Name	Application No. G15567  Permit No. G-15646  Certificate No. SH56 Research 1505  Oscillatory the 1505  Oscillat	7575.00 46998 150.00 72120 85.00 121502 7 85.00 123377 1530 123451
Priority  Action suspended until	Date 3/4/18 ASSIGNMENTS	Volume   Page
Return to applicant	Joel Neuschwander 6097 S Whiskey Hill Rd Hubbard, OR 97032  Address Ray Gannon 5244 St Milwaukie, OR 97267	E Castle Rock Ct.
Date of approval  CONSTRUCTION  Date for beginning	Raymon J. Neuschwander  6097 Whiskey Hill Rd Hubbard, OR 97032  REMARKS  REMARKS	D NE
Date for completion		
Date for application of water		0
PROSECUTION OF WORK Form "A" filed		( 59
Form "B" filed		
FINAL PROOF		
Proof received £03 \(\mu \) 5/19/2017		
Date certificate issued	SP*70900-119	

FINSC 3-6-04

2-15567

FILE#: G 15567 JOEL NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD, OR 97032

GENTRY TL 905

Neuschwander

aff

- 0.89 TL lovo Gentry

- 37.20 TL 905

## Scott Ashcom Public Affairs

Scott Ashcom
Public Affairs/Government Relations

PO Box 4323 Portla d, OR 97208

(563) 524 51;74 (503)624-3783 (503)810-1938 astroms@msn.com

RE	CEIPT#	SALEM, C	TH ST. N.E. DR 97310-0210 378-8130 (FAX)	INVOICE #	
REC	EIVED FR	om: Neuschwander	715	APPLICATION	G15567
BY:				PERMIT	- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-
				TRANSFER	
CASI	1: CI	ECK: # OTHER: (IDENTIFY)	AT LOTHER S. A. LOTHERS TO STATE AND ADMINISTRATION OF THE PARTY OF TH	TOTAL RECID	\$575.60
	0417	WRD MISC CASH AGCT		1 -	The second second
		ADJUDICATIONS	RECEIVI	ED	\$ Jane
		PUBLICATIONS / MAPS O	VER THE CO	DUNTER-	\$
		OTHER: (IDENTIFY)			\$
	el-	OTHER: (IDENTIFY)			\$
	REDU	CTION OF EXPENSE	CASH AC		
		DOA AND ODUFOT OLANO	\$		
7	0427	PCA AND OBJECT CLASS WRD OPERATING ACCT	VOUCHE	6111	
		MISCELLANEOUS		WHI -	
	0407	COPY & TAPE FEES			\$
	0410	RESEARCH FEES			\$
	0408	MISC REVENUE: (IDENTIFY)			\$
ew)	TC162	DEPOSIT LIAB. (IDENTIFY)			\$
		WATER RIGHTS:	EXAM FEE		RECORD FEE
	0201	SURFACE WATER	\$	0202	\$
	0203	GROUND WATER TRANSFER	\$575.00	0 <u>2</u> 04 0206	\$
		WELL CONSTRUCTION	EXAM FEE	0200	LICENSE FEE
	0218	WELL DRILL CONSTRUCTOR	\$	0219	\$
		LANDOWNER'S PERMIT		0220	\$
		OTHER (IDENTIFY)		-	
	0437	WELL CONST. START FE	35		
	0211	WELL CONST START, FEE	\$	CARD#	
	0210	MONITORING WELLS	\$	CARD#	
	T .	OTHER (IDENTIFY)			
	0539	LOTTERY PROCEEDS			
	1302	LOTTERY PROCEEDS			\$
	0467	HYDRO ACTIVITY	LIC NUMBER		
	0233	POWER LICENSE FEE (FW/WRD)			\$
	0231	HYDRO LICENSE FEE (FW/WRD)	N CONTRACTOR		\$
		HRDRO APPLICATION			\$

	1 2 3 4 5 1 SALEM, OR 97301-472 INVOICE # (503) 986-0900 / (503) 986-0904 (fax)	
RECEIVED FRO	M: WILLAMETTE TREE WHOLE SALE, INC. PERMIT TRANSFER	G1556 G1564
CASH C	HECK.# OTHER: (IDENTIFY)  TOTAL REC'D	\$ 175.
1083	TREASURY 4170 WRD MISC CASH ACCT	
0407	COPIES OTHER: (IDENTIFY)	\$
0248 I/S 1 #	pase 0244 Muni Water Mgmt. Plan 0245 Cons. Water	
	4270 WRD OPERATING ACCT	201 200 814
	MISCELLANEOUS COPY & TAPE FEES  4611	les .
0407		\$
0410	RESEARCH FEES	\$
0408	MISC REVENUE: (IDENTIFY)	\$
TC162	DEPOSIT LIAB. (IDENTIFY)	\$
0240	EXTENSION OF TIME	
	WATER RIGHTS: EXAM FEE	RECORD
0201	SURFACE WATER \$ 0202	\$
0203	GROUND WATER \$ 0204	\$
0205	TRANSFER \$	
	WELL CONSTRUCTION EXAM FEE	LICENSE
0218	WELL DRILL CONSTRUCTOR \$ 0219	\$
	LANDOWNER'S PERMIT 0220	\$
0200	OTHER (IDENTIFY) COBU	P175
0536	TREASURY 0437 WELL CONST, START FEE	
0211	WELL CONST START FEE \$ CARD	#
0210	MONITORING WELLS \$ CARD	#
	OTHER (IDENT(FY)	
0607	TREASURY 0467 HYDRO ACTIVITY LIC NUMBER	
0233	POWER LIGENSE FEE (FW/WRD)	\$
0231	HYDRO LICENSE FEE (FW/WRD)	\$
		\$
	HYDRO APPLICATION	LΨ
	TREASURY OTHER / RDX	
FUND	TITLE SECEIVED	
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Water Resources Department

725 Summer St NE, Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

March 21, 2018

WILLAMETTE TREE WHOLESALE, INC. ATTENTION: RAY GANNON 3491 BROOKLAKE ROAD NE SALEM, OR 97303

RE: Refund for Reimbursement Authority Contract R12489-17; Application G-15567

Dear Applicant,

Thank you for using the Certificate Reimbursement Authority Program to expedite the processing of your Claim of Beneficial Use. The Department completed its processing of your claim for less than the estimated amount. Consequently, we are refunding the difference to you.

I hope you were pleased with the Certificate Reimbursement Authority Program and would consider using it again if the need arises. Please call me at (503) 986-0927 if you have any questions about this refund.

Sincerely,

Kerry Kavanagh

Water Rights Specialist

K Karanad

Certificates Section

## STATE OF OREGON REMITTANCE ADVICE

TO SIGN UP FOR DIRECT DEPOSIT PAYMENT SERVICE AND RECEIVE CONVENIENT, ELECTRONIC PAYMENTS, LOG IN TO HTTP://WWW.OREGON.GOV/DAS/EGS/FBS/SFMS/PAGES/ACH.ASPX ON THE INTERNET. CLICK ON FORMS AND BROCHURES. THEN SELECT DIRECT DEPOSIT (ACH) AUTHORIZATION FORM.

> WARRANT NO. 125018119

WATER RESOLIRCES DEPARTMENT

(EU3) 086-0034

INVOICE NO.	INVOICE DATE	INVOICE DESCRI	PTION		AGY	DOCUMENT	AMOUNT
· · · · · · · · · · · · · · · · · · ·	031518	REV REF RCPT#		248917	690	VP046845	\$75.00
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			- 1				
	(			No.			
						(	
							N.
ENDOR NAME					ISSUE DATI 03/21/18	E WARRA	NT AMOUNT \$75.00
/ILLAMETE TREE WH	OLESALE INC						

FOLD ON PERFORATION LINE BELOW BEFORE DETACHING.

TO THE STATE TREASURER SALEM, OREGON PAYABLE THROUGH US BANK

TATE OF OREGON

03-986-0924

VATER RESOURCES DEPARTMENT
25 SUMMER ST. NE, SUITE A
ALEM

OR 97301-1271

1232 **CHECK DATE** 03/21/18

96-10

WARRANT NO. 125018119

**PAY THIS AMOUNT** \$75.00

SEVENTY FIVE AND 00/100 DOLLARS

PAY TO THE ORDER OF:

VOID 2 YEARS AFTER DATE ISSUED

WILLAMETE TREE WHOLESALE INC ATTN: RAY GANNON 3491 BROOKLAKE RD NE SALEM OR 97303

AUTHORIZED SIGNATURE

# WATER RESOURCES DEPARTMENT REQUEST FOR DISTRIBUTION OF FUNDS

TO:	Fiscal Services Section	DATE: March 14, 2018
FROM:	Kerry Kavanagh Phone: (503) 986-0927	
SUBJECT:	REIMBURSEMENT AUTHORITY - Re	equest for Payment or Refund
FILE #: G-	15567 <b>RA #:</b> R12489-17	<b>RECEIPT #:</b> 123921
Please prepar	re payment in the amount of \$75.00, made pay	yable to: 47/24 0408
Name:	WILLAMETTE TREE WHOLESALE, INCATTENTION: RAY GANNON	
Address:	3491 BROOKLAKE ROAD NE SALEM, OR 97303	*
I have review purpose indic distribution.	are being paid or refunded as a result of (check Excess fees were collected for Clair X Excess fees were collected for Rein Other:  wed this distribution request and have determine cated above. Fiscal Services is hereby authority and the services is hereby authority.	n of Beneficial Use abursement Authority  ned the request to be justified as to the

## RA Mailing List for Certificate

Scheduled Mailing Date:

Application: G-15567

Permit: G-15646

Certificate: 93512

Water Right Holders:

RAYMON NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

Copies Mailed

Copies of Final Certificate to be sent to:

X. Watermaster District 16 (include copy of map)

2. Water Availability

3. Vault

4. File

Other persons to receive copies: (include map):

1. Greg Kupillas, CWRE

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

RAY NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

confirms the right to the use of water perfected under the terms of Permit G-15646. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE ON 152.2 ACRES, BEING 54.8 ACRES FROM WELL 1 AND 97.4 ACRES FROM

WELL 2

MAXIMUM RATE: 1.19 CUBIC FEET PER SECOND (CFS), BEING FURTHER LIMITED TO 0.70 CFS FROM WELL 1 AND 0.49 CFS FROM WELL 2, NOT TO EXCEED MAXIMUM CUMULATIVE TOTAL OF 1.19 CFS

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: JULY 25, 2001

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
4 S	1 E	WM	32	SE NE	4	WELL 1 - 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32
4 S	1 E	WM	32	SE NW	2	WELL 2 - 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

## NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Application G-15567.ra.klk

Page 1 of 3

Certificate 93512

Descriptions of the place of use are as follows:

	Ray Neuschwander – Well 1											
Twp	Twp Rng Mer Sec Q-Q GLot Acres											
4 S	1 E	WM	32	SW NE	3	26.5						
4 S	1 E	WM	32	SE NE	4	25.2						
4 S	1 E	WM	32	NW SE		3.1						

	Ray Neuschwander – Well 2											
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres						
4 S	1 E	WM	32	SW NE	3	2.7						
4 S	1 E	WM	32	SE NW	2	3.9						
4 S	1 E	WM	32	NE SW		4.3						
4 S	1 E	WM	32	NW SE		21.8						
4 S	1 E	WM	32	SW SE		31.6						

	Ray Gannon – Well 2										
Twp	Twp Rng Mer Sec Q-Q GLot Acres										
4 S	1 E	WM	32	SE NW	2	14.4					
4 S	1 E	WM	32	NE SW		18.7					

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device approved by the Director in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The water user shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The right to the use of the water for the above purpose is restricted to beneficial use on the place of use described.

Issued

DEC 22 2017

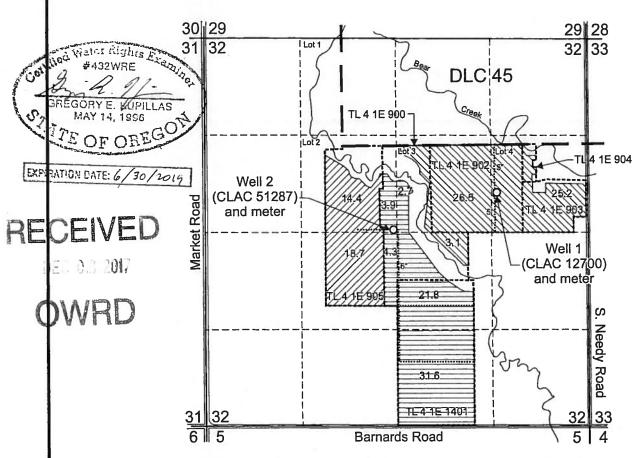
Dwight French

Water Right Services Division Administrator, for

Thomas M. Byler, Director

Oregon Water Resources Department

## T.4S. R.1E. Section 32, W.M.



Well 1 (CLAC 12700) and meter are located 550 feet north and 1,250 feet west from the east 1/4 corner, Section 32.

Well 2 (CLAC 51287) and meter are located 50 feet north and 50 feet west from the center 1/4 corner, Section 32.

- Area (54.8 acres) irrigated with Well 1 (CLAC 12700) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.
- Area (64.3 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.
- Area (33.1 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Gannon.
- ----- Tax lot boundary
- ..... 5-inch and 6-inch mainline
- DLC boundary

Scale: 1" = 1,320'



This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map Application G-15567, Permit G-15646

Ray Neuschwander and Ray Gannon T4.S. R.1E. Section 32, W.M.

Pacific Hydro-Geology Inc.

Rvsd 12/2017

Neuschwander\_Gannon\_COBU\_Map\_20171205\_gek.cdr



Water Resources Department

725 Summer St NE, Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

DATE MAILED: DECEMBER 22, 2017

## NOTICE OF CERTIFICATE ISSUANCE

The attached certificate confirms the water right established under the terms of a permit issued by this Department. The water right is now appurtenant to the specific place where the use was established as described by the certificate. The water right is limited to a specific amount of water, but not more than can be beneficially used for the purposes stated within the certificate.

The certificate is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Oregon law does not allow the Director to reissue a certificate because of a change in the ownership of the appurtenant place of use. The water must be controlled and not wasted. To change the location of the point of diversion, the character of use, or the location of use requires the advance approval of the Water Resources Director.

If any portion of this water right is not used for five or more consecutive years that portion of the right may be subject to forfeiture according to ORS 540.610. Land enrolled in a Federal Reserve Program is not subject to forfeiture during the period of enrollment. Other exceptions to forfeiture are explained in ORS 540.610.

If you have any questions please contact Kerry Kavanagh at 503-986-0927.



Water Resources Department

725 Summer St NE, Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

DATE MAILED: DECEMBER 22, 2017

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If you have any questions please contact Kerry Kavanagh at 503-986-0927.

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

## CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

RAY NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

confirms the right to the use of water perfected under the terms of Permit G-15646. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE ON 152.2 ACRES, BEING 54.8 ACRES FROM WELL 1 AND 97.4 ACRES FROM

WELL 2

MAXIMUM RATE: 1.19 CUBIC FEET PER SECOND (CFS), BEING FURTHER LIMITED TO 0.70 CFS FROM WELL 1 AND 0.49 CFS FROM WELL 2, NOT TO EXCEED MAXIMUM CUMULATIVE TOTAL OF 1.19 CFS

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: JULY 25, 2001

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
4 S	1 E	WM	32	SE NE	4	WELL 1 - 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32
4 S	1 E	WM	32	SENW	2	WELL 2 - 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

#### NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

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Application G-15567.ra.klk

Page 1 of 3

Certificate 93512

Descriptions of the place of use are as follows:

	Ray Neuschwander – Well 1											
Twp	Twp Rng Mer Sec Q-Q GLot Acres											
4 S	1 E	WM	32	SW NE	3	26.5						
4 S	1 E	WM	32	SE NE	4	25.2						
4 S	1 E	WM	32	NW SE		3.1						

Ray Neuschwander – Well 2											
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres					
4 S	1 E	WM	32	SW NE	3	2.7					
4 S	1 E	WM	_32	SE NW	2	3.9					
4 S	1 E	WM	32	NE SW		4.3					
4 S	1 E	WM	32	NW SE		21.8					
4 S	1 E	WM	32	SW SE		31.6					

Ray Gannon – Well 2								
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres		
4 S	1 E	WM	32	SE NW	2	14.4		
4 S	1 E	WM	32	NE SW		18.7		

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device approved by the Director in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The water user shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

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Issued

DEC 22 2017

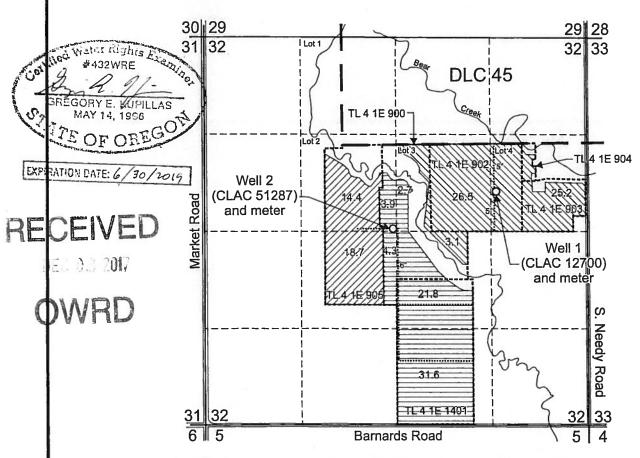
Dwight French

Water Right Services Division Administrator, for

Thomas M. Byler, Director

Oregon Water Resources Department

## T.4S. R.1E. Section 32, W.M.



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Scale: 1" = 1,320'



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Claim of Beneficial Use Map Application G-15567, Permit G-15646

Ray Neuschwander and Ray Gannon T4.S. R.1E. Section 32, W.M.

Pacific Hydro-Geology Inc.

Rvsd 12/2017

Neuschwander\_Gannon\_COBU\_Map\_20171205\_gek.cdr



Water Resources Department

725 Summer St NE, Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

DATE MAILED: DECEMBER 22, 2017

## NOTICE OF CERTIFICATE ISSUANCE

The attached certificate confirms the water right established under the terms of a permit issued by this Department. The water right is now appurtenant to the specific place where the use was established as described by the certificate. The water right is limited to a specific amount of water, but not more than can be beneficially used for the purposes stated within the certificate.

The certificate is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Oregon law does not allow the Director to reissue a certificate because of a change in the ownership of the appurtenant place of use. The water must be controlled and not wasted. To change the location of the point of diversion, the character of use, or the location of use requires the advance approval of the Water Resources Director.

If any portion of this water right is not used for five or more consecutive years that portion of the right may be subject to forfeiture according to ORS 540.610. Land enrolled in a Federal Reserve Program is not subject to forfeiture during the period of enrollment. Other exceptions to forfeiture are explained in ORS 540.610.

If you have any questions please contact Kerry Kavanagh at 503-986-0927.

#### STATE OF OREGON

#### **COUNTY OF CLACKAMAS**

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

RAY NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

confirms the right to the use of water perfected under the terms of Permit G-15646. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE ON 152.2 ACRES, BEING 54.8 ACRES FROM WELL 1 AND 97.4 ACRES FROM

WELL 2

MAXIMUM RATE: 1.19 CUBIC FEET PER SECOND (CFS), BEING FURTHER LIMITED TO 0.70 CFS FROM WELL 1 AND 0.49 CFS FROM WELL 2, NOT TO EXCEED MAXIMUM CUMULATIVE TOTAL OF 1.19 CFS

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: JULY 25, 2001

The wells are located as follows:

1110 1101	10 010 1		au IUIIU	******		
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
4 S	1 E	WM	32	SE NE	4	WELL 1 - 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32
4 S	1 E	WM	32	SE NW	2	WELL 2 - 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

## NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Application G-15567.ra.klk

Page 1 of 3

Certificate 93512

Descriptions of the place of use are as follows:

Ray Neuschwander – Well 1								
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres		
4 S	1 E	WM	32	SW NE	3	26.5		
4 S	1 E	WM	32	SE NE	4	25.2		
4 S	1 E	WM	32	NW SE		3.1		

	Ray Neuschwander – Well 2								
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres			
4 S	1 E	WM	32	SW NE	3	2.7			
4 S	1 E	WM	32	SE NW	2	3.9			
4 S	1 E	WM	32	NE SW		4.3			
4 S	1 E	WM	32	NW SE		21.8			
4 S	1 E	WM	32	SW SE		31.6			

Ray Gannon – Well 2								
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres		
4 S	1 E	WM	32	SE NW	2	14.4		
4 S	1 E	WM	32	NE SW		18.7		

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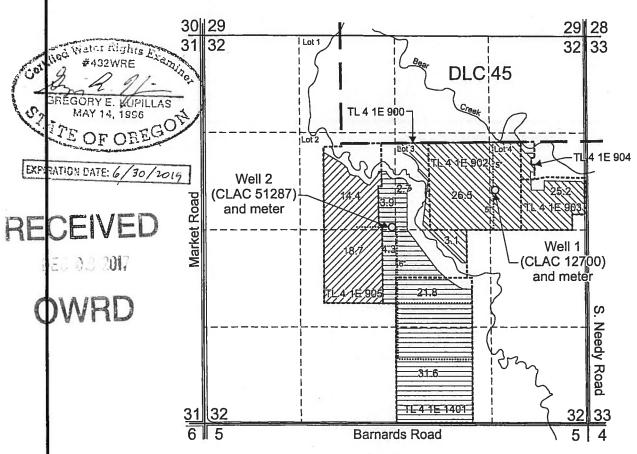
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Oregon Water Resources Department

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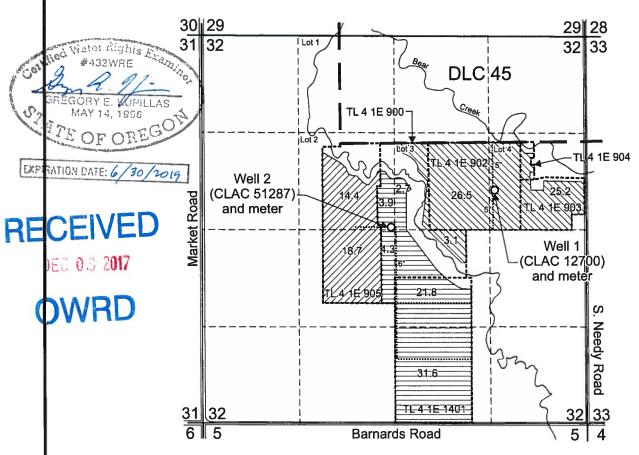
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Pacific Hy

Pacific Hydro-Geology Inc.

Neuschwander\_Gannon\_COBU\_Map\_20171205\_gek.cdr

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Rvsd 12/2017

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Water Resources Department

725 Summer St NE. Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

November 01, 2017

**RAY GANNON** 5244 SE CASTLE ROCK COURT MILWAUKIE OR 97267

GW

The Department has accepted the pump test results for the following permitted well(s):

Application Water Right

Permitted Well Tested Well

Test Date Test Status

Exemption Well Name

G 15567 Permit: G 15646 \* CLAC 12700 CLAC 12700 02/17/2016 Approved

Multiple Well

G 15567 Permit: G 15646 \*

CLAC 51287 CLAC 12700 02/17/2016 Approved Multiple Well

Please contact me if you have any questions.

Sincerely,

Dennis Orlowski 503-986-0897

**Groundwater Section** 

cc: GW Pump Test File



## STATE OF OREGON WATER RESOURCES DEPARTMENT INTEROFFICE MEMO

Date: October 16, 2017

TO:

Justin Iverson

FROM:

Kerry Kavanagh

SUBJECT:

2/17/2016 Pump Test for CLAC 12700 – App G-15567, Permit G-15646

RA Project R12489-17 – App G-15567, Permit G-15646 – Neuschwander & Gannon

I have entered the 2/17/2016 pump test data for Well 1 (CLAC 12700) in FileMaker gw database – GWPID 3810.

Please see plots at:

S\exchange\Kerry\Pump Tests\to review\ CLAC 12700

## TO DO:

- $\sqrt{\text{Please review the pump test data}}$  and plots and prepare a letter of approval/denial for the 2/17/2016 pump test for Well 1 (CLAC 12700).
- ✓ If the pump test results are acceptable, please consider a multiple well exemption for the other well Claimed and as authorized by Permit G-15567, being Well 2 (CLAC 51287).
- V Please also update the "pump test compliance" information for Application G-15567 in FileMaker for both wells, if applicable.

If this file could be reviewed and returned to me by November 1, 2017, I'd greatly appreciate it!

Please let me know if the 2/17/2016 pump test is satisfactory.

Please ask your staff to document the amount of time they spent reviewing the pump test results. If you have any questions, please let me know. Thanks!

# Oregon Water Resources Department PUMP TEST FORM COVER SHEET Gw PtID #38/0

Well Owner:		Well Location			
Name: Neuschwanders Nursery		Township:	[](N/S) R		
Address: 6097 S Whiskey Hill Rd		Section:			
County: Clackamas City: Hubbard OR State:	7ip:97032	Owners well no	o. (if any):	WELL I	~
Original owner (from well log):			200 ( )   1   1   /	LOVILL INTE	
Water Right Information:		Ta	Bre-mult	well oxemp request	forWall
Application: G-15567	Permit: G-15646		Certificate:		
Is this well listed on more than one	e water right? TY	es If yes.	list additions	al water rights below:	
Application:	Permit:		Certificate:		v
Application:	Permit:		Certificate:		
Pump Test:					
			We	ell Owner?    Yes	
Company: Fisher's Supply Inc					
Address: 659 SW 1st Ave	State; OR Zip:		Date of	Test: 02-17-16	
City: Canby	_ State; OR Zip:	97013			
Daytime phone: 503-263-8557					
Method of discharge measuremen	nt (see our brochure	for acceptable r	nethods): Fl	ow meter McCrometer	
Method of water-level measureme	ent (pick one or enter	other method t	used): E-lape	<del>•</del>	
Length of air line (if used):					
Pump type (pick one or enter other	er method used): <mark>sub</mark>	mersible			
Was the pump test conducted dur	ring normal use of th	e well? 🔲 Yes	Note: No		
Are you aware of any wells, other					
well during the test or within 24 ho				700 1000 71 1110 100100	
If yes, give approximate distances	s to each and annrox	einate oumoino	rate of each	If possible, Indicate if	
they were turned on or off during					
In the sale lake strongs or other or	reference trade to the control	ibin 1/ mila af th	o tostad wal	ID Voc If you glys	
is there a lake, stream or other su approximate distance from the we	illace water body wit	alevation differe	nce halwee	nt pros il yes, give	
the well head. Approx. distance:	fl A	onrox, elevation	difference:	ft	
·					
Well elevation is below			to a second les	alaall aanl	
Description of measuring point (e	.g. top port of 1 inch	port pipe, west	side) vent no	ole well seal	
Measuring point distance below	land surface 1		feet		
				ulund in the phase bafara	
Static water level measurement pumping begins at no less than 2		itee Weazniem	ents are req	uirea in the hour before	
, , , = #	•				
Time Dept 9:00 24'6	ih to water below me	as, point	23' 6"	iter below land surface	
9:00 9:30 24'6 24'6			23' 6"		
10:00 24 6			23' 6"		
Discharge measurements: (A conce an hour during the test; add	ilischarge measurem  itional measuremen	ient is required Is should be not	at the start of ted on the Pa	ump Test Data Sheet):	
Time Disc	harge Rate		Discharge U	Jnits (e.g. gpm, cfs, etc)	
10:00 400			gpm		
11:00 400			gpm		
12:00 400			gpm		
1:00 -400			gpm		
2:00 400			gpm		
	2-17-16		Time 10:00	am	
	2-17-16		Time 2:00 p	om	1 1000
Total pumping time; 4	hours	minu	les		
Note: Well must be idle for at lea	ast 16 hours prior to	the test.		i the teller	U Laura keed
Additional forms can be obtained	I from our web site a	t: http://www.w	rd.state.or.u	S 944RP 219139	<sup>0</sup> ዎበ17
- n n	OHI			mint I J	2011
Required Signature:	X JUL				
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					to Balling

## Oregon Water Resources Department

## **PUMP TEST DATA SHEET**

Page 1 of 1

Application:	G-15567	Permit:	G-15646	Certificate:	Pod	_ld:	
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All water-level measurements must either be in feet and inches, or feet and decimal fractions.

		Drav	vdown	Data	_			Recov	ery Da	ata	
Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments	Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
2-17-16	9:00		24' 6'	53, 6,		2-17-18					
	10,00		43'	42'	400 GPM		2:02	4 1 1 1 1 2	36167	34' 6"	
	10 02	-	43'	42			2.04		33'11"	32' 11"	
	10,04		43'	4;}			2 0 5		32'11"	31'11'	
	10:56		43 3'	42' 3"			2 08		32	31'	
	10.03		43' 6'	42' 6"			2:10		31.6.	30 6	
	10:10	I	43' 10'	42 10			2:15		30, 3,	Σε <sub>1</sub> η.	
	10.16		44'11'	43' 1"			220		53, W.	26' 6"	
	10.20		44. 6.	43' 6"			2~25		56.1,	28° 1"	
	10:25		45	44.	mqt 00.		2 30		26.8.	27' (F	- <del></del>
	10:30		45' 11"	44' 11'			2:45		27' 7'	26' / '	
	10.45	1	47	46'			3:01		59.80	25' H'	
	11.00		16,	47			3:15		26' 1'	25' 1"	
	11:15		45/	48'							
	11:30		49	467	400 gpm						
	11:45		49'	48"				-			
	12 00		49'	48°						-	
	f2:15		48'	45'							
	12:30		48	45'				<del> </del>		ļ	
	12:46		49	46					-	<del> </del>	
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	1;30		49	46'				<b>_</b>		-	
	1:45		40	46'		ļ				<u> </u>	
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Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

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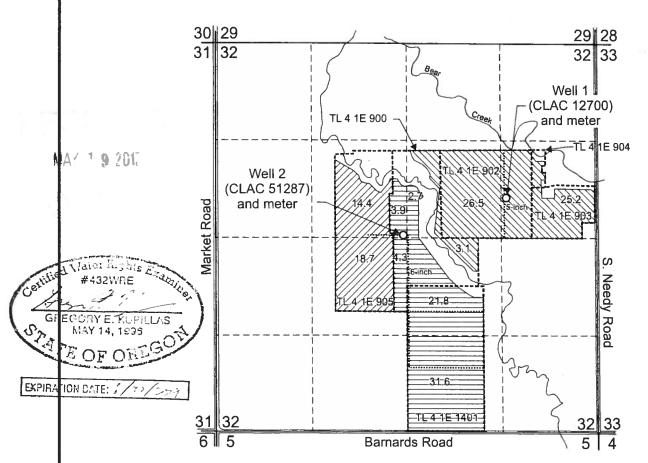
PAGE 03/03

FISHERS SUPPLY INC

698889889

910272019

## T.4S. R.1E. Section 32, W.M.



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0 1,320
Feet

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Ray Neuschwander and Ray Gannon T4.S. R.1E. Section 32, W.M.

Pacific Hydro-Geology Inc.

bgp - 2016

Neuschwander\_Gannon.cdr

## WELL

THE WILL WELL

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.765)

JUN 27 1988

012700

4= 1E-3230

1) OWNER: S.Wellylyng REGON	(9) LOCATION OF WELL by legal description:	_
Name JOBI NEUSCHWANDER	County CACKAMAitale Longitude	
Address 6059 S WHISKEY HILL RU  City HUBBAND State OR Zip	Township 4.5 Nor S, Range E or W, WM.	
	Section	
2) TYPE OF WORK: New Well  Deepen  Recondition  Abandon	Tax Lot Block Subdivision	_
New Well Deepen Recondition Abandon  3) DRILL METHOD	Street Address of Well (or nearest address)	_
Rotary Air Rotary Mud Cable	(10) STATIC WATER LEVEL:	_
Other	29 ft. below land surface. Date 5/25/81	<b>-</b>
(4) PROPOSED USE:	Artesian pressure lb. per square inch. Date	_
Domestic Community Industrial Firigation	(11) WATER BEARING ZONES:	_
Thermal Injection OtherBORE HOLE CONSTRUCTION:	Depth at which water was first found	
Special Construction engroval Yes No Depth of Completed Well 154	From To Estimated Flow Rate SWL	$\Box$
Yes No	82 102 800 6PM = 30	,
	115 132 500 G/M = 30	<u>.                                    </u>
HOLE SEAL Amount neter From To Material From To sacks or nounds		1
73 1 20 GRANULAR 1 20 11	(10) WELL LOG	_
8 20 154 BENTONITE	(12) WELL LOG: Ground elevation	_
8 20 154	Material From To SWL	
How was seal placed: Method	Soic 1 3	_
Tother GRANGLAR BENTONITE METHOD	CLAY BROWN 3 31	-
Backfill placed fromft. toft. Material	SAND BROWN 31 31 CLAY GREY 31 42	$\dashv$
Gravel placed from 75 ft. to 90 ft. Size of gravel FEA	CEMENTES GRAVEL 42 63	$\dashv$
(6) CASING/LINER:	CLAY DK GREY 63 70	7
Diameter From To Gauge Steel Plastic Welded Threaded Casing: 8 0 154 250	SICT BLACK 70 82	
	SAND BLACK FINE 82 92	_
	CLAY BLUE STICKEY 105 115	$\dashv$
	CLAY BLUE STICKEY 105 115 CLAY GREY W/ GREY 115 132	$\dashv$
Liner:	SAND LAYERS	7
	CLAY GREEN 132 144	
ocation of shoe(s)	SILT DARK BROWN. 144 147	
(7) PERFORATIONS/SCREENS:	CLAY BLUE GREEN 147 154	$\dashv$
Perforations Method DRIVE DOWN  Screens Type Material	QUITIALLY PERFORATED, 115 to 150 1 AUS	$\dashv$
Slot Tele/pipe	PRODUCES 150 7 pm, total. Then GRAVE	
m To size Number Diameter size Casing Liner	PACKED 75-102 & 115-132, perfores	
8.6 150 3/14 P	88 to 115. THEN PRODUCED 300 SM	1
	WITH ZI DRAW DOWN.	-
		$\dashv$
	Date started 5/13/88 Completed 5/25/88	
	(unbonded) Water Well Constructor Certification:	=
(8) WELL TESTS: Minimum testing time is 1 hour	I certify that the work I performed on the construction alteration.	ar.
Pump Bailer Air Flowing Artesian	abandonment of this well is in compliance with Oregon-well constructive standards. Materials used and information reported above are true to my be	ก็ก
Yield gal/min Drawdown Drill sem at Time	knowledge and helief	est
500 46 Pump 1hr.	MAY 1 9 2017 WWC Number	
300 21 AIR CIRT 3	Signed Date	_
	(bonded) Water Well Constructor Certification:	
Temperature of water Depti Artesian Flow Found	I accept responsibility for the construction, diteration, or abandonme work performed on this well during the construction dates reported above.	-11
Was a water analysis done?	Work performed durink this time is in compliance with Oregon we	اام
Did any strata contain water not suitable for intended use?	construction standards. This report is true to the best of my knowledge and heliof	nd
Depth of strate:	Signed Lucker Date 5/25/88	_
	OPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10	)/RE
	9003C 10	, 20

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CLAC STATE OF OREGON

TAG # LOZO78

JAN - 9 1997 WATER SUPPLY WELL REPORT 5128 (START CARD) #\_ Instructions for completing this report are on the last page of this WATER RESOURCES DEPT. SALEM, OREGON OF WELL by legal description: Well Number (1) OWNER: CLACKAMAS Latitude Longitude County Neuschwander's Nursery E or W. WM. Name N or S Range 1e Township Address 6097 S. Whiskey Hill Rd 1/4 Nw Se\_ 1/4\_\_ Section Zip 97032 Or Hubbard Subdivision Block 900 Tax Lot Lot (2) TYPE OF WORK Street Address of Well (or nearest address) New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment 29435 S Needy Rd (3) DRILL METHOD: (10) STATIC WATER LEVEL: Rotary Air Rotary Mud Auger X Cable Date Sep 10, 1996 ft. below land surface. 47 Other Date 1b. per square inch. Artesian pressure (4) PROPOSED USE: (11) WATER BEARING ZONES: Industrial [ Irrigation Community Domestic Other Livestock Thermal Injection Depth at which water was first found (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 140 ft Estimated Flow Rate **SWL** То Amount Explosives used Yes No Type 47 140 40 SEAL HOLE Sacks or pounds 35 Sacks 150<sup>To</sup> 50 Bentonite 140 30 (12) WELL LOG: Ground Elevation □E  $\Box$ D □ A  $\square$ B  $\Box$ C Method How was seal placed: Other Granular Bentonite method SWL From Material Material Backfill placed from ft. to\_\_\_\_ Soil ft. Size of gravel nea ft. to 120 Gravel placed from 60 38 3 Clay, Brown (6) CASING/LINER: 54 **3B** Cemented oravel, brown Threaded Welded **Plastic** Gauge .25 To 140 Diameter 58 54 凸 Clay, orey R 58 60 Casing Clay, orey, sandy 69 60 Sand, black, fine 71 69 Sand and gravel, black 74 71 Cemented oravel, sand Liner: 95 74 Sand & gravel 98 95 Clay, blue Final location of shoe(s) 140 98 101 clay, grey, silty (7) PERFORATIONS/SCREENSTIVE DOWN 108 101 Silt. dark orey Method Perforations 116 108 Clay w/black coarse sand Material Screens Clay, grey w/some cemented gravelil6 136 Tele/pipe size Stot Casing Liner Diameter Number 600 136 140 .188 Clay, blue Note: 6 inch gravel feed each side of 8 inch well Dec 10, 1996 August 8, 1996 Completed (8) WELLTESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonment Flowing Artesian of this well is in compliance with Oregon water supply well construction standards.

Materials used and information reported above are true to the best of my knowledge MAI Air Bailer Pump Time Drill stem at Drawdown Yield gal/min air line @ 1 hr. and belief. WWC Number 4 hr 105 220 A IT Date Signed VYTTL (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water \_53 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work Yes By whom Was a water analysis done? performed during this time is in compliance with Oregon water supply well Did any strata contain water not suitable for intended use? construction standards. This report is my to the best of my knowledge and belief Salty Muddy Odor Colored Other WWC Number

Signed S

Depth of strata:

## WELL 2

## VILULIU LU

C17	A /TO	מית	117	TO T	T	D	Table 1	n		71
VV.	AI	ER	W.	СL	dLt.	π	Ľ.	r	UK	

d · ·					
WELL 2 DIE BEINGE	CLA		STAG	TCA	25
COLOR OF CHECOM	(01270	0	45/16.	- 23	3
WATER WELL REPORT (as required by ORS 537.765)			1 (1)		
WATER TIESURGES DEPT		OF WELL by le	gal dagarin	tions	
(1) OWNER: SWEENINGS SWEEN		AMAILTE	-		
Address 6059 S WHISKEY HILL RD		Nor S, Range			
City HUBBANS State OR Zip	Section 32	¼	_SE 4		
(2) TYPE OF WORK:		Lot Block		division	
New Well Deepen Recondition Abandon	Street Address of W	rell (or neares) ddress) _	AURY		
(3) DRILL METHOD  ☐ Rotary Air ☐ Rotary Mud ☐ Cable		VATER LEVEL:			
Other	1 1 1	below land surface.		5/23	5/84
(4) PROPOSED USE:		lb. per squ		, ,	
Domestic Community Industrial Irrigation		EARING ZONE			
Thermal Injection Other	Depth at which water wa				
BORE HOLE CONSTRUCTION: Special Construction approval  Yes  No  Depth of Completed Well  154  f		To	Estimated Flo	w Rate	SWL
Yes No	85	102	800 GPA		H
Explosives used  Type Amount	115	132	500 61		30
HOLE SEAL Amount meter From To sacks er neunds					
72 1 20 GRANULAR 1 20 11	- (10) WELL TO				
8 20 154	(12) WELL LO	Ground elevat	ion		
8 20 27	-   -	Material	From		SWL
How was seal placed: Method	- SOIL CLAY BROWN		3	3	
JOHER GRANGLAR BENTONITE METHOD	- SAND BRO		31	31	<del>  </del>
Backfill placed fromft. toft. Material	- CLAY GREY	/	31	42	
Gravel placed from 25 ft. to 90 ft. Size of gravel fe4	CEMENTRO		42	63	
(6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded	SUT BLAG		70	70 82	
Casing: 8 0 154 .250 F [] []		OCK FINE	82	92	
	CEMENTES	GRAVEL	92	105	
		E STICKEY	105		
Liner:	SAND LA	w/ GREY	115	132	
	CLAY GREEN	/	/32	146	
ocation of shoe(s)		K BROWN.	144	147	
(7) PERFORATIONS/SCREENS:	CLAY BLUE	GREEN	147	154	<u> </u>
Perforations Method DRICE DOCON  Screens Type Material	ZIVILACIV	PERFORATES	115 40	100/	SUB
Slot Tele/pipe	PRODUCES.	150 9 PM. to	W. The		AUEC
To size Number Diameter size Casing Liner	PACKED 75	-102 \$ 11.	5-132,		forese
400 D	W/74 21 0		RODUCED	300	Spen
	W/14 &1 0	RAW DOWN.		<del> </del>	<del> </del>
	Date started	(3/68 Com	pletedS/2	5/88	
(8) WELL TESTS: Minimum testing time is 1 hour	(unbonded) Water	Well Constructor Ce	rtification:	#1 N Y 7	Prints have
Pump Bailer Air Artesian	abandonment of this	e work I performed well is in complian	n the constitue	ion, alter	ation, or
Yield gal/min Drawdown Drill sem at Time	standards. Materials knowledge and belief.	used and information :	reported above a	ire true to	my best
Soo 46 Pump 1hr.	- miowiedge and benefi.		WAY N	<b>9</b> 201	7
300 21 AIR CIFT 3	Signed		Date		
	(bonded) Water We	ll Constructor Certi	fication:	PI	7
Temperature of water Depti Artesian Flow Found	I accept respons	ibility for the constru	ction, difference	, or aban	donment
Was a water analysis done?	-   work performed du	rink this time is in	compliance s	with Orac	flaur mon
Did any strata contain water not auitable for intended use?   Too little  Salty Muddy Odor Colored Other	belief.	ls. This report is true		my knowl umber <b>Z</b>	
Depth of strata:	Signed	and Dec	Date	25/	188
WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW	COPY-CONSTRUCTOR	PINK COI	PY - CUSTOMER		9809C 10/86

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TAG # L 02078

CLAC JAN - 9 1997 STATE OF OREGON WATER SUPPLY WELL REPORT 5/28 7 (START CARD) #\_ Instructions for completing this report are on the last page of this WATER RESOURCES DEPT. SALEM OREGON
OF WELL by legal description: Well Number County CLACKAMAS Latitude Longitude Neuschwander's Nursery E or W. WM. Name N or S Range 1e 6097 S. Whiskey Hill Rd Address Se\_ 1/4\_\_ 1/4 Zip 97032 Hubbard Block Subdivision\_ Tax Lot (2) TYPE OF WORK Street Address of Well (or nearest address) New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment 29435 S Needy Rd (3) DRILL METHOD: (10) STATIC WATER LEVEL: Rotary Air Rotary Mud X Cable Auger Date Sep 10, 1996 ft. below land surface. Other Date lb. per square inch. Artesian pressure (4) PROPOSED USE: (11) WATER BEARING ZONES: [ Irrigation Industrial Domestic | Community Other Livestock Thermal Injection Depth at which water was first found (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 140 ft SWL Estimated Flow Rate To From Amount Explosives used Yes No Type 47 140 40 SEAL HOLE Sacks or pounds
35 Sacks 150 To Material Diameter 12 **Bentonite** 1 30 140 (12) WELL LOG: Ground Elevation .  $\square$ D □E  $\Box$ B  $\Box$ C How was seal placed: Method A K Other Granular Bentonite method SWL From To Material Material \_ ft. to\_ Backfill placed from \_\_ Soil ft. Size of gravel nea ft. to 120 Gravel placed from 38 Clay, Brown (6) CASING/LINER: 38 54 Cemented gravel, brown Threaded Welded Steel Plastic To 140 Diameter 58 54 Clay, orey 58 60 Casing Clay, grey, sandy 69 60 Sand, black, fine 71 49 Sand and oravel, black 74 71 Cemented oravel, sand Liner: 95 74 Sand & gravel 98 95 Clay, blue Final location of shoe(s) 140 98 101 clay, grey, silty (7) PERFORATIONS/SCREENSTIVE DOWN 101 108 Silt. dark orey Perforations Method 108 116 Clay w/black coarse sand Туре Screens Clay, grey w/some cemented gravel116 136 Tele/pipe Stot 600 ber Casing Line Diameter 140 136 Clay, blue Note: 6 inch gravel feed each side of 8 inch well Dec 10, 1996 August 8, 1996 Completed (8) WELL TESTS: Minimum testing time is 1 hour Date started (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration or soundonment Flowing Artesian of this well is in compliance with Oregon water supply well construction standards. Bailer Air Pump Materials used and information reported above are true to the best of my knowledge and belief. Time Drill stem at Drawdown Yield gal/min air line @ 1 hr WWC Number 4 hr 220 1 Date A Signed (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water 53 Yes By whom

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well to the best of my knowledge and belie

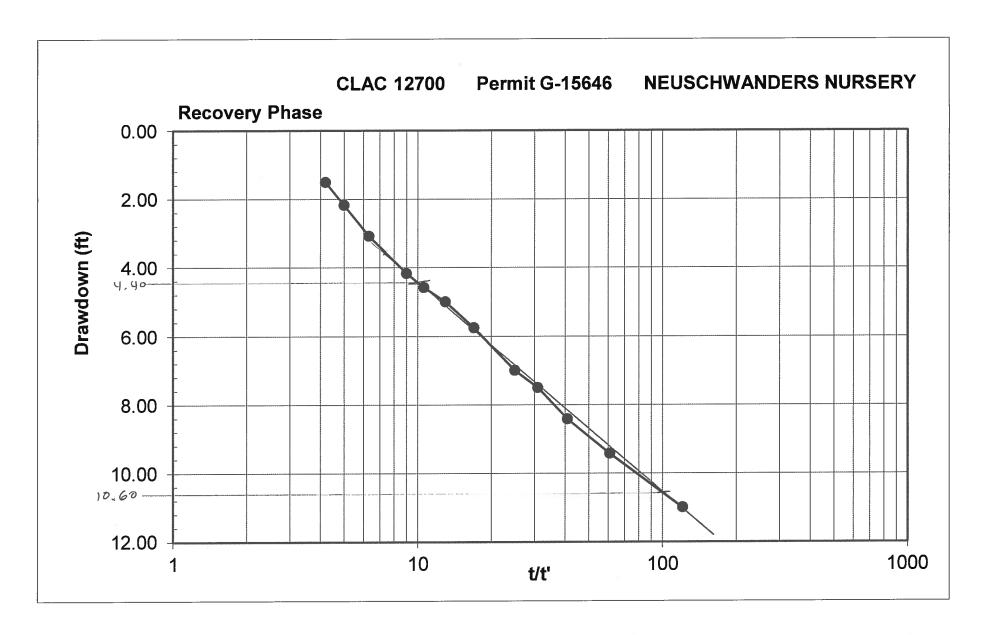
Signed >

Was a water analysis done?

Depth of strata:

Did any strata contain water not suitable for intended use?

Salty Muddy Odor Colored Other



## Checklist for Claims of Beneficial Use Received At Customer Service Counter

Date Received 5.19. (7 CWRE G. Kup) (6)	
By Ph	File Marked
Application # 6-15567 \$175.00 Fee	Claim Logged
Transfer #\$175.00 Fee if priority date is after July 9, 1987.	
Map Review:  Map on polyester film (OAR 690-014-0170(1) & 310-0050(1)(b)  Application & permit #; or transfer # (OAR 690-014-0100(1)  Disclaimer (OAR 690-014-0170(5)  North arrow (OAR 690-310-0050(2)(c)  GWRE stamp and signature (OAR 690-014 & 310-0050)  Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county  Township, range, section, and tax lot numbers (OAR 690-310-0050(4)	assessor map) (014 & 310)
Report Review:  On form or format provided by the Department (OAR 690-014-0100(1) Application & permit #; or transfer # (OAR 690-014) Ownership information (OAR 690-014) Date of survey (OAR 690-014) Person interviewed (OAR 690-014) County (OAR 690-014) CWRE stamp and signature (OAR 690-014-0100) Signature(s) of permittee or transfer holder (OAR 690-014-0100)	

# CLAIM OF BENEFICIAL USE for Permits claiming more than 0.1 cfs and All Transfers



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900 www.wrd.state.or.us

A fee of \$175 must accompany this form for <u>permits</u> with priority dates after July 8, 1987.

A fee of \$175 must accompany this form for any <u>Transfer final orders</u> including a water right with a priority date of July 9, 1987, or later.

Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

#### A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at: <a href="http://www.oregon.gov/owrd/pages/wr/cwre">http://www.oregon.gov/owrd/pages/wr/cwre</a> info.aspx

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. Every item must have a response. If any requested information does not apply to the claim, insert "NA." Do not delete or alter any section of this form unless directed by the form. The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-986-0900 and ask for the Certificate Section.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see <a href="http://www.oregon.gov/owrd/pages/mgmt">http://www.oregon.gov/owrd/pages/mgmt</a> reimbursement authority.aspx

## SECTION 1 GENERAL INFORMATION

## 1. File Information

APPLICATION $\#$ (G, R, S or T)	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
G-15567	G-15646	NA





2. Property Owner (current owner information) – Assignment to Ray?

APPLICANT/BUSINESS NAME Ray Neuschwander		PHONE N <b>503-320-</b>	
ADDRESS 6097 S Whiskey Hill Road			
Сіту	STATE	ZIP	E-Mail
Hubbard	OR	97032	joel.nnllc@gmail.com

APPLICANT/BUSINESS NAME		PHONE No	O.	ADDITIONAL CONTACT NO.
Ray Gannon		503-390-2	2512	503-781-6304
ADDRESS				
2591 Brook Lake Road NE				
CITY	STATE	ZIP	E-MAIL	
Salem	OR	97303	ray@willa	mettetree.com

If the current property owner is not the permit or transfer holder of record, it is recommended that an assignment be filed with the Department. <u>Each</u> permit or transfer holder of record must sign this form.

3. Permit or transfer holder of record (this may, or may not, be the current property owner)

APPLICANT/BUSINESS NAME		PHONE No	D.	ADDITIONAL CONTACT NO.
Ray Neuschwander		503-320-	7502	
Address				
6097 S Whiskey Hill Road				
CITY	STATE	ZIP	E-MAIL	
Hubbard	OR	97032	joel.nnllc@	gmail.com

Salem	OR	97303	ray@wil	lamettetree.com
CITY	STATE	ZIP	E-MAIL	
2591 Brook Lake Road NE				
ADDRESS				
Ray Gannon		503-390-	2512	503-781-6304
APPLICANT/BUSINESS NAME		PHONE N	0.	ADDITIONAL CONTACT NO.

- 4. Date of Site Inspection:
- 5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Joel Neuschwander	7/21/2016	Landowner
Ray Gannon	7/21/2016	Landowner

6. County: Clackamas

7. If any property described in the place of use of the permit or transfer final order is excluded from this report, identify the owner of record for that property (ORS 537.230(4)): Lot 1000, Tax Map 04 1E, owned by Clint and Amy Perkett, 29489 S Needy Road, Canby, Oregon 97013, appears to have been included in the application map. However as confirmed by ownership at the time of application and the submitted and reviewed Land Use Information Form, this property was never intended to be included in the original application and was erroneously included in the application map.



# SECTION 2 SIGNATURES

# CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME		PHONE N	0.	ADDITIONAL CONTACT NO.
Greg Kupillas/Pacific Hyd	ro-Geology Inc	503-632-	5016	503-939-3167 (cell)
ADDRESS				
18487 S Valley Vista Road				
CITY	STATE	ZIP	E-MAIL	
Mulino	OR	97042	PHG@B	CTONLINE

# Permit or Transfer Holder's of Record Signature or Acknowledgement

**Each** permit or transfer holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
Attached	Ray Neuschwander	Landowner	
Altached	Ray Gannon	Landowner	



Seal and Signature	

CWRE NAME Greg Kupillas/Pacif Hydro-Geology Inc			ADDITIONAL CONTACT NO. 503-939-3167 (cell)
ADDRESS 18487 S Valley Vista	Road		
CITY Mulino	STATE OR	ZIP 97042	E-MAIL PHG@BCTONLINE

# Permit or Transfer Holder's of Record Signature or Acknowledgement

**<u>Each</u>** permit or transfer holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
the Off his	Ray Neuschwander	Landowner	4-20-17
	Ray Gannon	Landowner	



CWRE NAME Greg Kupillas/I	acific Hydro-Geolog	PHONE NO. 503-632-5	Additional Contact No. 5016 503-939-3167 (cell)
Address 18487 S Valley	Vista Road		
Crry <b>Mulino</b>	STATE OR	Z <sub>IP</sub> 97042	E-MAIL PHG@BCTONLINE

# Permit or Transfer Holder's of Record Signature or Acknowledgement

Each permit or transfer holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

Landowner	
Same of the	
Landowner	4/2
_	andowner

### **CLAIM DESCRIPTION**

1. Point of diversion/appropriation name or number:

	FOR ALL WORK PERFORMED ON THE WELL	WELL TAG # (IF APPLICABLE)
(CORRESPOND TO MAP) Well 1	(IF APPLICABLE) CLAC 12700	No Well Tag #
Well 2	CLAC 51287	L-02078

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepenings)

2. Point of diversion/appropriation source and, if from surface water, the tributary:

POD/POA Name or Number	Source	Tributary
Well 1 (CLAC 12700)	Alluvium	Bear Creek Basin
Well 2 (CLAC 51287/L- 02078)	Alluvium	Bear Creek Basin

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**OWRD** 

3. Developed use(s), period of use, and rate for each use:

POD/POA Name or Number	Uses	If Irrigation, List Crop Type	Season or Months When Water was Used	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
Well 1 (CLAC 12700)	Nursery Use	Nursery Stock	Year Round	0.7
Well 2 (CLAC 51287/L-02078)	•	Nursery Stock	Year Round	1.11
Total Quantity of Water Used				1.8 CFS

#### **SECTION 3**

#### **CLAIM DESCRIPTION**

1. Point of diversion/appropriation name or number:

POINT OF DIVERSION/APPROPRIATION (POD/POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
Well 1	CLAC 12700	No Well Tag #
Well 2	CLAC 51287	L-02078

Attach each well log available for the well (include the log for the original well and any subsequent alterations, reconstructions, or deepenings)

2. Point of diversion/appropriation source and, if from surface water, the tributary:

POD/POA	Source	Tributary
NAME OR NUMBER		
Well 1 (CLAC 12700)	Alluvium	Bear Creek Basin
Well 2 (CLAC	Alluvium	Bear Creek Basin
51287/L-02078)		

3. Developed use(s), period of use, and rate for each use:

POD/POA Name or Number	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
Well 1 (CLAC 12700)	Nursery Use	Nursery Stock	Year Round	0.70
Well 2 (CLAC 51287/L- 02078)	Nursery Use	Nursery Stock	Year Round	1.11
Total Quantit	y of Water U		1.8 CFS	

**4.** Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of diversion or appropriation to the place of use:

Water is appropriated from Well 1 using a 30-Hp pump, and from Well 2 using a 40-Hp pump. Water is conveyed through 5-inch and 6-inch buried PVC mainlines and 3-inch above-ground aluminum laterals. Water is applied to the authorized place of use via Rain Bird sprinklers with 1/8-inch sized nozzles or a big gun with a 1.1-inch nozzle.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

#### 5. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below.

YES

(e.g. "The permit allowed three points of diversion. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

Some areas authorized in the permit have not been developed. Therefore, the acreages within some of the quarter-quarter sections and the total acreage claimed are less than described in the permit.





6. Claim Summary:

POD/POA	MAXIMUM	CALCULATED	AMOUNT OF	USE	# OF	# OF ACRES
NAME OR #	RATE	THEORETICAL RATE	WATER		ACRES	DEVELOPED
	AUTHORIZED	BASED ON SYSTEM	MEASURED		ALLOWED	
Well 1	1.114 CFS	0.70 CFS	Not	Nursery	174.09	54.8
(CLAC 12700)			measured			
Well 2 (CLAC 51287/L- 02078)	0.49 CFS	1.11 CFS	Not measured	Nursery	174.09	97.4





#### **SECTION 4**

#### SYSTEM DESCRIPTION

Are there multiple PODs or POAs?

YES

Well 1 (CLAC 12700)

#### A. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
<b>4S</b>	1E	W.M.	32	SWNE			Nursery	26.5	NA
<b>4S</b>	1E	W.M.	32	SENE			Nursery	25.2	NA
<b>4S</b>	1E	W.M.	32	NWSE			Nursery	3.1	NA
Total	Acres I	rigated						54.8	NA

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLot), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLot, and QQ.

#### **B. Diversion and Delivery System Information**

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport <u>and</u> apply the water from the point of diversion/appropriation to the place of use.

1. Is a pump used?

**YES** 

2. Pump Information

MANUFACTURER		SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE	DISCHARGE SIZE
Franklin	Unknown	15E19-13- 06046A	Submersible	5-inch	5-inch

#### 3. Motor Information

MANUFACTURER	Horsepower
Franklin	30

4. Theoretical Pump Capacity

Horsepower	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
30	90	75.0 feet (per well log)	0 feet	0.70

5. Provide pump calculations:

Q pump = 
$$\frac{(30 \text{ Hp})(7.04 \text{ ft4/sec Hp})}{(75.0 \text{ feet lift} + 228.6 \text{ feet pressure head})} = 0.70 \text{ CFS}$$





6. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER	ENDING METER	DURATION OF TIME	TOTAL PUMP OUTPUT
READING	READING	OBSERVED	(IN CFS)
READING		ing at time of site visit	(IN CFS)

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

**YES** 

**8.** Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
5-inch	1,200 feet	PVC	Buried

#### 9. Lateral or Handline Information

LATERAL OR	LENGTH	Type of Pipe	Buried or Above Ground
HANDLINE SIZE			
3-inch	2,664 feet	Aluminum	Above Ground

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM Number Used	TOTAL SPRINKLER OUTPUT (CFS)
1/8	70	4	220	78	0.70
1.1-inch nozzle (big gun)	80	315	1	1	0.70

#### 11. Pivot Information

MANUFACTURER	MAXIMUM	OPERATING	TOTAL PIVOT	TOTAL PIVOT		
	WETTED RADIUS	PSI	OUTPUT (GPM)	OUTPUT (CFS)		
NA						

12. Additional notes or comments related to the system:

None.

# C. Groundwater Source Information (Well and Sump)

1. Is the appropriation from ground water (well or sump)?

YES

2. Describe the access port (type and location) or other means to measure the water level in the well:

½-inch port in the center on top of gravel feed tube. Gravel feed tube is on the northwest side of well.

3. If well logs are not available, provide as much of the following information as possible:

WELL	CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF ORIGINAL WELL	COMPLETION DATES OF ALTERATIONS	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
------	--------------------	-----------------	----------------	----------------------------------	---------------------------------	------------------------------------	--------------------

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

See attached Well Log

5. Is the appropriation from a dug well (sump)?



### D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)

NO

E. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

NO

F. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

NO

G. Reservoir

1. Does the claim involve a reservoir modified through a transfer?

NO

POD/POA Name or Number this section describes (only needed if there is more than one):

Well 2 (CLAC 51287)

#### A. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
<b>4S</b>	1E	W.M.	32	SWNE			Nursery	2.7	NA
<b>4S</b>	1E	W.M.	32	SENW			Nursery	18.3	NA
<b>4S</b>	1E	W.M.	32	NESW			Nursery	23.0	NA
<b>4S</b>	1E	W.M.	32	NWSE			Nursery	21.8	NA
<b>4S</b>	1E	W.M.	32	SWSE			Nursery	31.6	NA
Total	Total Acres Irrigated						97.4	NA	

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLot), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLot, and QQ.

# **B. Diversion and Delivery System Information**

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport <u>and</u> apply the water from the point of diversion/appropriation to the place of use.

1. Is a pump used?

YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Franklin	2366176025	Unknown	Submersible	5-inch	6-inch

3. Motor Information

MANUFACTURER	Horsepower
Franklin	40

RECEIVED



4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	*If a well, the water level during pumping	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
40	80	48.0 feet (from pumping test results)	0 feet	1.12

5. Provide pump calculations:

(40 Hp)(7.04 ft4/sec Hp) = 1.12 CFS $Q pump = _$ (48.0 feet lift + 203.2 feet pressure head)

6. Measured Pump Capacity (using meter if meter was present and system was operating)

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)			
Not running at time of site visit						

#### Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6-inch	4,600 feet	PVC	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	Туре ог Ргре	BURIED OR ABOVE GROUND
3-inch	4,735 feet	Aluminum	Above Ground

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
1/8	70	4.0	220	125	1.11
1.1-inch nozzle (big gun)	80	315	1	1	0.70

11. Pivot Information

Manufacturer	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
		NA		

#### **12.** Additional notes or comments related to the system:

None.

# C. Groundwater Source Information (Well and Sump)

1. Is the appropriation from ground water (well or sump)?

YES

 Is the appropriation from ground water (well of sump).
 Describe the access port (type and location) or other means to measure the water level in the well:

½-inch port in the NW of top of gravel pack feed tube. Gravel feed tube is on the northwest side of the well.



3. If well logs are not available, provide as much of the following information as possible:

CASING DIAMETER	CASING DEPTH	TOTAL DEPTH	COMPLETION DATE OF ORIGINAL WELL	COMPLETION DATES OF ALTERATIONS	WHO THE WELL WAS DRILLED FOR	WELL DRILLED BY
		The second second second	See attache	d Well Log		

4. In addition to the information requested in item "3" above, provide any other information which may help the Department locate any well logs associated with this appropriation.

See attached Well Log

5. Is the appropriation from a dug well (sump)?

NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)

NO

E. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

NO

F. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

NO

G. Reservoir

1. Does the claim involve a reservoir modified through a transfer?

NO

# **SECTION 5**

#### **CONDITIONS**

All conditions contained in the permit, permit amendment, transfer final order, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

#### 1. Time Limits:

Permits, transfer final orders, and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit, extension or transfer final order:

	DATIE FROM PERMIT OR TRANSFER	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS			
ISSUANCE DATE	1/5/2005					
BEGIN CONSTRUCTION (A)	Permit does not contain "A" date.					
COMPLETE CONSTRUCTION (IB)		Permit does not contain "B" date.				
COMPLETE APPLICATION OF WATER (C)	10/1/2008 extended to 10/1/2015	9/2015	Complete application of water to beneficial use was made by E September, 2015.			



\* MUST BE WITHIN PERIOD BETWEEN PERMIT, TRANSFER FINAL ORDER, OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)?

YES

3. If for a transfer extension order, provide the following information:

e. Has a pump test exemption been approved by the Department?

VOLUME	VOLUME PAGE DATE EXTEN		
Not	for a transfer extension ord	ler	
. Initial Water Level Measurements:			
Was the water user required to subm	it an initial static water level	measurement?	NO
. Annual Static Water Level Measurer	nents:		
Was the water user required to subm	it annual static water level m	easurements?	NO
Pump Test (Required for most ground	d water permits prior to issua	nce of a certificate)	
Did the permit require the submittal of	of a pump test?		YES
. Has the pump test been previously su	bmitted to the Department?		NO
. Is the pump test attached to this claim	1?		YES
. Has the pump test been approved by	the Department?		NO

<sup>\*</sup>Pump test waiver for Well 2 was submitted to the Department, however the waiver request has not been processed as of this date.

#### 7. Measurement Conditions:

a. Does the permit, permit amendment, transfer final order, or any extension final order require the installation of a meter or approved measuring device? YES

b. Has a meter been installed?

YES

NO\*

c. Meter Information

POD/POA NAME OR #	Manufacturer	SERIAL#	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Well 1	McCrometer	06-04261-04	Working	58,166,500 gallons	9/2006
Well 2	McCrometer	05-02-925-06	Working	188,107 gallons	9/2006

8. Recording and reporting conditions

a. Is the water user required to report the water use to the Department?

**YES** 

b. Have the reports been submitted?

YES

METHOD OF SUBMITTING REPORT	WATER USER REPORTING ID
(PAPER OR ELECTRONIC)	
Electronic	30176

If the reports have not been submitted, attach a copy of the reports if available.

9. Fish Screening

a. Are any points of diversion required to be screened to prevent fish from entering the point of MAY NAY 2017



<sup>\*\*</sup> Claims will not be reviewed until a pump test or exemption has been approved by the Department

# 10. By-pass Devices

	a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion?				
	ther conditions required by permit, permit amendment final order, extension final order, sfer final order:				
a.	Were there special well construction standards?	NO			
b.	Was submittal of a ground water monitoring plan required?	NO			
c.	Was the water user required to restore the riparian area if it was disturbed?	NO			
d.	Was a fishway required?	NO			
e.	Was submittal of a letter from an engineer required prior to storage of water?	NO			
f.	Was submittal of a water management and conservation plan required?	NO			
g.	Other conditions?	NO			

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

NA.

#### **SECTION 6**

# **ATTACHMENTS**

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
Claim of Beneficial Use Map	Claim of Beneficial Use Map
Water Supply Well Report CLAC 12700	Well Log for Well 1 (CLAC 12700)
Water Supply Well Report CLAC 51287	Well Log for Well 2 (CLAC 51287/L-02078)
Pump Test Form Cover Sheet and Pump Test Data Sheet	Pump test results for Well 2 (CLAC 51287/L-02078)
	Appendix A
Clackamas County Assessor Map for Lot 1000, Tax Map 04 1E 32	Identifies hatchured area on application as tax lot not owned by original applicant
Land Use Information Form submitted and reviewed with original application	Shows TL 4 1E 32 1000 was not reviewed or approved by Clackamas County. Shows Oregon Water Resources Department authorized the hatchered area on the application map in error.
Original application	Identifies original applicant as the only landowner associated with the proposed place of use.
Letter	Provides narrative for the proposed place of use according to the application map and the place of use claimed under this Claim of Beneficial Use report.





#### **SECTION 7**

#### **CLAIM OF BENEFICIAL USE MAP**

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The COBU map was prepared using tax assessor's map 4 1E 32, overlain by a 2014 aerial photo titled USDA-FSA-APFO NAIP County Mosaic and obtained online from the Natural Resource Conservation Service. Image metadata: http://datagateway.nrcs.usda.gov/Catalog/ProductDescription/NAIPM.html

#### Map Checklist

Please be sure that the map you submit includes ALL the items listed below	W.
(Reminder: Incomplete maps and/or claims may be returned.)	

`	* * * * * * * * * * * * * * * * * * *
$\boxtimes$	Map on polyester film
$\boxtimes$	Appropriate scale (1" = $400$ feet, 1" = $1320$ feet, or the original full-size scale of the county assessor map)
$\boxtimes$	Township, Range, Section, Donation Land Claims, and Government Lots
$\boxtimes$	If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
	Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
$\boxtimes$	Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
$\boxtimes$	Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
$\boxtimes$	Point(s) of diversion or appropriation (illustrated and coordinates)
$\boxtimes$	Tax lot boundaries and numbers
	Source illustrated if surface water
$\boxtimes$	Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownershiplines")
$\boxtimes$	Application and permit number or transfer number
$\boxtimes$	North arrow
$\boxtimes$	Legend
$\boxtimes$	CWRE stamp and signature  RECEIVE



# Permit G-15646 Claim of Beneficial Use Appendix A





#### VILUELUEL

S.Mellymeregon

Abandon A

Irrigation

Amount

BENTONITE METHOD

Size of gravel .

Steel Plastic

DOWN

Material

Tele/pipe

YELLOW COPY - CONSTRUCTOR

9

Material

To

Depth of Completed Well 154 fi

STATE OF OREGON

NEUSCHWA

WHISKEY

☐ Recondition

☐ Industrial Other

ft.

ft.

Gauge

• 250

Method DRIVE

Number, Diameter

(8) WELL TESTS: Minimum testing time is 1 hour

Air

Yes By whom -

Did any strata contain water not suitable for intended use? 

Too little

Drill stem at

Pump

DepthArtesian Flow Found

No

Material RANUUR

Cable.

(1) OWNER:

HUBBAND

(2) TYPE OF WORK:

(3) DRILL METHOD

(4) PROPOSED USE:

Special Construction approval Yes

☐ Deepen

☐ Rotary Mud

☐ Community

BORE HOLE CONSTRUCTION:

Туре

□ A

.ft. to **90** 

To

154

(7) PERFORATIONS/SCREENS:

Slot

☐ Bailer

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

WHITE COPIES - WATER RESOURCES DEPARTMENT

Drawdown

\_ft. to \_

From

☐ Injection

Name JOBA

Address

New Well

☐ Rotary Air

☐ Domestic

Thermal

Explosives used

HOLE

ter From

20

How was seal placed: Method Other GRANGLAR

(6) CASING/LINER: Diameter

ocation of shoe(s)

Perforations ☐ Screens

To

☐ Pump

Yield gal/min

Temperature of water .

Was a water analysis done?

Soo

700

Backfill placed from \_

Liner:

Gravel placed from 25

Other

JUN 27 1988 WATER WELL REPORT (as required by ORS 537.765) TER RESOURCES DEPT

State OR

e i u le le	CLIF			STACE	TCA	25
7 1000 /	01270	0	45/	16-	· 23	30
7 1988			11	(	<del>/</del>	
JURCES DEPT.						
19TEGON		OF WELL by le				
20	County	AMAituSe Nor S, Range	-16	Longitud	e	
Zip					_E or W,	WM.
		W				
bandon		Lot Block			ivision	
	SINE	BY KO,	AUS	<u>y</u>		
	(10) STATIC W	VATER LEVEL:		_	5/2.	dev
-				Date		188
ation		EARING ZONE		Date		
	` '	_	ioi			
	Depth at which water was					
ted Well 154 ft.	From	To		ated Flow		SWL
	85	102		GPM		30
	115	132	200	SPA	4 2	30
Amount sacks <del>or pound</del> s						
sacks or politics				<del></del>		
	(12) WELL LO	G: Ground elevati	on			
		Material		From	То	SWL
4.5	SOIL			1	3	
□ E 🏺	CLAY BROWN	N		3	31	
EMOD	SAND BRO			31	31	
A= -	CLAY GREY			31	42	
PEA	CEMENTES .			42	63	
	CLAY DK G			63	70	
Welded Threaded	SICT BLACE			70	82	
	SAND BU	CK FINE		82	92	
	CEMENTES			92	105	
	CLAY BLU	E STICKEY		105	115	
	CLAY GREY	w/ GRES		115	132	
	SAND LA	VERS				
	CLAY GREEN			132	144	
	SILT DAR	K BROWN.		144	147	
	CLAY BLUE	GREEN		147	154	
ON						
1	ANITIACLY.	PERFORATED	115	to 1.	50/2	wa
	PRODUCES 1	50 7 PM, top	al.	The	6K	AUEC
Casing Liner	PACKED 75	-102 8 113	5-13	2,	pera	Grade
	88 40 115	. Then PR	PODUC	Es :	300	Same
	W174 21 DI	RAW DOWN.				07
님 님	L	- /				
	Date started 5//	3/68 Com	pleted	5/25	188	
	(unbonded) Water V	Well Constructor Ce	rtificeti	on		
1 hour Flowing	I certify that the	e work I performed on	a the co	nstructio	on, alter	ation, or
Artesian	abandonment of this	well is in compliant	e with	brezon s	vell com	des entiron
Time	standards. Materials u knowledge and belief.	sed and information r	eported .	above ar	e true to	my best
	owicago una conci.		M	WC Nu	<u>9 201</u> /	,
1 hr.	Signed		- D	ate	muel	1.0
<del></del>	(bonded) Water Wel				KI	
Found	l accept responsi work performed on th	bility for the construction well during the cons	tion, hit	eration,	or aband	lonment
	work performed dur	ink this time is in	compli	ance wi	th Oreg	on well
o little	construction standard	s. This report is true	to the b	est of m	y knowle	dge and
	belief.	0/	12	WC Nu	Prop.	15_
	Signed	21-V Kles	16 n	ata 3/	2:01	ES

PINK COPY - CUSTOMER

9809C 10/86

# RECEIVED

STATE OF OREGON
WATER SUPPLY WELL REPORT 51287

JAN - 9 1997

TAG # LOZO78

ne Neuschwander's Nursery iress 6097 S. Whiskey Hill Rd y Hubbard State Or Zip 97032  TYPE OF WORK New Well Deepening Alteration (repair/recondition) Abandonment  DRILL METHOD: Rotary Air Rotary Mud X Cable Auger Other PROPOSED USE: Domestic Community Industrial Irrigation Thermal Injection Livestock Other BORE HOLE CONSTRUCTION: secial Construction approval Yes No Depth of Completed Well 140 ft. replosives used Yes No Type Amount	County CLACKAMAS Township 45 Section 32 Tax Lot 900 Lot Street Address of Well (	N or S Range 1 Se 1/4 Block or nearest address)  / Rd LEVEL:	Longi	_ E or W. 1/4 division	. WM.
ress 6097 S. Whiskey Hill Rd  y Hubbard State Or Zip 97032  TYPE OF WORK  New Well Deepening Alteration (repair/recondition) Abandonment  DRILL METHOD:  Rotary Air Rotary Mud X Cable Auger  Other  PROPOSED USE:  Domestic Community Industrial Irrigation  Thermal Injection Livestock Other  BORE HOLE CONSTRUCTION:  secial Construction approval Yes No Depth of Completed Well 140 ft.  Replosives used Yes No Type Amount	Township 45  Section 32  Tax Lot 900 Lot  Street Address of Well (	N or S Range 10 Se 1/4 Block or nearest address) / Rd LEVEL: w land surface.	e Nw 1 Subo	_ E or W. 1/4 division	. WM.
State	Section   32     Tax Lot   900   Lot     Street Address of Well (   29435   S   Needy     (10)   STATIC WATER     47   ft. below	Se 1/4	Nw 1	l/4 division	
TYPE OF WORK  New Well Deepening Alteration (repair/recondition) Abandonment  DRILL METHOD:  Rotary Air Rotary Mud X Cable Auger  Other  PROPOSED USE:  Domestic Community Industrial Irrigation  Thermal Injection Livestock Other  BORE HOLE CONSTRUCTION:  secial Construction approval Yes No Depth of Completed Well 140 ft.  splosives used Yes No Type Amount	Tax Lot	i Block  for nearest address)  Rd  LEVEL: w land surface.	Sub	division	
TYPE OF WORK  New Well Deepening Alteration (repair/recondition) Abandonment  DRILL METHOD:  Rotary Air Rotary Mud X Cable Auger  Other  PROPOSED USE:  Domestic Community Industrial Irrigation  Thermal Injection Livestock Other  DBORE HOLE CONSTRUCTION:  secial Construction approval Yes No Depth of Completed Well 140 ft.  Replosives used Yes No Type Amount	Tax Lot	i Block  for nearest address)  Rd  LEVEL: w land surface.	Sub	division	
New Well Deepening Alteration (repair/recondition) Abandonment  DRILL METHOD:  Rotary Air Rotary Mud X Cable Auger  Other  PROPOSED USE:  Domestic Community Industrial Irrigation  Thermal Injection Livestock Other  BORE HOLE CONSTRUCTION:  secial Construction approval Yes No Depth of Completed Well 140 ft.  splosives used Yes No Type Amount	29435 S Needy (10) STATIC WATER 47 ft. belov Artesian pressure	Rd LEVEL: w land surface.			
DRILL METHOD:  Rotary Air	(10) STATIC WATER  47 ft. belov  Artesian pressure	LEVEL: w land surface.			
Rotary Air Rotary Mud X Cable Auger  Other  PROPOSED USE:  Domestic Community Industrial Irrigation  Thermal Injection Livestock Other  BORE HOLE CONSTRUCTION:  secial Construction approval Yes No Depth of Completed Well 140 ft.  Replosives used Yes No Type Amount	47 ft. belov	v land surface.			
Other  PROPOSED USE:  Domestic Community Industrial Irrigation  Thermal Injection Livestock Other  DOME HOLE CONSTRUCTION:  Decial Construction approval Yes No Depth of Completed Well 140 ft.  Replosives used Yes No Type Amount	Artesian pressure	w land surface.		_	
PROPOSED USE:    Domestic	Artesian pressure  (11) WATER BEARIN	••		ate <u>Sep</u>	
Domestic	(11) WATER BEARIN	lb. per squar	e inch. Da	ite	
Thermal Injection Livestock Other    Description   Livestock   Other		G ZONES:			
BORE HOLE CONSTRUCTION:    Decial Construction approval					
pecial Construction approval Yes No Depth of Completed Well 140 ft. plosives used Yes No Type Amount Amount	Depth at which water was	first found40			
splosives used Yes No Type Amount					
tplosives used	From	То	Estimated	Flow Rate	SWL
	40	140			47
ROLE					$-\!$
lameter From To Material From To Sacks or pounds 2   1   50   Bentonite   1   50   35 sacks					
50 140					
	(12) WELL LOG:				
low was seal placed: Method A B C D B		Elevation			
ow was seal placed: Micurod Un Un Un Un Un					
Other Granular Bentonite method	Materia	1	From	To	SWL
BECKIE PIECO ITONI	Soil		1	3	<b></b> _
naver places from go	. Clay, Brown		3	38	
6) CASING/LINER:  Diameter From To Gauge Sicel Plastic Welded Threaded		el, brown	38	54	
Diameter From 10 Gauge Steel			54	58	
		sandy	58	60	
		fine	60	69	<u> </u>
		vel, black	69	71	<u> </u>
		vel, sand	71_	74	
		1	74	95	
	Clay, blue		95	98	
Final location of shoe(s) 140		silty	98	101	
7) PERFORATIONS/SCREENStive Down		rey	101		
Perforations Method		coarse sand	108		
Storeens Type Material	Clay oray W	/some cemented			I
To size Number Diameter size Casing Liner	Clay, blue		136	140	
	7107, 0100				
	Note: 6 inc	h gravel feed e	ach side o	of	
	8 inch well				
	J ZIRII WEIL				
	Date started Augus	t B, 1996 Cor	mpleted	ec 10, 1	1996
(8) WELLTESTS: Minimum testing time is 1 hour	(unbonded) Water Wel				
Flowing				eration, or a	oundonm
Pump Bailer Air Artesian		anne with Oregon water	r annolv Well C	CONSTRUCTION	PUMPLE
Yield gal/min Drawdown Drill stem at Time	Materials used and info	mation reported above	and the roline	) 2017 P	Knowied
105 A br	and belief.		WWC N		
220 105 4 11	le:			Date	25 - 25 - 12 - 1 - 1
	Signed(bonded) Water Well (	Constructor Cartificat		<del>                                      </del>	
Temperature of water 53 Depth Artesian Flow Found	1	for the construction	alteration or a	handonmen	ıt work
Was a water analysis done? Yes By whom					
Did any strata contain water not suitable for intended use?   Too little	performed on this well performed during this t construction standards.	ime is in compliance w	ith Oregon was	ter supply w	/ell and belief
- Company Colored Colored	construction standards.	Inis report is arus to t	ne ocal of my i	vito Atende	17
Salty   Muddy   Odor   Colored   Other	. / / /	1 4 4/ 1	WWCN	Number	FAL
Salty Muddy Odor Colored Other	Signed Sich	D. K. U		Date /	1010

# Oregon Water Resources Department PUMP TEST FORM COVER SHEET

Well Owner:		Well Locatio	in:	1 1 1 1 1 A A
Name: Neuschwanders Nurse Address: 6097 S Whiskey Hil	ery	Township:	[N/S] Range: ½ : ½,	[(Œ/VV)
Address: 0097 3 Williskey Fill		Well depth:	Date drilled: _	'04 ''
County: Clackamas City:Hubbard OR S	State: Zip:97032	Owners well	no. (if any):	
Original owner (from well log	a):		PÓD ID;	•
Water Right Information:				
Application: G-15567	Permit: <u>G-15646</u>		Certificate:	
is this well listed on more tha	an one water right? 🛚 🗀	res irye:	s, list adoltional water	MINO DEIOM.
Application:	Permit:		_ Cedificate:	
	Femili.		_ Obtuincato	
Pump Test:			10/all Owns	-2 □ Voc
Test Conducted by: Rich Ge	ong		vven Owne	17 [] 105
Company: Fisher's Supply In Address: 659 SW 1st Ave			Date of Test: 02	-17-16
City Canby	State; OR Z	ip: 97013	Date of Test: 02	<del></del>
Daytime phone: 503-263-85	57			-
Method of discharge measu	rement (see our brochu	re for acceptable	methods); Flow mete	r MoCrometer
Method of water-level meas	urement (pick one or en	ter other method	used): E-tape	
Length of air line (if used): _	1			
Pump type (pick one or ente	er other method used): 🕏	ubmersible		
Was the pump test conducte	ed during normal use of	the well? 🔲 Ye		
Are you aware of any wells,	other than domestic or	stock wells, pun	nping within 1000 feet	of the tested
well during the test or within	24 hours prior to the te	st? Tyes No	te: No	
If yes, give approximate dist	tances to each and appr	oximate pumplr	ig rate of each. If poss	sible, Indicate If
they were turned on or off d				
Well elevation is below  Description of measuring po			st side) vent hole well s	eal
Measuring point distance be				
				ha haur hafare
Static water level measure pumping begins at no less to		i illiee lileasole	ments are required in	Ita lindi painte
		mane noint	Depth to water belo	w land surface
Tirne 9:00	Depth to water below r 24'6"	neas, point	23' 6"	W INIU SUITACE
9:30	24' 6"		23' 6"	
10:00	24' 6"		23' 6"	
Discharge measurements once an hour during the tes	s: (A discharge measure st; additional measureme	ement is required ents should be n	d at the start of pumpli oted on the Pump Tes	ig and at least It Data Sheet):
Time	Discharge Rate		Discharge Units (e.g	
10:00	400		gpm	· · · · · · · · · · · · · · · · · · ·
11:00	400		gpm	
12:00	400 · 400		gpm	<del></del>
2:00	400		gpm	
			Time 10:00 am	
Time pump turned on:	Date <u>2-17-16</u> Date <u>2-17-16</u>	-	Time 2:00 pm	
Time pump turned off: Total pumping time;	4 hours	mir	Tules	DECENIE
				TEVEIVE
Note: Well must be idle for Additional forms can be obtained.			wrd.state or us	OM/R/0 249/200404**
	<b>\</b>	HEINTLAAAAA		944RP 219/3902017
. 21				
Required Signature: 12	Ly Ju			

PAGE 02/03

FISHERS SUPPLY INC

2035638369

04/03/2016 11:50

#### Oregon Water Resources Department

# **PUMP TEST DATA SHEET**

	4		4	
Page	1	of	_ I	

Application: G-15567	Permit: G-15646	Certificate:	Pod_Id:
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All water-level measurements must either be in feet and inches, or feet and decimal fractions.

		Drav	vdown	Data				Recov	ery Da	ata	
Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments	Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
2-17-16	9:00		24'6'	52, C.		2-17-18	]				
	10,00		43'	42'	400 GPM	<u> </u>	2:02		38'6"	34' 6"	
	10:02		43'	427			2.04		33' 11"	32'11"	
	10,04		43'	4.7			2 0 6	ļ	32.11.	31'11'	
	10:06		43 3'	45, 3.			2.08		32	31'	
	10.03		43'6'	42'6'			2:10		31.6.	30.4.	
	10:10		43' 10'	42'10"			2:15		30.3.	58, 3.	
	10.16	ļ	44'4'	43' 1'			220	ļ	39' B'	26' 6'	
	10:20		44. 6.	43'6"	400		225	<del> </del>	26' 8'	27'0"	
	10:25		45	44'	400 gpm	1	2:45	<del> </del>	27' 7"	26' / '	
	10:30	<del> </del>	45'11'	44' 11'			3:00	+	26.8"	22. H ,	
	10-45	-	46,	45'			3:15	-	26' 1"	25' 1"	
ļ	11:00		45'	46'			1 27.5	1			
	11:30	<del>                                     </del>	49	46"	400 gpm	<del> </del>		-			
	11:45		49'	48"	13.00				<u> </u>	<del>                                     </del>	
	12 00	<del> </del>	49'	48'						-	
	12:15	-	49'	48'			<del>                                     </del>				
	12:30	1	48'	46'							
	12:46	1	49	46							
	1:00		49'	48	400 gpm						
	1:10	1	451	48'							
	1:30		49	46'							
	1:45		49	46'							
	2:00		48'	46	400 gpm						
	1	T									
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Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

RECOURD 29 2000 D

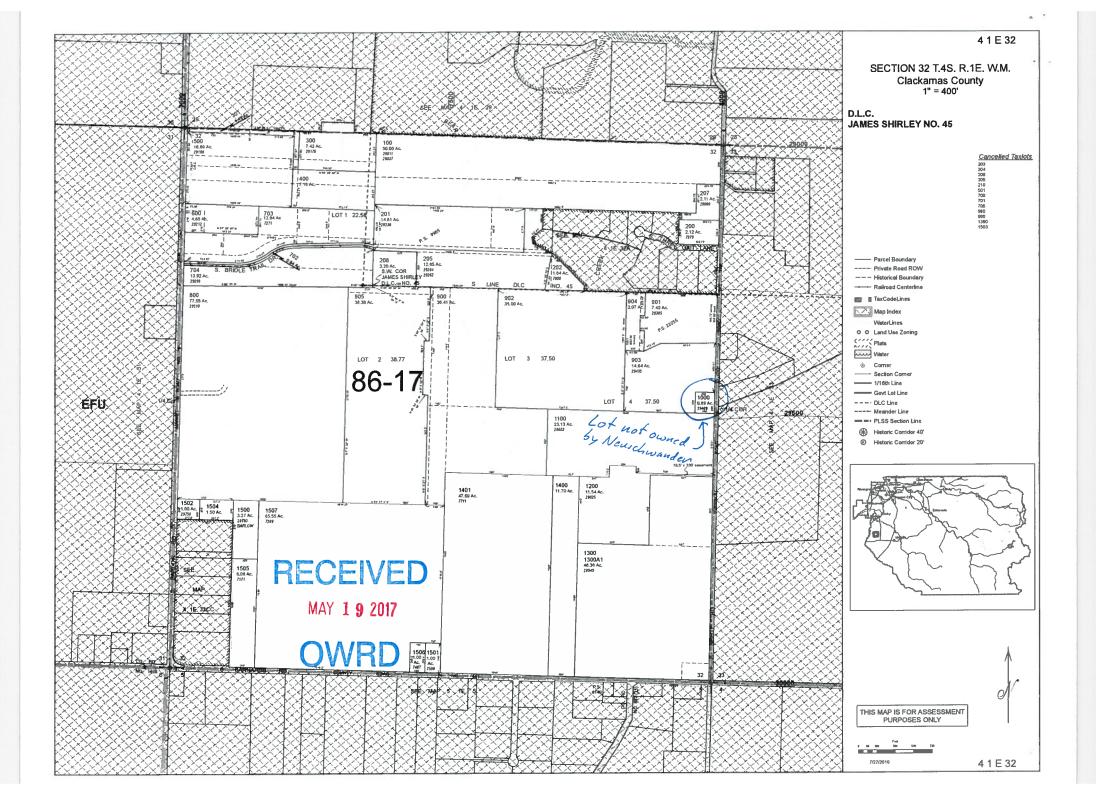
MAY 1 9 2017

PAGE 03/03

FISHERS SUPPLY INC

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# Oregon Water Resources Department Land Use Information Form

JUL 2 5 2001

This information is needed to determine compatibility with local comprehensive plans as required by ORS 197.180. The Water Resources Department will use this and other information to evaluate the water use application. DO NOT fill out this form if water is to be diverted, conveyed, or used only on federal lands.

To Be Completed By Ap	pplicant —				
The following section includes information about proposed water individual or group that is filing an application for a water right	use. This section must be completed by the with the Water Resources Department.				
Name: JOEL NEWSCHWANDER					
Address: 6097 S. WHISKEY HILL					
City: HUBBARD State: OR Zip: 97	1032 Day Phone: (503) 657-3253				
Please provide information as requested below for all tax lo diverted, conveyed, or used. Check "diverted" if water is di "conveyed" if water is conveyed (transported) on tax lot, an use on tax lot. More than one box may be checked. (Attach for municipal use, or irrigation uses within irrigation districts service area boundaries for the tax lot information requested.	verted (taken) from its source on tax lot, d "used" if water will be put to beneficial extra sheets as necessary.) Applicants , may substitute existing and proposed				
Tax Lot I.D. Plan Designation (e.g. Rural Residential/RR-5)	Water to be: (check all that apply)				
900 – 905	☑ Diverted ☑ Conveyed ☑ Used				
1401	☐ Diverted ☐ Conveyed ☐ Used				
4-1E-32	☐ Diverted ☐ Conveyed ☐ Used				
List counties and cities where water is proposed to be diverted, conveyed, or used.  — C. Description of Water Use  Indicate what the water will be used for. Include the beneficial use (found in the instruction booklet for your water right application) and use the space below to describe the key characteristics of the project.					
Beneficial Use(s): IRRIGATION (NURSERY USE)					
Briefly describe: COMMERCIAL NURSERT USE WITH CONTAINER 120					
NURSERY STOCK AND IN-GROUND NURSERY STOCK					
- D. Source - Application No Indicate the source for the proposed patents: No.   Reservoir/Pond V Ground Water   Surface W	WATER RESOURCES DEPT				
☐ Reservoir/Pond ☑ Ground Water ☐ Surface W	(source)				
E. Quantity     Indicate the estimated quantity of water the use will require	oWRD				
647.95 □ CFS □ GP	M Acre-Feet				

The following section must be completed located entirely within the city limits. It additional forms as needed or feel free to	In this case, only the city planning age	ity and city listed	unless your project will be e this form. Please request
- A. Allowed Use			······
Check the appropriate box below	w and provide requested inform	ation.	
allowed outright or a	ed by proposed water uses (incre not regulated by your compred 401. Go to se	ehensive plan.	Cite applicable
	ed by proposed water uses (inclined land use approvals as listed in		
Type of Land Use Approval Needed (e.g. plan amendments, rezones,	Cite Most Significant, Applicable Plan Policies & Ordinance Section References		e item that applies: Use Approval:
conditional use permits, etc.)	Section References		T
*		☐ Obtained☐ Denied☐	☐ Being pursued☐ Not being pursued
	(4	☐ Obtained☐ Denied☐	☐ Being pursued☐ Not being pursued
		☐ Obtained	☐ Being pursued
		Denied	☐ Not being pursued
		☐ Obtained	☐ Being pursued
		☐ Denied	☐ Not being pursued
Note: Please attach documentation (Record of Action plus accompany)  — B. Approval		vals which have	already been obtained.
Please provide printed name ar	nd written signature.		
To C.		Data: 17	JULY 0 1
Name: lerry Curr	7		
Title: SR Plannev	Phone: (50)	3) 353 4-S	06
Signature:			
- C. Additional Comments -			
Local governments are invited the Department regarding this p	to express special land use con proposed use of water below, or	cerns or make r on a separate	recommendations to sheet.
MA		ME	CEIVE
			RECEIVED
		17 17	MAY 1 9 2017
			SATER RESOURCES DEPT
<b>Note:</b> If this form cannot be comp structed below. You will have 30 d	lays from the Water Resources Dep	oartment s notice	e aate to return the
completed Land Use Information	Form or WRD will presume the lassemente of the lassement of the last of the state of the last of the l	nd use associated Her )	i with the proposed water



# Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. Thank you.

ompiciniz your applical	on. Thank you.					ECE		
	1.	APPLICA	ANT INFOR	MATION		JUL 2	5 2001	
A. Individuals	*						OURCES DEPT	e
Applicant: JoEI	NEUSC First	HWAN	DER	Last		SALE	M, OR	
Co-applicant:	First			Last				
Mailing address: _	6097	5. w	HISKEY	HILL	ROAD			•
Hus	BARD		OR		97	032		
						Zip	,	
Phone: (503)	651 - 523 Home	3	Work			Other	***	
*Fax:		*E-	Mail address	:			10	
B. Organization	S		-					
(Corporations, associatio		ships, joint	stock companie	s, cooperatives,	public and	municipal co	rporations)	
Name of organization	on:							·
Name and title of pe	erson applying:				525			
Mailing address of	organization: _							
	0.1			01-1-		7:		
	City			State	•	Zi	P	
Phone:	Day		×	Evening		HE		-
*Fax:		*E-	-Mail address	s:		MA	Y 1 9 20	17
Optional information							WRI	
*		For I	Department Us	se				]
App. No. <u>G</u> -	15567		No		Date	7-25-0	<u>) /</u>	

# Pacific Hydro-Geology Inc.

18487 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016

January 28, 2017

Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301

Re: Proposed Place of Use vs. Claimed Place of use

#### **OWRD Staff:**

On July 7, 2011 Joel Neuschwander submitted Application G-15567. The map submitted with the application shows hatching on TL 4 1E 32 1000. But as confirmed by the original Land Use Information Form and identified landowner (my father, Joel Neuschwander) on the original application, the applicant never intended to propose use of water on this tax lot.

Additionally, the original applicant (my father, Joel Neuschwander) has:

- 1. Never owned any portion of TL 4 1E 32 1000;
- 2. Never had any type of formal or informal agreement with the landowners of TL 4 1E 32 1000 allowing them access to the authorized wells; and
- 3. Never made beneficial use of water on any portion of TL 4 1E 32 1000.

#### Furthermore, I have:

- 1. Never owned any portion of TL 4 1E 32 1000;
- 2. Never had any type of formal or informal agreement with the landowners of TL 4 1E 32 1000 allowing them access to the authorized wells; and
- 3. Never made beneficial use of water on any portion of TL 4 1E 32 1000.

Accordingly, the submitted Claim of Beneficial Use does not claim use of water on this tax lot.

Signature of legal owner as listed on deed

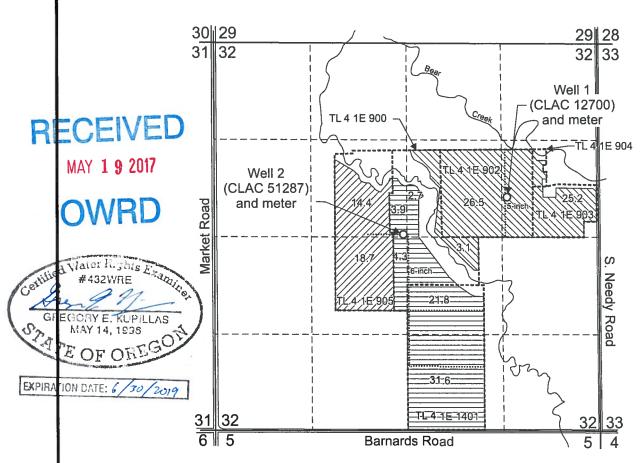
Data /

MAR 1 0 2017 MAY 1 9 2017

SALEM, OR

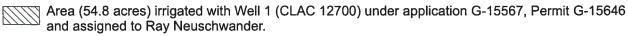
**OWRD** 

# T.4S. R.1E. Section 32, W.M.



Well 1 (CLAC 12700) and meter are located 550 feet north and 1,250 feet west from the east 1/4 corner, Section 32.

Well 2 (CLAC 51287) and meter are located 50 feet north and 50 feet west from the center 1/4 corner, Section 32.



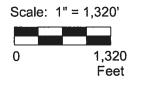
Area (64.3 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.

Area (33.1 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Gannon.

bgp - 2016

----- Tax lot boundary

----- 5-inch and 6-inch Mainline



This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map Application G-15567, Permit G-15646

Ray Neuschwander and Ray Gannon T4.S. R.1E. Section 32, W.M.

Pacific Hydro-Geology Inc.

uschwander\_Gannon.cdr

#### **KAVANAGH Kerry L \* WRD**

From:

**HAGE Trisha \* WRD** 

Sent:

Monday, June 05, 2017 3:54 PM

To:

COOK Nirvana \* WRD; SNYDER Lisa J \* WRD

Cc:

OPEIFA Salem B \* WRD; SUMPTION Mishelle K \* WRD; WUETHRICH Courtney A \* WRD;

ZIELINSKI Vicki J \* WRD; KAVANAGH Kerry L \* WRD

**Subject:** 

RE: \*\*customer waiting\*\* CERTIFICATE REQUEST

Hi Nirvana,

Please use R12489-17 and PCA 47126.

Thanks, Trisha

From: COOK Nirvana \* WRD

Sent: Monday, June 05, 2017 3:49 PM

To: SNYDER Lisa J \* WRD

Cc: OPEIFA Salem B \* WRD; HAGE Trisha \* WRD; SUMPTION Mishelle K \* WRD; WUETHRICH Courtney A \* WRD;

ZIELINSKI Vicki J \* WRD; KAVANAGH Kerry L \* WRD **Subject:** \*\*customer waiting\*\* CERTIFICATE REQUEST

Hello....we have a customer waiting at the counter for this to be receipted..thank you so much!

APPLICANT: RAY NEUSCHWANDER AND RAY GANNON

**RELATED TO APPLICATION #: G-15567** 

INVOICE #: 123614

Thank you,

Nirvana

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COOK Nirvana \* WRD

Sent:

Monday, June 05, 2017 3:49 PM

To:

SNYDER Lisa J \* WRD

Cc:

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**RELATED TO APPLICATION #: G-15567** 

INVOICE #: 123614

Thank you,

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APPLICANT: RAY NEUSCHWANDER AND RAY GANNON

**RELATED TO APPLICATION #: G-15567** 

INVOICE #: 123614

Thank you,

Nirvana



# EGON WATER RESOURCES DEPAR ENT CERT FICATE REIMBURSEMENT AUTHORITY ESTIMATE APPLICATION

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. A separate estimate application is required for each application and/or transfer number. There is a non-refundable application fee of \$125.00 per request.

REQUEST	TYPE	FILE NUMBER	
×	Certificate Request	Application Number Permit Number Transfer Number/Permit Amendment (if applicable)	G-15567 G-15646

	Applicant Information	Applicant's Representative/Contact
Name:	Ray Neuschwander and Ray Gannon	Pacific Hydro-Geology Inc./Greg Kupillas
Address:	6097 S Whiskey Hill Rd/2591 Brook Lake Rd NE	18487 S Valley Vista Rd
	Hubbard, OR 97032/Salem, OR 97303	Mulino, OR 97042
Phone:	503.320.7502/503.390.2512	503.939.3167
Fax:		
E-Mail Address:	ray.nnlc@gmail.com/ray@willamettetree.com	phggek@bctonline.com

I certify that I (check one):

have previously filed a Claim of Beneficial Use

am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of \$ 125.00, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.
- Send completed Application and payment to:

Oregon Water Resources Department Certificate Reimbursement Authority Program 725 Summer St. NE, Suite A Salem, OR 97301-1271

RECEIVED

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Applicant Applicant's Representative Other (Please specify)

JUN 05 2017

Name: Gregory E. Kupillas

Signature:

OWRD USE ONLY: Reimbursement Authority Number: R12 489 17 47124

# REIMBURSEMENT AUTHORITY PERMIT APPLICATION G-15567 PERMIT G-15646

**Certificate 93512 issued 12-22-17** 



Providing our customers with prompt service and high-quality products at competitive prices.



#### **ABOUT US**

Our company specializes in container, field grown B&B, and bare root shade, flowering, and coniferous evergreen trees. We have a large selection of products to chose from; which can I viewed in our availability list or if you come in to our Brooks, OR location. Proudly serving the landscape and re-wholesale trade for more than 30 years growing, harvesting, and shipping

#### **WHAT WE OFFER**

#### **CONTACT INFORMATION**

**LOCATIONS** 

Office: 3491 Brooklake Road, NE Salem, OR 97303

Shipping Address: 3270 Brooklake Road, NE Salem, OR 97303

Off I-5 and head 1 mile
West. We're on the right
side of the road.

**CALL US** 

Phone: 503-390-2512

Fax: 503-393-3817

**EMAIL** 

Info@willamettetree.co Ray@willamettetree.co

Jorge@willamettetree.co

Theme: Sensible by modernthemes.net



#### **Business Name Search**

New Search	<b>Printer Friendly</b>	Business Entity Data
------------	-------------------------	----------------------

03-14-2018 16:52

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?			
163266-88	DBC	ACT	OREGON	07-24-1989	07-24-2018				
Entity Name WILLAMETTE TREE WHOLESALE, INC.									
Foreign Name		10							

# New Search Printer Friendly Associated Names

Туре	PPB PRING BUSIN		LACE OF	
Addr 1	3491 BROC	KLAKI	E RD NE	
Addr 2				
CSZ	SALEM	OR	97303	Country UNITED STATES OF AMERICA

Please click here for general information about registered agents and service of process.

Type	AGTREGISTERED AGENT				Start Date	06-28-1991	Resign Date
Name	RAY L GANNON						
Addr 1	5244 SE CAST	LE F	ROCK	CT			
Addr 2							
CSZ	MILWAUKIE	OR	9726	7	Country	UNITED STA	TES OF AMERICA

Type	MAL MAIL	ING AL	DRESS					
Addr 1	3491 BROOKLAKE RD NE							
Addr 2								
CSZ	SALEM	OR	97303	Country UNITED STATES OF AMERICA				

Туре	PRE PRESI	DENT			Resign Date	
Name	RAY	GANNON				
Addr 1	3491 BROOKLAKE RD NE					
Addr 2					4.0	
CSZ	SALEM	OR 973	03	Coun	ntry UNITED STATES OF AMERICA	

Туре	SEC SECRI	SEC SECRETARY				SEC SECRETARY Re					
Name	MAGGIE GANNON										
Addr 1	3491 BROC	3491 BROOKLAKE RD NE				MANUAL PROPERTY OF THE PROPERT					
Addr 2											
CSZ	SALEM	OR	97303	Cou	ntry	UNITED STATES OF AMERICA					

New Search Printer Friendly Name History

Business Entity Name	Name Type	<u>Name</u> Status	Start Date	End Date
WILLAMETTE TREE WHOLESALE, INC.	EN	CUR	07-24-1989	

# Please <u>read</u> before ordering <u>Copies</u>.

New Search Printer Friendly Summary History

Image Available	Action	Transaction Date	Effective Date	<u>Status</u>	Name/Agent Change	Dissolved By
	AMNDMT TO ANNUAL RPT/INFO STATEMENT	02-26-2018		FI		
	AMENDED ANNUAL REPORT	07-05-2017		FI		
	AMENDED ANNUAL REPORT	06-15-2016		FI		
	AMENDED ANNUAL REPORT	06-12-2015		FI		
	AMENDED ANNUAL REPORT	07-07-2014		FI		
	ANNUAL REPORT PAYMENT	07-03-2013		SYS		
	ANNUAL REPORT PAYMENT	07-13-2012		SYS		
	ANNUAL REPORT PAYMENT	07-20-2011		SYS		
	ANNUAL REPORT PAYMENT	08-18-2010		SYS		
	NOTICE LATE ANNUAL	07-30-2010		SYS		
	ANNUAL REPORT PAYMENT	07-23-2009		SYS		
A Control	ANNUAL REPORT PAYMENT	07-21-2008	1	SYS		

NEUSCHWANNER W GIRIVING

Completion Checklist for Claims of Beneficial Use for POST III.Y 1, 2004 Claims

	1, 2004 Claims
Amiliation # 6 10012 / Revent	WDD Daviewer k
Application # 9-15567/9-15746	WRD Reviewer Kany Karang 2
Transfer #	Claim Logged
Date Received 9-19 -2017	Oversized Map # M
CWRE Name Greg Kupillas PK:	Jessica Joyc 11/14/17
Map Review:  Map on polyester film (OAR 690-014-0170(1) & 310-05 Application & permit #; or transfer # (OAR 690-014-01) Disclaimer (OAR 690-014-0170(5)) North arrow (OAR 690-310-0050(2)(c)) CWRE stamp and signature (OAR 690-014 & 310-005) Appropriate scaled (1" = 1320-1" = 400', or the original Township, range, section, and tax lot numbers (OAR 690-014-0170) Point(s) of diversion or appropriation (filustrated) (OAR 690-014(s)) of diversion or appropriation (coordinates) (OAR 690-014(s)) of diversion or appropriation (coordinates) (OAR 690-014-0170) Point(s) of diversion or appropriation (coordinates) (OAR 690-014-0170) Point(s) of diversion or appropriation (coordinates) (OAR 690-014-0170) Place of use (1/4 1/4, or projected 1/4 1/4 lines within 1 if for domestic or human consumption, location of dw 6010)  Report Review:  On form or format provided by the Department (OAR 690-014) Ownership information (OAR 690-014)  Date of survey (OAR 690-014)  Person interviewed (OAR 690-014)  Description of conveyances system (from POD to POU Source(s) of water (OAR 690-014-0100)  Place of use location (OAR 690-014-0100)  Place of use location (OAR 690-014-0100)  Extent of use (OAR 690-014-0100)  Rate and Duty (OAR 690-014-0100)  Application approach as the conveyance of the conveyan	1.60 (CFS, being 1.114 CFS framwell)  20-310-0050(4))  20-310-0050(4))  20-310-0050(4))  20-310-0050(3)  20-
Conditions from Extension Final Order and/or Water	Management Conservation Plan Fo approved ext or
_ C duty arrended to 1	Management Conservation Plan Fo approved ext on 5-11-201
sky submit progress Report Fon	Management Conservation Plan Paper April 20 - 1 - 20 1 Egy 10 - 1 - 20 1 3 - Corbin nice serve as ultimate fragress Report Corbin nice serve as ultimate fragress Report Corbin graph milked after 10 - 1 - 20 1 3
CWRE stamp and signature (OAR 690-014-0100)	- with mel serve as the man combined
Signature(s) of permittee of transfer holder (OAR 690	-014-0100) (am none 10-1-2013

DEF = deficient N/A = Not Applicable

Check Area of Interest	- Glot	fap and COBU review Conflict check Any Conflict check for ownership	wed 🔥				
Proof to the Satisfaction has been established to the full extent as described in the permit or transfer order.  Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows:  Line 4 from and well as Assented in Front described in the permit or transfer order and the right should be limited as follows:  Proof to the Satisfaction has not been established to the full extent as described in the permit or transfer order and the right should be limited as follows:  Proposed Actions:  Send letter requesting the following items/information:  Send letter requesting the following items/information:  Send letter recommending extension to cure deficiencies:  Proposed  If "Yes":  Proposed  Final Certificate #  Mailing list:  Proposed:  Final:  Proposed:  Final:  Anth Allowed Allowed Carried by well  Claured Auth Fate Charled by well  Claured Auth Fate Carried by well  Claured Auth Fate Carried by Well  Claured Fate Ca	Check A	rea of Interest 🗆	YES ON	0	ollowed profit		
Proof to the Satisfaction has been not been established to the full extent as described in the permit or transfer order and the right should be limited as follows:    Proof to the Satisfaction has not been established for the following reasons:   Proposed Actions:	Staff R	Recommendation	ns:				
transfer order and the right should be limited as follows: ferm agree herotopics of the Satisfaction has not been established for the following reasons:  Proposed Actions: Send letter requesting the following items/information: Send letter recommending extension to cure deficiencies:  Can certificate be processed further?  Yes  If "Yes": Proposed Final Certificate #  Mailing list:  Proposed:  Final: Claured Aut. Pate Allowed Late by well  O. 70 cfs 1.114 0.70 54.8 ac  Well 2 Cure 1.11 0.490 0.490 97.4 ac  First Cfs			Satisfaction has b	been established to the f	ull extent as described i	n the permit or	transfer
Send letter requesting the following items/information: Send letter recommending extension to cure deficiencies:  Can certificate be processed further? Yes  If "Yes": Proposed Final Certificate #  Mailing list:  Proposed:  Final: Claured Rute Rate Rate Rate Gauned bay well CLAC 1849  O. 70 CFS 1.114  O. 70  CFS  CFS  CFS  CFS  CFS  Termit ruth POTAT:  1.81  1.604  1.190  1.52.2 ac [Remit ruth No. 240 o. 152.2 ac [Remit ruth No. 240 o. 154.0 ac [Remit ruth No. 240 o. 152.2 ac [Remit ruth No. 240 o. 154.0 ac [Remit ruth No. 240 o. 152.2 ac [Remit ruth No. 240 o. 154.0 ac [Remit ruth No. 240 o. 152.2 ac [Remit ruth No. 240 o. 154.0 ac [Remit ruth]		transfer order Proof to the S	and the right she from Satisfaction has r	ould be limited as follo	ws: fever ago	mit-br	permit or
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Mailing list:  Proposed:  Final:  Cloured Rute Rate Rate Rate Charmed Lawred Rute Parte Carried By Well  CLAC 1974 0.70 CFS 1.114 0.70 54.8 ac  Well 2 CLAC CFS CFS CFS CFS TARE  FOTAL:  1.11 0.490 0.490 97.4ac  FOTAL:  1.81 1.604 1.190 152.2ac Report ruth  NOL on 174.09	Can certi	Yes					
Proposed:  Final: by Permit -> prop. cert   # acres   claumed   Anth Allowed   Rate   Rate   Rate   by well    Well   0.70 cfs   1.114   0.70   54.8 ac    CLAC 1970   CLAC 1970   CLAC 1987   CFS   C			Final	Certificate #	<u>, 15</u> 1		
Final:   Sy Permit   Sprop. cert   # acres   Claumed Rate Rate   Allowed   Claumed   by Well	Mailing	list:					
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Well   0.70 cfs   1.114   0.70   54.8 au  Well 2   0.490   0.490   97.4 ac  Sizet   Cfs   Cfs   Cfs   t    TOTAL:   1.81   1.604   1.190   152.2 ac   Not on 174.09		Final: Cloumed Rate	Anthe Rate	Allowed Rate	clarmed		
1.81 1.604 1.190 152.2 ac [Not on 174.09]	Well   CLAC 1274	0 70 CFS	1.114				
	Well 2 CLAC 51287		0.490 CFS		97.4ac		
The state of the s	tolk:	1.81 CF3	1.604 CFS	1.190 CFS	152.2a	c [Not on	nuth 174.09 ac

Ferrewed by GC.

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

RAYMON NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

confirms the right to the use of water perfected under the terms of Permit G-15646. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE ON 152.2 ACRES, BEING 54.8 ACRES FROM WELL 1 AND 97.4 ACRES FROM

WELL 2

MAXIMUM RATE: 1.19 CUBIC FEET PER SECOND (CFS), BEING FURTHER LIMITED TO 0.70 CFS FROM WELL 1 AND 0.49 CFS FROM WELL 2, NOT TO EXCEED MAXIMUM CUMULATIVE TOATL OF 1.19 CFS

PERIOD OF USE: YEAR-ROUND
DATE OF PRIORITY: JULY 25, 2001

#### The wells are located as follows:

110 110		ooutou i	ab IOIIC	110.		
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
4 S	1 E	WM	32	SE NE	4	WELL 1 - 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32
4 S	1 E	WM	32	SE NW	2	WELL 2 - 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

#### NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

A description of the place of use is as follows:

4 S         1 E         WM         32         SW NE         3         2.7         2         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NE         4         25.2         1         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NW         2         3.9         2///>						-		(1)					
4 S         1 E         WM         32         SW NE         3         26.5         1         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SW NE         3         2.7         2         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NE         4         25.2         1         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NW         2         3.9         2         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NW         2         14.4         2         Ray Gannon         4 1E 32         9           4 S         1 E         WM         32         NE SW         4.3         A         Ray Gannon         4 1E 32         9           4 S         1 E         WM         32         NE SW         18.7         2         Ray Gannon         4 1E 32         9           4 S         1 E         WM         32         NW SE         3.1         1         Ray Neuschwander         4 1E 32         9           4 S <td></td> <td></td> <td colspan="4">Supplemental In</td> <td colspan="6">Ray - WILLEX</td> <td></td>			Supplemental In				Ray - WILLEX						
4 S         1 E         WM         32         SW NE         3         2.7         2         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NE         4         25.2         1         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         SE NW         2         3.9         2///>	ax Lot No.	o. Tax	Map	er	Own	Well	Acres	GLot	Q-Q	Sec	Mer	Rng	Twp
4 S         1 E         WM         32         SE NE         4         25.2         1         Ray Neuschwander         4 H 32         9           4 S         1 E         WM         32         SE NW         2         3.9         2         Ray Neuschwander         4 H 32         9           4 S         1 E         WM         32         SE NW         2         14.4         1         Ray Gannon         4 H 32         9           4 S         1 E         WM         32         NE SW         4.3         2         Ray Gannon         4 H 32         9           4 S         1 E         WM         32         NE SW         18.7         2         Ray Gannon         4 H 32         9           4 S         1 E         WM         32         NW SE         3.1         1         Ray Neuschwander         4 H 32         9           4 S         1 E         WM         32         NW SE         3.1         1         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         NW SE         21.8         2         Ray Neuschwander         4 1E 32         9	<b>&amp; 9</b> 02	2 990 &	4 1E 32	wander	Ray Neusc	1	26.5	3	SW NE	32	WM	1 E	4 S
4 S       1 E       WM       32       SE NW       2       3.9       2       Ray Neuschwander       4 1E 32       9         4 S       1 E       WM       32       SE NW       2       14.4       2       Ray Gannon       4 1E 32       9         4 S       1 E       WM       32       NE SW       4.3       2       Ray Neuschwander       4 1E 32       9         4 S       1 E       WM       32       NE SW       18.7       2       Ray Gannon       4 1E 32       9         4 S       1 E       WM       32       NW SE       3.1       1       Ray Neuschwander       4 1E 32       9         4 S       1 E       WM       32       NW SE       21.8       2       Ray Neuschwander       4 1E 32       9		900	4 1E 32	hwander	Ray Neusc	2 /	2.7	3	SW NE	32	WM	1 E	4 S
4 S     1 E     WM     32     SE NW     2     14.4     4     Ray Gannon     4 1E 32     9       4 S     1 E     WM     32     NE SW     4.3     2     Ray Neuschwander     4 1E 32     9       4 S     1 E     WM     32     NE SW     18.7     2     Ray Gannon     4 1E 32     9       4 S     1 E     WM     32     NW SE     3.1     1     Ray Neuschwander     4 1E 32     9       4 S     1 E     WM     32     NW SE     21.8     2     Ray Neuschwander     4 1E 32     9	, 9 <b>0</b> 3, & 904	902, 90	<b>111</b> 3	hwander	Ray Neusc	1/	25.2	4	SE NE	32	WM	1 E	4 S
4 S       1 E       WM       32       NE SW       4.3       A       Ray Neuschwander       4 1E 32       9         4 S       1 E       WM       32       NE SW       18.7       2       Ray Gannon       4 1E 32       9         4 S       1 E       WM       32       NW SE       3.1       1       Ray Neuschwander       4 1E 32       9         4 S       1 E       WM       32       NW SE       21.8       2       Ray Neuschwander       4 1E 32       9		2 900	A 11 3	hwander	Ray Neusc	2/	3.9	2	SE NW	32	WM	1 E	4 S
4 S     1 E     WM     32     NE SW     18.7     2     Ray Gannon     4 1E 32     9       4 S     1 E     WM     32     NW SE     3.1     1     Ray Neuschwander     4 1E 32     9       4 S     1 E     WM     32     NW SE     21.8     2     Ray Neuschwander     4 1E 32     9		905	4 1E 32	on /	Ray Ganne	¥	14.4	2	SE NW	32	WM	1 E	4 S
4 S         1 E         WM         32         NW SE         3.1         1         Ray Neuschwander         4 1E 32         9           4 S         1 E         WM         32         NW SE         21.8         2         Ray Neuschwander         4 1E 32         9		2 900	4 1E 32	hwander	Ray Neuso	<i>[</i> 2]	4.3		NE SW	32	WM	1 E	4 S
4 S 1 E WM 32 NW SE 21.8 2 Ray Neuschwander 4 1E 32 9		2 905				2	18.7		NE SW	32	WM	1 E	4 S
		2 900	4 1E 32	hwander	Ray Newsc	1	3.1		NW SE	32	WM	1 E	4 S
	& 1401	2 900 &	4 1E 32	hwander	Ray Neusc	2	21.8		NW SE	32	WM	1 E	4 S
4 S   1 E   WM   32   SW SE     31.6   2   Ray Neuschwander   4 1E \$2   1	1	2 1401	4 1E 3	hwander	Ray Neusc	2	31.6		SW SE	32	WM	1 E	4 S
TOTAL 152.2				100	- A	1	152.2	TOTAL	,				

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device approved by the Director in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

PRay venschwarten well # 1

Ray Ven
Weell # 2

Application G-15567.ra.klk

Page 2 of 3

Certificate \*\*\*\*\*

Looks good!

Peur revened by Jossica Jane

STATE OF OREGON

#### **COUNTY OF CLACKAMAS**

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

RAYMON NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032

RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

confirms the right to the use of water perfected under the terms of Permit G-15646. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE ON 152.2 ACRES, BEING 54.8 ACRES FROM WELL 1 AND 97.4 ACRES FROM WELL 2

MAXIMUM RATE: 1.19 CUBIC FEET PER SECOND (CFS), BEING FURTHER LIMITED TO 0.70 CFS FROM WELL 1 AND 0.496 CFS FROM WELL 2, NOT TO EXCEED MAXIMUM CUMULATIVE TOTAL OF 1.19 CFS

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: JULY 25, 2001

The wells are located as follows:

THE WEI	is are i	ocalcu a	as rono	ws.	Killing:	
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
4 S	1 E	WM	32	SE NE	4/	WELL 1 - 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32
4 S	1 E	WM	32	SE NW	2 🗸	WELL 2 - 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre-feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one-fortieth of one cubic foot per second and 5.0 acre-feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one-eightieth of one cubic foot per second and 2.5 acre-feet per acre per year. The use of water for nursery use may be made any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one-eightieth of one cubic foot per second and 2.5 acre-feet per acre during the irrigation season of each year.

#### NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

real services

A description of the place of use is as follows:

٠	1 00001	.p	p.						
	Twp	Rng	Mer	Sec	Q-Q	GLot	Acres	Well	Owner
	4 S	1 E	WM	32	SW NE	3 V	26.5	1 🗸	RAY NEUSCHWANDER
	4 S	1 E	WM	32	SW NE	3 V	2.7	2 🗸	RAY NEUSCHWANDER
	4 S	1 E	WM	32	SE NE 💆	4 🗸	25.2	1 🗸	RAY NEUSCHWANDER
	4 S	1 E	WM	32	SE NW	2 🗸	3.9	2 🗸	RAY NEUSCHWANDER
	4 S	1 E	WM	32	SE NW 1	2 🗸	14.4 🗸	2 🗸	RAY GANNON
	4 S	1 E	WM	32	NE SW		4.3 🗸	2 🗸	RAY NEUSCHWANDER
	4 S	1 E	WM	32	NE SW		18.7 🗸	21	RAY GANNON 🗸
	4 S	1 E	WM	32	NW SE▶		3.1	1 ~	RAY NEUSCHWANDER
	4 S	1 E	WM	32	NW SE∕		21.8	2 V	RAY NEUSCHWANDER
	4 S	1 E	WM	32	SW SE✓		31.6	/2 V	RAY NEUSCHWANDER
					-	ΓΟΤΑL	152.2	100	

9 Fraybe designate tax lots? Owners change more frequently tha tax lots across covers more than one tox/ot

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device approved by the Director in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to the agreement.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

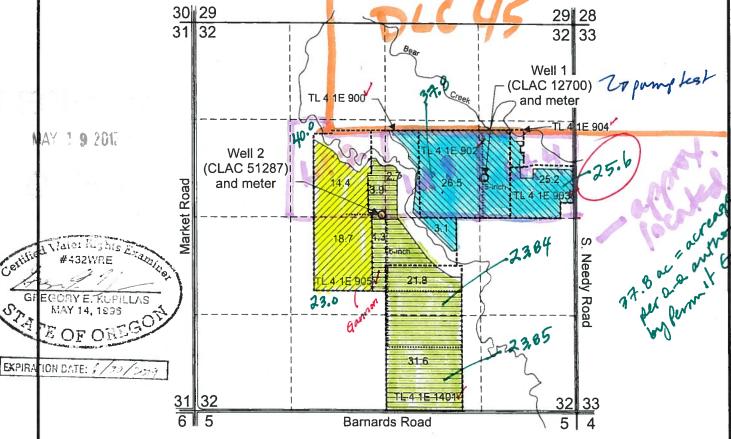
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The right to the use of the water for the above purpose is restricted to beneficial use on the place of use described.

Dwight French Water Right Services Division Administrator, for Thomas M. Byler, Director Oregon Water Resources Department





Well 1 (CLAC 12700) and meter are located 550 feet north and 1,250 feet west from the east 1/4 corner, Section 32.

Well 2 (CLAC 51287) and meter are located 50 feet north and 50 feet west from the center 1/4 corner, Section 32.

Area (54.8 acres) irrigated with Well 1 (CLAC 12700) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.

Area (64.3 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.

Area (33.1 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Gannon.

----- Tax lot boundary

----- 5-inch and 6-inch Mainline

Scale: 1" = 1,320'

0 1,320

Feet

This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map Application G-15567, Permit G-15646

Pacific Hydro-Geology Inc.

Ray Neuschwander and Ray Gannon T4.S. R.1E. Section 32, W.M.

Veuschwander\_Gannon.cdi

bgp - 2016

#### STATE OF OREGON

#### **COUNTY OF CLACKAMAS**

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

JOEL NEUSCHWANDER & LEO GENTRY 6097 S WHISKEY HILL RD HUBBARD, OREGON 97032

The specific limits and conditions of the use are listed below.

**APPLICATION FILE NUMBER: G-15567** 

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE OF 174.09 ACRES.

MAXIMUM RATE: 1.604 CUBIC FEET PER SECOND, BEING 1.114 CFS FROM WELL 1 AND 0.490 CFS FROM WELL 2

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: July 25, 2001

WELL LOCATIONS:

Well 1: SENE, SECTION \$2, T 4S, R1E, W.M.

550 FEET NORTH & 1250 FEET WEST FROM E1/4 CORNER, SECTION 32

Well 2: SENW, SECTION 32, T.45, REE, W.M.;

50 FEET NORTH & SO FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

Application G-15567

Water Resources Department

**PERMIT G-15646** 

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW % NE % 37.8 ACRES
SE % NE % 25.6 ACRES
SE % NW % 40.0 ACRES
NE % SW % 23.0 ACRES
NW % SE % 23.84 ACRES
SW % SE % 23.85 ACRES
SECTION 32
TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

## Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

#### STANDARD CONDITIONS

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water

Application G-15567

Water Resources Department

**PERMIT G-15646** 

level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued January 5

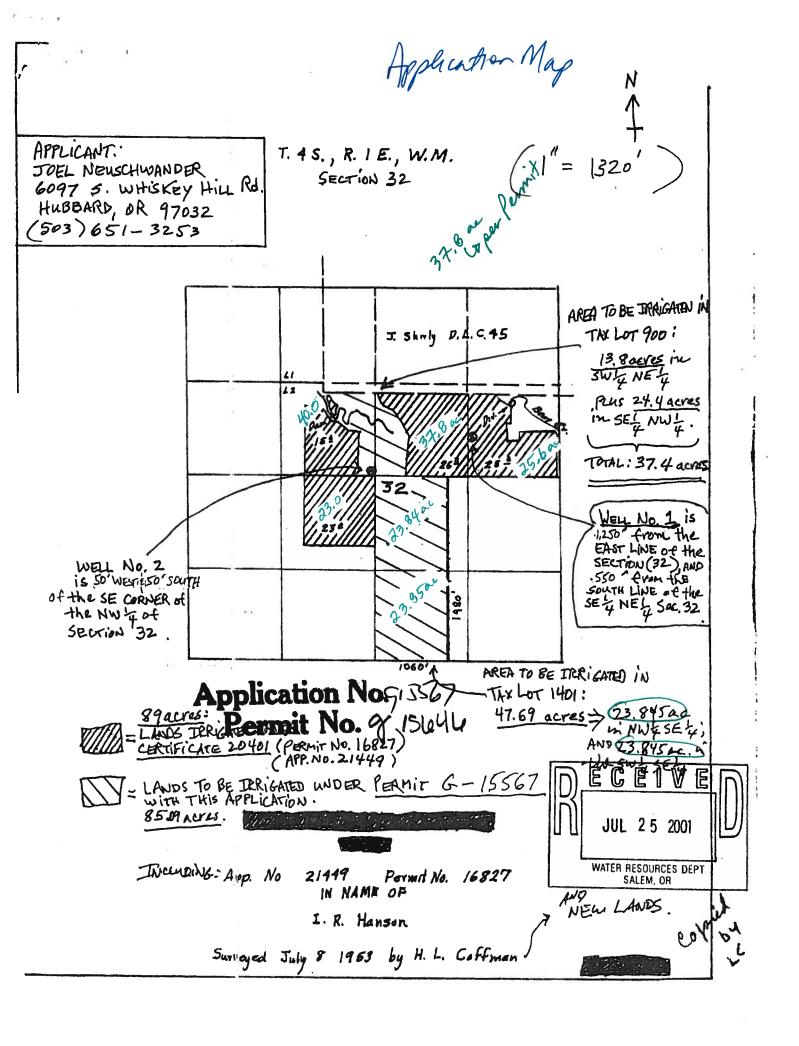
Phillip Ward, Acting Director Water Resources Department

65

Application G-15567 Water Resources Department
Basin 14 VOLUME 15A BEAR CREEK
GAINEY

PERMIT G-15646 District 17

IT.



GENW 86-17 SENE EFU 1507 65 55 Ac 7289 swse

## **KAVANAGH Kerry L\* WRD**

From:

Sent:

Monday, November 06, 2017 4:37 PM

To:

KAVANAGH Kerry L \* WRD

Subject:

Re: property in Clackamas County - Section 32, T4S, R1E, W.M.

Map#	Owner	Owner #2	Mailing address
4 1E	NEUSCHWAANDED CAROLVALD	NEUSCHWANDER A	A JOEL NEUSCHWANDER, 6097 S WHISKE
32 00900	NEUSCHWANDER CAROLYN R	JOEL	97032
4 1E	NEUCCHNAMEDED CAROLVALD	NEUSCHWANDER A	A JOEL NEUSCHWANDER, 6097 S WHISKE
32 00902	NEUSCHWANDER CAROLYN R	JOEL	97032
4 1E	NEUCCHNA/ANDED DAVAGON		2020F CNIFFDY DD CANDY OD 07012
32 00903 🗸	NEUSCHWANDER RAYMON J		29385 S NEEDY RD, CANBY, OR 97013
4 1E	NEUSCHWANDER CAROLYN R	NEUSCHWANDER A	A JOEL NEUSCHWANDER, 6097 S WHISKE
32 00904 🗸	NEUSCHWANDER CAROLYN R	JOEL	97032
4 1E ,	GANNON RAYMOND &		12000 CE 120TH AVE CLACKANAAC OD 0
32 00905 🗸	MARGUERITE		13989 SE 139TH AVE, CLACKAMAS, OR 9
4 1E	NEUCCHIA/ANDED CAROLVALD	NEUSCHWANDER A	A JOEL NEUSCHWANDER, 6097 S WHISKE
32 01401	NEUSCHWANDER CAROLYN R	JOEL	97032

Clackamas County Dept. of Assessment & Taxation/SB

Phone: 503.655.8671 Fax: 503.655.8313 propertytaxinfo@co.clackamas.or.us

150 Beavercreek Road Oregon City, OR 97045

In keeping with the County's sustainability goals, the County Assessor and Tax Collector's office is open Monday thru Thursday, from 7:00 am to 6:00 pm, and is closed on Friday.

From: KAVANAGH Kerry L \* WRD < Kerry.L.Kavanagh@oregon.gov>

Sent: Monday, November 6, 2017 1:13 PM

To: Property Tax Information

Cc: KAVANAGH Kerry L

Subject: property in Clackamas County - Section 32, T4S, R1E, W.M.

Hello,

I am preparing a certificate of water right. I need to confirm the current ownership of lands involved in the water right.

Please provide the name and mailing address for the following parcels:

4 1E 32 00900

4 1E 32 00902

4 1E 32 00903

4 1E 32 00904

4 1E 32 00905

4 1E 32 01401

#### Thanks in advance for your assistance!

Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

# **KAVANAGH Kerry L\*WRD**

From:

KAVANAGH Kerry L \* WRD < Kerry.L.Kavanagh@oregon.gov>

Sent:

Monday, November 06, 2017 1:13 PM

To:

propertytaxinfo@clackamas.us

Cc:

KAVANAGH Kerry L

**Subject:** 

property in Clackamas County - Section 32, T4S, R1E, W.M.

Hello,

I am preparing a certificate of water right. I need to confirm the current ownership of lands involved in the water right.

Please provide the name and mailing address for the following parcels:

4 1E 32 00900

4 1E 32 00902

4 1E 32 00903

4 1E 32 00904

4 1E 32 00905

4 1E 32 01401

Thanks in advance for your assistance!

Kerry

Kerry | Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

# RA Mailing List for Certificate

# Scheduled Mailing Date:

Application: G-15567

**Permit: G-15646** 

Certificate: PROPOSED

Copies Mailed
by: \_\_\_\_\_\_(STAFF)
on: \_\_\_\_\_(DATE)

Water Right Holders:

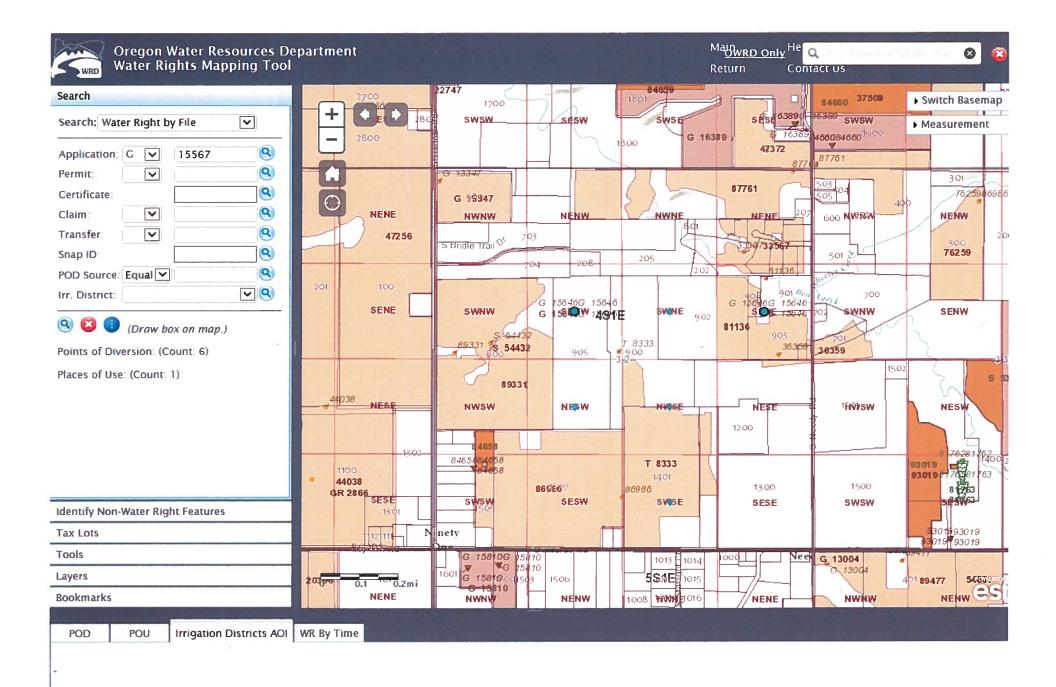
RAYMON NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

Copies of Final Certificate to be sent to:

- 1. Watermaster District 16 (include copy of map)
- 2. Water Availability
- 3. Vault
- 4. File

Other persons to receive copies: (include map):

1. Greg Kupillas, CWRE



ermit: G 15646 \*



Permit: G 15646 \*

Main @ Help

> Contact Us Return

**Contact Information** 

(Click to Collapse...)

Workflow (Click to Collapse...)

#### ▼ Current contact information

OWNER: LEO GENTRY 6097 S WHISKEY HILL RD HUBBARD, OR 97032

OWNER:

RAY GANNON 2591 BROOKLAKE RD NE SALEM, OR 97303

RAYMOND NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD, 97032

#### Prior contact information

OWNER:

JOEL NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD, OR 97032

#### Water Right Information (Click to Collapse...)

Status: Non-Cancelled County: Clackamas

File Folder Location: Salem Watermaster District: 16

Application: G 15567

▶ Received: 7/25/2001

		Application	1 Workflow	
	Action	Date	Result	Completed By
	Application Filed	7/25/2001		JERRY GAINEY
	Initial Review	2/1/2002	Propose to Deny	JERRY GAINEY
<b>b</b>	IR Comment Period	2/19/2002		JERRY GAINEY
٠	Proposed Final Order	4/9/2002	Propose to Deny	JERRY GAINEY
	PFO Protest Period	5/24/2002		
	Final Order	3/6/2003	Denied	JERRY GAINEY
	Final Order	1/5/2005	Issued	JERRY GAINEY
	Permit Issued	1/5/2005	Issued	JERRY GAINEY

#### ▼ Permit: G 15646 document , paper map

▶ Signature: 1/5/2005

	Permi	t Workflov	v	
	Action	Date	Result	Completed By
	Completion Date [C Date]	10/1/2008		
	Extension Application Received	6/30/2009		SCOTT KUDLEMYER
ь	Extension Comment Period Ends	7/7/2009		SCOTT KUDLEMYER
•	Extension PFO 315 Issued	3/23/2010	Propose to Approve	SCOTT KUDLEMYER
	Extension PFO Protest Period Ends	5/7/2010		SCOTT KUDLEMYER
	Extension FO Issued	5/11/2010	Extended	SCOTT KUDLEMYER
	Extended Completion Date [Extension C Date]	10/1/2015		SCOTT KUDLEMYER
	CBU Received	5/19/2017		GREGORY KUPILLAS

- View right with Web Mapping
- View Places of Use from Water Rights in the Same Area
- View Reported Water Use

#### **Scanned Documents**

(Click to Collapse...)

#### Records per page: 8

<b>Document Type</b>	<b>Document Title</b>	Date	Remarks
Review - Watermaster/Application	WM 16 REVIEW	2/26/2002	
Permit	Permit G15646 Map Image	1/5/2005	
Permit	Permit G15646 Image	1/5/2005	
Order - Extension of Time	Extension of Time	5/11/2010	
Request for Assignment	Request for Assignment	10/3/2016	
Assignment Confirmation	Assignment Confirmation	10/6/2016	
Request for Assignment	Request for Assignment	5/11/2017	
Assignment Confirmation	Assignment Confirmation	5/16/2017	

#### Point(s) of Diversion

(Click to Collapse...)

#### ▼ POD 1 - A WELL > BEAR CREEK

- ▼ Description
  - Name: WELL 1
  - FT-R-S-QQ: 4.00S-1.00E-32-SE NE
  - Location Description: 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32

#### ▼ POD Rate

Max Rate (cfs) Rate (cfs) Max Volume (af) Volume (af) 1.114 1.114

▼ NURSERY USES (Primary)

	<b>Priority Date</b>	Max Rate (cfs)	Rate (cfs)	Max Volume (af)	Volume (af)	Elevation (ft)	Rate/Acre	Duty	Start Date	End Date	Remarks
	7/25/2001	1.114	0.371(est)				1/40	5.00000	1/1	12/31	CONTAINERIZED
•	7/25/2001	1.114	0.371(est)				1/80	2.50000	1/1	12/31	IN GROUND
	7/25/2001	1.114	0.371(est)				1/80	2.50000	1/1	12/31	ANY OTHER CROP

#### ▼ POD 2 - A WELL > BEAR CREEK

- **▼** Description
  - Name: WELL 2
  - ▶ T-R-S-QQ: 4.00S-1.00E-32-SE NW
  - ▶ Location Description: 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

▼ POD Rate

 Max Rate (cfs)
 Rate (cfs)
 Max Volume (af)
 Volume (af)

 0.49
 0.49
 Volume (af)
 Volume (af)

▼ NURSERY USES (Primary)

	Priority Date	Max Rate (cfs)	Rate (cfs)	Max Volume (af)	Volume (af)	Elevation (ft)	Rate/Acre	Duty	Start Date	<b>End Date</b>	Remarks
	7/25/2001	0.49	0.163(est)				1/40	5.00000	1/1	12/31	CONTAINERIZED
,	7/25/2001	0.49	0.163(est)				1/80	2.50000	1/1	12/31	IN GROUND
	7/25/2001	0.49	0.163(est)				1/80	2.50000	1/1	12/31	ANY OHTER CROP

Place(s) of Use

(Click to Collapse...)

Add TRS grouping

♥ Use - NURSERY USES

(Primary) - 174.09 acres; Priority Date: 7/25/2001

	T-R-S	QQ	DLC	Gov't Lot	Taxlot	Acres	Status	Linked PODs	Inchoate Info	Remarks
	4.00S-1.00E-32	SW NE				37.8	NC			
	4.00S-1.00E-32	SE NE				25.6	NC			
	4.005-1.00E-32	SE NW				40.0	NC			
•	4.00S-1.00E-32	NE SW				23.0	NC			
	4.00S-1.00E-32	NW SE				23.84	NC			
	4.00S-1.00E-32	SW SE				23.85	NC			

Sum of Acres: 174.09

Water Right Genealogy (Click to Collapse...)

App; G 15567

Permit: G\_15846 \*

View Water Rights in same Family

Report Errors with Water Right Data

# **Pump Capacity Calculation Sheet**

using Department designed formula:

App G-15567, Permit G-15646

2 wells

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

#### Data Entry (fill in underlined blanks)

Well 1 (CLAC 12700)

$$\begin{array}{c} \text{HP} = & 30 \\ \text{Efficiency} = & 7.04 \\ \text{Lift} = & 75 \\ \text{PSI} = & 90 \end{array}$$

#### **Results Calculated**

(hp)(efficiency) =

211.2

Head based on psi =

228.6

Total dynamic head =

303.6

(head + lift)

Pump Capacity =

0.70 feet per second

# **Pump Capacity Calculation Sheet**

using Department designed formula:

App G-15567, Permit G-15646

2 wells

(hp)(efficiency) / (lift + psi head) = capacity in cfs

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

# Data Entry (fill in underlined blanks)

Well 2 (CLAC 51287)

#### **Results Calculated**

(hp)(efficiency) =

281.6

Head based on psi =

203.2

Total dynamic head =

251.2

(head + lift)

Pump Capacity =

1.12 feet per second

# **Big Gun Sprinkler Capacity Calculator**

# Well well 2

#### Data Entry (fill in underlined blanks)

Nozzle size = 1.1 inch Pressure = 80 PSI in decimals (e.g., 0.5, not 1/2)

#### Results calculated

Big gun capacity =

316 gpm, or

0.705 cfs

Note: For pressures of 100 psi or higher, this calculator will tend to yield results lower than the tables found in the CWRE manual. If this is the limiting factor when determining proof, refer to the CWRE manual tables.

at well ! **Sprinkler Capacity Calculator** Data Entry (fill in underlined blanks) of John Janes Nozzle size = 1/8 inch (type an apostrophe before the size) Pressure = 50 PSI Number of heads = Nozzle size = (type an apostrophe before the size) inch Pressure = 0 PSI Number of heads = Nozzle size = inch (type an apostrophe before the size) Pressure = PSI Number of heads =

#### Results calculated

Sprinkler group 1

Sprinkler group 2

Sprinkler group 3

(if applicable)

(if applicable)

Sprinkler group 1 capacity = Sprinkler group 2 capacity = Sprinkler group 3 capacity =	249.6 gpm, or 0 gpm, or 0 gpm, or	0.556 cfs 0.000 cfs 0.000 cfs
Total sprinkler capacity =	249.6 gpm, or	0.556 cfs

Note: If entered values return a result of 0 gpm or "#N/A", then the sprinkler capacity chart does not contain a rate for that nozzle size and PSI.

A rough alternate calculation can be made using this formula:

28.93 × (orifice size in decimal, squared) × (square root of pressure)

(Source: rainbird.com)

# Rainbird Nozzle Size Reference

Nozzle#	Size (in)
4	1/16
5	5/64
6	3/32
7	7/64
8	1/8
9	9/64
10	5/32
11	11/64
12	3/16
13	13/64
14	7/32
15	15/64
16	1/4
17	17/64
18	9/32
20	5/16
22	11/32
24	3/8
26	13/32
28	7/16
30	15/32
32	1/2
34	17/32
36	9/16
40	5/8
44	11/16

# **Sprinkler Capacity Calculator**

Data Entry (fill in underlined blanks)										
Sprinkler group 1	Nozzle size = 18 Pressure = 7 Number of heads = 7		(type an apostrophe before the size)							
Sprinkler group 2 (if applicable)	Nozzle size = Pressure = Number of heads =	inch 0 PSI	(type an apostrophe before the size)							
Sprinkler group 3 (if applicable)	Nozzle size = Pressure = Number of heads =	inch PSI	(type an apostrophe before the size)							
	Results calculated									
Sprinkler group 1 Sprinkler group 2 Sprinkler group 3 Total sprinkler ca	capacity = capacity =	0 gpm, or 0 gpm, or 0 gpm, or 0 gpm, or	0.000 cfs 0.000 cfs 0.000 cfs							

Note: If entered values return a result of 0 gpm or "#N/A", then the sprinkler capacity chart does not contain a rate for that nozzle size and PSI.

A rough alternate calculation can be made using this formula:

28.93 × (orifice size in decimal, squared) × (square root of pressure)

(Source: rainbird.com)

1/811=0.125

 $28.93 (0.125'')^2 \times \sqrt{70}$   $28.93 \times 0.015625 \times 8.3666 = 3.78$ 

# Rainbird Nozzle Size Reference

1 (0111101101101111	
Nozzle#	Size (in)
4	1/16
5	5/64
6	3/32
7	7/64
8	1/8
9	9/64
10	5/32
11	11/64
12	3/16
13	13/64
14	7/32
15	15/64
16	1/4
17	17/64
18	9/32
20	5/16
22	11/32
24	3/8
26	13/32
28	7/16
30	15/32
32	1/2
34	17/32
36	9/16
40	5/8
44	11/16

# **Sprinkler Capacity Calculator**

Data Entry (fill in underlined blanks)											
Sprinkler group 1	Nozzle size = Pressure = Number of heads =	1/8 inch 45 PSI 78	(type an apostrophe before the size)								
Sprinkler group 2 (if applicable)	Nozzle size = Pressure = Number of heads =	inch 0 PSI	(type an apostrophe before the size)								
Sprinkler group 3 (if applicable)	Nozzle size = Pressure = Number of heads =	inch PSI	(type an apostrophe before the size)								
	Results calculated										
Sprinkler group 1 Sprinkler group 2 Sprinkler group 3	capacity =	234 gpm, or 0 gpm, or 0 gpm, or	0.521 cfs 0.000 cfs 0.000 cfs								
Total sprinkler ca	apacity =	234 gpm, or	0.521 cfs								

Note: If entered values return a result of 0 gpm or "#N/A", then the sprinkler capacity chart does not contain a rate for that nozzle size and PSI.

A rough alternate calculation can be made using this formula:

28.93 × (orifice size in decimal, squared) × (square root of pressure)

(Source: rainbird.com)

# Rainbird Nozzle Size Reference

Nozzle#	Size (in)
4	1/16
5	5/64
6	3/32
7	7/64
8	1/8
9	9/64
10	5/32
11	11/64
12	3/16
13	13/64
14	7/32
15	15/64
16	1/4
17	17/64
18	9/32
20	5/16
22	11/32
24	3/8
26	13/32
28	7/16
30	15/32
32	1/2
34	17/32
36	9/16
40	5/8
44	11/16

# Oregon Water Resources Department Water Rights Division



Water Rights Application Number G-15567

# Final Order Extension of Time for Permit Number G-15646

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. A request for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either file for judicial review, or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

Application History

Permit G-15646 was issued by the Department on January 5, 2005. The permit called for complete application of water to beneficial use by October 1, 2008. On June 30, 2009 Joel Neuschwander and Leo Gentry submitted to the Department an Application for Extension of Time for Permit G-15646. In accordance with OAR 690-315-0050(2), on March 23, 2010 the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to October 1, 2015. The protest period closed May 7, 2010 in accordance with OAR 690-315-0060(1). No protest was filed.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

Page 1 of 1

#### CONDITIONS

## 1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2013. A form will be enclosed with your Final Order.

- (a) At each checkpoint, the permit holder shall submit and the Department shall review evidence of the permit holder's diligence towards completion of the project and compliance with terms and conditions of the permit and extension. If, after this review, the Department determines the permit holder has not been diligent in developing and perfecting the water use permit, or complied with all terms and conditions, the Department shall modify or further condition the permit or extension to ensure future compliance, or begin cancellation proceedings on the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410, or require submission of a final proof survey pursuant to ORS 537.250;
- (b) The Department shall provide notice of receipt of progress reports in its weekly notice and shall allow a 30 day comment period for each report. The Department shall provide notice of its determination to anyone who submitted comments.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.630, 539.010(5) and OAR 690-315-0040(2).

#### Order

The extension of time for Application G-15567, Permit G-15646, therefore, is approved subject to conditions contained herein. The deadline for applying water to full beneficial use is extended to October 1, 2015.

DATED: May 11, 2010

Dwight French, Administrator of

Water Rights and Adjudications

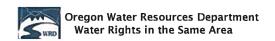
for Phillip C 3

Phillip C. Ward, Director Final Order: Permit G-15646

Page 2 of 3

If you have any questions about statements contained in this document, please contact Scott Kudlemyer at (503) 986-0813.

If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900



NOR

Main 🚱 Help

3 Return

■ Contact Us

# Places of Use from Water Rights in the Same Area

The following rights have acreage in the same quarter-quarter as Permit: G 15646 \*

Right	Name	Decree	Арр	Permit	Cert	Priority	Status	Use	T-R-S-QQ	DLC	Gov't Lot	Acres
INCHOATE: T 8333 CF (REG) *	RAYMON NEUSCHWANDER		G-5629	G-4921		9/23/1971	NC	IR	04,00S-01.00E-32-SWSE			25,4000
								IR	04.00S-01.00E-32-NWSE			19.0000
CERT:86986 RR CR *	TWIN CREEK FARMS		G-5629	G-4921	86986	9/23/1971	NC	IR	04.00S-01.00E-32-NWSE			2.2000
								IR	04.00S-01.00E-32-SWSE			2.4000
								IR	04.00S-01.00E-32-NESW			8.2000
CERT:89331 OR *	GARY POSTLEWAIT		G-13951	G-13012	89331	1/26/1995	NC	IR	04.00S-01,00E-32-NESW			7.8000
								IR	04.00S-01.00E-32-SENW		2	4.3000
APP: P 78128 *	A JOEL NEUSCHWANDER		P-78128			12/20/1994	NC	LV	04.00S-01.00E-32-NWSE			
PERMIT: R 14661 *	RAYMON NEUSCHWANDER		R-87242	R-14661		7/25/2008	NC	MP	04.00S-01.00E-32-SENW			
								MP	04.00S-01.00E-32-SWSE			
CERT:81136 RR *	1 HANSON		S-21449	S-16827	81136	3/4/1946	NC	IR	04.00S-01.00E-32-SENE		4	0.8900
CERT:33567 CF *	JOHN & EVELYN PATTERSON	1	S-25757	S-20153	33567	3/26/1951	NC	IR	04.00S-01.00E-32-SENE	45		1.5000

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	ATTENDED TO							

Township Nº 4 South, Range Nº I East of the Willamette Meridian. O. NA 4 1 10 1 1 2/30 25 45 45 45 Tacs +305 งจักร เมริกา ครั้งและด้วง では 13 th 7 4 ALC:NI 4700 12 Esta tera tera of a out of Surva e944 wint. -1-76-17.18.00 Seres Called 2003 Friday. 434 TAB WARN ACTOR SARTI +AX ~~.x A E ancon 6% 1% 46.00 James Steven Military Trojan Ma Assert Afte wat LP souther weres the NA. \$ 2.50 ونعها 4000 the whole and of claims in Bostonip hand Smitt Bosto Haul dark fill amount

# Water Use Report Based on Water Right



Permit: G 15646 \*
GENTRY, LEO 6097 S WHISKEY HILL RD HUBBARD, OR 97032

Records per page: 10

Acre-feet (AF) of Water Used

<u>Water</u> <u>Year*</u>	Report ID	Facility	Oct Nov	Dec Jai	<u>Feb</u>	Mar	<u>Apr</u>	May	<u>Jun</u>	<u>Jul</u>	Aug	<u>Sep</u>	Total Water Used	Irrigated Acres
2014	<u>63378</u>	WELL 1 (PROPOSED)					6.75	10.13	17.49	8.29	17.49	8.59	68.74	
2014	<u>63379</u>	WELL 2 (PROPOSED)					2.46	4.60	5.22	5.22	2.46		19.95	

<sup>\*</sup>The water year is named for the calendar year in which it ends. Example: the 2014 water year begins Oct. 1, 2013 and ends Sep. 30, 2014.

- Water use is reported by point of diversion (POD), rather than by water right.
- If a POD is shared with multiple water rights, it is not feasible to separate out the amount used under the water right being queried from water used by other rights using this same POD.
- Monthly amounts indicate:
  - o For diverted rights, the total amount diverted during the month;
  - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
- Water Use amounts have all been converted to "acre-feet" (AF), regardless of the original measurement unit reported. One AF is the volume of water that will cover an acre of ground one foot deep = 325,850 gallons.
- Zeroes indicate that a report was received, stating that no water was used during those months; if a year is not listed, no report of water use was
  received for that year.

# **Facility Water Use Report**



#### WELL 1 (PROPOSED) Report ID 63378

WELL 1;

550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32

(4S-1E-32-SE NE)

Permit: G 15646 \*

**JOEL NEUSCHWANDER** 

Records per page: 10

Acre-feet (AF) of Water Used

<u>Water</u> <u>Year*</u>	Method of Measurement	Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Total Water Used	Irrigated Acres
2014	FMT	6.75 10.13 17.49 8.29 17.49 8.59 68.74	

<sup>\*</sup>The water year is named for the calendar year in which it ends. Example: the 2014 water year begins Oct. 1, 2013 and ends Sep. 30, 2014.

#### Method(s) of Measurement:

FMT Flowmeter (recording monthly readings and then reporting the difference between one month's reading and the next)

- · Monthly amounts indicate:
  - o For diverted rights, the total amount diverted during the month;
  - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
- Water Use amounts have all been converted to "acre-feet" (AF), regardless of the original measurement unit reported. One AF is the volume of water that will cover an acre of ground one foot deep = 325,850 gallons.
- Zeroes indicate that a report was received, stating that no water was used during those months; if a year is not listed, no report of water use was
  received for that year.

## **Facility Water Use Report**



WELL 2 (PROPOSED) Report ID 63379

WELL 2; 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32 (4S-1E-32-SE NW) Permit: G 15646 \* JOEL NEUSCHWANDER

Records per page: 10

Acre-feet (AF) of Water Used

Water Year*	Method of Measurement	Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep	Total Water Used	Irrigated Acres
2014	FMT	2.46 4.60 5.22 5.22 2.46	19.95	

<sup>\*</sup>The water year is named for the calendar year in which it ends. Example: the 2014 water year begins Oct. 1, 2013 and ends Sep. 30, 2014.

## Method(s) of Measurement:

FMT Flowmeter (recording monthly readings and then reporting the difference between one month's reading and the next)

- Monthly amounts indicate:
  - o For diverted rights, the total amount diverted during the month;
  - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
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- Zeroes indicate that a report was received, stating that no water was used during those months; if a year is not listed, no report of water use was received for that year.

Application # G-15567

Permit # G-15646

Transfer #

Ray Neuschwander & Ray Gannon

RA# R12489-17

## Reimbursement Authority Process Itemized Estimate Sheet

## for Certificates

Certain	DEL TOD			,		
			Hourly		DAMPHOOD OF THE PROPERTY OF TH	
	Est. Time (hr)	Individual	Rate	Est. Cost	Date	Act. Time (hr)
Review Claim of Beneficial Use report and map	2.00	Kerry	\$95	\$189	1.5 0.25	/87
2. Conflict Check	0.50	Kerry	\$95	\$47	0.25 0.25	48
3. Prep of def. letter	0.50	Kerry	\$95	\$47	11-15 0.5 11-711-15	48
4. Preparation of proposed certificate -	2.00	Kerry	\$95	\$189	1.50.75	214
5a. Peer review	0.50	Gerry	\$95	\$48	11-15 0.25 12-22	24
5b. Peer review	0.20	Dwight	\$120	\$24	11-14	24
5c. Peer review	0.75	Jessica	\$87	\$65	0	1420 12-6 12-1817-22 18 2-14
6. Project Management		Kerry	\$95	\$284	0.5 0.5	0.25 0.75 0.75 0.25 0.5 0.75
7a. Water right data record update - ownership unknown	0.60	Confine	\$60	\$35	0.6	35
7b. Water right data record update	2.25	Data Tech	\$58	\$131	10-16 11-1	60
Well 2	4.00	GW Staff	\$98		1.5 L.O	
Total	16.30			\$1,450		9 /3 7 5

1450

Permit G-15646 issued 1-05-2005 - 1.604 CFS, being 1.114 CFS from Well 1 and 0.490 CFS from Well 2 for NU on

- --- C date = 10-1-2008 -- extended until 10-1-2015
- --- install & maintain meter, or osmd, keep RECORD, and REPORT
- --- no SWL measurements required by permit

WRD received COBU on 5-19-2017 by Greg Kupillas, CWRE

- --- COBU shows fewer acres for NU than authorized by Permit G-15646 -- contact agent = Greg Kupillas
- --- COBU shows capacity of system at Well 1 (CLAC 12700) is limited to 0.70 CFS describes 54.8 acres served
- --- COBU shows capacity of system at Well 2 (CLAC 51287) exceeds auth rate -and describes 97.4 acres served ------ COBU shows total acres for NU as 152.2 acres

Certificate 93572 195med 12-22-2017

75 under

## **KAVANAGH Kerry L\* WRD**

From: Sent: Greg Kupillas <phggek@bctonline.com> Friday, December 15, 2017 10:36 AM

To:

KAVANAGH Kerry L \* WRD

Subject:

RE: RA Project R12489-17 for Ray Neuschwander & Ray Gannon involving Application

G-15567 -- please review draft proposed certificate - also NEED revised map showing

Gov't Lots

## Kerry,

I have reviewed the proposed certificate and found it to be consistent with the findings in our COBU. I have also received responses from Ray and Ray, and they have both indicated that the draft certificate appears to be correct. Also, I delivered the revised map over the counter last Friday, December 8, so I think we've got the mapping issue addressed.

Please let me know if you need anything else.

Regards,

## Greg

**From:** KAVANAGH Kerry L \* WRD [mailto:Kerry.L.Kavanagh@oregon.gov]

Sent: Wednesday, November 15, 2017 4:16 PM

To: Greg Kupillas

Subject: RA Project R12489-17 for Ray Neuschwander & Ray Gannon involving Application G-15567 -- please review

draft proposed certificate - also NEED revised map showing Gov't Lots

Hello Greg,

Please find attached to this email the draft proposed certificate for Application G-15567.

Please review and compare the draft proposed certificate to Permit G-15646 for accuracy and completeness.

For your convenience, here is a link to information regarding Application G-15567 in the Department's Water Rights Information System (WRIS) database:

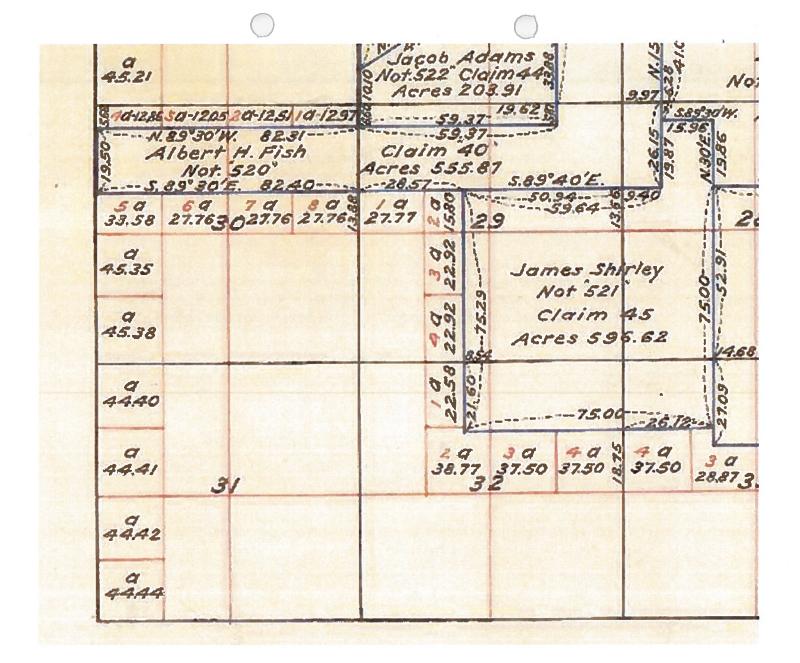
http://apps.wrd.state.or.us/apps/wr/wrinfo/wr details.aspx?snp id=142227

Click on "document" to the right of "Permit G-15646" to view the permit.

Please provide me your comments or edits, should you have any. If you and the water users agree with the draft proposed certificate and let me know this, then I can proceed to issue the certificate without waiting the standard 60-day notice period.

Also, before I can issue the final certificate, I need a revised map that show the Gov't Lots.

Here is a snapshot of a portion of the Cadastral Survey map dated 1924-09-30 for T4S R1E, W.M.:



Thank you.

Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

## **KAVANAGH Kerry L\*WRD**

From:

Greg Kupillas <phggek@bctonline.com>

Sent:

Wednesday, December 06, 2017 12:09 PM

To:

KAVANAGH Kerry L \* WRD

Subject:

FW: RA Project R12489-17 for Ray Neuschwander & Ray Gannon involving Application

G-15567 -- please review draft proposed certificate - also NEED revised map showing

Gov't Lots

Kerry,

Just to get you up to date: I have still not gotten any feedback from the two Rays, but I just sent them a reminder, so hopefully I will be getting some response soon. I have given them until the 13<sup>th</sup> to reply, after which I will proceed under the assumption that they have no comments or concerns.

Having looked at the draft certificate myself, I find it to be consistent with our findings in the COBU. I have made the necessary revisions to the COBU map, and am currently planning on bringing it in this Friday.

Regards,

Greg

From: Greg Kupillas [mailto:phggek@bctonline.com]

Sent: Monday, November 20, 2017 11:25 AM

To: 'KAVANAGH Kerry L \* WRD'

Subject: RE: RA Project R12489-17 for Ray Neuschwander & Ray Gannon involving Application G-15567 -- please review

draft proposed certificate - also NEED revised map showing Gov't Lots

Kerry,

I have forwarded this to the two Rays and asked them for their feedback. In the meantime, I will prepare a revised map and will likely bring that with me when I make my next trip to the Department.

Thanks,

Greg

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9444										

Thank you.

## **KAVANAGH Kerry L\* WRD**

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Monday, November 20, 2017 11:25 AM

To:

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Gov't Lots

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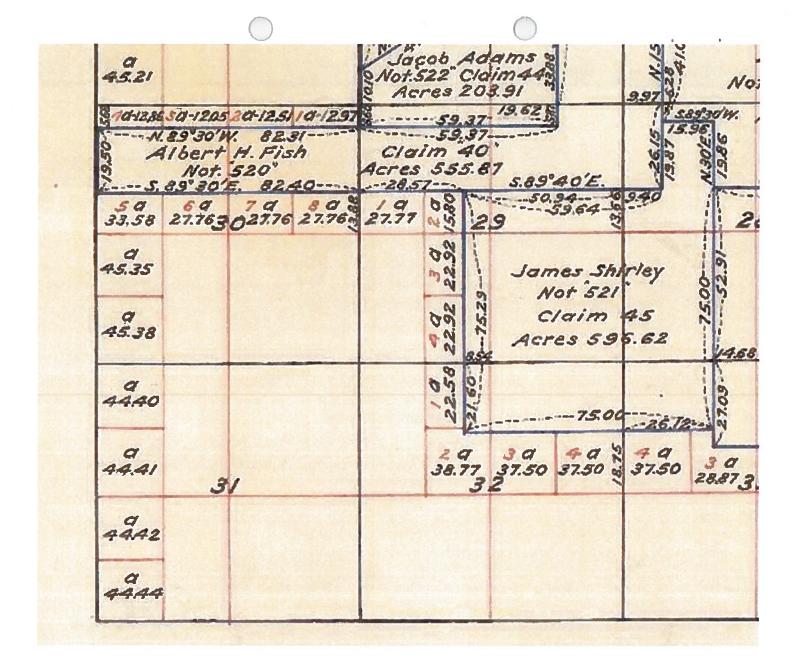
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Thank you.

Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

## **KAVANAGH Kerry L\*WRD**

From:

KAVANAGH Kerry L \* WRD

Sent:

Wednesday, November 15, 2017 4:16 PM

To:

'Greg Kupillas'

Subject:

RA Project R12489-17 for Ray Neuschwander & Ray Gannon involving Application

G-15567 -- please review draft proposed certificate - also NEED revised map showing

Gov't Lots

**Attachments:** 

G-15567-or-prop\_DRAFT-2017-11-15.pdf

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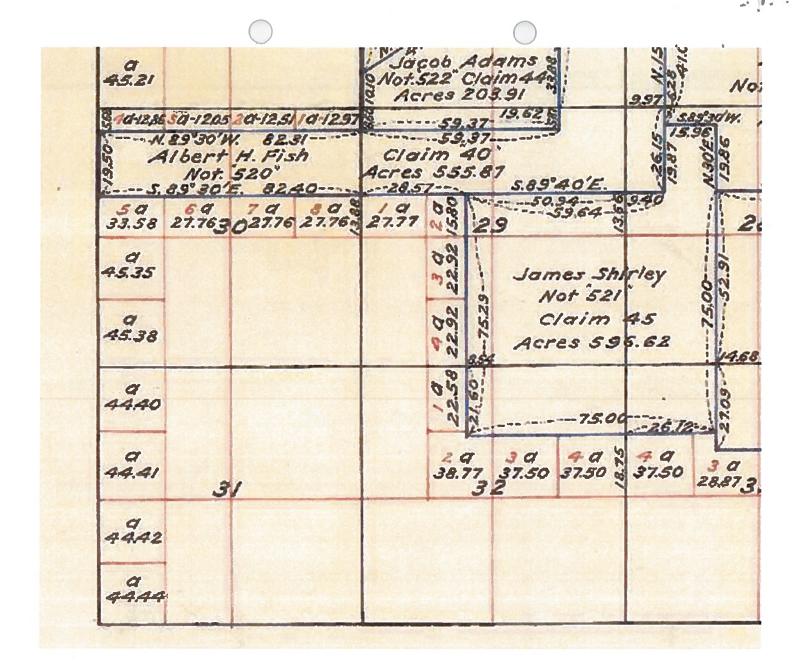
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**Kerry Kavanagh** | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

## STATE OF OREGON

## COUNTY OF CLACKAMAS

## CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

RAY NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD OR 97032 RAY GANNON 2591 BROOKLAKE RD NE SALEM OR 97303

confirms the right to the use of water perfected under the terms of Permit G-15646. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE ON 152.2 ACRES, BEING 54.8 ACRES FROM WELL 1 AND 97.4 ACRES FROM

WELL 2

MAXIMUM RATE: 1.19 CUBIC FEET PER SECOND (CFS), BEING FURTHER LIMITED TO 0.70 CFS FROM WELL 1 AND 0.49 CFS FROM WELL 2, NOT TO EXCEED MAXIMUM CUMULATIVE TOTAL OF 1.19 CFS

PERIOD OF USE: YEAR-ROUND
DATE OF PRIORITY: JULY 25, 2001

The wells are located as follows:

1110 110	iro m o i	ooutou t	23 10110	113.		
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
4 S	1 E	WM	32	SE NE	4	WELL 1 - 550 FEET NORTH AND 1250 FEET WEST FROM E1/4 CORNER, SECTION 32
4 S	1 E	WM	32	SE NW	2	WELL 2 - 50 FEET NORTH AND 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

## NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.

Descriptions of the place of use are as follows:

Ray Neuschwander – Well 1							
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres	
4 S	1 E	WM	32	SW NE	3	26.5	
4 S	1 E	WM	32	SE NE	4	25.2	
4 S	1 E	WM	32	NW SE		3.1	

	Ray Neuschwander – Well 2							
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres		
4 S	1 E	WM	32	SW NE	3	2.7		
4 S	1 E	WM	32	SE NW	2	3.9		
4 S	1 E	WM	32	NE SW		4.3		
4 S	1 E	WM	32	NW SE		21.8		
4 S	1 E	WM	32	SW SE		31.6		

	Ray Gannon – Well 2							
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres		
4 S	1 E	WM	32	SE NW	2	14.4		
4 S	1 E	WM	32	NE SW		18.7		

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meter or other suitable measuring device approved by the Director in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this right, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interference.

The well(s) shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The right to the use of the water for the above purpose is restricted to beneficial use on the place of use described.

Issued		
122000		

Dwight French Water Right Services Division Administrator, for Thomas M. Byler, Director Oregon Water Resources Department

## **KAVANAGH Kerry L\*WRD**

From:

KAVANAGH Kerry L \* WRD

Sent:

Tuesday, July 11, 2017 12:12 PM

To:

ray.nnllc@gmail.com; ray@willamettetree.com

Cc:

'Greg Kupillas'

Subject:

RA Agreement R12489-17 for Ray Neuschwander and Ray Gannon involving Application

G-15567

**Attachments:** 

RA contract receipt\_G-15567.pdf; RA contract\_executed\_G-15567.pdf

Helio Mr. Neuschwander and Mr. Gannon,

Attached are copies of the fully executed Applicant's Agreement signed by the required parties and a receipt for the monies paid for these expedited services. The agreement details the terms and conditions that a work order was issued for the expedited services you requested.

If you have any questions, please contact me.

Thanks, Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD



## OREGON WATER RESOURCES DEPARTMENT

## CERTIFICATE REIMBURSEMENT AUTHORITY APPLICANT'S AGREEMENT

Contract Number: R12489-17



This Agreement is between the Oregon Water Resources Department, hereafter OWRD, and Ray Neuschwander and Ray Gannon, hereafter Applicants, hereafter known together as the parties.

**OWRD** Information

Project Contact: Kerry Kavanagh Reimbursement Authority

Oregon Water Resources Department

725 Summer Street NE Salem, OR 97301-1271 Phone: 503-986-0927

Email: Kerry.L.Kavanagh@state.or.us

**Applicant's Information** 

Name: Ray Neuschwander Address: 6097 S Whiskey Hill Rd

Hubbard, OR 97032

Phone: 503-320-7502

Email: ray.nnlc@gmail.com Name: Ray Gannon

Address: 2591 Brook Lake Rd NE

Salem, OR 97303 Phone: 503-390-2512

Email: ray@willamettetree.com

Applicant's Representative

Name: Greg Kupillas Title: Representative

Company: Pacific Hydro-Geology Inc

Address: 18487 S Valley Vista Rd

Mulino, OR 97042 Phone: 503-939-3167

Email: phggek@bctonline.com

- 1. Purpose. The purpose of this Agreement is to expedite the processing of the Claim of Beneficial Use. (Application Number: G-15567)
- Authority. ORS 536.055 authorizes the OWRD to enter into a voluntary agreement with any
  applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a
  regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of
  expedited process.
- 3. Restrictions. Ray Neuschwander and Ray Gannon and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.
- 4. Effective Date and Duration. Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service has been received by OWRD.
- 5. Consideration. Ray Neuschwander and Ray Gannon shall pay OWRD in advance for actual costs incurred by OWRD. Ray Neuschwander and Ray Gannon agree to pay the full amount of \$1450 to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost. The costs stated in this Agreement do not include the statutory application processing and filing fees.
- Confidentiality. Ray Neuschwander and Ray Gannon agree that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.
- 7. Indemnity. Applicants shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

PCA 47126

- 8. Termination. Applicants may request to terminate this agreement only in writing at any time during the process. The Applicants agree to pay for the work done by the Reimbursement Authority personnel up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance after paying the Reimbursement Authority personnel for the work done.
- Funds Authorized and Available. By its execution of this Agreement, Applicants certifies that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.
- 10. Duration of Estimate. The Estimate of Time to complete the work is no later than one hundred and twenty days (120) days once this Agreement has been fully executed and payment of the estimated cost deposited. However, this estimate is contingent on the Applicant's expeditious resolution of any deficiency and may be affected by the Department's work load. This Estimate of Time may become null and void after thirty (30) days from the date the Applicant's Agreement is mailed. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate.
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- 13. Amendment and Merger. The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.
- 14. Signatures. All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

Applicant:	Applicant: / ay / anno
Name: Ray Neuschwander	Name: Ray Gannon
Title: Owner	Title: Owner
Date:	Date: 7/6/17
For OWRD: Kerry Kavanagh Water Right Services Division Date: 7-10-17	

Mail signed Agreement to:

Kerry Kavanagh Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301-1271

PCA 47126

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0001		
Applicant The Whole	Applicant:	
Name: Ray Neuschwander	Name: Ray Gannon	Management (Andrews Constitution of Constituti
Title: Owner - /-/	Title: Owner	
Date:	Date:	
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FOR OWRD: Krann	as	
Name: Kerry Kavanagh	property of the garden for the	
Water Right Services Division		
Water Right Services Division Date: 7-10-17		
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Kerry Kavanagh		
Oregon Water Resources Department		
725 Summer Street NE, Suite A	12	
Salem, OR 97301-1271		
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Certificate Reimburgement Authority Contract R	12489-17 Page 2 of 2	Revised: July 2009
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To: treman3157@aol.com

MA 62:32:7, 7:05, 20 lul. :9160

Subject: water rights doc

SALEM, OR

From: Ray Neuschwander ray.nnilc@gmail.com

## STATE OF OPTON

WATER RESOURCE EPARTMENT
725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
INV

INVOICE # \_

		(503) 986-0900 / (	503) 986-0904 (fa)		
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0203	GROUND WATER	1	\$	0204	\$
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# OREGON WATER RESOURCES DEPARTMENT CERTIFICATE REIMBURSEMENT AUTHORITY APPLICANT'S AGREEMENT

Contract Number: R12489-17



This Agreement is between the Oregon Water Resources Department, hereafter OWRD, and Ray Neuschwander and Ray Gannon, hereafter Applicants, hereafter known together as the parties.

**OWRD Information** 

Project Contact: Kerry Kavanagh Reimbursement Authority

Oregon Water Resources Department

725 Summer Street NE Salem, OR 97301-1271 Phone: 503-986-0927

Email: Kerry.L.Kavanagh@state.or.us

**Applicant's Information** 

Name: Ray Neuschwander

Address: 6097 S Whiskey Hill Rd

Hubbard, OR 97032

Phone: 503-320-7502 Email: ray.nnlc@gmail.com

Name: Ray Gannon

Address: 2591 Brook Lake Rd NE

Salem, OR 97303

Phone: 503-390-2512

Email: ray@willamettetree.com

Applicant's Representative

Name: Greg Kupillas Title: Representative

Company: Pacific Hydro-Geology Inc

Address: 18487 S Valley Vista Rd

Mulino, OR 97042 Phone: 503-939-3167

Email: phggek@bctonline.com

- 1. Purpose. The purpose of this Agreement is to expedite the processing of the Claim of Beneficial Use. (Application Number: G-15567)
- 2. Authority. ORS 536.055 authorizes the OWRD to enter into a voluntary agreement with any applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of expedited process.
- 3. Restrictions. Ray Neuschwander and Ray Gannon and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.
- 4. Effective Date and Duration. Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service has been received by OWRD.
- 5. Consideration. Ray Neuschwander and Ray Gannon shall pay OWRD in advance for actual costs incurred by OWRD. Ray Neuschwander and Ray Gannon agree to pay the full amount of \$1450 to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost. The costs stated in this Agreement do not include the statutory application processing and filing fees.
- 6. Confidentiality. Ray Neuschwander and Ray Gannon agree that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.
- 7. Indemnity. Applicants shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

PCA 47126

- 8. Termination. Applicants may request to terminate this agreement only in writing at any time during the process. The Applicants agree to pay for the work done by the Reimbursement Authority personnel up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance after paying the Reimbursement Authority personnel for the work done.
- 9. Funds Authorized and Available. By its execution of this Agreement, Applicants certifies that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.
- 10. Duration of Estimate. The Estimate of Time to complete the work is no later than one hundred and twenty days (120) days once this Agreement has been fully executed and payment of the estimated cost deposited. However, this estimate is contingent on the Applicant's expeditious resolution of any deficiency and may be affected by the Department's work load. This Estimate of Time may become null and void after thirty (30) days from the date the Applicant's Agreement is mailed. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate.
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- 13. Amendment and Merger. The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.
- 14. Signatures. All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

Applicant:	Applicant: lay Danne
Name: Ray Neuschwander	Name: Ray Gannon
Title: Owner	Title: Owner
Date:	Date: 7/6/17
For OWRD: Kerry Kavanagh Water Right Services Division Date: 7-10-17	

Mail signed Agreement to:

Kerry Kavanagh Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301-1271

PCA 47126

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14.	Signatures.	All parties, by the	authorized repre	sentative's signatur	re below, hereby	acknowledge that
	they have re-	ad this Agreement,	understand it and	agree to be bound	by its terms an	d conditions.

Applicants The Mollins Name: Ray Neuschwander	Applicant: Name: Ray Gannon	44 with the company and actions being a raise. In this
Title: Owner 7-6-/7	Title: Owner Date:	
For OWRD: Kerry Kavanagh	rad	
Water Right Services Division 10-1-	7	

Mail signed Agreement to:

Kerry Kavanagh Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301-1271

PCA 47126

Certificate Reimbursement Authority Contract

R12489-17

Page 2 of 2

Revised July 2009

RECEIVED BY OWRD

JUL 1 0 2017

SALEM, OR

To: treman3157@aol.com

MA 62:32:7, 7105, 8 lul :91s0

Subject: water rights doc

From: Ray Neuschwander ray.nnilc@gmail.com



# CERTACICATE REIMBURSEMENT AU HORITY ESTIMATE APPLICATION

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. A separate estimate application is required for each application and/or transfer number. There is a non-refundable application fee of \$125.00 per request.

REQUEST	TYPE	FILE NUMBER	
×	Certificate Request	Application Number Permit Number Transfer Number/Permit Amendment (if applicable)	G-15567 G-15646

	Applicant Information	Applicant's Representative/Contact
Name:	Ray Neuschwander and Ray Gannon	Pacific Hydro-Geology Inc./Greg Kupillas
Address:	6097 S Whiskey Hill Rd/2591 Brook Lake Rd NE	18487 S Valley Vista Rd
	Hubbard, OR 97032/Salem, OR 97303	Mulino, OR 97042
Phone:	503.320.7502/503.390.2512	503.939.3167
Fax:		
E-Mail Address:	ray.nnlc@gmail.com/ray@willamettetree.com	phggek@bctonline.com

## I certify that I (check one):

have previously filed a Claim of Beneficial Use

am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

## I understand the following:

- That upon receipt of my non-refundable application fee in the amount of \$125.00, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.
- Send completed Application and payment to:

Oregon Water Resources Department Certificate Reimbursement Authority Program 725 Summer St. NE, Suite A Salem, OR 97301-1271

RECEIVED

I certify that I am the (check one):

Applicant Applicant's Representative

Other (Please SECEIVED BY OWRDUN 0 5 2017

Name: Gregory E. Kupillas

JUL 1 0 2017

OWRD

Signature:

5-27:

-SALEM, OR

OWRD USE ONLY: Reimbursement Authority Number: R12 489 17 47/2

STATE UP UNEGUN WATER RESOURCES PEPARTMENT 725 Summer St. N **INVOICE** # SALEM, OR 97301-4172 (503) 986-0900 / (503) 986-0904 (fax) 11F11 **APPLICATION** 15510 H DKD-GEOL PERMIT TRANSFER ISH: CHECK:# OTHER: (IDENTIFY) TOTAL REC'D 4170 WRD MISC CASH ACCT 1083 47126 R1248917 0407 COPIES 040% OTHER: (IDENTIFY) REIMBURSEMENT AUTHORIT) S 0244 Muni Water Mgmt. Plan\_\_\_\_ 0243 I/S Lease 0245 Cons. Water 4270 WRD OPERATING ACCT **MISCELLANEOUS** \$ 0407 **COPY & TAPE FEES** \$ 0410 **RESEARCH FEES** \$ MISC REVENUE: (IDENTIFY) 0408 \$ TC162 DEPOSIT LIAB. (IDENTIFY) \$ **EXTENSION OF TIME** 0240 RECORD FEE WATER RIGHTS: EXAM FEE \$ SURFACE WATER 0201 0202 \$ **GROUND WATER** 0203 \$ 0204 0205 TRANSFER LICENSE FEE **EXAM FEE** WELL CONSTRUCTION 0219 \$ 0218 WELL DRILL CONSTRUCTOR \$ 0220 LANDOWNER'S PERMIT OTHER (IDENTIFY) TREASURY 0437 WELL CONST. START FEE 0536 0211 WELL CONST START FEE \$ CARD# 0210 MONITORING WELLS \$ CARD# OTHER (IDENTIFY) 0467 HYDRO ACTIVITY 0607 TREASURY LIC NUMBER \$ POWER LICENSE FEE (FW/WRD) 0233 \$ 0231 HYDRO LICENSE FEE (FW/WRD) HYDRO APPLICATION

OTHER / RDX

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JUL 1 0 2017

SALEM, OR

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- 10. Duration of Estimate. The Estimate of Time to complete the work is no later than one hundred and twenty days (120) days once this Agreement has been fully executed and payment of the estimated cost

**RECEIVED BY OWRD** 

JUL 1 0 2017

SALEM, OR

### STATE OF OREGON SOURCES DEPARTMENT WATER F Summer St. N.E. Ste. A INVOICE # RECEIPT # 123921 SALEM, OR 97301-4172 (503) 986-0900 / (503) 986-0904 (fax) APPLICATION RECEIVED FROM: WILLAMETTE TREE PERMIT WHOLESALE, INC. TRANSFER OTHER: (IDENTIFY) CHECK:# CASH: TOTAL REC'D X19588 4170 WRD MISC CASH ACCT TREASURY 1083 R12489-17 47126 COPIES 0407 (IDENTIFY) REIMBURSEMENT ANTHORIT'S 145000 0408 OTHER: 0245 Cons. Water 0244 Muni Water Mgmt. Plan\_ 0243 I/S Lease 4270 WRD OPERATING ACCT **MISCELLANEOUS** COPY & TAPE FEES 0407 RESEARCH FEES 0410 MISC REVENUE: (IDENTIFY) 0408 DEPOSIT LIAB. (IDENTIFY) TC162 EXTENSION OF TIME 0240 RECORD FEE EXAM FEE WATER RIGHTS: \$ 0202 SURFACE WATER 0201 \$ 0204 GROUND WATER 0203 \$ TRANSFER 0205 LICENSE FEE **EXAM FEE** WELL CONSTRUCTION \$ 0219 \$ WELL DRILL CONSTRUCTOR 0218 \$ 0220 LANDOWNER'S PERMIT (IDENTIFY) OTHER 0437 WELL CONST. START FEE TREASURY 0536 CARD# WELL CONST START FEE 0211 CARD# \$ MONITORING WELLS 0210 (IDENTIFY) OTHER 0467 HYDRO ACTIVITY LIC NUMBER 0607 TREASURY \$ POWER LICENSE FEE (FW/WRD) 0233 \$ HYDRO LICENSE FEE (FW/WRD) 0231 \$ HYDRO APPLICATION OTHER / RDX **TREASURY** FUND

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DATED: 7-10-17

**VENDOR#** 

Y. M. COOL

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## **KAVANAGH Kerry L\*WRD**

From:

Ray <ray@willamettetree.com>

Sent:

Wednesday, July 05, 2017 3:47 PM

To:

KAVANAGH Kerry L \* WRD

Cc:

ray.nnllc@gmail.com; Greg Kupillas

Subject:

Re: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

Kerry, I have printed the documents and will hand carry to Mr Neushwander for his signature. I will forward the document and review fee before the end of the week. Thanks

Ray Gannon / Willamette Tree Wholesale Cell 5037816304. Office 5033902512.

Fax 5033933817

Email treman3157@aol.com

On Jun 28, 2017, at 1:57 PM, KAVANAGH Kerry L \* WRD < Kerry.L.Kavanagh@oregon.gov > wrote:

Hello Mr. Neuschwander and Mr. Gannon,

I was wondering if you have had the opportunity to review the agreement for expedited review of the claim of beneficial use for Application G-15567. Generally, the estimated cost is only valid for 30 days.

Please let me know if you have any questions.

Thank you for your consideration, Kerry

From: KAVANAGH Kerry L \* WRD

Sent: Wednesday, June 14, 2017 7:38 AM

To: 'ray.nnllc@gmail.com'

Cc: 'Greg Kupillas'

Subject: FW: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

Hello Mr. Neuschwander,

Please review the attached agreement for expedited review of the claim of beneficial use for Application G-15567.

Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry, L. Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

From: phggek@bctonline.com [mailto:phggek@bctonline.com]

**Sent:** Tuesday, June 13, 2017 7:09 PM

To: KAVANAGH Kerry L \* WRD; ray@willamettetree.com

Subject: Re: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

Ray and Ray.

The contract is for processing the certificate for the permit on an expedited basis. This is so we can go forward sooner than later on the transfer to change the well so Ray Gannon can irrigate his portion of this permit with the well located on his property.

Please contact me if you have any questions.

**Greg Kupillas** 

Sent from my Verizon 4G LTE Smartphone

---- Reply message ----

From: "KAVANAGH Kerry L \* WRD" < Kerry.L.Kavanagh@oregon.gov>

To: "joel.nnllc@gmail.com" <joel.nnllc@gmail.com>, "ray@willamettetree.com"

<ray@willamettetree.com>

Cc: "Greg Kupillas" < phggek@bctonline.com>

Subject: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

Date: Mon, Jun 12, 2017 4:00 PM

Sorry, I forgot the attachments....here you go.

Kerry

From: KAVANAGH Kerry L \* WRD Sent: Monday, June 12, 2017 1:50 PM

To: 'joel.nnllc@qmail.com'; 'ray@willamettetree.com'

Cc: 'Greg Kupillas'

Subject: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

Hello Mr. Neuschwander and Mr. Gannon,

Please find the attached estimate and agreement to review the claim of beneficial use. If the proposed agreement is acceptable to both of you, please return a copy with both of your signatures to our office along with the payment of the estimated cost to review the claim of beneficial use.

If you have any questions, please call me.

Thanks, Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

\*Voice 5'03.986.0927 | Fax 503..986.0901 Email: <u>Kerry.L.Kavanagh@oregon.gov</u> Web: <u>http://oregon.gov/ORWD</u>

## KAVANAGH Kerry L \* WRD

From: KAVANAGH Kerry L \* WRD

**Sent:** Wednesday, June 28, 2017 1:57 PM

To: 'ray.nnllc@gmail.com'; ray@willamettetree.com

Cc: 'Greg Kupillas'

**Subject:** RE: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

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Please let me know if you have any questions.

Thank you for your consideration, Kerry

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Sent: Wednesday, June 14, 2017 7:38 AM

To: 'ray.nnllc@gmail.com'

Cc: 'Greg Kupillas'

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Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry, L, Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

From: phggek@bctonline.com [mailto:phggek@bctonline.com]

**Sent:** Tuesday, June 13, 2017 7:09 PM

To: KAVANAGH Kerry L \* WRD; ray@willamettetree.com

Subject: Re: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving Application G-15567

Ray and Ray.

The contract is for processing the certificate for the permit on an expedited basis. This is so we can go forward sooner than later on the transfer to change the well so Ray Gannon can irrigate his portion of this permit with the well located on his property.

Please contact me if you have any questions.

## **Greg Kupillas**

## Sent from my Verizon 4G LTE Smartphone

---- Reply message ----

From: "KAVANAGH Kerry L \* WRD" < Kerry.L.Kavanagh@oregon.gov>

To: "joel.nnllc@gmail.com" <joel.nnllc@gmail.com>, "ray@willamettetree.com" <ray@willamettetree.com>

Cc: "Greg Kupillas" <phggek@bctonline.com>

Subject: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving Application G-

15567

Date: Mon, Jun 12, 2017 4:00 PM

Sorry, I forgot the attachments....here you go.

Kerry

From: KAVANAGH Kerry L \* WRD Sent: Monday, June 12, 2017 1:50 PM

To: 'joel.nnllc@gmail.com'; 'ray@willamettetree.com'

Cc: 'Greg Kupillas'

Subject: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving Application G-15567

Hello Mr. Neuschwander and Mr. Gannon,

Please find the attached estimate and agreement to review the claim of beneficial use. If the proposed agreement is acceptable to both of you, please return a copy with both of your signatures to our office along with the payment of the estimated cost to review the claim of beneficial use.

If you have any questions, please call me.

Thanks, Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503..986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

## **KAVANAGH Kerry L\*WRD**

From:

phggek@bctonline.com

Sent:

Tuesday, June 13, 2017 7:34 PM

To:

KAVANAGH Kerry L \* WRD

Cc:

joel nnllc; ray@willamettetree.com

**Subject:** 

Re: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

## Kerry,

As it turns out, Ray Neuschwander no longer uses the <u>joel.nnllc@gmail.com</u> email address. That was his Dad's email address. Ray Neuschwander's current email address is <u>ray.nnllc@gmail.com</u>.

Please re-send the message to Ray Neuschwander at his current email address.

Thanks.

Greg Kupillas

From: "KAVANAGH Kerry L \* WRD" < Kerry.L.Kavanagh@oregon.gov>

To: "joel nnllc" < joel.nnllc@gmail.com >, ray@willamettetree.com

Cc: "Greg Kupillas" <phggek@bctonline.com>
Sent: Monday, June 12, 2017 2:00:16 PM

Subject: FW: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

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Kerry

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## Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

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phggek@bctonline.com

Sent:

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To:

KAVANAGH Kerry L \* WRD; ray@willamettetree.com

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Sent from my Verizon 4G LTE Smartphone

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Kerry

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Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503..986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD

## **KAVANAGH Kerry L\*WRD**

From:

KAVANAGH Kerry L \* WRD

Sent:

Wednesday, June 14, 2017 7:38 AM

To:

'ray.nnllc@gmail.com'

Cc:

'Greg Kupillas'

**Subject:** 

FW: RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon

involving Application G-15567

**Attachments:** 

RA contract\_G-15567.pdf; RA estimate receipt\_G-15567.pdf; RA estimate

request\_G-15567.pdf

Hello Mr. Neuschwander,

Please review the attached agreement for expedited review of the claim of beneficial use for Application G-15567.

Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

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Cc: 'Greg Kupillas'

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Thanks, Kerry

Kerry Kavanagh | Reimbursement Authority, Certificates, Water Right Services Division

Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503..986.0901

Email: Kerry, L. Kavanagh@oregon.gov Web: http://oregon.gov/ORWD



# OREGON WATER RESOURCES DEPARTMENT CERTIFICATE REIMBURSEMENT AUTHORITY ESTIMATE APPLICATION

ORS 536.055 authorizes the Oregon Water Resources Department to expedite or enhance regulatory processes voluntarily requested under the agreement.

The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. A separate estimate application is required for each application and/or transfer number. There is a non-refundable application fee of \$125.00 per request.

REQUEST	TYPE	FILE NUMBER	
×	Certificate Request	Application Number Permit Number Transfer Number/Permit Amendment (if applicable)	G-15567 G-15646

	Applicant Information	Applicant's Representative/Contact
Name:	Ray Neuschwander and Ray Gannon	Pacific Hydro-Geology Inc./Greg Kupillas
Address:	6097 S Whiskey Hill Rd/2591 Brook Lake Rd NE	18487 S Valley Vista Rd
	Hubbard, OR 97032/Salem, OR 97303	Mulino, OR 97042
Phone:	503.320.7502/503.390.2512	<u>503.939.3167</u>
Fax:		
E-Mail Address:	ray.nnlc@gmail.com/ray@willamettetree.com	phggek@bctonline.com

I certify that I (check one):

have previously filed a Claim of Beneficial Use

am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of \$125.00, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.
- Send completed Application and payment to:
   Oregon Water Resources Department
   Certificate Reimbursement Authority Program
   775 Summer St. NF. Suite A.

725 Summer St. NE, Suite A
Salem, OR 97301-1271

RECEIVED

1	certify	that l	am	the (ci	heck	one)	:

Applicant Applicant's Representative Other (Please specify)

JUN 05 2017

Name: Gregory E. Kupillas

**OWRD** 

Signature:

OWRD USE ONLY: Reimbursement Authority Number: R12 489 17

47124

STATE OF OR N

## . WATER RESOURCES DEPARTMENT

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RECEIPT # 1	2	5	D	1	4

725 Summer St. N.E. Sts. A SALEM, OR 97301-4172 (503) 986-0900 / (503) 986-0904 (fax)

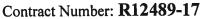
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	MISCELLANEOUS			
0407	COPY & TAPE FEES			\$
0410	RESEARCH FEES			\$
0408	MISC REVENUE: (IDENTIFY)			\$
TC162	DEPOSIT LIAB. (IDENTIFY)			\$
0240	EXTENSION OF TIME	A Secretary of the Secr		
	WATER RIGHTS:	EXAM FEE		RECORD FEE
0201	SURFACE WATER	\$	0202	\$
0203	GROUND WATER	\$	0204	
0205	TRANSFER	\$		LICENSE FEE
	WELL CONSTRUCTION	EXAM FEE	0219	\$
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0210	MONITORING WELLS	\$	CARD	
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0233	HYDRO LICENSE FEE (FW/WRD)			\$
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# OREGON WATER RESOURCES DEPARTMENT CERTIFICATE REIMBURSEMENT AUTHORITY

# ERTIFICATE REIMBURSEMENT AUTHORITY APPLICANT'S AGREEMENT





This Agreement is between the Oregon Water Resources Department, hereafter OWRD, and Ray Neuschwander and Ray Gannon, hereafter Applicants, hereafter known together as the parties.

**OWRD Information** 

Project Contact: Kerry Kavanagh Reimbursement Authority

Oregon Water Resources Department

725 Summer Street NE Salem, OR 97301-1271 Phone: 503-986-0927

Email: Kerry.L.Kavanagh@state.or.us

**Applicant's Information** 

Name: Ray Neuschwander Address: 6097 S Whiskey Hill Rd

Hubbard, OR 97032

Phone: 503-320-7502

Email: ray.nnlc@gmail.com

Name: Ray Gannon

Address: 2591 Brook Lake Rd NE

Salem, OR 97303

Phone: 503-390-2512

Email: ray@willamettetree.com

Applicant's Representative

Name: Greg Kupillas Title: Representative

Company: Pacific Hydro-Geology Inc Address: 18487 S Valley Vista Rd

Mulino, OR 97042

Phone: 503-939-3167

Email: phggek@bctonline.com

- 1. Purpose. The purpose of this Agreement is to expedite the processing of the Claim of Beneficial Use. (Application Number: G-15567)
- 2. Authority. ORS 536.055 authorizes the OWRD to enter into a voluntary agreement with any applicant, permittee or regulated entity (collectively Applicant) for expediting or enhancing a regulatory process. In making this agreement, OWRD shall require the applicant to pay the full cost of expedited process.
- 3. Restrictions. Ray Neuschwander and Ray Gannon and OWRD agree that this Agreement shall not be construed to restrict in any way the decisions and actions by OWRD. OWRD shall be free to exercise independent judgment consistent with existing laws and regulations.
- 4. Effective Date and Duration. Unless otherwise terminated by non-deposit of funds by the Applicant, this Agreement shall become effective on the date on which both parties have signed the Agreement and the full deposit of the estimated cost of the proposed service has been received by OWRD.
- 5. Consideration. Ray Neuschwander and Ray Gannon shall pay OWRD in advance for actual costs incurred by OWRD. Ray Neuschwander and Ray Gannon agree to pay the full amount of \$1450 to OWRD prior to commencement of any work stated in this Agreement. This payment will be placed in an account administered by OWRD and drawn upon as costs are actually incurred. If the actual cost of performing the work is less than payments received, OWRD will refund the unspent balance. If the actual cost of processing exceeds the estimate, the Applicant can either elect to terminate this Agreement or amend the Agreement to reflect the increase in cost. The costs stated in this Agreement do not include the statutory application processing and filing fees.
- 6. Confidentiality. Ray Neuschwander and Ray Gannon agree that any information provided to or acquired by OWRD under this Agreement will be subject to the Oregon Public Records Law and shall be considered public records.
- 7. Indemnity. Applicants shall defend, save, hold harmless, and indemnify the State of Oregon, OWRD, and their officers, employees, and agents from and against all claims, suits, actions, losses, damages, liabilities, costs and expenses of any nature resulting from or arising out of, or relating to the activities of Applicant or its representatives, officers, employees, contractors, or agents under this Agreement or with respect to the expedited service. The Applicant acknowledges that the Oregon Water Resources Department cannot and does not guarantee a favorable review under the subject regulatory process.

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- 8. Termination. Applicants may request to terminate this agreement only in writing at any time during the process. The Applicants agree to pay for the work done by the Reimbursement Authority personnel up until the time of the written termination request. OWRD, upon receiving such written termination request from the Applicant, will refund any unspent balance after paying the Reimbursement Authority personnel for the work done.
- 9. Funds Authorized and Available. By its execution of this Agreement, Applicants certifies that sufficient funds are authorized and available to cover the expenditures contemplated by this Agreement.
- 10. Duration of Estimate. The Estimate of Time to complete the work is no later than one hundred and twenty days (120) days once this Agreement has been fully executed and payment of the estimated cost deposited. However, this estimate is contingent on the Applicant's expeditious resolution of any deficiency and may be affected by the Department's work load. This Estimate of Time may become null and void after thirty (30) days from the date the Applicant's Agreement is mailed. If the Applicant's Agreement is not received by the Department within thirty (30) days of mailing the Agreement, the Applicant may need to re-apply for a new estimate.
- 11. Completion Date. OWRD, by the execution of this Agreement does not guarantee the completion date indicated in this Agreement. Completion date is only an estimate and may be affected by the Department's workload, issues arising from the processing of the requested services and Applicant's timely response to requests for additional information.
- 12. Captions. The captions or headings in this Agreement are for the convenience only and in no way define limit or describe the scope or intent of any provision of this Agreement.
- 13. Amendment and Merger. The terms of this Agreement shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, except by written instrument signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements or representations, oral or written, not specified herein regarding this Agreement.
- 14. Signatures. All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

Applicant:	Applicant: Name: Ray Gannon Title: Owner Date:	
For OWRD: Name: Kerry Kavanagh Water Right Services Division Date:		

Mail signed Agreement to:

Kerry Kavanagh Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301-1271

PCA 47126

### **KAVANAGH Kerry L \* WRD**

From:

KAVANAGH Kerry L \* WRD

Sent:

Monday, June 12, 2017 1:50 PM

To:

'joel.nnllc@gmail.com'; 'ray@willamettetree.com'

Cc:

'Greg Kupillas'

**Subject:** 

RA Certificate Estimate R12489-17 for Ray Neuschwander and Ray Gannon involving

Application G-15567

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Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

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Oregon Water Resources Department | 725 Summer St. NE, Suite A, Salem, Oregon 97301

Voice 503.986.0927 | Fax 503.986.0901

Email: Kerry.L.Kavanagh@oregon.gov Web: http://oregon.gov/ORWD



# OREGON WATER RESOURCES DEPARTMENT CERTIFICATE REIMBURSEMENT AUTHORITY APPLICANT'S AGREEMENT

VO Jago 2009 H

Contract Number: R12489-17

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**OWRD** Information

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Reimbursement Authority

Oregon Water Resources Department

725 Summer Street NE Salem, OR 97301-1271

Phone: 503-986-0927

Email: Kerry.L.Kavanagh@state.or.us

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Salem, OR 97303

Phone: 503-390-2512

Email: ray@willamettetree.com

Applicant's Representative

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Mulino, OR 97042 Phone: 503-939-3167

Email: phggek@bctonline.com

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PCA 47126

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- 14. Signatures. All parties, by the authorized representative's signature below, hereby acknowledge that they have read this Agreement, understand it and agree to be bound by its terms and conditions.

Applicant:Name: Ray Gannon	_
Title: Owner	
Date:	
<u></u>	
	Name: Ray Gannon Title: Owner

Mail signed Agreement to:

Kerry Kavanagh Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301-1271

PCA 47126



# CERTIFICATE REIMBURSEMENT AUTHORITY ESTIMATE APPLICATION

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The purpose of this application is to obtain estimates of the cost and time required to process a Certificate Request. A separate estimate application is required for each application and/or transfer number. There is a non-refundable application fee of \$125.00 per request.

REQUEST	TYPE	FILE NUMBER	
×	Certificate Request	Application Number Permit Number	G-15567 G-15646
		Transfer Number/Permit Amendment (if applicable)	

	Applicant Information	Applicant's Representative/Contact
Name:	Ray Neuschwander and Ray Gannon	Pacific Hydro-Geology Inc./Greg Kupillas
Address:	6097 S Whiskey Hill Rd/2591 Brook Lake Rd NE	18487 S Valley Vista Rd
	Hubbard, OR 97032/Salem, OR 97303	Mulino, OR 97042
Phone:	503.320.7502/503.390.2512	503.939.3167
Fax:		- Option of the Control of the Contr
E-Mail Address:	ray.nnlc@gmail.com/ray@willamettetree.com	phggek@bctonline.com

I certify that I (check one):

have previously filed a Claim of Beneficial Use

am attaching the Claim of Beneficial Use with this request and have included the appropriate claim fee.

I understand the following:

- That upon receipt of my non-refundable application fee in the amount of \$125.00, OWRD will, within fourteen (14) days, notify me in writing of the estimates of cost and time frame for the expedited service.
- That this fee covers the reimbursement authority staff to evaluate and provide the estimate for processing of the request.
- That upon receiving the estimate I may agree or decline to enter into a formal contract to pay the estimated cost in advance to initiate the expedited service.
- An incomplete or inaccurate Claim of Beneficial Use may delay the process and increase the cost to process my request.
- Expedited processing does not guarantee a favorable review of my request.
- Send completed Application and payment to:

Oregon Water Resources Department Certificate Reimbursement Authority Program 725 Summer St. NE, Suite A Salem, OR 97301-1271

R	E	C	E	1	1	E	D
---	---	---	---	---	---	---	---

I certify that	l am the	(check one)
----------------	----------	-------------

Applicant Applicant's Representative Other (Please specify)

JUN 05 2017

Name: Gregory E. Kupillas

**OWRD** 

Signature

OWRD USE ONLY: Reimbursement Authority Number: R12 489 17

47124

# STATE OF OF BON WATER RESOURCE JEPARTMENT

	754 11 2		00 / (503) 986-0904 (fax		
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		4270 W	RD OPERATING	ACCT	
	MISCELLANEOUS				
0407	COPY & TAPE FEI				\$
0410	RESEARCH FEES				\$
0408	MISC REVENUE:	(IDENTIFY)			\$
TC162	DEPOSIT LIAB. (I				\$
0240	EXTENSION OF T	IME			\$
	WATER RIGHTS:		EXAM FEE		RECORD FEE
0201	SURFACE WATER	ı	\$	0202	\$
0203	GROUND WATER		\$	0204	\$
0205	TRANSFER		\$		
	WELL CONSTRU	CTION	EXAM FEE		LICENSE FEE
0218	WELL DRILL CON	STRUCTOR	\$	0219	\$
	LANDOWNER'S P	ERMIT		0220	\$
	OTHER	(IDENTIFY)			
0536	TREASURY	0437 W	ELL CONST. STA	RT FEE	
0211	WELL CONST ST	ART FEE	\$	CARD	•
0210	MONITORING WE	LLS	\$	CARD	
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0607	TREASURY	0467 H	YDRO ACTIVITY	LIC NUMBER	
0233	POWER LICENSE	FEE (FW/WR	D)		\$
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Water Resources Department

North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

May 16, 2017

Raymon J. Neuschwander 6097 Whiskey Hill Rd. Hubbard, Oregon 97032

Reference: Application G-15567, Permit G-15646

The partial assignment from Joel Neuschwander to Raymon J. Neuschwander has been recorded in the records of the Water Resources Department.

The Departments records will now show Raymon J. Neuschwander and Ray Gannon as the permit holders of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 123377 covering the recording fee is also enclosed.

A permit is not a perfected water right, and has conditions and timelines that must be satisfied prior to a Certificate of Water Right being issued. Please review the permit to be familiar with the conditions and timelines contained in the permit.

Please note that this permit required complete application of water to the proposed use by October 1, 2015, and within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE). As of this date, the claim of beneficial use has not been received by the Department.

Sincerel

Jerry Sauter

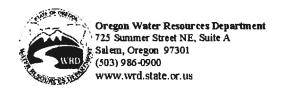
Water Rights Program Analyst Water Right Services Division

Enclosure: Receipt 123377

cc: Watermaster 20 Ray Gannon

Data Center, OWRD (cover letter & request)

File



## Request for Assignment

If for multiple rights, a separate form and fee for each right will be required. I. Raymon J. Neuschwander as Agent and attorney-in-fact for A. Joel Neuschander (Name of Applicant / Permit / Transfer Holder / License Holder/GR Certificate of Registration) 6097 S Whiskey Hill Road Hubbard Or 97032 503-320-7502 (Mailing Address) (City) (State) (Zip) (Phone #) hereby assign all my interest in and to application/permit/transfer/license/GR Certificate of Registration: hereby assign all my interest in and to a portion of application/permit/transfer/license/GR Certificate of Registration: (You must include a map showing the portion of the application/permit/transfer/license/GR Certificate of Registration to be assigned) hereby assign a portion of my interest in and to the entire application/permit/transfer/license/GR Certificate of Registration: Application #G-15567 ; Permit #G-15646 ; Transfer# ; GR Certificate of Registration #\_\_\_\_\_ License #\_\_\_\_; GR Statement # \_\_ As filed in the office of the Water Resources Director, to: Raymon J. Neuschwander (Name of New Owner) 6097 S Whiskey Hill Road Hubbard OR 97032 503-320-7502 (Mailing Address) (City) (State) (Zip) (Phone #) Note: If there are other owners of the property described in the Application, Permit. Transfer, License, or GR Certificate of Registration, you must provide a list of all other owners' names and mailing addresses and attach it to this form. I hereby certify that I have notified all other owners of the property described in this Application. Permit, Transfer, License, or GR Certificate of Registration of this Request for Assignment Witness my hand this Applicant/Permit Holder Applicant/Pennit Holder

#### DO NOT WRITE IN THIS BOX

This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salam Oregon.

Fee receipt # (21177)
For Director by Jerry Saute

Water Rights Division

Last updated: July 19, 2013 Request for Assignment

The completed "Request for Assignment" form *must* be submitted to the Department along with the recording fee of \$85.

RECEIVED

MAY 1 2017

OWRD



Water Resources Department

North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

October 6, 2016

Willamette Tree Wholesale, Inc. 5244 SE Castle Rock Ct. Milwaukie, Oregon 97267

Reference: Application G-15567, Permit G-15646

The partial assignment by proof from Joel Neuschwander to Ray Gannon has been recorded in the records of the Water Resources Department.

The Departments records will now show Joel Neuschwander and Ray Gannon as the permit holder of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 121502 covering the recording fee is also enclosed.

A permit is not a perfected water right, and has conditions and timelines that must be satisfied prior to a Certificate of Water Right being issued. Please review the permit to be familiar with the conditions and timelines contained in the permit.

Sincerely

Jerry Sauter

Water Rights Program Analyst Water Right Services Division

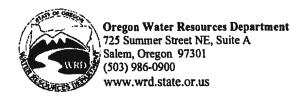
Enclosure: Receipt 121502

cc: Watermaster 20

Joel Neuschwander

Hydrographics

File



## Request for

# Assignment

RECEIVED BY OW OCT 03 2016

By Proof of Ownership (If Water Right Holder is Not Available)

SALEM, OR

If for multiple rights, a separate form and fee for each right will be required. 5244 SE Castle Rock ct.
(Mailing Address) Mil way Re (City) (State) (Zip) hereby request assignment of application/permit/transfer/license/GR Certificate of Registration; hereby request assignment of a portion of application/permit/transfer/license/GR Certificate of Registration; (You must include a map showing the portion of the application/permit/transfer/license/GR Certificate of Registration to be assigned.) I have attached proof of ownership that may include but not be limited to: a copy of the deed to the land, a copy of a land sales contract, a court order or decree, documentation of survivorship of property held jointly. The Department cannot accept a copy of a tax statement. Leo E Gentry Wholesole Nursery Inc. (Mailing Address) Note: You are required to furnish proof acceptable to the Department that notice of the assignment has been given or attempted for each identified property owner not a party to the assignment. ORS 537.220(2) Failure to submit this proof will result in the return of your request. (Proof may include but not be ICIÓN AMETINE AY ARACC JA colulado limited to: a copy of returned certified mailing, copy of a Death Certificate, or a court order.) 1) I certify that I am the current owner of the property described in this application, Permit, transfer. license or GR Certificate of Registration. 2) I have the legal right to request assignment under OAR 690-310-0280 and 690-320-0060. 3) I have not been able to contact the owner(s) of record for the above referenced application or water 4) I further certify that the information provided herein is true and correct to the best of my knowledge. Witness my hand this Party Requesting Assignment Party Requesting Assignment

DO NOT WRITE IN THIS BOX

This certifies assignment and record change at Oregon Water Resources Department effective 8.00 a.m. on date of receipt a Salem. Oregon. Fee receipt #121502

For Director by Jerry Say Water Rights Division

The completed "Request for Assignment" form must be submitted to the Department CEIVED BY OWRD along with the recording fee of \$85.

SEP 1 5 2016

SAMEM, OR



### Water Resources Department

725 Summer St NE, Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

June 1, 2017

Ray Neuschwander 6097 Whiskey Hill Rd Hubbard OR 97032

On May 19, 2017 the Water Resources Department received the Claim of Beneficial Use (COBU) for the following file(s):

Application G-15567 Permit G-15646

The COBU included a report and map. In the future the Department will review your submittal. At that time we will review these items and provide a final certificate, proposed certificate, or a request for additional information.

If you are interested in having your COBU reviewed sooner, you may pay to have your file processed immediately, using the Reimbursement Authority program, which is described at:

http://www.wrd.state.or.us/OWRD/mgmt\_reimbursement\_authority.shtml

Customer Service phone: (503) 986-0801

If you sell the property, please contact the Department, or have the new owners contact the Department about the need to file an assignment.

Cc: file Ray Gannon

# Oregon Water Resources Department PUMP TEST FORM COVER SHEET

Well Owner:		Well Locatio	in:	1777
Name: Neuschwanders Nurs	in by	l ownship:	(N/S) Range: / <sub>16</sub> ;	(C:/ VV)
Address: 6097 S Whiskey H	III 130	Well depth:	Date drilled:	
County: Clackamas City: Hubbard OR	State: Zip:97032	Owners well	no. (if any):	
Original owner (from well to	g):		PÒD ID:	
Water Right Information:				
Application: G-15567	Permit: G-15646		Certificate:	
Is this well listed on more tr	nan one water right? 🗀 i	res ir ye:	s, list additional water	i iigiits pelow.
Application:	Permit:		Cedificate:	
Application:	Permit:		_ Certificate:	
Pump Test:				
Test Conducted by: Rich G	erlg		Well Own	er? Yes
Company: Fisher's Supply I	nc			
Address: 659 SW 1st Ave	State: OR Zip	07017	Date of Test: <u>\</u>	12-17-10
City: Canby	State: OK Zip	5: 97013	•	
Daylime phone: 503-263-85				los Ma Cromotas
Method of discharge meas Method of water-level meas	urement (see our brochure	for acceptable	e methods); <u>Flow life</u>	'et McCtottletet
Length of air line (if used):			2 4304). <u></u>	
		bmersible		
Pump type (pick one or ent Was the pump test conduc	ter other mounty uses). See	A WAII2 TV		
				A of the total
Are you aware of any wells				t of the resido
well during the test or withi	n 24 hours prior to the test	? L Yes No	te: NO	colble Indicate if
If yes, give approximate dis	stances to each and appro	ximate bumbii	ig rate of each. If po	221016' Moinare II
they were turned on or off	during the test:			
Well elevation is below  Description of measuring p			st side) vent hole wel	seal
Measuring point distance				
Static water level measu				the hour hefore
pumping begins at no less		IIII ee III easure	mento are required in	Tito float balaic
	•	ane noint	Depth to water be	low land surface
9:00	Depth to water below m 24' 6"	eas. point	23' 6"	ow land surrace
9:30	24' 6"		23' 6"	
10:00	24' 6"		23' 6"	
Discharge measurement	s. (A discharge measure)	nent is require	d at the start of pum	ping and at least
once an hour during the te	est: additional measuremen	nts should be r	noted on the Pump T	est Data Sheet):
Time	Discharge Rate		Discharge Units (	
10:00	400		gpm	
11:00	400		gpm	
12:00	400		gpm	
1:00	· 400		gpm	
2:00	400		gpm	
Time pump turned on:	Date 2-17-16		Time 10:00 am	
Time pump turned off:	Date 2-17-16		Time 2:00 pm	The Real of the Party of the Pa
Total pumping time:	4 hours	mi	nutes	
Note: Well must be idle for				B T TANK ATA YOUNG B A TOW
	btained from our web site		wrd.state.or.us	WAY 21 3002017
- · · · · · · · · · · · · · · · · · · ·	I H Og c			0 5011
Required Signature:	and my			
	(			OWRD

PAGE 02/03

LIZHEKZ SUPPLY INC

04/01/2016 11:50 5032638369

#### Oregon Water Resources Department

## **PUMP TEST DATA SHEET**

				Page	-1	of
Application:	G-15567	Permit: G-15646	Certificate:	Pod_ld:		

All water-level measurements must either be in feet and inches, or feet and decimal fractions.

Drawdown Data Recovery Data											
Date	Time	ce arted }	llow g Pt	Depth to Water Below Land Surface	Comments	Dato	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
2-17-16	9:00		24.6,	23' 6'		2-17-18					
	10,03		43'	42'	400 GPM		2:02		\$8161	34' 6"	
	10 02		45'	42			2.04		33' 11'	32' 11"	
	10,04		43'	4;}			2 0 5		32' 11"	31'11'	
	10:06		43 3'	42' 3"			2 08		32	311	
	10.08		43'6'	42'6"			2:10		31'6'	30,42	
	11):10		43' 10'	42 10			2:15		30.3.	58,3.	
	10.16		44'1'	43' 1"			220	ļ	39' B'	28' 6"	
	10 20		44.6.	43' 6"			275	ļ <u> </u>	26/11	2ê° 1"	
	10:25		45	44'	400 gpm		230		26' 8"	27 (1"	
	10 30		45' 11"	44, 11,			2:45		27' 7"	26' / '	
	10 45	ļ	47	45'			3.00		26.6	25° A'	
	11.60		46'	47'			3:15	-	26' 1"	25' 1"	
	11:15	ļ	48/	46'				<b>_</b>		<del> </del>	
	11:30		46'	48.	400 дрп						
	11:45	ļ	49'	48"					<del> </del>		
	1200	-	49'	48°							
	12:15	ļ	46	45'				-			
	12:50		46	46'				-	-		
	12:46		49'	48	400 gpm		-	-			
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	1:30		49	46'							
	1:45		45	46'		<b></b>		-		1	
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Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

OWRD 2/9/2000

MAY 1 9 2017



Water Resources Department

North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

May 16, 2017

Raymon J. Neuschwander 6097 Whiskey Hill Rd. Hubbard, Oregon 97032

Reference: Application G-15567, Permit G-15646

The partial assignment from Joel Neuschwander to Raymon J. Neuschwander has been recorded in the records of the Water Resources Department.

The Departments records will now show Raymon J. Neuschwander and Ray Gannon as the permit holders of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 123377 covering the recording fee is also enclosed.

A permit is not a perfected water right, and has conditions and timelines that must be satisfied prior to a Certificate of Water Right being issued. Please review the permit to be familiar with the conditions and timelines contained in the permit.

Please note that this permit required complete application of water to the proposed use by October 1, 2015, and within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE). As of this date, the claim of beneficial use has not been received by the Department.

Sincerely

Jerry Sauter

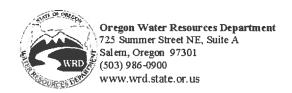
Water Rights Program Analyst Water Right Services Division

Enclosure: Receipt 123377

cc: Watermaster 20 Ray Gannon

Data Center, OWRD (cover letter & request)

File



# Request for Assignment

If for multiple rights, a separate form and fee for each right will be required. I Raymon J. Neuschwander as Agent and attorney-in-fact for A. Joel Neuschander (Name of Applicant / Permit / Transfer Holder / License Holder/GR Certificate of Registration) 6097 S Whiskey Hill Road Hubbard Or 97032 503-320-7502 (Mailing Address) (City) (State) (Zip) (Phone #) hereby assign <u>all mv interest</u> in and to application/permit/transfer/license/GR Certificate of Registration: hereby assign <u>all my interest</u> in and to a portion of application/permit/transfer/license/GR Certificate of Registration; (You must include a map showing the portion of the application/permit/transfer/license/GR Certificate of Registration to be assigned) hereby assign a portion of mv interest in and to the entire application/permit/transfer/license/GR Certificate of Registration: Application #G-15567 ; Permit # G-15646 \_\_\_\_; GR Certificate of Registration #\_\_\_\_ ; GR Statement # As filed in the office of the Water Resources Director, to: Raymon J. Neuschwander (Name of New Owner) 6097 S Whiskey Hill Road Hubbard OR 97032 503-320-7502 (Mailing Address) (City) (State) (Zip) (Phone #) Note: If there are other owners of the property described in the Application, Permit, Transfer, License, or GR Certificate of Registration, you must provide a list of all other owners' names and mailing addresses and attach it to this form. I hereby certify that I have notified all other owners of the property described in this Application. Permit, Transfer, License, or GR Certificate of Registration of this Request for Assignment Witness my hand this Applicant/Permit Holder,

#### DO NOT WRITE IN THIS BOX

This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salam Oregon.

Applicant/Permit Holder

Fee receipt # (23377

For Director by Jerry Sauter Hybrida Madyst in Water Rights Division

The completed "Request for Assignment" form *must* be submitted to the Department along with the recording fee of \$85.

RECEIVED

MAY 1 2017

Request for Assignment

Last updated: July 19, 2013

OWRD

## **Assignment Checklist**

Remember, if a certificate has been issued, an ownership update is what is needed.

- N Is the request on the proper form?
- N Is the form completely filled out, name, full or partial assignment, app and permit #'s
- (Y) N Does the name of the permit holder match the file?
- Y N Form Dated and Signed in ink?
- N For Simple Assignment is the signature the same as in the file? if the right is in multiple names, we will need all signatures.
- Y N If for assignment in Absence of Permit Holder (by Proof) has acceptable proof of ownership been provided?
- N If for Partial Assignment, is there a map that clearly shows the part to be assigned?
- Y N Have the proper fees been included?

For all assignments that will be returned, please note reason(s) in note section below

O LINDIN, WAR ELLEN, WITH S. SHIT.

Acceptable Proof of Ownership may include but not be limited to: a copy of the deed to the land, a copy of a land sales contract, a court order or decree, documentation of survivorship of property held jointly. The Department cannot accept a copy of a tax statement.

Notes:

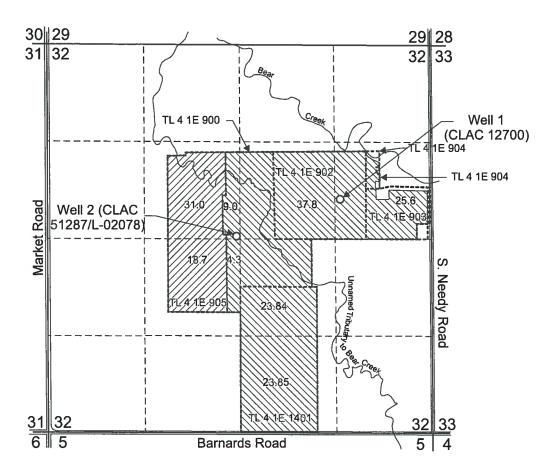
March 31, 2015 groups/wr/jks-stuff/assignment checklist

RECEIVED

MAY 1 1 2017

**OWRD** 

# T.4S. R.1E. Section 32, W.M.



Well 1 (CLAC 12700) is located 550 feet north and 1,250 feet west from the east 1/4 corner, Section 32.

Well 2 (CLAC 51287/L02078) is located 50 feet north and 50 feet west from the center 1/4 corner, Section 32.

Area (124.39 acres) to be assigned to Ray Neuschwander.

Area (49.7 acres) to be assigned to Ray Gannon.

----- Tax lot boundary

## **RECEIVED**

MAY 11 2017

**OWRD** 

Scale: 1" = 1,320'

0 1,320

Feet

This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Map to Accompany Request for Assignment Application G-15567, Permit G-15646

T4.S. R.1E. Section 32, W.M.

Pacific Hydro-Geology Inc.

2016 - bgp

#### FINANCIAL POWER OF ATTORNEY

- I, A. JOEL NEUSCHWANDER, of Hubbard, Oregon, appoint RAYMON J. NEUSCHWANDER as my Agent and attorney-in-fact ("my Agent"), with power and authority to:
- 1. <u>Support</u>. Make expenditures for my care, health, education, support, maintenance, and general welfare.
- 2. <u>Managing and Disposing of Assets</u>. Take possession of, retain, change the form of, manage, maintain, improve, lease, grant options on, encumber, sell, exchange, or otherwise dispose of any of my real or personal property or any interest in property, in any manner and on any terms my Agent considers to be in my best interests.
- 3. <u>Checks and Notes</u>. Receive, endorse, sign, sell, discount, deliver, and deposit checks, drafts, notes, and negotiable or nonnegotiable instruments, including any drawn on the Treasury of the United States or the state of Oregon or any other state or governmental entity.
- 4. <u>Financial Institutions</u>. Enter into any transaction with and contract for any services rendered by a financial institution, including continuing, modifying, or terminating existing accounts; opening new accounts; drawing, endorsing, or depositing checks, drafts, and other negotiable instruments; acquiring and transferring certificates of deposit; withdrawing funds deposited in my name alone or in my name and the name of any other person or persons; and providing or receiving financial statements. "Financial institutions" means banks, trust companies, savings banks, commercial banks, savings and loan associations, credit unions, loan companies, thrift institutions, mutual fund companies, investment advisors, brokerage firms, and other similar institutions.
- 5. <u>Investments and Securities Transactions</u>. Invest and reinvest in common or preferred stocks, bonds, mutual funds, common trust funds, money market accounts, secured and unsecured obligations, mortgages, and other real or personal property; engage in investment transactions with any financial institution; and hold my securities in the name of my Agent's nominee or in unregistered form.
- 6. <u>Insurance and Annuity Contracts</u>. Purchase, maintain, modify, renew, convert, exchange, borrow against, surrender, cancel, and collect or select payment options under any insurance or annuity contract. Any receipt, release, or other instrument executed by my Agent in connection with any insurance or annuity contract shall be binding and conclusive upon all persons.

MAY 11 2017

IAN 2 2 2015



- 7. <u>Business Interests</u>. Continue, participate in, sell, reorganize, or liquidate any business or other enterprise owned by me, either alone or with any other person or persons.
- 8. <u>Voting</u>. Appear and vote for me in person or by proxy at any corporate or other meeting.
- 9. <u>Flower Bonds</u>. Purchase U.S. Treasury bonds redeemable at par in payment of federal estate tax, and borrow funds and pledge the bonds as collateral to make the purchase.
- 10. Retirement Plans. Establish, modify, contribute to, borrow from, select payment options under, make elections under, receive payments from, make rollovers to, and take any other steps I might take with respect to IRA accounts and other retirement plans.
- 11. <u>Credit Cards</u>. Cancel or continue my credit cards and charge accounts, use my credit cards to make purchases, and sign charge slips on my behalf.
- 12. <u>Collections</u>. Demand and collect any money or property owed to me and give a receipt or discharge for the money or property collected.
- 13. <u>Debts</u>. Pay my debts and other obligations.
- 14. <u>Litigation</u>. Sue upon, defend, compromise, or submit to arbitration any controversies in which I may be interested; and act in my name in connection with any complaint, proceeding, or suit.
- 15. Borrowing. Borrow in any manner and on any terms my Agent considers to be in my best interests (including borrowing from my Agent's own funds), and give security for repayment.

  MAY 11 2017
- 16. <u>Lending</u>. Lend funds to any person, provided that the loan is adequately secured and bears a reasonable rate of interest.
- 17. Taxes and Assessments. Do the following with respect to any tax years: pay any tax or assessment; appear for and represent me, in person or by attorney, in all tax matters; execute any power of attorney forms required by the Internal Revenue Service, the Oregon Department of Revenue, or any other taxing authority; receive confidential information from any taxing authority; prepare, sign, and file federal, state, and local tax returns and reports for all tax matters, including income, gift, estate, inheritance, generation-skipping, sales, business, FICA, payroll, and property tax matters; execute waivers, including waivers of restrictions on assessment or collection of tax deficiencies and waivers of notice of disallowance of a claim for

credit or refund; execute consents, closing agreements, and other documents related to my tax liability; make any elections available under federal or state tax law; and delegate authority or substitute another representative with respect to all matters described in this paragraph.

- 18. Government Benefits. Perform any act necessary or desirable in order for me to qualify for and receive all types of government benefits, including Medicare, Medicaid, Social Security, veterans', and workers' compensation benefits. The power granted under this paragraph shall include the power to dispose of any property or interest in property by any means (including making gifts or establishing and funding trusts) and the power to name or change beneficiaries under insurance policies, payon-death arrangements, retirement plans and accounts, and any other assets, provided that any disposition or designation shall be consistent with my existing estate plan to the extent reasonably possible.
- 19. <u>Disclaimer</u>. Disclaim any property, interest in property, or power to which I may be entitled; and take all steps required to make the disclaimer effective under state and federal laws, including Section 2518 of the Internal Revenue Code or any successor statute. In deciding whether to disclaim, my Agent shall consider the effect of disclaimer on taxes that may be payable, on qualification for government benefits, and on my existing estate plan.
- 20. <u>Elective Share Rights</u>. Exercise any right to claim an elective share in any estate or under any Will.
- 21. <u>Fiduciary Positions</u>. Resign from or renounce on my behalf fiduciary positions, including personal representative, trustee, conservator, guardian, attorney-in-fact, and officer or director of a corporation; and discharge me from further responsibility by filing accountings with a court or settling by formal or informal methods.
- 22. <u>Safe Deposit Box</u>. Have access to and make deposits to or withdrawals from any safe deposit box rented in my name alone or in my name and the name of any other person or persons.
- 23. <u>Mail</u>. Redirect my mail.
- 24. <u>Custody of Documents</u>. Take custody of important documents, including any Will, trust agreements, deeds, life insurance policies, and contracts.
- 25. <u>Employees and Advisors</u>. Employ, compensate, and discharge attorneys, accountants, investment advisors, property managers, custodians, physicians, dentists, nurses, household help, and others to render services to me or for my benefit.

  RECEIVED

MAY 1 1 2017

JAN 2 2 2015



- Gifts. Make gifts and consent to split gifts on my behalf, whether outright, in trust, 26. or in custodianship, to or for the benefit of my lineal descendants and any charitable organizations to which I have contributed.
  - Gifts made under this paragraph need not be limited to the amount eligible for exclusion from taxable gifts under Section 2503 of the Internal Revenue Code or any successor statute.
  - The power granted under this paragraph shall include the unlimited power to make gifts to or for the benefit of my Agent, my Agent's estate, my Agent's creditors, the creditors of my Agent's estate, or any person whom my Agent has a legal duty to support.
  - 26.3 Gifts made under this paragraph shall be consistent with my existing estate plan to the extent reasonably possible and with the reduction or elimination of estate and inheritance taxes payable by reason of my death.
- Trusts. Establish a revocable or irrevocable trust, amend or terminate an existing 27. trust, and transfer any of my real or personal property to a trust.
- Beneficiary Designations. Designate or change beneficiaries under insurance policies, 28. pay-on-death arrangements, retirement plans and accounts, and any other assets, provided that any beneficiary designation shall be consistent with my existing estate plan to the extent reasonably possible. This power includes the power to designate my Agent as a beneficiary.
- Perform Other Acts to Carry Out the Powers Granted. Execute and deliver any 29. written instrument and perform any other act necessary or desirable to carry out any of the powers granted to my Agent under this power of attorney, as fully as I might do personally. I ratify and confirm all acts performed by my Agent pursuant to this power of attorney.
- Third Party Reliance. Third parties who rely in good faith on the authority of my 30. Agent under this power of attorney shall not be liable to me, to my estate, or to my heirs, successors, or assigns. Third parties without actual notice of revocation may conclusively rely on the continued validity of this power of attorney. If requested, my Agent shall furnish, and a third party may conclusively rely on, an affidavit or certificate stating that (1) I was competent at the time this power of attorney was executed, (2) the power of attorney has not been revoked, (3) my Agent continues to serve as attorney-in-fact under the power of attorney, and (4) my Agent is acting within the scope of authority granted under the power of attorney. My Agent may sue or pursue other action against any third party who refuses to honor this power of attorney after such an affidavit or certificate has been provided.

WATER RESOURCES DEFT SALEM, ORFOOM

- 31. <u>Durability</u>. The powers granted to my Agent under this power of attorney shall continue to be exercisable even though I have become disabled or incompetent.
- 32. <u>Governing Law</u>. The validity and construction of this power of attorney shall be determined under Oregon law.

I have signed this power of attorney this 28 day of March, 2009.

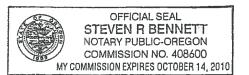
A. JOEL NEUSCHWANDER

STATE OF OREGON

) ss.

County of Multnomah

On this day of March, 2009 before me personally appeared A JOEL NEUSCHWANDER and acknowledged to me that he executed this power of attorney freely and voluntarily.



NOTARY PUBLIC for Oregon
My Commission Expires:

RECEIVED

MAY 1 1 2017

**OWRD** 

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JAN 2 2 2015

## SIGNATURE OF AGENT

Agent acknowledges that the following is Agent's signature:

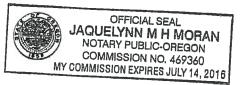
RAYMON J. NEUSCHWANDER

STATE OF OREGON ) ss.

County of Multumsh

SUBSCRIBED AND SWORN to before me on <u>JULIANDER</u>, by RAYMON J. NEUSCHWANDER.

NOTARY PUBLIC for Oregon
My Commission Expires: 7/4/6





MAY 1 1 2017

**OWRD** 

electeve)

JAN 2 2 2015

EIVED FRO	M: Neuschwander's		APPLICATION	6-15567
	Nursery, L.L		PERMIT	
SH: C	CHECK:# OTHER: (IDENTIF	Υ)	TRANSFER	
	¥ 1266 □		TOTAL REC'D	\$ 85.00
1083	TREASURY 4170 WR	D MISC CASH	I AGCT	
0407	COPIES			\$
	OTHER: (IDENTIFY)			\$
0243 I/S L	ease 0244 Muni Water Mgm	t. Plan	0245 Cons. Water	_
	4270 WR	D OPERATING	G ACCT	
	MISCELLANEOUS	16111		
0407	COPY & TAPE FEES			\$
0410	RESEARCH FEES	decim		\$
0408	MISC REVENUE: (IDENTIFY)	Assigna	IRNI	\$ 85.00
TC162	DEPOSIT LIAB. (IDENTIFY)			\$
0240	EXTENSION OF TIME			\$
	WATER RIGHTS:	EXAM F	EE.	RECORD FEE
0201	SURFACE WATER	\$	0202	\$
0203	GROUND WATER	\$	0204	\$
0205	TRANSFER	\$		
	WELL CONSTRUCTION	EXAM F	EE	LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	\$	0219	\$
	LANDOWNER'S PERMIT		0220	\$
	OTHER (IDENTIFY)			
0536		LL CONST. S		
0211	WELL CONST START FEE	\$	CARD	
0210	MONITORING WELLS	\$	CARD	#
1	OTHER (IDENTIFY)			
0607	TREASURY 0467 HY	DRO ACTIVIT	Y LIC NUMBER	
0233	POWER LICENSE FEE (FW/WRD)			\$
0231	HYDRO LICENSE FEE (FW/WRD)			\$
	HYDRO APPLICATION			\$
	TREASURY OTH	SECEIV	ED -	Fig. 18 March 2018
	OVE	RTHECO	DUNTER	
FUND	TATLE			
	DE VENDOR#	文章·智力/企作		

### **CLARK Gerald E \* WRD**

From:

CLARK Gerald E \* WRD

Sent:

Thursday, April 06, 2017 11:19 AM

To:

'Brook geffen-prett'

**Subject:** 

RE: Submitted Doc for App. G-15567, Permit G-15646, Neuschwander/Gannon

**Attachments:** 

scan\_170406102140.PDF

Brook,

I pulled the file and found a signed copy of the letter. I have attached a copy for your reference.

Gerry

**Gerry Clark** Water Right Services Division Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301

Phone: 503-986-0811

From: Brook geffen-prett [mailto:geffenprettphg@gmail.com]

Sent: Wednesday, April 05, 2017 1:36 PM

**To:** CLARK Gerald E \* WRD

Subject: Submitted Doc for App. G-15567, Permit G-15646, Neuschwander/Gannon

Hi, Gerry -

Hope this finds you doing well!

In the process of pulling together last items to submit the COBU for this one. PHG prepared a letter for Ray Neuschwander to sign and submit with the COBU. However it appears he sent it straight to OWRD.

Any chance you can confirm the attached latter was signed, submitted and added to the file? If not you let me know if there's a better person to contact.

Thank you!

Brook

**Brook Geffen-Prett** Pacific Hydro-Geology Inc. 18487 S Valley Vista Road Mulino, OR 97042 phone: (503) 810-6780

## Pacific Hydro-Geology Inc.

18487 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016

January 28, 2017

Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, OR 97301

Re: Proposed Place of Use vs. Claimed Place of use

#### **OWRD Staff:**

On July 7, 2011 Joel Neuschwander submitted Application G-15567. The map submitted with the application shows hatching on TL 4 1E 32 1000. But as confirmed by the original Land Use Information Form and identified landowner (my father, Joel Neuschwander) on the original application, the applicant never intended to propose use of water on this tax lot.

Additionally, the original applicant (my father, Joel Neuschwander) has:

- 1. Never owned any portion of TL 4 1E 32 1000;
- 2. Never had any type of formal or informal agreement with the landowners of TL 4 1E 32 1000 allowing them access to the authorized wells; and
- 3. Never made beneficial use of water on any portion of TL 4 1E 32 1000.

#### Furthermore, I have:

- 1. Never owned any portion of TL 4 1E 32 1000;
- 2. Never had any type of formal or informal agreement with the landowners of TL 4 1E 32 1000 allowing them access to the authorized wells; and
- 3. Never made beneficial use of water on any portion of TL 4 1E 32 1000.

Accordingly, the submitted Claim of Beneficial Use does not claim use of water on this tax lot.

Signature of legal owner as listed on deed

RECEIVED BY OWRD

MAR 1 0 2017

SALEM, OF

## **CLARK Gerald E \* WRD**

From:

Brook geffen-prett < geffenprettphg@gmail.com>

Sent:

Wednesday, April 05, 2017 1:36 PM

To:

CLARK Gerald E \* WRD

Subject:

Submitted Doc for App. G-15567, Permit G-15646, Neuschwander/Gannon

**Attachments:** 

Ownership\_Letter\_2017\_01\_30\_bqp.doc

Hi, Gerry -

Hope this finds you doing well!

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Any chance you can confirm the attached latter was signed, submitted and added to the file? If not you let me know if there's a better person to contact.

Thank you! Brook

Brook Geffen-Prett Pacific Hydro-Geology Inc. 18487 S Valley Vista Road Mulino, OR 97042 phone: (503) 810-6780

fax: 503-632-5983

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Signature of legal owner as listed on deed	Date	

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Accordingly, the submitted Claim of Beneficial Use does not claim use of water on this tax lot.

Signature of legal owner as listed on deed

Date

RECEIVED BY OWRD

MAR 1 0 2017

SALEM, OR

## **CLARK Gerald E \* WRD**

From: Sent: To: Subject:	CLARK Gerald E * WRD Thursday, January 26, 2017 5:00 PM 'Brook geffen-prett' RE: Following Up on App. G-15567, Permit G-15646, Gannon & Neuschwander
Brook,	
I agree with your summary.	
Have a great evening!	
Gerry	
Gerry Clark Water Right Services Division Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301	
Phone: 503-986-0811	
From: Brook geffen-prett [mailto Sent: Thursday, January 26, 201 To: CLARK Gerald E * WRD Subject: Following Up on App. 0	
Gerry: Following up on conversation	I just wanted to capture my understanding of your guidance for the COBU.
	000 was erroneously included in the original application due to hatchering on the n order to address this within the COBU your recommendation is include:
<ul> <li>Orignal application sho</li> <li>Original LUIF showing</li> <li>Letter signed by Ray N</li> <li>1. The original late</li> <li>2. Never owned a</li> </ul>	ations" of the COBU; iations" this portion is not being claimed within the COBU; owing ownership is excludes TL 4 1E 32 1000; g TL 4 1E 32 1000 was never approved by county or reviewed by OWRD; Neuschwander that captures the following:  Indowner and holder of Permit G (my father, Joel Neuschwander) has: Indowner and holder of Permit G (my father, Joel Neuschwander) has: Indowner and formal or informal agreement with the landowners of TL 4 1E 32 1000
allowing them	access to the authorized wells; and eneficial use of water on any portion of TL 4 1E 32 1000.
o Furthermore, a	s the current landowner and holder of Permit G, I have: owned any portion of TL 4 1E 32 1000;

- 2. Never had any type of formal or informal agreement with the landowners of TL 4 1E 32 1000 allowing them access to the authorized wells; and
- 3. Never made beneficial use of water on any portion of TL 4 1E 32 1000

Based on our conversation it is my understanding that a formal affidavit and notary are not required to effectively communicate the above information

Let me know if I missed anything or and/or incorrectly captured anything.

Thanks for your help and feedback on this Gerry. Very appreciated! All best.

Brook

Brook Geffen-Prett Pacific Hydro-Geology Inc. 18487 S Valley Vista Road Mulino, OR 97042 phone: (503) 810-6780

fax: 503-632-5983



Water Resources Department

North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

October 6, 2016

Willamette Tree Wholesale, Inc. 5244 SE Castle Rock Ct. Milwaukie, Oregon 97267

Reference: Application G-15567, Permit G-15646

The partial assignment by proof from Joel Neuschwander to Ray Gannon has been recorded in the records of the Water Resources Department.

The Departments records will now show Joel Neuschwander and Ray Gannon as the permit holder of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 121502 covering the recording fee is also enclosed.

A permit is not a perfected water right, and has conditions and timelines that must be satisfied prior to a Certificate of Water Right being issued. Please review the permit to be familiar with the conditions and timelines contained in the permit.

Sincerel

Jerry Sauter

Water Rights Program Analyst Water Right Services Division

Enclosure: Receipt 121502

cc: Watermaster 20 Joel Neuschwander

Data Center, OWRD (cover letter & request)

Hydrographics

File



# Request for **Assignment**

RECEIVED BY OWI

OCT 03 2016

By Proof of Ownership (If Water Right Holder is Not Available)

SALEM, OR

If for multiple rights, a separate form and fee for each right will be required.
I, Kay Ganyon (Name of Party Requesting Assignment)
5244 SE Castle Rock of Milway Nie Or 97267 503 (Mailing Address) (City) (State) (Zip) (Phone #) 630
hereby request assignment of application/permit/transfer/license/GR Certificate of Registration;
hereby request assignment of a <u>portion</u> of application/permit/transfer/license/GR Certificate of Registration; (You must include a map showing the portion of the application/permit/transfer/license/GR Certificate of Registration to be assigned.)
I have attached proof of ownership that may include but not be limited to: a copy of the deed to the land, a copy of a land sales contract, a court order or decree, documentation of survivorship of property held jointly. The Department cannot accept a copy of a tax statement.
Application # (7 - 15567; Permit # & - 15646; Transfer#
License # GP Statement # GP Cartificate of Pagistration #
Leo E Gentry Wholesale Nursery Tinc.  (Name of Holder of Record)
1/251 SE 232nd ave (+ reshown 0,97080 5036585)  (Mailing Address) (City) (State) (Zip) (Phone #)
Note: You are required to furnish proof acceptable to the Department that notice of the assignment has been given or attempted for each identified property owner not a party to the assignment. ORS 537.220(2)  Failure to submit this proof will result in the return of your request. (Proof may include but not be limited to: a copy of returned certified mailing, copy of a Death Certificate, or a court order.)
<ol> <li>I certify that I am the current owner of the property described in this application, Permit, transfer, license or GR Certificate of Registration.</li> <li>I have the legal right to request assignment under OAR 690-310-0280 and 690-320-0060.</li> <li>I have not been able to contact the owner(s) of record for the above referenced application or water</li> </ol>
3) I have not been able to contact the owner(s) of record for the above referenced application or water right.  4) I further certify that the information provided herein is true and correct to the best of my knowledge.
Witness my hand this 10 day of Sept , 20 16.
Party Requesting Assignment Ray San
Party Requesting Assignment

DO NOT WRITE IN THIS BOX

This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salem, Oregon. Fee receipt # [21502]
For Director by Jerry Sayler Program Apalyst is Water Rights Division

The completed "Request for Assignment" form *must* be submitted to the Department CEIVED BY OWRD along with the recording fee of \$85.

SEP 1 5 2016

From: Brook geffen-prett geffenprettphg@gmail.com Subject: Assignment for Water Right Permit G-15646

Date: Today at 1:46 PM

To: Ray Gannon treman3157@aol.com

# Ray:

Attached are two documents you'll need to print, sign and mail to OWRD in order to complete the assignment from Joel to you. You'll need to include a check to OWRD for \$85.

Let me know if you have any questions.

RECEIVED BY OWRD

OCI '0 3 2016

SALEN JA

SALEM, OR

Brook Geffen-Prett
Pacific Hydro-Geology Inc.
18487 S Valley Vista Road

**Mulino, OR 97042** 

phone: (503) 810-6780

fax: 503-632-5983

RECEIVED BY OWRD

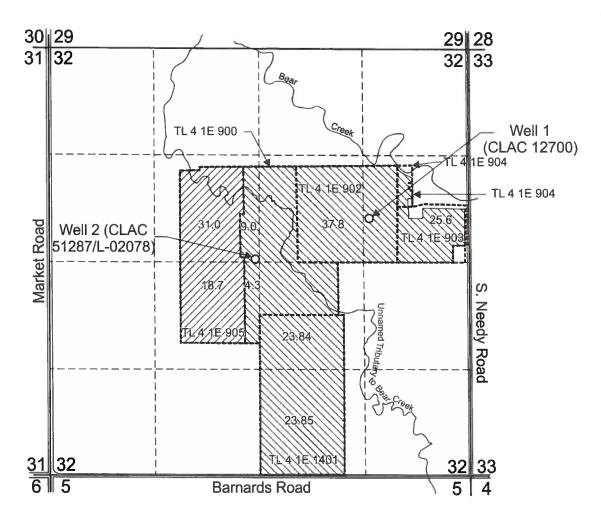
SEP 1 5 2016

SALEM, OR

T.4S. R.1E. Section 32, W.M.

30 29 31 32 29 32 33

# T.4S. R.1E. Section 32, W.M.



Well 1 (CLAC 12700) is located 550 feet north and 1,250 feet west from the east 1/4 corner, Section 32. Well 2 (CLAC 51287/L02078) is located 50 feet north and 50 feet west from the center 1/4 corner, Section 32.

Area (124.39 acres) to be assigned to Ray Neuschwander.

Area (49.7 acres) to be assigned to Ray Gannon.

----- Tax lot boundary

RECEIVED BY OWRD

SEP 1 5 2016

RECEIVED BY OWRD

SALEM, OR

OCT 0 3 2016

This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

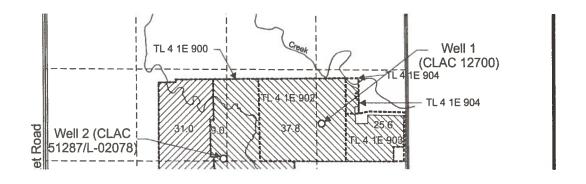
Scale: 1" = 1,320'

0 1,320
Feet

Map to Accompany Request for Assignment Application G-15567, Permit G-15646

Pacific Hydro-Geology Inc.

T4.S. R.1E. Section 32, W.M.



HERETEN PEDBY COMPRED

SEEP1 15 52016

SALEMOBR

1.000000 1.000000

Clackamas County Official Records Sherry Hall, County Clerk 2015-014901

03/19/2015 01:00:40 PM

D-D Cnt=1 Stn=6 KARLYN \$10.00 \$16.00 \$10.00 \$20.00 \$22.00

\$78.00

**GRANTOR:** 

Northwest Farm Credit Services, FLCA, who acquired title as Northwest Farm Credit Services, PCA
12 SW Nye Avenue
Pendleton, OR 97801

RECORDING REQUESTED BY:

Fidelity National Title Company of Oregon

**GRANTEE:** 

Raymond Gannon and Marguerite Gannon, as tenants by the entirety 7289 S Barnards Road Canby, OR 97013

SEND TAX STATEMENTS TO: Raymond Gannon and Marguerite Gannon 13989 SE 139th Avenue Clackamas, OR 97015

AFTER RECORDING RETURN TO: Raymond Gannon and Marguerite Gannon 13989 SE 139th Avenue Clackamas, OR 97015

Escrow No: FT140048622-FTMWV01

A ORIGINAL

RECEIVED 31 CTIMO

OCI 10 3 2913

SALEM, OF

7289 S Barnards Road Canby, OR 97013

SPACE ABOVE THIS LINE FOR RECORDER'S USE

# BARGAIN AND SALE DEED - STATUTORY FORM (INDIVIDUAL or CORPORATION)

Northwest Farm Credit Services, FLCA, who acquired title as Northwest Farm Credit Services, PCA, Grantor, conveys to

Raymond Gannon and Marguerite Gannon, as tenants by the entirety, Grantee, the following described real property, situated in the County of Clackamas, State of Oregon,

SEE LEGAL DESCRIPTION ATTACHED HERETO

The true consideration for this conveyance is \$1,800,000.00. (See ORS 93.030).

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

> FT140048622-FTMWV01 Deed (Bargain and Sale – Statutory Form)



**Water Resources Department** 

North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

September 16, 2016

Willamette Tree Wholesale, Inc. 13989 SE 139<sup>th</sup>. Ave. Clackamas, Oregon 97015

Reference: Application G-15567, Permit G-15646

The requested assignment could not be performed as proof of ownership to the property involved was not included.

Please return the request, fees and proof of ownership so that the Department may assign this water right. The Department cannot accept a tax bill as proof.

Sincerely,

Jerry Sauter

Water Rights Program Analyst Water Right Services Division

Enclosure: Request, check

cc: file

**RECEIVED BY OWRD** 

OCT '03 2016

SALEM, OH

1083 TREASURY 4170 WRD MISC CASH ACCT	85.00 85.0
S	RECORD FE
S	RECORD FE
	RECORD FE
MISCELLANEOUS  0407 COPY & TAPE FEES  0410 RESEARCH FEES  0408 MISC REVENUE: (IDENTIFY)  TC162 DEPOSIT LIAB. (IDENTIFY)  0240 EXTENSION OF TIME  WATER RIGHTS:  0201 SURFACE WATER  0203 GROUND WATER  0205 TRANSFER  WELL CONSTRUCTION  \$ \$  \$  \$  \$  \$  \$  \$  \$  \$  \$  \$  \$	RECORD FE
0407 COPY & TAPE FEES  0410 RESEARCH FEES  0408 MISC REVENUE: (IDENTIFY)  TC162 DEPOSIT LIAB. (IDENTIFY)  0240 EXTENSION OF TIME  WATER RIGHTS:  0201 SURFACE WATER  0203 GROUND WATER  0205 TRANSFER  WELL CONSTRUCTION  \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	RECORD FE
0218 WELL DHILL CONSTRUCTION  LANDOWNER'S PERMIT  OTHER (IDENTIFY)  0536 TREASURY 0437 WELL CONST. START FEE  0211 WELL CONST START FEE  0210 MONITORING WELLS  \$ CARD # CARD #	LICENSE F
DEASURY 0467 HYDRO ACTIVITY LIC NUMBER	
0233 POWER LICENSE FEE (FW/WRD) 0231 HYDRO LICENSE FEE (FW/WRD) HYDRO APPLICATION	\$ \$ \$
TREASURY OTHER / RDX	100 P. C.



# **Water Resources Department**

North Mall Office Building 725 Summer St NE, Suite A Salem, OR 97301 Phone (503) 986-0900 Fax (503) 986-0904 www.wrd.state.or.us

September 16, 2016

Willamette Tree Wholesale, Inc. 13989 SE 139<sup>th</sup>. Ave. Clackamas, Oregon 97015

Reference: Application G-15567, Permit G-15646

The requested assignment could not be performed as proof of ownership to the property involved was not included.

Please return the request, fees and proof of ownership so that the Department may assign this water right. The Department cannot accept a tax bill as proof.

Sincerely

Jerry Sauter

Water Rights Program Analyst Water Right Services Division

Enclosure: Request, check

cc: file

6-15567

# **CLARK Gerry E**

From:

CLARK Gerry E

Sent:

Tuesday, March 08, 2016 10:17 AM

To:

'Brook geffen-prett'

Subject:

RE: COBU Question for Permit G-15646

Brook.

Unless the current owner of Tax Lot 1000 is willing to sign a request for partial diminution, or a letter stating that they do not intend to develop the use on the lot, I think you are stuck with the partial Claim.

Gerry

**Gerry Clark** Water Right Services Division Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301

Phone: 503-986-0811

**From:** Brook geffen-prett [mailto:geffenprettphg@gmail.com]

Sent: Monday, March 07, 2016 9:56 AM

To: CLARK Gerry E

Subject: COBU Question for Permit G-15646

Hi, Gerry!

PHG is working on a COBU and as you can see by the attached map, there is a tiny tax lot in the SW portion of the right (4S 1E 32 1000) that was erroneously included in the application in 2001.

The permit holder and PHG have requested the tax lot holder complete a Partial Diminution of the permit for this portion but things have stalled out on their end because they are exceedingly confused.

All that to say, PHG is trying to identify alternative solutions so that they can keep the COBU process moving forward. Submitting a partial COBU is one option. However, the permit holder is hoping for an option that would be more expeditious. Any thoughts?

Thanks, Gerry and all best!

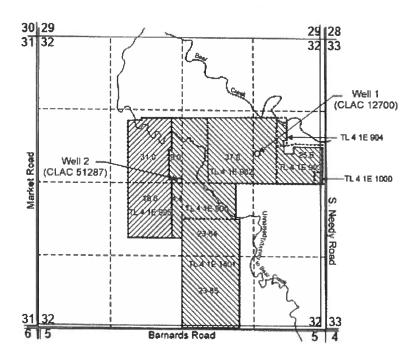
**Brook** 

PLEASE NOTE: My phone number has changed. The new and current phone number is: 503-810-6780

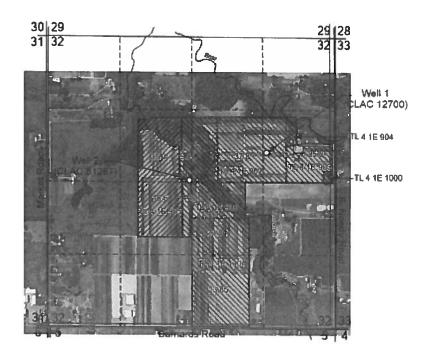
**Brook Geffen-Prett** Pacific Hydro-Geology Inc. 18487 S Valley Vista Road Mulino, OR 97042 phone: (503) 810-6780

fax: 503-632-5983

T.4S. R.1E. Section 32, W.M.



T.4S. R.1E. Section 32, W.M.



# **CLARK Gerry E**

From:

Brook geffen-prett < geffenprettphg@gmail.com>

Sent:

0

Tuesday, March 08, 2016 1:42 PM

То:

CLARK Gerry E

Subject:

Re: COBU Question for Permit G-15646

**Attachments:** 

both\_girls.jpg

Gerry -

That's what I was afraid of!;) Thanks for letting me know.

All best!

**Brook** 

ps - my days with Loch Ness Monster of late...

On Tue, Mar 8, 2016 at 10:17 AM, CLARK Gerry E < gerald.e.clark@state.or.us> wrote:

Brook,

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Gerry

Gerry Clark

Water Right Services Division

Water Resources Department

725 Summer Street NE, Suite A

Salem, Oregon 97301

Phone: <u>503-986-0811</u>

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To: CLARK Gerry E

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Thanks, Gerry and all best!

**Brook** 

PLEASE NOTE: My phone number has changed. The new and current phone number is: 503-810-6780

**Brook Geffen-Prett** 

Pacific Hydro-Geology Inc.

18487 S Valley Vista Road

Mulino, OR 97042

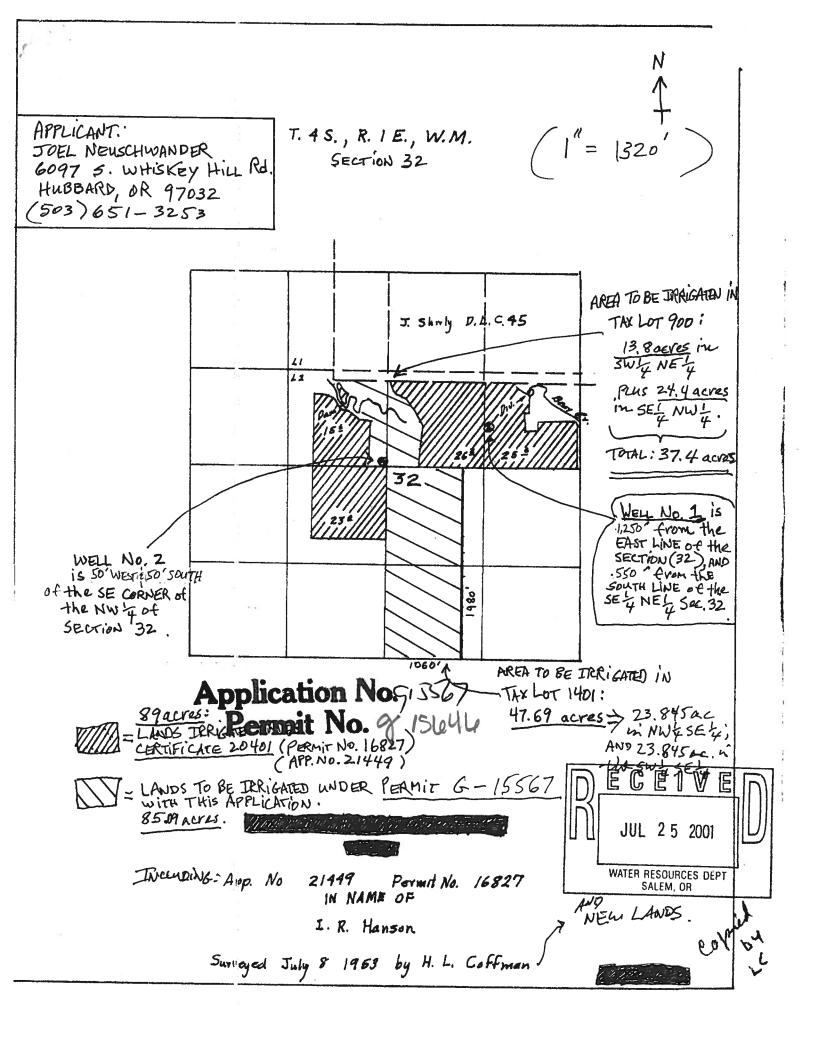
phone: (503) 810-6780

fax: 503-632-5983

PLEASE NOTE: My phone number has changed. The new and current phone number is: 503-810-6780

Brook Geffen-Prett Pacific Hydro-Geology Inc. 18487 S Valley Vista Road Mulino, OR 97042 phone: (503) 810-6780

fax: 503-632-5983



# BEFORE THE WATER RESOURCES DIRECTOR OF OREGON CLACKAMAS COUNTY

IN THE MATTER OF CANCELLATION OF A	)	
PORTION OF A PERFECTED AND DEVELOPED WATER RIGHT IN THE NAME	)	FINAL ORDER
OF I. R. HANSON	)	

ORS 540.621 directs the Commission to enter an order canceling a water right whenever the owner of a perfected and developed water right certifies under oath to the Commission that the water right has been abandoned and the owner desires to cancel the right.

### **Findings of Fact**

- 1. On November 30, 2004, the Department received an affidavit from Joel and Carolyn Neuschwander, 6097 S. Whiskey Hilll Rd., Hubbard, Oregon, stating they are the owners of land and the water right appurtenant as evidenced by Certificate 20401, State Record of Water Right Certificates. The affidavit further states a portion of the water right appurtenant to the property has been abandoned and requests the certificate be canceled.
- 2. On November 30, 2004, the Department received an affidavit from Leo Gentry, 24160 SE Highway 212, Boring, Oregon, stating he is the owner of land and the water right appurtenant as evidenced by Certificate 20401, State Record of Water Right Certificates. The affidavit further states a portion of the water right appurtenant to the property has been abandoned and requests the certificate be canceled.
- 3. Pursuant to OAR 690-017-002(a), the Department has determined that Joel and Carolyn Neuschwander and Leo Gentry are the record owners, as established by county deed records, of property to which a portion of the water right evidenced by Certificate 20401 is appurtenant.
- 4. Certificate 20401 allows for the use of 1.07 cubic feet per second (cfs) of water; being 0.65 cfs from Bear Creek for irrigation of 51.8 acres and 0.42 cfs from an unnamed stream for irrigation of 37.2 acres, both tributary to the Pudding River. The date of priority is March 4, 1946.
- 5. The portion of Certificate 20401 which has been abandoned is for the use of 0.64 cfs from Bear Creek for irrigation of 50.91 acres and 0.42 cfs from an unnamed stream for irrigation of 37.2 acres, both tributary to the Pudding River, located as follows:

# NOTICE OF RIGHT TO PETITION FOR JUDICIAL REVIEW OR RECONSIDERATION

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

TV	VP	RI	NG	MER	SEC	1/4	1/4	DLC	LOT	ACRES
4	S	1	Е	W.M.	32	sw	NE		3	26.20
4	S	1	Е	W.M.	32	SE	NE	er i est dista	4	24.71
4	S	1	Е	W.M.	32	SE	NW		2	14.20
4	S	1	Е	W.M.	32	NE	SW	J. A. 1. 1914		23.00

#### **Conclusions of Law**

The Director of the Water Resources Department concludes that a portion of the right evidenced by Water Right Certificate 20401 has been abandoned in accordance with the provisions of ORS 540.621 and shall be canceled.

## Now, therefore, it is ORDERED:

- 1. Certificate 20401 is canceled.
- 2. The Department shall issue Certificate 81136, a new and superseding certificate, to describe the remaining portion of the perfected and developed water right NOT canceled by the provisions of this order.

Dated at Salem, Oregon this 20 day of January, 2005.

Phillip Q. Ward, Director

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

#### THIS CERTIFICATE ISSUED TO

I. R. HANSON ROUTE 2, BOX 340 CANBY, OREGON

confirms the right to use the waters of BEAR CREEK, a tributary of PUDDING RIVER, for IRRIGATION OF 0.89 ACRE.

This right was perfected under Permit 16827. The date of priority is March 4, 1946. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 0.01 cubic foot per second (cfs), or its equivalent in case of rotation, measured at the point of diversion from the source.

The point of diversion is located as follows:

TWP	RNG	MER	SEC	LOT	1/4 - 1/4	LOCATION
4 S	1 E	W.M.	32	4	SE NE	

The amount of water used for irrigation together with the amount secured under any other right existing for the same lands shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion not to exceed 2.5 acre feet per acre for each acre irrigated during the irrigation season of each year.

A description of the place of use to which this right is appurtenant is as follows:

TWP	RNG	MER	SEC	LOT	1/4-1/4	ACRES
4 S	1 E	W.M.	32	1 × 4:1	SE NE	0.89

This certificate describes that portion of the water right confirmed by Certificate 20401, State Record of Water Right Certificates, NOT canceled by the provisions of an order of the Water Resources Director entered \_\_\_\_\_\_\_, and recorded in Special Order Volume 63, Page 22, canceling a portion of the water right. This certificate supersedes Certificate 820401.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of water for the above purpose is restricted to beneficial use on the lands or place of use described.

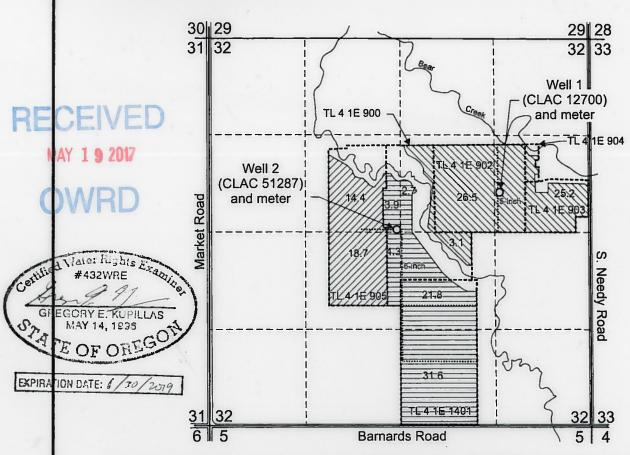
Issued:

Phillip O. Ward, Director

Water Resources Department

# Superseded

# T.4S. R.1E. Section 32, W.M.



Well 1 (CLAC 12700) and meter are located 550 feet north and 1,250 feet west from the east 1/4 corner, Section 32.

Well 2 (CLAC 51287) and meter are located 50 feet north and 50 feet west from the center 1/4 corner, Section 32.

- Area (54.8 acres) irrigated with Well 1 (CLAC 12700) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.
- Area (64.3 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Neuschwander.
- Area (33.1 acres) irrigated with Well 2 (CLAC 51287) under application G-15567, Permit G-15646 and assigned to Ray Gannon.
- ----- Tax lot boundary
- ----- 5-inch and 6-inch Mainline

Scale: 1" = 1,320'

0 1,320

Feet

This map was prepared for the purpose of identifying the location of a water right only and is not intended to provide legal dimensions or location of property ownership lines.

Claim of Beneficial Use Map Application G-15567, Permit G-15646

Ray Neuschwander and Ray Gannon T4.S. R.1E. Section 32, W.M.

Pacific Hydro-Geology Inc.

bgp - 2016

Neuschwander\_Gannon.cdi

#### BEFORE THE OREGON WATER RESOURCES DEPARTMENT

In the Matter of Water Right Application	
G-15567 in the Names of Joel	)
Neuschwander & Leo Gentry,	) SETTLEMENT AGREEMENT
Applicant	
	) on the second

The Oregon Water Resources Department, Joel Neuschwander and Leo Gentry do hereby agree and stipulate as follows:

### **Stipulated Facts:**

- 1. On July 25, 2001, Joel Neuschwander (Applicant) submitted an application to the Oregon Water Resources Department (Department) for the use of 1.604 cubic feet per second (cfs) of water for nursery use on 174.09 acres from two wells in the Bear Creek Basin in Clackamas County.
- 2. The Department issued a Proposed Final Order on April 9, 2002, proposing to deny the application because the proposed groundwater use would have the potential for substantial interference with the nearest surface water source, namely Bear Creek and surface water in Bear Creek is not available for appropriation at any time of the year. The protest period closed May 24, 2002, and no protest was timely filed.
- 3. On March 6, 2003, the Department issued a Final Order to deny the application.
- 4. On April 2, 2003, the Department, on its own initiative stayed its March 6, 2003, Final Order pending reconsideration, pursuant to OAR 137-004-0080(5).
- 5. Certificate 20401 is a surface water right for 0.65 cfs from Bear Creek and 0.42 cfs from an unnamed tributary of Bear Creek for irrigation.
- On or about June 17, 2004, the application was amended to include Leo Gentry as coapplicant. Leo Gentry is the owner of tax lot 905 in Section 32, Township 4 South, Range 1 East, W.M.

# **Terms of Agreement**

- 1. The parties to this Agreement waive the opportunity to protest the Superceding Final Order Incorporating Stipulated Agreement and any right to judicial review of this agreement.
- 2. The Applicants will submit payment of \$150 in outstanding permit recording fees, an affidavit attesting to use of the water under Certificate 20401, and an affidavit

voluntarily canceling water right Certificate 20401. Upon receipt of these materials, the Department will issue a Superceding Final Order with the attached draft permit, which is incorporated herein.

- 3. The parties agree to entry of the Superceding Final Order Incorporating Stipulated Agreement.
- 4. This Agreement may be executed simultaneously or with separate signature pages and in more than one counterpart, each of which will be deemed an original, and all of which together shall constitute one and the same Agreement.

Joel Neuschwander

Leo Gentry

10/19/04 Date

On Behalf of the Oregon Water

Resources Department

Date

# STATE OF OREGON

NOV 3 0 2004
WATER RESOURCES DEPT
SALEM, OREGON

#### COUNTY OF CLACKAMAS

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

JOEL NEUSCHWANDER & LEO GENTRY 6097 S WHISKEY HILL RD HUBBARD, OREGON 97032

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE OF 174.09 ACRES.

MAXIMUM RATE: 1.604 CUBIC FEET PER SECOND, BEING 1.114 CFS FROM WELL 1 AND

0.490 CFS FROM WELL 2

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: July 25, 2001

**WELL LOCATIONS:** 

Well 1: SENE, SECTION 32, T 4S, R1E, W.M.;

550 FEET NORTH & 1250 FEET WEST FROM E1/4 CORNER, SECTION 32

Well 2: SENW, SECTION 32, T 4S, R1E, W.M.;

50 FEET NORTH & 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼ 37.8 ACRES
SE ¼ NE ¼ 25.6 ACRES
SE ¼ NW ¼ 40.0 ACRES
NE ¼ SW ¼ 23.0 ACRES
NW ¼ SE ¼ 23.84 ACRES
SW ¼ SE ¼ 23.85 ACRES
SECTION 32

RECEIVED

NOV 3 0 2004

WATER RESOURCES DEPT SALEM, OREGON

TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

#### STANDARD CONDITIONS

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water



PAGE 3

level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued June , 2004

Phillip C. Ward, Acting Director Water Resources Department

REAL ESTATE TRANSACTIONS: Pursuant to ORS 537.330, in any transaction for the conveyance of real estate that includes any portion of the lands described in this permit, the seller of the real estate shall, upon accepting an offer to purchase that real estate, also inform the purchaser in writing whether any permit, transfer approval order, or certificate evidencing the water right is available and that the seller will deliver any permit, transfer approval order or certificate to the purchaser at closing, if the permit, transfer approval order or certificate is available.

CULTURAL RESOURCES PROTECTION LAWS: Permittees involved in ground-disturbing activities should be aware of federal and state cultural resources protection laws. ORS 358.920 prohibits the excavation, injury, destruction or alteration of an archeological site or object, or removal of archeological objects from public and private lands without an archeological permit issued by the State Historic Preservation Office. 16 USC 470, Section 106, National Historic Preservation Act of 1966 requires a federal agency, prior to any undertaking to take into account the effect of the undertaking that is included on or eligible for inclusion in the National Register. For further information, contact the State Historic Preservation Office at 503-378-4168, extension 232.

RECEIVED

NOV 3 0 2004 WATER RESOURCES DEPT SALEM, OREGON

11/30/04 Date:

Dwight French **OWRD** 725 Summer ST NE Salem OR 97301

RE: Application for water right permit # G-15567

Dear Dwight,

Please include Leo Gentry as a co-applicant on my application as he is the owner of TL 905.

Sincerely,

Leo Gentry Leo & stanting

RECEIVED NOV 30 2004 WATER RESOURCES DEPT SALEM, OREGON

DEC 0 3 2004

WATER RESOURCES DEPT SALEM, OREGON

# (WATER RIGHT TRANSFER)

# AFFIDAVIT ATTESTING TO THE USE OF WATER DURING THE PREVIOUS FIVE YEARS

	e of Oregon )
Cou	nty of CLACKAMAS ) ss
4	AROLYN NEWSCHWANDER
یدا	DOEL NEASCHWANDER in my capacity as OWNER
	ting address 6097 5. WHISKEY HILL RA. HUSBARD, OR 97032. Thompson number (563) 657-3253, being first duly sworn depose and say:
eiel	phone number (503) 651-3253, being first duly sworn depose and say:
t.	I attest that water was used during the previous five years on the entire authorized place of use of the water right subject to transfer as described by the accompanying transfer application. My knowledge of the exercise of the water right is based on (check one):
	Personal observation
	Professional expertise
2.	My knowledge is specific to the use of water at the following location(s):  26.2 ac SW 1/4 NE 1/4 23 ac NE 1/4 SW 1/4 25.6 ac SE 1/4 NW 1/4  14.2 ac 5E 1/4 NW 1/4  Section 32  Township 4 AS Range 1 (DW)
3.	The water right was exercised for the authorized purposes and is described as follows:  IRPIGNION OF NURSERY STOCK
4.	The water delivery system used to apply water as authorized by the water right is described as follows:  PRIABLE PUMP FROM BEAR CR. & UN-NAMED TRIB. INTO

(continues on reverse side)

PLEASE PRINT LEGIBLY OR TYPE. PLEASE BE AS SPECIFIC AS POSSIBLE. ATTACH ADDITIONAL PAGES IF YOU NEED MORE SPACE. SUPPORTING DOCUMENTATION MUST BE ATTACHED. June 2003

э,	One	or more of the following documentation supporting the above statements is attached:
	П	Copy of a water right certificate which has been issued within the last five years (not a remaining right certificate),
		Copies of receipts from sales of irrigated crops or for expenditures relating to use of water,
	Ц	Records such as Farm Service Agency crop reports, irrigation district records, an NRCS farm management plan, or records of other water suppliers,
	Ц	Dated aerial photographs of the lands or other photographs containing sufficient detail to establish the location and date of the photograph,
	$\sqcup$	Dedicated power usage records or receipts,
	Ц	If the right has not been used during the past five years, documentation that the presumption of forfeiture would be rebutted under ORS 540.610(2), or
	سيطو	Other: CERTIFICATE VOL. 15, PAGE 20401
Car	) ole	n R heusehulender 12/2/04
a.	1	DEl Kenschul 12/2/04
Sign	ature	of Affiant Date
l		Subscribed and Sworn to Before Me this 2nd day of December, 2004
<u>,-</u>		OFFICIAL SEAL PRAIRE L. Minga
		KAREN L. MORGAN Notary Public for Oregon
- 15		NOTART FUBLIC-UNEQUIN
L		MY COMMISSION EXPIRES NOVEMBER 8, 2005  My Commission Expires  //- 8-2005
		THE PERSON NAMED OF THE PE

DEU 03 2004

WATER RESOURCES DEPT SALEM, OREGON

# Oregon Water Resources Department Water Rights Division



Water Rights Application Number G-15567

# Final Order Extension of Time for Permit Number G-15646

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. A request for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either file for judicial review, or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

#### Application History

Permit G-15646 was issued by the Department on January 5, 2005. The permit called for complete application of water to beneficial use by October 1, 2008. On June 30, 2009 Joel Neuschwander and Leo Gentry submitted to the Department an Application for Extension of Time for Permit G-15646. In accordance with OAR 690-315-0050(2), on March 23, 2010 the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to October 1, 2015. The protest period closed May 7, 2010 in accordance with OAR 690-315-0060(1). No protest was filed.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, the permit may be extended subject to the following conditions:

Page 1 of 1

### CONDITIONS

# 1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2013. A form will be enclosed with your Final Order.

- (a) At each checkpoint, the permit holder shall submit and the Department shall review evidence of the permit holder's diligence towards completion of the project and compliance with terms and conditions of the permit and extension. If, after this review, the Department determines the permit holder has not been diligent in developing and perfecting the water use permit, or complied with all terms and conditions, the Department shall modify or further condition the permit or extension to ensure future compliance, or begin cancellation proceedings on the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410, or require submission of a final proof survey pursuant to ORS 537.250;
- (b) The Department shall provide notice of receipt of progress reports in its weekly notice and shall allow a 30 day comment period for each report. The Department shall provide notice of its determination to anyone who submitted comments.

The applicant has demonstrated good cause for the permit extension pursuant to ORS 537.630, 539.010(5) and OAR 690-315-0040(2).

# <u>Order</u>

The extension of time for Application G-15567, Permit G-15646, therefore, is approved subject to conditions contained herein. The deadline for applying water to full beneficial use is extended to October 1, 2015.

DATED: May 11, 2010

Dwight French, Administrator of Water/Rights and Adjudications

Phillip C. Ward, Director Final Order: Permit G-15646

Page 2 of 3

- If you have any questions about statements contained in this document, please contact Scott Kudlemyer at (503) 986-0813.
- If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900

# **Mailing List for Extension FO Copies**

Note: Include a copy of the "Important Notice" document along with the original copy of the Final Order being sent to the permit holder.

FO Date: May 11, 2010

**Copies Mailed** 

Application G-15567 Permit G-15646

On: 31310

# Original mailed to permit holder

Joel Neuschwander and Leo Gentry 6097 S. Whiskey Hill Rd Hubbard, OR 97932

#### Copies sent to:

- 1. WRD App. File G-15567/ Permit G-15646
- 2. WRD Support Staff, Salem

# Fee paid as specified under ORS 536.050 to receive copy:

3. None

# Receiving via e-mail (10 AM day of signature date)

4. WRD – Water Master District 16 – Mike McCord, Salem

Done by St Date 5/n/10

## If Progress Reports are included:

Add record to Progress Report tracking sheet.xls Done: by 54 Date 5/10/10

CASEWORKER: SBK

Final Order: Permit G-15646

Page 1 of 1

# Oregon Water Resources Department Water Rights Division



# **Application for Extension of Time**

In the Matter of the Application for an Extension of Time	)	
for Permit G-15646, Water Right Application G-15567	)	PROPOSED FINAL ORDER
in the name of Joel Neuschwander and Leo Gentry	)	

# **Permit Information**

# Application File G-15567 Permit G-15646

Basin: 2 – Willamette / Watermaster District 16
Date of Priority: July 25, 2001

# **Authorized Use of Water**

Source of Water: Two wells within the Bear Creek Basin

Purpose of Use: Nursery Use of 174.09 Acres

Maximum Rate: 1.604 Cubic Feet per Second (cfs), being 1.114 cfs

from Well 1 and 0.490 cfs from Well 2

# This Extension of Time request is being processed in accordance with Oregon Administrative Rule Chapter 690, Division 315

Please read this Proposed Final Order in its entirety as it contains additional conditions not included in the original permit.

This Proposed Final Order applies only to Permit G-15646, water right Application G-15567. A copy of Permit G-15646 is enclosed as Attachment 1.

Proposed Final Order: Permit G-15646

Page 1 of 12

# Summary of Proposed Final Order for Extension of Time

### The Department proposes to:

- Grant an extension of time to apply water to full beneficial use from October 1, 2008 to October 1, 2015.
- Make the extension subject to certain conditions set forth below.

### ACRONYM QUICK REFERENCE

Department – Oregon Department of Water Resources PFO – Proposed Final Order

<u>Units of Measure</u> cfs – cubic feet per second gpm – gallons per minute

# **AUTHORITY**

Generally, see ORS 537.630 and OAR Chapter 690 Division 315.

ORS 537.630(1) provide in pertinent part that the Oregon Water Resources Department (Department) may, for good cause shown, order an extension of time within which: irrigation or other works shall be completed; the well or other means of developing and securing ground water shall be completed; or the right perfected. In determining the extension, the Department shall give due weight to the considerations described under ORS 539.010(5) and to whether other governmental requirements relating to the project have significantly delayed completion of construction or perfection of the right.

ORS 539.010(5) provides in pertinent part that the Water Resources Director, for good cause shown, may extend the time within which the full amount of the water appropriated shall be applied to a beneficial use. This statute instructs the Director to consider: the cost of the appropriation and application of the water to a beneficial purpose; the good faith of the appropriator; the market for water or power to be supplied; the present demands therefore; and the income or use that may be required to provide fair and reasonable returns upon the investment.

**OAR 690-315-0040** provides in pertinent part that the Water Resources Department shall make findings to determine if an extension of time may be approved to complete construction and/or apply water to full beneficial use.

OAR 690-315-0050(6) requires the Department, for extensions exceeding five years, to establish checkpoints to determine if diligence is being exercised in the development and perfection of the water use permit. Intervals between checkpoints will not exceed five year periods.

Proposed Final Order: Permit G-15646

# **FINDINGS OF FACT**

#### **Background**

- 1. Permit G-15646 was granted by the Department on January 5, 2005. The permit authorizes the use of up to 1.604 cfs of water, being 1.114 cfs from Well 1 and 0.490 cfs from Well 2 cfs from two wells in Bear Creek Basin for Nursery Use of 174.09 acres. The permit specified complete application of water was to be made on or before October 1, 2008.
- 2. The permit holders submitted an "Application for Extension of Time" to the Department on June 30, 2009 requesting the time to apply water to full beneficial use under the terms and conditions of Permit G-15646 be extended from October 1, 2008 to October 1, 2015. This is the first permit extension requested for Permit G-15646.
- 3. Notification of the Application for Extension of Time for Permit G-15646 was published in the Department's Public Notice dated July 7, 2009. No public comments were received regarding the extension application.

#### Review Criteria [OAR 690-315-0040]

The time limits to complete construction and/or apply water to full beneficial use may be extended if the Department finds that the permit holder has met the requirements set forth under OAR~690-315-0040. This determination shall consider the applicable requirements of  $ORS~537.230^{1}$ ,  $537.248^{2}$ ,  $537.630^{3}$  and/or  $539.010(5)^{4}$ .

# Complete Extension of Time Application [OAR 690-315-0040(1)(a)]

4. On June 30, 2009 the Department received a completed Application for Extension of Time and the fee specified in ORS 536.050 from the permit holders.

# Start of Construction [OAR 690-315-0040(1)(b) and 690-315-0040(5)]

5. Senate Bill 300 (1999 legislation) eliminates the requirement that holders of new surface water and ground water permits start construction on water projects within one year after the Department issues the permit. Senate Bill 300 applies to any application for a permit filed after October 23, 1999.

# Duration of Extension [OAR 690-315-0040(1)(c)]

Under OAR 690-315-0040(1)(c), in order to approve an extension of time for water use permits the Department must find that the time requested is reasonable and the applicant can complete the project within the time requested.

ORS 537.230 applies to surface water permits only.

<sup>&</sup>lt;sup>2</sup>ORS 537.248 applies to reservoir permits only.

<sup>&</sup>lt;sup>3</sup>ORS 537.630 applies to ground water permits only.

<sup>&</sup>lt;sup>4</sup>ORS 539.010(5) applies to surface water and ground water permits.

- 6. As of June 30, 2009 the remaining work to be completed consists of submitting water use reporting for 2009, developing remaining acreage, applying for a permit amendment and applying water to full beneficial use.
- 7. Given the amount of development left to occur, the Department has determined that the permit holders request to have until October 1, 2015 to accomplish the application of water to beneficial use under the terms and conditions of Permit G-15646 is both reasonable and necessary.

### Good Cause [OAR 690-315-0040(1)(d)]

The Department's determination of good cause shall consider the requirements set forth under OAR 690-315-0040(2).

### Reasonable Diligence of the Appropriator [OAR 690-315-0040(2)(a)].

The Department's determination of reasonable diligence shall consider the requirements set forth under OAR 690-315-0040(3)(a-d). In accordance with OAR 690-315-0040(3), the Department shall consider, but is not limited to, the following factors when determining whether the applicant has demonstrated reasonable diligence in previous performance under the permit:

#### Amount of Construction [OAR 690-315-0040(3)(a)]

- 8. Work was accomplished within the time allowed in the permit or previous extension as follows:
  - a. Construction of the well was completed prior to October 1, 2008.
  - b. Work completed (specified in the Application for an Extension of Time) during the original development time frame under Permit G-15646 includes installing additional mainlines and hydrants.

# Beneficial Use of Water [OAR 690-315-0040(3)(b)]

- 9. The following beneficial use of water was made during the permit or previous extension time limits:
  - a. Since the issuance of Permit G-15646 on January 5, 2005 a maximum rate of 1.78 cfs of water has been appropriated from the wells for nursery use on 146.0 acres. This exceeds the amount of water authorized under this permit. The authorized amount of water for nursery use under Permit G-15646 is 1.604 cfs, being 1.114 cfs from Well 1 and 0.490 cfs from Well 2 cfs.

# Compliance with Conditions [OAR 690-315-0040(3)(c)]

- 10. The water right permit holder's conformance with the permit or previous extension conditions.
  - a. The Department has considered the permit holders compliance with conditions, and has identified the following concern: the record does not show that the

- required March static water level measurements have been received by the Department.
- b. Failure to comply with permit conditions constitutes illegal use of water. The use of water under this permit, therefore, has not yet been demonstrated. In order to legally perfect the use of water under this permit, the permit holder must demonstrate that all conditions of the permit have been satisfied.

#### Financial Investments [OAR 690-315-0040(3)(d)]

- 11. Financial investments made toward developing the beneficial water use.
  - a. As of June 30, 2009 the permit holders have invested approximately \$115,000 which is approximately 32 percent of the total projected cost for complete development of this project. The permit holders anticipate an additional \$250,000 investment is needed for the completion of this project.

#### Cost to Appropriate and Apply Water to a Beneficial Purpose [OAR 690-315-0040(2)(b)]

12. As of June 30, 2009 the permit holders have invested approximately \$115,000 which is approximately 31 percent of the total projected cost for complete development of this project. The permit holders anticipate an additional \$250,000 investment is needed for the completion of this project.

#### Good Faith of the Appropriator [OAR 690-315-0040(2)(c)]

13. The Department has found good faith of the appropriator under Permit G-15646.

#### The Market and Present Demands for Water [OAR 690-315-0040(2)(d-e)]

The Department's determinations of market and present demand for water or power to be supplied shall consider the requirements set forth under OAR 690-315-0040(4)(a-f). In accordance with OAR 690-315-0040(4), the Department shall consider, but is not limited to, the following factors when determining the market and the present demand for water or power to be supplied:

- 14. The amount of water available to satisfy other affected water rights and scenic waterway flows; special water use designations established since permit issuance, including but not limited to state scenic waterways, federal wild and scenic rivers, serious water management problem areas or water quality limited sources established under 33 U.S.C. 1313(d); or the habitat needs of sensitive, threatened or endangered species, in consultation with the Oregon Department of Fish and Wildlife [OAR 690-315-0040(4)(a-c)].
  - a. The amount of water available to satisfy other affected water rights and scenic waterway flows was determined at the time of issuance of Permit G-15646; furthermore, water availability for other affected water rights and scenic waterway flows after the permit was issued is determined at such time that such application for a new water right is submitted. The points of appropriation for Permit G-15646, located within the Bear Creek Basin, are not located within a

limited or critical ground water area. Bear Creek is not located within or above any state or federal scenic waterway, is located within an area ranked "low" for stream flow restoration needs as determined by the Department in consultation with the Oregon Department of Fish and Wildlife, and is located within a Sensitive, Threatened or Endangered Fish Species Area as identified by the Department in consultation with Oregon Department of Fish and Wildlife. Bear Creek is listed by the Department of Environmental Quality as a water quality limited stream.

- 15. Economic investment in the project to date [OAR 690-315-0040(4)(d)].
  - a. As of June 30, 2009 the permit holder has invested approximately \$115,000
- 16. Other economic interests dependent on completion of the project [OAR 690-315-0040(4)(e)].
  - a. None have been identified.
- 17. Other factors relevant to the determination of the market and present demand for water and power [OAR 690-315-0040(4)(f)].
  - a. None have been identified.
- 18. OAR 690-315-0050(6) requires the Department to place a checkpoint condition on this extension of time in order to ensure diligence is exercised in the development and perfection of the water use permit. A "Checkpoint Condition" is specified under Item 1 of the "Conditions" section of this PFO to meet this condition.

#### Fair Return Upon Investment [OAR 690-315-0040(2)(f)]

19. Use and income from the permitted water development results in reasonable returns upon the investment made to date.

#### Other Governmental Requirements [OAR 690-315-0040(2)(g)]

20. Delay in the development of this project was not caused by any other governmental requirements.

#### Unforeseen Events [OAR 690-315-0040(2)(h)]

21. Unforeseen events extended the length of time needed to fully develop and perfect Permit G-15646 in that there was miscommunication between the permit holders and their agent with regards to water use reporting. Additionally, financial limitations slowed the process of purchasing additional acreage.

### **CONCLUSIONS OF LAW**

1. The applicant is entitled to apply for an extension of time to complete construction and/or

- completely apply water to the full beneficial use pursuant to ORS 537.630(1).
- 2. The applicant has submitted a complete extension application form and the fee specified in ORS 536.050, as required by OAR 690-315-0040(1)(a).
- 3. The applicant complied with begin actual construction timeline requirements pursuant to ORS 537.630 as required by OAR 690-315-0040(1)(b) and OAR 690-315-0040(5).
- 4. Full application of water to beneficial use can be accomplished by October 1, 2015<sup>5</sup>, as required by OAR 690-315-0040(1)(c).
- 5. The Department has considered the reasonable diligence and good faith of the appropriator, the cost to appropriate and apply water to a beneficial purpose, the market and present demands for water to be supplied, the financial investment made and fair and reasonable return upon the investment, the requirements of other governmental agencies, and unforeseen events over which the permit holder had no control, whether denial of the extension will result in undue hardship to the applicant and whether there are no other reasonable alternatives for meeting water use needs, any other factors relevant to a determination of good cause, and has determined that the applicant has shown that good cause exists for an extension of time to apply water to full beneficial use pursuant to OAR 690-315-0040(1)(d).
- 6. As required by OAR 690-315-0050(6) and as described in Finding 18 above, the Department has established, as specified in the "Conditions" section of this PFO (Item 1), progress checkpoints in order to ensure future diligence is exercised in the development and perfection of Permit G-15646.

#### **Proposed Order**

Based upon the foregoing Findings of Fact and Conclusions of Law, the Department proposes to issue an order to:

Extend the time to apply water to beneficial use under Permit G-15646 from October 1, 2008 to October 1, 2015.

Subject to the following conditions:

<sup>&</sup>lt;sup>5</sup>Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and a new or revised claim of beneficial use as deemed appropriate by the Department.

#### CONDITIONS

#### 1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2013. A form will be enclosed with your Final Order.

- (a) At each checkpoint, the permit holder shall submit and the Department shall review evidence of the permit holder's diligence towards completion of the project and compliance with terms and conditions of the permit and extension. If, after this review, the Department determines the permit holder has not been diligent in developing and perfecting the water use permit, or complied with all terms and conditions, the Department shall modify or further condition the permit or extension to ensure future compliance, or begin cancellation proceedings on the undeveloped portion of the permit pursuant to ORS 537.260 or 537.410, or require submission of a final proof survey pursuant to ORS 537.250;
- (b) The Department shall provide notice of receipt of progress reports in its weekly notice and shall allow a 30 day comment period for each report. The Department shall provide notice of its determination to anyone who submitted comments.

DATED: March 23, 2010

Administrator

Water Rights & Adjudications Division

If you have any questions, please check the information box on the last page for the appropriate names and phone numbers.

#### **Proposed Final Order Hearing Rights**

- 1. Under the provisions of OAR 690-315-0100(1) and 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may submit a written protest to the proposed final order. The written protest must be received by the Water Resources Department no later than May 7, 2010 being 45 days from the date of publication of the proposed final order in the Department's weekly notice.
- 2. A written protest shall include:
  - a. The name, address and telephone number of the petitioner;

- b. A description of the petitioner's interest in the proposed final order and if the protestant claims to represent the public interest, a precise statement of the public interest represented;
- c. A detailed description of how the action proposed in the proposed final order would adversely affect or aggrieve the petitioner's interest;
- d. A detailed description of how the proposed final order is in error or deficient and how to correct the alleged error or deficiency;
- e. Any citation of legal authority supporting the petitioner, if known;
- f. Proof of service of the protest upon the water right permit holder, if petitioner is other than the water right permit holder; and
- g. The applicant or non-applicant protest fee required under ORS 536.050.
- 3. Within 60 days after the close of the period for requesting a contested case hearing, the Director shall:
  - a. Issue a final order on the extension request; or
  - b. Schedule a contested case hearing if a protest has been submitted, and:
    - 1) Upon review of the issues, the Director finds there are significant disputes related to the proposed agency action; or
    - 2) The applicant submits a written request for a contested case hearing within 30 days after the close of the period for submitting protests.

- If you have any questions about statements contained in this document, please contact Scott Kudlemyer at 503-986-0813.
- If you have questions about how to file a protest or if you have previously filed a protest and you want to know the status, please contact Patricia McCarty at 503-986-0819.
- If you have any questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at 503-986-0801.

• Address any correspondence to :

Water Rights and Adjudications Division

725 Summer St NE, Suite A

Salem, OR 97301-1266

Fax: 503-986-0901

# **Mailing List for Extension PFO Copies**

**PFO Date:** March 23, 2010

Copies Mailed

Application G-15567 Permit G-15646

By: (1) On: 23 10

#### Original mailed to Applicant:

Joel Neuschwander and Leo Gentry 6097 S. Whiskey Hill Rd Hubbard, OR 97932

#### Copies sent to:

1. WRD - App. File G-15567/ Permit G-15646

2. WRD - Watermaster District 16, Mike McCord

#### Fee paid as specified under ORS 536.050 to receive copy:

3. None

## Receiving via e-mail (10 AM Tuesday of signature date)

4. PFO: WRD – Watermaster District 16 – Mike McCord, Salem

Done by Date 3 16 10

CASEWORKER: SBK

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

JOEL NEUSCHWANDER & LEO GENTRY 6097 S WHISKEY HILL RD HUBBARD, OREGON 97032

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-15567

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JUN 3 0 2009

PURPOSE OR USE: NURSERY USE OF 174.09 ACRES.

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

(3)

WATER RESOURCES DEPT SALEM, OREGON

MAXIMUM RATE: 1.604 CUBIC FEET PER SECOND, BEING 1.114 CFS FROM WELL 1 AND

0.490 CFS FROM WELL 2

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: July 25, 2001

WELL LOCATIONS:

Well 1: SENE, SECTION 32, T 4S, R1E, W.M.;

550 FEET NORTH & 1250 FEET WEST FROM E1/4 CORNER, SECTION 32

Well 2: SENW, SECTION 32, T 4S, R1E, W.M.;

50 FEET NORTH & 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

Application G-15567

Water Resources Department

**PERMIT G-15646** 

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼ 37.8 ACRES
SE ¼ NE ¼ 25.6 ACRES
SE ¼ NW ¼ 40.0 ACRES
NE ¼ SW ¼ 23.0 ACRES
NW ¼ SE ¼ 23.84 ACRES
SW ¼ SE ¼ 23.85 ACRES
SECTION 32

JUN 3 0 2009
WATER RESOURCES DEPT SALEM, OREGON

TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

#### STANDARD CONDITIONS

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water

level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued January 5<sup>+</sup>, 2005

Phillip Ward, Acting Director

Water Resources Department

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WATER RESOURCES DEPT SALEM, OREGON



# Application for Extension of Time for a Water Right Permit

(Non-Municipal/Non-Quasi-municipal Water Use)

# TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

A separate extension application must be submitted for <u>each</u> permit as per OAR 690-315-0020(2).

This application and a summary of review criteria and procedures that are generally applicable to this application are available at http://www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

FIRST NAME OF PE	RMIT HOLDER	LAST N	AME OF PERMIT HOLDER [	OAR 690-315-0020(1) and (3)(a
6097 S. Whiskey Hi	ll Road			
	ADDRE	ESS		
Hubbard	OR		97032	
CITY	STA	TE	ZIP	
(503) 651-3253	8			
PHONE			EMAIL ADDRESS	
the permit holder of:	Application Numb	oer <u>G</u>	- 15567	
	Permit Number	G	- 15646	
do hereby request that th	ne time in which to:			
	ry to the use of water		works and/or purchase time now expires on O	
and/or the time in which	to:			
	beneficial use under the l, 2008 , be extended		and conditions of the perturber 1, $\frac{2015}{2}$ .	rmit, which time now
RECEI	IED			
WRAD IIIN 3 (	2009 Application for Exter	nsion of Tim	e for a Water Right Permit	Last Revised 9/19/2008

JUN 3 0 ZM Application for Extension of Time for a Water Right Permi Page 1 of 9

WATER RESOURCES DEPT Page 1 of 9

WATER RESOURCES DEPT Page 1 of 9

#### Before submitting your Application for Extension of Time, make sure the following items are included:

- This completed Application for Extension of Time.
- Statutory fee of \$350.
- Signature page (last page of this Application for Extension of Time).
- All supporting documentation and/or evidence referenced in the Application for Extension of Time.

#### MAIL COMPLETED APPLICATION

along with the \$350

#### STATUTORY FEE TO:

Water Resources Department **Attn: Water Right Permit Extensions** 725 Summer Street NE, Suite A Salem, Oregon 97301



- Permit holders of municipal or quasi-municipal water use permits DO NOT use this form. The correct form is Application for Extension of Time for Municipal and Quasi-Municipal Water Use Permits, available at the following link: http://www1.wrd.state.or.us/pdfs/muni\_quasi\_ext\_app\_form\_6\_20\_08.pdf
- Request the reasonable amount of time necessary to fully complete the water construction project and/or to fully use the permitted quantity of water under the terms and conditions of your permit. Should this request be approved, it will be OWRD's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.
- A separate Application for Extension of Time must be submitted for each permit. OAR 690-315-0020(2).
- An instruction sheet (Instructions for Filling Out Extension of Time Application for Permits) provides details that will help you answer each question on the application. Permit extensions are evaluated under OAR Chapter 690, Division 315. These rules may be viewed at: http://www.wrd.state.or.us/OWRD/LAW/index.shtml.



SALEM, OREGON

WRAD

JUN 3 0 2009 WATER RESOURCES DEPAPPLICATION for Extension of Time for a Water Right Permit
Page 2 of 9

WATER RESOURCES DEPAPPLICATION FOR EACH PROPERTY OF THE PROPERTY OF

Last Revised 9/19/2008

- You may provide OWRD with any additional information or evidence that will aid us in making our decision. Please note that OWRD may require other information that is necessary to evaluate the application. OAR 315-0020(3)(n).
- After careful review of the Application for Extension of Time, you may contact OWRD at (503) 986-0900, to ask questions and request assistance from a Permit Extensions Specialist in the Water Rights and Adjudications Division.
- Once an Application for Extension of Time is received by OWRD, it will be reviewed for completeness. OWRD will return any incomplete or deficient applications to the applicant. OAR 690-315-0040(1)(a).

#### Reference Materials Needed to Complete this Application:

- The water right permit. If needed, a copy of the water right permit can be downloaded from the Department's Website at <a href="http://www.wrd.state.or.us">http://www.wrd.state.or.us</a> (find the link to the Water Rights Information System (WRIS). Or, a copy of the permit (or other documents) may be requested by water right application number from the Water Rights Division at 503-986-0900 (copy fees will apply).
- Documentation which demonstrates compliance with permit conditions (for example, well construction logs; static water level measurement reports; annual water use reports; ODFW fish screen certification;, a plan to monitor the effect of water use on ground water aquifers utilized under the permit; etc.).

# Answer the Following Questions to Complete this Application for Extension of Time

IOAR	690-315-0020(3)(d)
IVAN	・ ひろひ‐ひょひ‐ひひとひじろ パロコ

1.	Did the actual constructi	ion (	of the	wa	ter system/well drilling begin	within the time
	specified in the permit?	C	Yes	C	No	



TIP: Not all permits specify a date by which construction was to begin.

Date construction began is: NA

#### **Details of construction:**

There is no date specified in the permit for beginning construction.

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JUN 3 0 2009

WATER RESOURCES DEPT SALEM, OREGON

[OAR 690-315-0020(3)(e)(A)]

- 2. Permits typically contain standard or special conditions that must be satisfied to lawfully develop and use permitted water. In the development of this water right, have you satisfied the conditions contained in your permit? [yes/no]
  - A) Describe how you have complied with each condition contained in the original permit [and, if applicable, each condition contained in any order approving a permit amendment and/or a final order approving a prior extension of time]. Include the date when the condition was satisfied.



TIP:

The instruction sheet for the Application for Extension of Time provides an explanation of the typical conditions that must be addressed in this question.

#### **CHART-A**

Condition No	Date Satisfied	Describe How Permit Condition Has Been Satisfied
1	09/06	Flow meters installed on Wells 1 and 2 in September 2006.

**Condition No:** Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension).

B) If you have NOT complied with all applicable conditions, explain the reasons why and indicate with a date certain (in the near future) when compliance will occur.

#### **CHART-B**

Condition No.**	Date Will Comply	Explain Why Each Permit Condition Has NOT Been Satisfied		
2	Not aware of requirement for reporting.			
3	2015	Not all of the authorized acreage has been developed. Please see answers to Question 9.		
		JUN <b>3 0</b> 2009		
		WATER RESOURCES DEPT SALEM, OREGON		

**Condition No:** Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension.

- 3. Provide evidence of physical progress made toward completion of the water system, and of progress made toward making beneficial use of water within the permitted time period (CHART-C); and if applicable, within the time period of the most recent extension granted (CHART-D).
  - A) CHART-C (below) must be completed for all Application for Extension of Time requests. *Use chronological order*.

#### **CHART-C**

DATE	WORK ACCOMPLISHED BEFORE PERMIT WAS ISSUED List any work done before the permit was issued - eg. well drilled.	COST*
5/88 to10/89	Well 1 drilled, pump installed, mainline installed, and additional hand lines purchased.	\$33,500
12/96 to 10/01	Well 2 drilled, pump installed, mainline installed, additional hand lines and hard hose traveller purchased.	\$74,000

DATE	WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED and PRIOR TO DATE SPECIFIED IN PERMIT FOR COMPLETE APPLICATION OF WATER  List work/actions done during the permitted time period.	COST*
1/5/05	The permit was signed - find date above signature on last page of permit.	
Not Applicable	The permit specified "Actual Construction Work" shall begin ("A-Date") - not all permits contain this date.	
2006	Additional mainlines and hydrants installed	\$8,000
10/1/2008	The permit specified complete application of water to the use shall be made ("C-Date")- all permits contain this date.	

# **CHART-C** (continued)

DATE	WORK ACCOMPLISHED AFTER "C-DATE"  COMPETE ONLY IF THIS IS YOUR 1st APPLICATION FOR EXTENSION OF  TIME: List work done after the date specified in the permit for complete application of water up to the date of this Application for Extension of Time.	COST*
	Total cost for Chart-C	\$115,500

<sup>\*</sup> If exact cost is not known, you must provide your best estimate.

RECEIVED

WRAD

JUN 3 0 2009 Application for Extension of Time for a Water Right Permit Page 5 of 9

Last Revised 9/19/2008

B) If this is not your 1st Application for Extension of Time request, fill out CHART-D below (in addition to CHART-C above). *Use chronological order*.

#### **CHART-D**

DATE	WORK ACCOMPLISHED DURING THE LAST EXTENSION PERIOD List all work done during the last authorized extension period.	COST*
10/1/	"Extended From" date for complete application of water used in the $1_{st}$ (or the most recent) Application for Extension of Time.	
	Not Applicable	
		, , , , , , , , , , , , , , , , , , , ,
	,	
10/1/	"Extended To" date for complete application of water resulting from the $1_{\rm st}$ (or the most recent) Application for Extension of Time.	
	CHART-D (Continued)	
DATE	WORK ACCOMPLISHED AFTER THE LAST EXTENSION PERIOD EXPIRED List all work done after the last authorized date for complete application of water up to the date of this Application for Extension of Time.	COST*
	Not Applicable	
	Total Cost of Chart-D	

[OAR 690-315-0020(3)(f)]

4. Cost of project to date: \$115,500
(The total combined cost from CHART-C and CHART-D)

JUN 3 0 2009

WATER RESOURCES DEPT SALEM, OREGON

<sup>\*</sup> If exact cost is not known, you must provide your best estimate.

[OAR 690-315-0020(3)(e)(B)]

	permit, ma	maximum rate, or duty, of water diverted for beneficial to date.	use under this
		Report the rate in the same units of measurement as specifi ubic feet per second), gpm (gallons per minute) or AF (acre-fe a reservoir water right). Do not provide daily, monthly or an	et - usually only
	Maximum	rate used to date = cfs (cubic feet per second)	or,
	Maximum	rate used to date = $\frac{800}{}$ gpm (gallons per minute)	or,
	Acre-feet to	o date = AF	
6.	Provide the	OAI total number of acres irrigated to date under this permit (	R 690-315-0020(3)(e)(C)  (if applicable).
	Total acres	s irrigated to date:	
7.		ummary of your future plans and schedule to complete th m, and/or apply water to full beneficial use under the term	
DA	PROXIMATE TE RANGE (projected)	WORK OR ACTION TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
2009	(Frojector)	Submit water use reporting for 2009 season.	\$0.00
2009-2	015	Acquire adjacent lands to move portion of permitted POU under a permit amendment.	\$250,000
	2015	Intend to apply water to full beneficial use under the terms and conditions of this permit.	
Year:		The same of the point of the po	
Year:		Total Cost	\$250,000
Year:		Total Cost	\$250,000 DAR 690-315-0020(3)(g)]

9.	used	he reasons why the project was not constructed, and/or water was not beneficially within permit time limits. Provide supporting information for the reason(s) that best our circumstances (A, B, C or D).
	A)	The project is of a size and scope that was originally planned to be phased in over a time frame longer than the one allowed in the permit.
		Not Applicable
	B)	The financial resources needed to develop the project precluded completion of the project within authorized time frames.
		Certain portions of the place of use authorized under Permit G-15646 could be more feasibly and efficiently irrigated if moved to adjacent property, which is what we hope to accomplish. Financial limitations, along with other factors, have prevented us from purchasing the adjacent property, which would be required in order to qualify for making a change in place of use under a permit amendment.
	C)	Good faith attempts to comply with permit conditions and/or acquire permits from other agencies, or otherwise comply with government regulations, delayed completion of the project.
		Not Applicable.
		RECEIVED
		JUN 3 0 2009
		WATER RESOURCES DEPT SALEM, OREGON

D) Acts of God or other unforeseen events delayed full development of the water system and use of water within the authorized time frames.

Our failure to complete the required water user reporting resulted from a misunderstanding based on communication we had with the individual who was acting as our agent throughout the process of applying for Permit G-15646.

In addition to the financial limitations described above in Section B, the adjacent property that we wish to acquire and transfer some of the permitted rights to, will not likely be available for purchase for several years.

[OAR 690-315-0020(3)(k)]

10. Justify the time requested to complete the project and/or apply the water to full beneficial use. Your justification should combine information from your answers from Questions 2, 3-A, 3-B, 7 and 9 of this Application for Extension of Time, and should also include any other information or evidence to establish that the requested amount of time is sufficient and that you will be able to complete the project within the amount of time requested.

We will perform the necessary water use recording for the 2009 season and will be prepared to submit the 2009 water use data at the end of the year.

We have been notified by the owner of the adjacent properties we wish to purchase that we have the first right of refusal when the property goes up for sale. However, it could be several years before the property becomes available to purchase. This is why we are requesting extension of the date to put water to beneficial use to 2015.

11. Provide any other information you wish OWRD to consider while evaluating your Extension of Time Application.

None.	RECEIVED
	JUN <b>3 0</b> 2009
	WATER RESOURCES DEPT SALEM, OREGON

I am the permit holder, or have authorization from the permit holder, to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for OWRD to suspend processing of the request and/or reason to deny the extension.

WRAD

V Kusch

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

JOEL NEUSCHWANDER & LEO GENTRY 6097 S WHISKEY HILL RD HUBBARD, OREGON 97032

The specific limits and conditions of the use are listed below.

**APPLICATION FILE NUMBER: G-15567** 

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE OF 174.09 ACRES.

MAXIMUM RATE: 1.604 CUBIC FEET PER SECOND, BEING 1.114 CFS FROM WELL 1 AND

0.490 CFS FROM WELL 2

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: July 25, 2001

WELL LOCATIONS:

Well 1: SENE, SECTION 32, T 48, R1E, W.M.:

550 FEET NORTH & 1250 FRET WEST FROM E1/4 CORNER, SECTION 32

Well 2: SENW, SECTION 32, T4S, REE, W.M.;

50 FEET NORTH & SO FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to imply influenced of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

Application G-15567

Water Resources Department

**PERMIT G-15646** 

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW % NE % 37.8 ACRES
SE % NE % 25.6 ACRES
SE % NW % 40.0 ACRES
NE % SW % 23.0 ACRES
NW % SE % 23.84 ACRES
SW % SE % 23.85 ACRES
SECTION 32
TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

#### STANDARD CONDITIONS

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water

Application G-15567

Water Resources Department

**PERMIT G-15646** 

level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued January 5<sup>+</sup>, 200

Phillip Ward, Acting Director

Water Resources Department

Application G-15567 Water Resources Department
Basin 14 VOLUME 15A BEAR CREEK
GAINEY

PERMIT G-15646 District 17

IT.

# Extension PFO Checklist for

# Other than Muni or Quasi-Municipal

Water Use Permits

(OAR 690-315-0010 through OAR 690-315-0060)

Application: <u>G</u>	- 15567	Permit: <u>G- 1564</u>	6 Permit Amendment? No ⊠Y	Tes T- pending approved
	s Maili	ng Address: 6097	der and Leo Gentry South Whiskey HIII Rd Hubbar	d, OR 97032 email
POD Location:	Towns	ship <u>4 SOUTH</u> County: <u>Clackama</u>	Range <u>2 EAST</u> as Watermaster District: <u>20</u>	Section 32 1/41/4 SENE, SEWW Watermaster: Sabrina White-Scarver
Use: Nursery	wells is	Bear Creek Basin 174.09 Acres	Priority Date: 7/25/2001 ell 1 and 0.490 cfs from Well 2	<b>Date of PN:</b> <u>7/7/2009</u>
Orig "A" Date Extension request rec'd: Request Num Conditions of Pe	6/30/2 ber (1,	009 La Pro	ig "B" Date: 10/1/ st Authorized " Date: 10/1/ oposed " Date: 10/1/	Orig "C" Date: 10/1/2008  Last Authorized "C" Date: 10/1/2008  Proposed C Date: 10/1/2008 2015
Condition Met? Not	dition Met?	Install meter Annual water use	Permit C	
Yes No  Work  Finan  Benef	was acc right pe cial inve Amount icial use Permit l	omplished within the termit holder conformed stments were made too Invested to date: \$115 made of the water durinolder has beneficially	ime allowed in the permit or previous with the permit or previous extension ward developing the beneficial water 5,500 Estimated Remaining Cost: \$25 ring the permit or previous extension used 1.78 \( \subseteq \text{cfs} \subseteq \text{gpm} \subseteq af of the total permit of the permit of the total permit of the total permit of the permit	s extension In conditions use.  50,000 time limits otal permitted quantity of water on 146 acres

Application:	Perm	it:	Township	Range	Section
Determination of th	e market and	l the present de	mand for water or	power to be supplie	ed:
Ground Wa Surface Wa		Identify the clo Is the POA locals the POD local	ated	r localized water bas	in. Bear Creek
within a sens within a criti within a Wit within a Wit	am segment de sitive, threaten cal or limited hdrawn Area? dy listed on th	esignated as a fe led or endangere Ground Water A Name of area e DEQ Section 3	deral wild and sceni d species area Source area? Name of area 303(d) List of Water	e: "/gisdata/dev/projects/s	rivers.gov/wildriverslist.html
Based on the writte	n record, can	the Departmen	t make a finding of	"Good Cause" to	approve the extension request?
Yes "Go	ood Cause" ca	an be found.	Approval of Ex	tension Request	
No "Go	od Cause" can	not be found. [	Denial of Extens	ion Request	
Conditions to be inc	cluded in Exte	ension PFO (if a	applicable)? Yes	🖾 No 🗌	
(NOTE: Ch	eck the file red	cord for docume	ntation to add a con	dition(s) at the exten	sion stage.)
	rogress Repor	t Checkpoints (\)	Years: 2013)		
Other:					
Footnote regarding	Claim of Ben	eficial Use. Ch	oose the appropria	te language below a	and insert as a footnote in the PFO:
"Fo bee Wa	r permits applied n completed and o ter Resources Dep	for or received on or either: (1) Hire a war partment, for issuance	er right examiner certifie e of a water right certific	on complete development d under ORS 537.798 to	of the permit, you must notify the Department that the work has conduct a survey, the original to be submitted as required by the propriate water under the water right permit until the Water 250 or 537.625."
exa	rsuant to ORS 53 miner to survey th	7.230(4), upon the care appropriation. W	ompletion of beneficial uithin one year after the co	mplete application of war	r the permit, the permit holder shall hire a certified water rights ter to a beneficial use (or by the date allowed for the complete and the claim of beneficial use."
exa	rsuant to ORS 53 miner to survey the	7.630(4), upon the c ne appropriation. W	ompletion of beneficial u ithin one year after the co	mplete application of war	r the permit, the permit holder shall hire a certified water rights ter to a beneficial use (or by the date allowed for the complete and the claim of beneficial use."
NOTES:	<u>.</u>				
	e ey				
Extension "PFO" D				Duotost Doculing F	Data
Mailing / Issuance l			6		Date:
Reviewer's Name:				_Date:	_ <del></del>

	Application # (1-1)361 Fernil # (7-1)676
	Public Notice Route Slip New Application Extension of Time per Division 315 Rules (Extensions received on July 1, 2001 or after)
	<ul> <li>♦ WRIG         Money Receipted on:</li></ul>
•	Added to tracking spreadsheet  After fee is receipted and app is added to spreadsheet, route to   Jonnine Skaug  Publish on Public Notice (initial 30-day comment): Date of notice
	Update WRIS Database
8	In the "PNotice Date" field Enter the date the Extension Application was published on the Public Notice.
$\zeta_{c}$	In the "Ext Filed" field Enter the date the Extension Application was received.
3	Yes or No: Return file to Extension Specialist after PN

CEIPT# 3	CEEDI		ALEM, OR 9 6-0900 / (50	7301-4172 3) 986-0904 (fa)		
EIVED FROM			ery t	10	APPLICATION PERMIT TRANSFER	6-15567
	ECK:# ■ 3936	OTHER: (ID	DENTIFY)		TOTAL REG'D	\$350.00
1083	TREASURY	4170	WRD M	SC CASH A	ACCT	
0407	COPIES					\$
	OTHER:	(IDENTIFY)				\$
0243 I/S Lea	ase 024			CONTRACTOR OF A PLANT OF THE PARTY OF THE PA		
		4270	WRD O	PERATING.	AGCT	
0211	MISCELLANEOU COPY & TAPE FI RESEARCH FEE MISC REVENUE DEPOSIT LIAB EXTENSION OF WATER RIGHTS SURFACE WATE GROUND WATE TRANSFER WELL CONSTRI WELL DRILL CO LANDOWNER'S OTHER TREASURY WELL CONSTS	EES ES ES (IDENTIFY) TIMENTE ER R UCTION PERMIT (IDENTII)  0437 TART FEE	R FY)	EXAM FEE \$ \$ EXAM FEE \$ CONST. STA	0202 0204 0219 0220	
0210	MONITORING W			\$	GARD	
7.5		(IDENTI	FY)			
0607 0233 0231	POWER LICENS HYDRO LICENS HYDRO APPLIC	E FEE (FW/	WRD)	ACTIVITY	LIG NUMBER	\$ \$
	TREASURY		OTHER	/ RDX		
OBJ. CODE	E	TITLE VENDO				\$



Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

July 7, 2009

REFERENCE: Application for Extension of Time

Dear Extension of Time Applicant:

The Water Rights Section has received your application for an extension of time for **APPLICATION FILE#: G-15567 (PERMIT#:G-15646).** Your application will be reviewed in the near future. Following the review, you will receive a Proposed Final Order either approving or rejecting the extension of time request. A 45-day protest period begins upon issuance of the Proposed Final Order. After the protest period closes, a Final Order is issued.

If you have questions concerning your extension of time application, please contact Scott Kudlemyer at (503) 986-0813. For general information about the Water Resources Department, you may contact the Water Resources' Customer Service Group at (503) 986-0801 or you may access the Department's Internet home page at: "www.wrd.state.or.us".

Pacific Hydro-Geole

18477 S. Valley Vista Mulino, OR 97042 (503) 632-5016

JUN 0 2 2003 WATER RESOURCES DEPT SALEM, OREGON

June 1, 2003

Oregon Water Resources Mr. Donn Miller 158 12th Street NE Salem, Oregon 97310-0210

RE: Water Right Application G-15567, Jcel Neuschwander

Dear Mr. Miller:

I am enclosing maps, cross sections, and well logs with additional information we have developed since the November 27, 2002 meeting that you do not have in the file. I am also enclosing a copy of the report prepared for Northwoods Nursery, which is approximately 4 miles east of Neuschwander. Several of the maps show a 1 mile radius from each Neushwander well, which marks the outside boundary of OAR 690-009-0040(4)(d). I am also enclosing the Initial Review Determination for water right application G-15687 (Valley Growers, CLACK 02356, Zyrynoff well log), which has been determined to be an illegally constructed well due to commingling and must be repaired.

Listed below are well logs we have identified with static water level measurements that show multiple confined aquifers. These wells are highlighted in yellow on Map 2. The review of well logs did not include T.4S. R.1E. Sections 27 and 35 and T.5S. R1E. Sections 3, 4, and 6.

CLACK 2356, Zyrynoff (Valley Growers Water Right App. No. G-15687)

CLACK 55788, Kelly

CLACK 11940, Jenks

CLACK 18458, Lingel

CLACK 12752, Blackledge

CLACK 18219, Traverso

CLACK 9804, Peoples

CLACK 12667, Lamon

CLACK12610, Sparks

CLACK 51686, Sheamon

CLACK 12574, Wormdahl

CLACK 12774, Miller, land owner driller

CLACK 52842, Yu, Miller property with 200 ft surface seal for irrigation well

CLACK 9236, Parrack

Neushwander Well Construct.

CLACK 12526, Miller (Figure 1, Northwoods Nursery Report) CLACK 56596, Frolov (Figure 1, Northwoods Nursery Report) CLACK 18557, Nofziger (Figure 1, Northwoods Nursery Report) CLACK 18748, Novak (Figure 1, Northwoods Nursery Report)

Please call us at 503.632.5016 if you have any questions or need additional information.

Sincerely,

Malia R. Kerpellas

Malia R. Kupillas, R.G., C.W.R.E.

Beyn 9 9/5 Gregory E. Kupillas, R.G., C.W.R.E.

Attachments: Well Logs Showing Multiple Static Water Levels

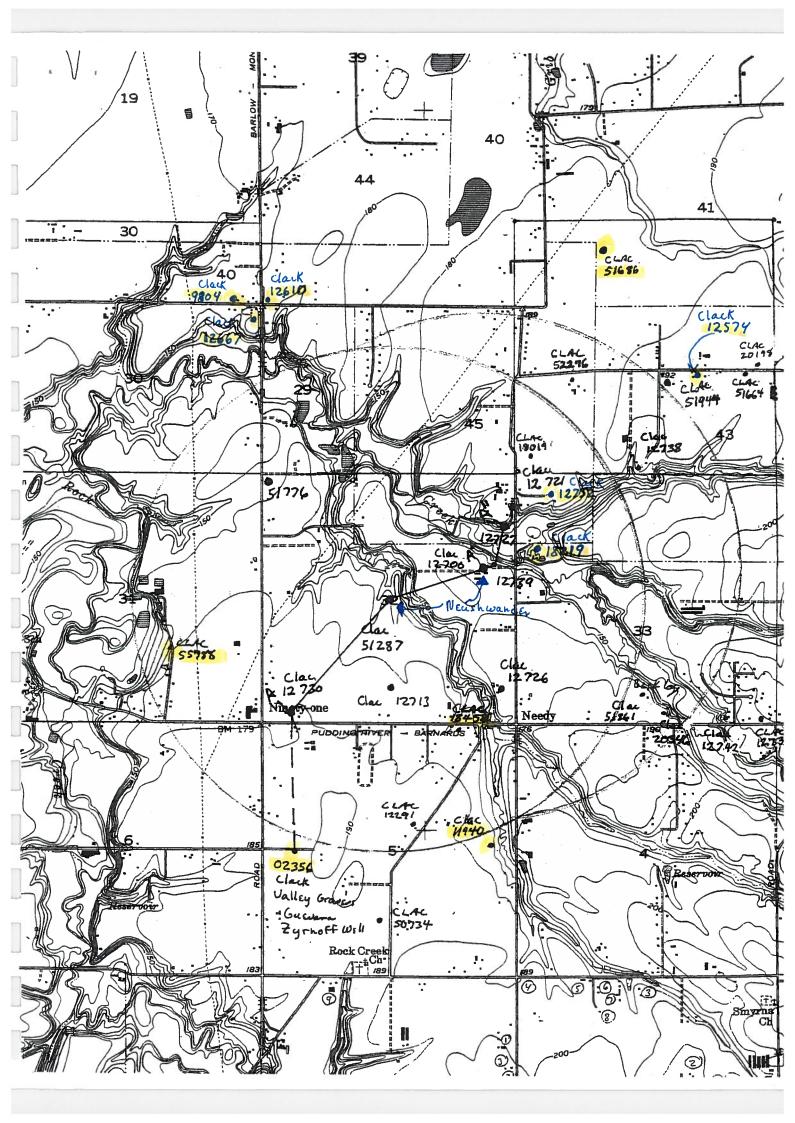
Additional Well Logs Not Showing Multiple Static Water Levels

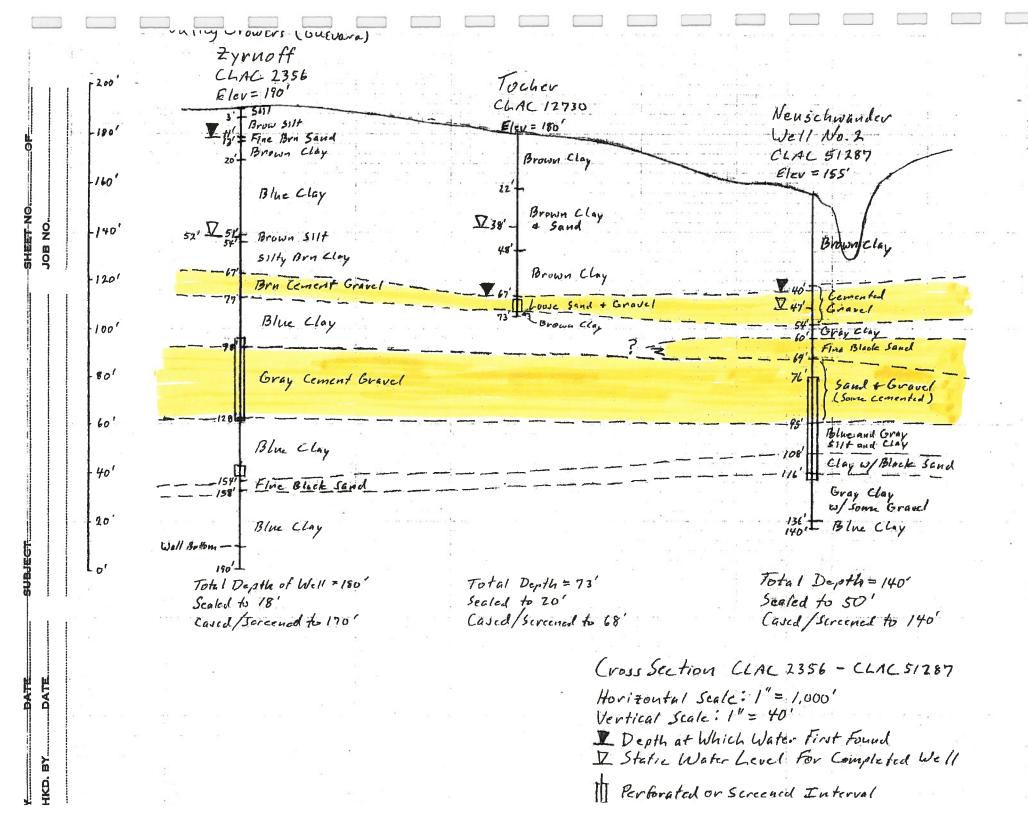
Northwoods Nursery Information

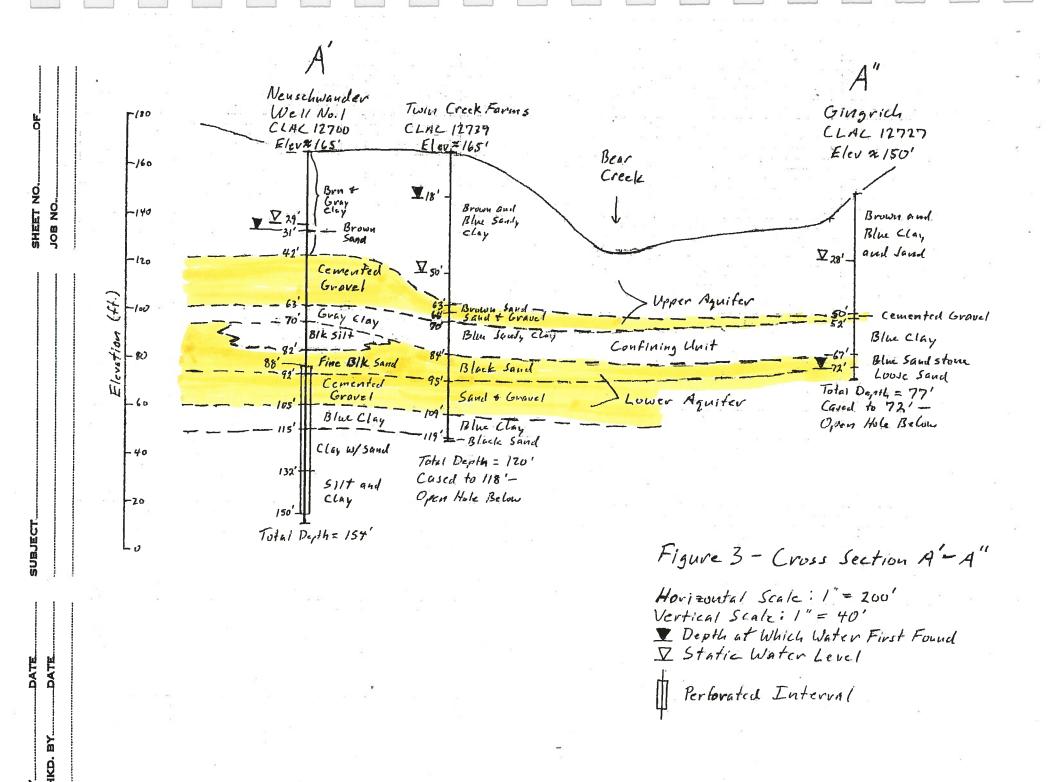
Valley Growers Nursery Initial Review Determinations











# Well Logs Showing Multiple Static Water Levels

MOTICE TO WATER WELL CONTRACTOR Valley Thorses 1 pg. No. 6-15687 The original and first copy of this report are to be filed with the WATER WELL REPORT WATER RESOURCES DEPARTMENT. STATE OF OREGON SALEM, OREGON 97318 02356 State Well No. . within 30 days from the date (Please type or print) of well completion. (Do not write above this line) CLAC State Permit No 6 28 (1) OWNER: (10) LOCATION OF WELL: lim E YRYNOFF County (LACKAMAS Driller's well number W 45W 4 Section 85 1. 55 ANBY R. (2) TYPE OF WORK (check): Bearing and distance from section or subdivision corner New Well Deepening 🗍 Reconditioning [ Abandon 🔲 If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Rotary Depth at which water was first found Driven 🗆 Domestic | Industrial | Municipal | Cable Jetted 🔲 Static level 52 ft. below land surface. Date 4-/2-7 Due Bored 🗍 Irrigation F Test Well [] Other Artesian pressure lbs, per square inch. Date CASING INSTALLED: Threaded | Welded | " Diam from \_\_ O \_ ft to \_\_ 17.0 ft Gage \_\_ 0.250 (12) WELL LOG: Diameter of well below casing & ." Diam. from .... Depth drilled 190 --- #L to \_ ff. Depth of completed well ." Diam. from \_ #L to \_\_ Formation: Describe color, texture, grain size and structure of mater . ft. Game and show thickness and nature of each stratum and aquifer penetr. PERFORATIONS: with at least one entry for each change of formation. Report each change position of Static Water Level and indicate principal water-bearing st Perforated? Fres | No. Type of perforator used Simo MATERIAL. Size of perforations in by 3/4 TOP SOIL ... perforations from . 95 # to \_129 0 Sier BROWN 11 Sand ENE perforations from ... BARWN 11 CLAY BERNA 13 (7) SCREENS: 20 LAY Bus Well screen installed? | Yes | No 20 51 Manufacturer's Name . SILF BROWN 51 54 CLAY SILTY BROWN \_ Model No. 54 67 CEMENT GOVER BREWA \_ Slot size \_ Set from 67 27 \_ Slot size \_ CAY BLUE Set from . .. ft. to 27 25 £ EMRN; Gravel Grey (8) WELL TESTS: 98 Drawdown is amount water level is lowered below static level 128 CLAY Bung 128 154 Was a pump test made? Tes [] No If yes, by whom? EINE BUNCK AND 154 158 gal/min with 4 ft drawdown after 158 190 hrs. . Baller test gal\_/min\_ with ft. drawdown after hrs. Artesian flow perature of water 5 / Depth artesian flow encountered \_\_ £, Work started 11 JUN 19 79 Completed 25 Jun 9) CONSTRUCTION: Date well drilling machine moved off of well 25 June Vell seal-Material used \_\_\_\_\_\_\_ Emgs. Drilling Machine Operator's Certification: Vell sealed from land surface to \_\_\_\_\_ This well was constructed under my direct supervisie Materials used and information reported above are true to : paraeter of well bore below seal ..... umber of sacks of cement used in well seal .... [Signed] Alcher Date 30 Vum 19 sacks w was cement grout placed? Pumped Drilling Machine Operator's License No. 1200 Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report as a drive shoe used? Fres 🗆 No Pings ............. Size: location ..... true to the best of my knowledge and belief. d any strata contain unusable water? 

Yes P No Name (Person, firm or corporation) pe of water? depth of strata N2//c/21//1824 Address

[Signed]

Contractor's License No. 449

Date

thod of sealing strata off

ivel placed from ....

s well gravel packed? [] Yes [] No

Size of gravel:

... ft. to ...

## **SKYLES DICLAC** 55788 **1169 Molalla Ave.** Oregon City, OR 97045 WATER SUPPLY WELL REPORT

STATE OF OREGON

(as required by ORS 537.765)

(as required by ORS 537.765)
Instructions for completing this report are on the last pub. (503) 656-2683 Fax (503) 656-2634

WELL ID # 39122

(START CARD) # 131501

(1) OWNER: Well Number: 02  Name John Kelly Address 29817 S. Kenagy Ln. City Hubbard State OR Zip 97032  (2) TYPE OF WORK:  Xi New Well   Deepening     Alteration (repair/recondition)     Abandonment	(9) LOCATION OF WELL by legal description: County Clackarnas Latitude Longitude Township 4SOUTHN or S. Range 1EAST Eor W. of WM. Section 31 SE 1/4 SE 1/4 Tax lot 01110 Lot Block Subdivision Street Address of Well (or nearest address) 29817 S. Kenagy Ln., Hubbard, OR
(3) DRILL METHOD:  X'Rotary Air Rotary Mud Cable   Auger	(10) STATIC WATER LEVEL: 85 ft. below land surface. Date 6/29/00 Artesian pressure lb. per square inch. Date
Other  (4)-PROPOSED-USE:   X Domestic	(11) WATER BEARING ZONES:  Depth at which water was first found 44*
	From To Estimated Flow Rate SWL 44 64 10 32
Special Construction approval Yes XINo Depth of Completed Well 192 ft.  Explosives used Yes IXINo Type Amount  HOLE SEAL Amount  Diameter From To Material From To sacks or pounds	93 123 15 (soupy to (10) 75 136 142 30(4.5PPM) 75 186 191 25 85  (12) WELL LOG:
10	Material   From   To   SWL
(6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded  Casing: 6 +1.5 178.5 .250   X	Clay, gray, gritty Sand, semi-cemented, multicolored Sand, cemented, multicolored with fractures, with sand, medium Sand, black, soupy with gravel Gravel, medium to large, MC Clay, gray, semi-silty Sand, multicolored, fine Sand, black, semi-cemented Sand, black, semi-cemented Sand, black, semi-cemented Clay, brown-gray, sandy 193 101 111 120 123 126 125 127 126 127 127 128 129 129 129 120 120 120 121 121 121 122 123 125 126 126 127 127 128 128 128 129 129 129 120 120 120 120 120 120 120 120 120 120
(7) PERFORATIONS/SCREENS:	Clay, gray 162 181
X Perforations   Method Saw    Screens   Type   Material     Slot   Tele/pipe	Clay, gray, gritty       181       186         Sand, semi-cemented, MC       186       191       85         Clay, gray       191       192
(8) WELL TESTS: Minimum testing time is 1 hour. 0 7 ZUUU  Pump   Bailer   X Air   Flowing Artesian WATER RESOURCES DE Yield gal/min   Drawdown   Drill stem at   SALEM, TOREGON   172   1/4 hr.	Date started 6/27/00 Completed 6/29/00  (unbonded) Water Well Constructor Certification:  I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to my best knowledge and belief.  PT.  Signed  WWC Number 1601  Date 7/6/2000  (bonded) Water Well Constructor Certification:  I accept responsibility for the construction, alteration, or abandonment work
Temperature of Water 61.4 Depth Artesian Flow found  Was a water analysis done? [X]Yes By whom Driller 0.8 PPM Iron  Did any strata contain water not suitable for intended use? []Too little  Salty   Muddy   'Odor   (Colored   X]Other 4.5 ppm iron  Depth of strata: 136-142	performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  WWC Number 1592  Signed Literat C. Bland Date 7-6-2000

# JUL 2 4 1991

#### STATE OF OREGON

175		JU	L 2 4 1991	1	GIAC			,	2		
	ATE OF OREGO	N				) (	550/	اسر ا	In the		
WATE (as requ	K WELL REP	ORT WATER F	RESOURCES	DEPT.	N 1 '	_	24/2		244		
(1) OW		11	FAL OREGO		START CARD) #_	2663					
1 1 1	RY VEIKS			- (a) LOCATION	(9) LOCATION OF WELL by legal description:						
	SI TROOM			Township S	County CCACKA PLAS  Township SS Nors Range / E Ear W. WM.						
	EST Level	State (	R Zip 9	Section 5	NorS, Range	5.5	E or	W. WM.			
	E OF WORK:			Tay   at 3/0/ o		- DE 1/4					
New Well		Recondition	Abandon		Street Address of V	Lot Bloc Fell (or nearest address)	*s	shdivision	2.		
	LL METHOD				-ca (or nearest sources) -	- ALER	oy A	-D			
Cother	Rotary Mo	d Cable			(10) STATIC V	VATER LEVEL	·				
	POSED USE:					below land surface.		se <u>18</u> 1	-6		
Domestic					Artesian preseure _	Ib. per squ	tare inch. De	te	sucy.		
☐ Thermal	injection	Other	Irrigation			EARING ZONE					
(5) BORI		STRUCTION:			Depth at which water was						
pecial Constr.	etion approval Yes	No Depth of 0	Completed Well	146 1		To	<b>5</b> in				
Explosives used	Yes No L				52	<u>کیک</u>	Estimated F	W Hate	SWL		
		· ———— Am	ount		82				= 30		
HOL. Diameter Fro		SEAL		ount		138			40		
12 1		race Bento	To sacks e	-					-		
3 23	3 146		ON CY		(12) WELL LO	2.					
					(22) (1220)	Ground elevati	nn				
						Material	From	То	SWL		
How was seal pla	aced: Method 🔎 ,	A DB Dc D	р Пе-		2011			3			
Other Code	ALLAL FOEL	TONAC MES	4.0.2		CLAY BROW		3	23			
Backfill placed fr	romft. to _	ft. Material			SAND CLA	BROWN	23	28			
Gravel placed fro	m <u> </u>	the ft. Size of gra	ivel PEAT		CLAY GRAY		28	52			
(6) CASIN	G/LINER:				CEMENTED C	SCAUEL GRE	7	54			
	ter From To	0	tic Welded T	hreaded		eaver BROW		82			
Casing: 6	0 146	4-25 G- [	_		CLAY GREY	SARRY	\ \frac{\xi_2}{2}	104	-		
		<del>                                     </del>			CLAY GREY		104		<u> </u>		
iii .		<del>  </del>				SAWDY ROCKS	106		-		
					CLAY GREY	VAL ICOCICS		140			
Liner:		┼──┤ 🖳 🛛			13,000		140	146	,		
Final location of s	141							<del> </del>	-		
								<del> </del>	-		
	RATIONS/S			1	6 GRAVEL	FEED PIPE		,	<del>  </del>		
Perforat	tions Method	DRIVE DOW	لمع		TO RH CASIA		adjac	200	<del>  </del>		
☐ Screens	Туре	Mai	terial			7		<del>                                     </del>	<del></del>		
From To	Slot	Tele/pi	pe						<b></b>		
From To		r Diameter size	Casing 1	Liner							
		<del>                                     </del>	-								
			_ 1								
			_		Date started Secry 8	Comple	red Jucy	18	1991		
(8) WELL 1	TESTS: Minim	num testing time		<del>-</del> -	(unbonded) Water We	I Constructor Cost	fication.				
☐ Pump			Flowing	- 1	I certify that the w	ork I performed on t	he construction	n. altera	tion or		
	☐ Bailer	Air	☐ Artesian		and the state of the sale	il 16 in commissiones s	with Owner -	-II			
Yield gal/min	Drawdown	Alk line	Time		standards. Materials used knowledge and belief.	and mormation rep	orted above are	true to	my best		
250		136	l hr.		nucleared to		WWC Num	aber			
		<del></del>  :	Signed		Date						
1				;	(bonded) Water Well Co						
emperature of wat		Depth Artesian Fl	ow Found	- 1	l accept responsibilit	V for the construction		n ab3			
ias a water analysis		By whom			ACKY DESTORIDED OF FUR AN	<b>Bil Cliffing the conetw</b>	ation deter		- 10		
oid any strata conta	in water not suitable	for intended use?	Too little		AATE NATIONAL CHALLES	Little films to the or	impliance	h 0	. ••		
J Salty 🔲 Mudd	ty 🗌 Odor 🔲 Coi	lored Other		6	onstruction standards T	us report is true to	the best of my	imowied	ge and		
epth of strate:					igned	01/21	WWC Num	, ,	3		
RIGINAL & FIRS	T COPY - WATER	RESOURCES DEPART	MENT		COPY CONSTRUCTOR	my Jak	Date 201	me,	<u> </u>		
					AUDINUCITIE	THIRD COM	A 10000	7			

# · STATE OF OREGON

APR 21 1993

(START CARD) #\_ 49086

WATER WELL REPORT (as required by ORS 537.765)

WATER RESOURCES DEPT

Name o			ingel		Well	Number_			(9) LOCATION	OF WELL by legs	ıi descr	iption:		
Address	782	S.	Barn:	arde	P.A				County Clac	Latitude		Longitud	e	
Address 7828 S. Barnards Rd. City Canby State OR Zip 97013								Township 55	N or S. Range	1E		_E or \	W. WM	
(2) TY			DE.		OUNC	OR	<u> </u>	7013	Section 5	A	. <b>%</b>	<u>6A</u>	4	
			cepen	П ъ		Π.				_LotBlock				
(3) <b>DR</b>	WELL N	ALC: THE	COD	L Rec	ondibon	<del>^</del>	bendon		Street Address of 1	Well (or nearest address)	)			- 12
			Rotary Mu	. 107										
Other		لسا ج	Kotary Mu	لبكالة	Cable				(10) STATIC WA					
		EED Y	CER							below land surface.			4-	
(4) PRO				_	4.				Artesian pressure	Ib. per so	puare incl	n. Date		**
			mmunity			☐ Irriga	tion		(II) WATER BEA	RING ZONES:				
	nel		ection											
			CONSTR						Depth at which water	was first found				
Special Con	struction	ybbtos	al 🔲 Yes	LX No	Depth	of Comple	sted Well_	104a	ļ					
Explosives	used	∐ Ye	No '	Гуре		_ Au	iount		Prom	To	Estin	nated Flor	w Rate	SW
TE	KOLE			SE	AL		Am	tomos	60	61	<u>u</u>	nk		27
Diameter	-0.000	_			From	To			90	104		40+		32
10	_0_			ent	0_	22	15							
6	35	104											-	
		<b>-</b>			<u></u>	ļ			(12) WELL LOG					
		L	L				1		() (1.202. 20G.	Ground elevat	ion	unl	k	
low was s	cai pla	ced: M	ethod 🔲 A	□в		. □ D	ΠE			CIONED OIONE	.0			
Other.						•				Material	<del></del> -	From	To	SWI
ackfill pla	aced fr	om	ft. 10	ft.	Mater	rial I	N/A		Top Soil			0	2	
			_ fl. to			of gravel	711		Silty gre			2	22	
6) CAS	ING/	LINE	R:			- garates			blue sand			22	48	4
	lometer			Gange	Steel	Plastic W	Velded T	Thrended		rse sandy c	1 2 22	48	60	
asing:	6	+	1 97	250			X		Clean 1"		Lay	60		
						H			blue sand			61	70	27
					Ĭ		H							
					Ħ	H		$\exists$	brown sand			70	90	—
iner:	4	7	7 104	60					PIECK COM	rse sand w/				<del> </del>
1821	-	+	1-107		H		긤	H		<u>g:</u>	rave.	L 90	104	32
 1 1		<u> </u>	97			<b>L</b>	لبا	Ц				50	<u> </u>	<u> </u>
nal location				TOP IC								<b></b>		
			NS/SCRE	ENS:										
L Pe K K So	TOTAL	ons		DWG			10 0		<u> </u>					
· OLI Sc	reens		Туре	PVC		Material .	10-2	U sa	<b>q</b>				20	
*****	-	Sla				e/pipe								
87   1	To 04	Size		Diame		ione C	grize	Liner						
9/ 1	<u> </u>	10	<u>'                                    </u>	4										
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		<del> </del>												
									10	<del></del>				
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VIVETY 1	T TITLE	CIC.	Mi-		- 4	<u> </u>						-		
اسالن ∓ ۲ ر	L II	313:	Minimun	ı testili	g time	is 1 poi			Date started 4-12				-15-	93
☐ Pum	n .	7	Bailer		Air.		Flowing		240 32122		picted			<u> </u>
	T	_	-41CI	4 نــه	TAIL		Artesian	•	(unbonded) Water Well	Constructor Certifica	tion:	t.	41	
Yield gal/	randing	Des	andown	Dri	ll stem a	t	Time		ment of this well is in co	rk I performed on the c	ell cocce	ML, ERCTE Retire	mon, or a	Mando
20		3					(Thic)		used and information re	ported above are true to	my best	knowled	ee and he	warsiill elief
								<u> </u>	•					
												WWC No	ımber	
									Signed		r	Date		
			54						(beaded) Water Well C	onstructor Certification	n:			
nperature						Flow Foun	1d		I accept responsibilit	y for the construction, al	teration.	or abande	onment w	vork per
s a water	analys	is done	Yes	By wh	10m				formed on this well durin	g the construction dates :	reported a	above. All	work pe	erforme
			er not suitab				Too little		during this time is in com	pliance with Oregon well	CONSTRUC	tion stand	lards. Thi	is repor
			Odor 🗌						is true to the best of my	knowledge and belief.		WWC N		549
pth of stra									Signed	Range	1	WWC NE	MIROET	an
IGINAL .	& FIR	ST COI	Y - WATE	RESOI	JRCES I	EPARTM	ENT	SECON	COPY - CONSTRUCT	YOU THEN CO.	<u> D</u>	arc Z	16	7_>
								كالاستناد	/ CULT - COMPIREDICT	CWC LIMBED LAUD,	v Cile	TENEDO	000	

NOTICE TO WATER WELL CONTRACTOR The original and first coop E G E I V PAGER WELL REPORT LAC of this report are to be E G E I V PAGER WELL REPORT . . . filed with the STATE ENGINEER, SALEM, OREGON STATE ENGINEER, SALEM, OREGON STATE ENGINEER, SALEM, OREGON STATE OF OREGON (Please type or print) 012752 State Permit No. within 30 days from the Sine ATE ENGINEER write above this line) SALEM. OREGON 502 (1) OWNER: (10) LOCATION OF WELL: Name Bruce: A Blackledge County Clack am as Driller's well number Address 2955 N.E. 28th. Portland. 14 Section T. 48 R. IE W.M. Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New Well IX Deepening [ Reconditioning [ Abandon | If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): 42 Depth at which water was first found Rotary Driven 🗋 Domestic 🗵 Industrial 🔲 Municipal 🗇 ft. below land surface. Date 9\_26\_70 Static level Cable Jetted 🔲 Dug Bored | Irrigation | Test Well | Other Artesian pressure lbs. per square inch. Date CASING INSTALLED: Threaded [] Welded [] (12) WELL LOG: \_" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_\_\_ ft. Gage \_\_\_\_\_\_\_ Depth drilled 117 ft. Depth of completed well 117 ." Diam. from ..... ft. to \_\_\_\_\_ft. Gage \_ Formation: Describe color, texture, grain size and structure of materials; ." Diam. from ..... .... ft. to \_\_\_\_\_ ft. Gage \_ and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in (6) PERFORATIONS: position of Static Water Level and indicate principal water-bearing strata. Perforated? ☐ Yes 🖾 No. of perforator used Size of perforations in. by in. Sandy Clay Topsoil ... perforations from ... Claystone Brown . . perforations from \_ Sandstone Brown ... perforations from ..... ft. to .... Sand-Br. Water trace 40 Clay Yellow Sticky (7) SCREENS: 55 Well screen installed? 🗌 Yes. 🖾 No Clay Blue Sandy Manufacturer's Name Sand Brown Water \_\_ Model No. Clay-Brown \_\_Slot size \_\_\_ Set from \_\_ ft, ---- ft. to \_ Sand-Black-Fine Diam. ..... Slot size ... .... ft. to ..... . Set from ... Sand-Gravel trace (8) WELL TESTS: Gravel-Sand-Water Drawdown is amount water level is lowered below static level 45 Was a pump test made? [] Yes [2] No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test 50 gal./min. with 30 ft. drawdown after 2 . hrs. Artesian flow g.p.m. Temperature of water Depth artesian flow encountered ft. Work started 9-21 1970 Completed 9-26 19 70 Date well drilling machine moved off of well CONSTRUCTION: 19 70 Well seal Material used Rentontte-PuddTed Clay Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my Well sealed from land surface to \_\_\_\_\_\_ 25 best knowledge and belief.
[Signed] \_\_ h. \_8\_\_\_ in. Diameter of well bore below seal ... Date 9-28 19 70 Number of sacks of cement used in well sal .. Drilling Machine Operator's License No. 595 Number of sacks of bentonite used in well seal \_\_\_\_ Brand name of bentonite National Water Well Contractor's Certification: Number of pounds of bentonite per 100 galians This well was drilled under my jurisdiction and this report is \_ lbs./100 gals. true to the best of my knowledge and belief. Was a drive shoe used? 🖺 Yes 🗌 No 💯 🚐 .... .... Size: location \_\_\_ Name S & M Drilling & Supply Did any strata contain unusable water 🖸 Yes 🖾 No (Type or print) Type of water? depth of strata Method of sealing strata off [Signed] \ Was well gravel packed? ☐ Yes ☐ No Size of gravel: 497 Date\_\_ Gravel placed from .... # to -Contractor's License No. . , 19.70 (USE ADDITIONAL SHEETS IF NECESSARY)

#### b

## STATE OF OREGON WATER WELL REPORT (as required by ORS 537,765)

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

NOV 17 1992

BECEIAED



3)4<u>5/1/2/336</u>

Date 10/24/92

THIRD COPY - CUSTOMER

35240 (as required by ORS 537.765). , ...... (START CARD) #. WATER RESOURCES DEPT SALFM. OREGON 9 (1) OWNER: (9) LOCATION OF WELL by legal description: Name Bob & Nancy Traverso County Clack, Latitude \_\_\_\_Longitude 29322 S Needy Rd Township 4S N or S. Range 1E State Or Canby Zip 97013 SW W NW (2) TYPE OF WORK: 700 Lot Tax Lot\_ \_Block Subdivision New Well Deepen Recondition Street Address of Well (or nearest address)
29322 S Needy Rd. Canby, Or-(3) DRILL METHOD: 97013 Rotary Air - Rotary Mud Cable (10) STATIC WATER LEVEL: Other\_ \_\_ ft. below land surface. Date 10/21/92 (4) PROPOSED USE: Artesian pressure\_ \_ lb. per square inch. Date\_ Domestic Community Industrial (II) WATER BEARING ZONES: Irrigation ☐ Injection Thermal ☐ Other (5) BORE HOLE CONSTRUCTION: Depth at which water was first found Special Construction approval Yes No Depth of Completed Well 230ft. Explosives used Yes X No Type From Estimated Flow Rate Amount To SWL 72 77 HOLE SEAL 6 GPM 38 Amount Diameter From Material 112 120 sacks or pounds 100 GPM 41 12" 0 19 cement 0 1 19 15 sacks 180 227 8" 19 <u>180 GPM</u> 45 230 (12) WELL LOG: ...... \_ Ground elevation \_ **⊠** c How was seal placed: Method A B  $\Box$  D ΠE ☐ Other Material From To SWL Backfill placed from\_ fl. to ft. Material Ton soil 0 Gravel placed from ft. to\_\_ ft. Size of gravel Clay, brown 22 (6) CASING/LINER: Clay, sand, brown. 22 48 Clay, blue Welded Threaded 48 61 16"180 B 团 Clay, sand, blue, black, fine 61 72 Sand, gravel, medium, brown 72 77 38 Clay, blue 91 П Sand, gravel, black, medium 91 | 112 Liner: 6"PVC 170 230 X Gravel, medium 12 120 Clay, blue 120 180 Final location of shoe(s) 180 Sandstone, black, fractured 180 227 (7) PERFORATIONS/SCREENS: Clay, blue 227 230 Perforations Method Saw ☐ Screens Type ' Material From Th size Number 180 227 1/8 50 X 10" (8) WELL TESTS: Minimum testing time is 1 hour 10/9/92 Date started 10/21/92 Flowing Completed ☐ Pump ☐ Bailer Air Air Artesian (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandon-Yield gul/min Drawdown Drill stem at Time ment of this well is in compliance with Oregon well construction standards. Materials 180 used and information reported above are true to my best knowledge and belief. 229 1 hr. WWC Number Date (bonded) Water Well Constructor Certification: Temperature of Water \_\_\_\_54 Depth Artesian Flow Found I accept responsibility for the construction, alteration, or abandonment work per-Was a water analysis done? Yes By whom formed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report Did any strata contain water not suitable for intended use? Too little is true to the best of my knowledge and belief. Salty Moddy Odor Colored Other 637 WWC Number Depth of strata:

SECOND COPY - CONSTRUCTOR

## 8/18

STATE OF OREGON

WATER WELL REPORT
(as required by ORS 537.765)



JUN 24 100

45/1E/30 ab

		00)		· · · · · · · · · · · · · · · · · · ·	START CARD) # 🛥	72453	TI	600
(1) OWN	, ,		vell Number:		OF WELL by l			
		S .		- County Clack	Carried R			
City A	RORA OR	MERRIDIAN	25	Township 45	Nor S. Range	Longi	tude	<u> </u>
		State	Zip 97002	Section 30	NW 1/4	NE	E or '	W. WM.
	OF WORK:			Tax Lot _ 600	Lot Bloc	- 1/4 - C		
New Well	Deepen	Recondition	Abandon	Street Address of V	ell (nr nearest address)	21		ο.
	L METHOD	_		@ ELEC	TRIC IRANSA	453102	1100	<u> </u>
Rotary Air	Rotary Muc	Cable		(10) STATIC V	VATER LEVEL	•		
Other				= 28 "	below land surface.		. /	
	OSED USE:		_	Artesian pressure	lb. per squ		10 <u> </u>	UE 9
☐ Domestic	Community		Irrigation				le	
Thermal	Injection	Other		(11) WATER B	EARING ZONE	ES:		
(5) BORE	HOLE CONS	TRUCTION:		Depth at which water was	s first found			
pecial Constru	rtion approval Yes	No Depth of	Completed Well 296	ft. From	To	Estimated Flo	nu Bata	SWI
Explosives used			Name	<u>(e1</u>	103			3 40
HOLE		SEAL		174	186			
	m To Mat	erial From	Amount To sacks or pound	208	228			20
12 /	22 GRAN	JULAR BENTO	JITE 14	1 284	289			30
_ X   = 2=	296			[   (12) WELL LO	Ground elevation			130
	<del></del>				Material			
	<del></del>			- Socc	IAI BEEL 1911	From	To	SWL
How was seal pla	ced: Method	ДВ ОС	] D 🗆 E	CLAY BROWN			6	
Other	KANUCAR D	ENTONITE M		- SILT BROWN		- 6	30	
	omft. to			- CLAY GREY S	Saux	30	50	
		ft. Size of gr	avel	CEMENTED GEN	aufer	50	61	ļ
(6) CASIN				11CLAY GDEY SA	14121	61	30	
Casing:	er From To		stic Welded Threaded	CLAY TAN	SUEV	70	80	ļ
casing:	707			CLAY GREY		80	95	
<del></del>		<del></del>	, = -	CLAY TAN		95	<del></del>	
		<del>  </del>	_	CLAY GREY		135	/35	
Liner:			. = -	GRAVEL CLAY	IEY	176	126	
				CLAY DK GR	EY SANDY	178		
Final location of s	hoe(s) _ 284	<del></del>		SAND BLACK		ZIZ		
	RATIONS/S	CDEENG		CLAY GREY	Some SAND		228	
Perforat			•	CLAY GREY		228		
Screens		DRIVE DOW		CLAY BLUE	STICKY	252		
Co occess	Type Slot		tterial	SAND GREY		282		
From To	size Numbe	Tele/pi r Diameter size		CLAY SAND		287	294	
174 186	1/8×15 100			CLAY BLUE	STICKY	294	29%	
208 228	1/8×12 150						- 1	
	1							
				D	1 7.			
				Date started MARCH	, comple	ted June	4 180	٠ ،
(8) WELL 1	TESTS: Minin	num testing time	is 1 hour	(unbonded) Water We	ll Constructor Certi	fication:		
Pump	☐ Bailer	Air	Flowing	abandonment of this wa	vork I performed on t	he construction	n, alterati	on, or
Yield gal/min	Drawdown		☐ Artesian	standards. Materials used				
		Drill stem at	Time	knowledge and belief.	· · · · · · · · · · · · · · · · · · ·	or sed above are	true to m	y best
180	120	147	31 hr.	G:1		WWC Num	ber	
				Signed		Date		
	er 25			(bonded) Water Well C	onstructor Certifics	tion:		
emperature of water			low Found	accept responsibili	ty for the construction	m mldamadi	r abaadon	rnent
vas a water analysis		By whom		work performed during	this time is in a	ction dates rep	orted abov	∕e. all
Sales T	un water not suitable	for intended use?	Too little	. I	This report is true to	miphance with the best of my	knowlede	well
epth of strate:	ıÿ ∟ Udor ∟ Col	ored Other	<del></del>		1	WWC Numi	her 74	<i>7</i>
PICINAL PRINCE	70000			Signed Sichard	Pack	_ Date ke		
D PIPA								-

	ELL REPORT		1	_
STATE ENGINEER, SALEM, OREGON 9731 1 2 7 (Please t	OF OREGON State Well No ype or print) State Permit		•	
OWNER:				2602
Name Mr. M. J. Lamon	(10) LOCATION OF WELL:			
Address Rt. 2 Box 117 Canby Oregon 97013	County lackamas Driller's well	number		
				W.M
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivi	sion corne	er	
New Well Deepening Reconditioning Abandon				
If abandonment, describe material and procedure in Item 12.	(11) THE APPLIES A STATE OF			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed	vell.		
Rotary Driven Domestic	Depth at which water was first found 7			ft.
Cable  Jetted	It. below land	surface.	Date 2-	-21-7
	Artesian pressure lbs. per squa	re inch.	Date	
CASING INSTALLED: Threaded Welded	(12) WELL LOG: Diameter of well			
6 "Diam from 0 ft. to 101 ft. Gage 250	Zamineter or Well			
5-9/16 am. from 95 ft. to 140 ft. Gage 10 ft. to 140 ft. Gage	.			
	Formation: Describe color, texture, grain size and show thickness and nature of each stratu with at least one entry for each show the stratum of the stratum			
PERFORATIONS: Perforated? E Yes - No.	with at least one entry for each change of forms position of Static Water Level and indicate print			
Type of perforator used Torch	MATERIAL	From	То	
Size of perforations $\frac{1}{2}$ in. by 8 in.	Soil brown	0		SWL
24 perforations from 110 ft. to 140 ft.	Clay orown	4	4	
perforations from ft. to ft.	Sand with small gravel	65	82	37
perforations from ft. to ft.	_Sand brown	82	88	
(7) SCREENS: Well screen installed?   Yes  No	Clay blue	88	130	1
ıfacturer's Name	Sand black	130	140	42
Cype Model No.			$\longrightarrow$ $\downarrow$	
Diam. Slot size Set from ft. to ft.			$\longrightarrow$	
Diam Slot size Set from ft. to ft.		<del>                                     </del>		
8) WELL TESTS: Drawdown is amount water level is lowered below static level				
Vas a pump test made? ☑ Yes ☐ No If yes, by whom? driller				
gal./min. with 58 ft. drawdown after hrs.			$\overline{}$	
" " "				
lailer test gal./min. with ft. drawdown after hrs.				
rtesian flow g.p.m.		<del></del>		
perature of water 55Depth artesian flow encountered ft.	Work started 2-16-73 19 Complete		<del></del>	-72
9) CONSTRUCTION:	Date well drilling machine moved off of well	<u>2-2</u> 5	2	197 <u>3</u> 19 73
/ell seal-Material used Bentonite	Drilling Machine Operator's Certification:			
'ell sealed from land surface to	This well was constructed under my Materials used and information reported best knowledge and belief	direct s	uperv	ision.
iameter of well bore to bottom of sealin.	best knowledge and belief	above ar	e true	to my
umber of sacks of cement used in well seal	[Signed] Dollart Set	Sate3	24	1973
umber of sacks of bentonite used in well seal sacks	(Drilling Machine Operator) Drilling Machine Operator's License No	776	_ ,,	
rand name of bentonite National	The state of the s			
under of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
waterlbs./100 gals.	This well was drilled under my jurisdic	tion and	this rer	ort is
drive shoe used? Yes No Plugs Size: location ft	to alle best of my knowledge and belie	<b>.</b> T.		
any strata contain unusable water?   Yes  No	Name A C Stites (Person, firm or corporation)	(Tvn-	OF Brist	********
pe of water? depth of strata	Address Rt 3 Box 139B Cer	ahar. 7	)m ~	_
ethod of sealing strata off	[Signed]	TO 3	ਮਾ. <del>. C</del> ਵ0	·#
as well gravel packed? [] Yes K No Size of gravel:	(Water Well Control	tor)		
avel placed from ft. to ft.	Contractor's License No. 533 Date 3	-24		, 73
/YIOD ATTEMPANTAN				18

#### RECEIVED

#### STATE OF OREGON

WATER WELL REPORT

IIIN 3 - 1987

(m) 1 of 1 o		
(1) OWNER: Well Number DESCON	(9) LOCATION OF WELL by legal description	1:
Address 12123 Armot SaleM. ORECON	County Clack Latitude Longitude Township 4S Nor S, Range 1E R	
City Aurora State Or Zip 97002	Township 4S Nor S, Range 1E E	r W, WM.
	Section 29 SW 4 NW 4	
(2) TYPE OF WORK:	Tax Lot 301 Lot Block Subdivisit	n
Recondition Abandon	Street Address of Well (or nearest address) 7051 S 71 r	merma
(3) DRILL METHOD	表表示表示 Canby, Gr. 97013	
Rotary Air Rotary Mud Cable	(10) STATIC WATER LEVEL:	
Other		
(4) PROPOSED USE:		21/87
<u> </u>	Artesian pressure Ih. per square inch. Date	
	(11) WATER BEARING ZONES:	
☐ Thermal ☐ Injection ☐ Other		
BORE HOLE CONSTRUCTION:	Depth at which water was first found 64 *	
Samuel Construction approval Yes No Depth of Completed Well 185 g	From To Estimated Flow Rate	SWL
Ver No L III		
Explosives used		41 '
HOLE SEAL Amount	d CO	601
Diameter From To Material From To sacks or pounds	179' 184' 20 GPM	54!
	(10)	
10" 0 19 cement 0 19 13 sacks	(12) WELL LOG: Ground elevation	
6" 19 185"		
	77	
How was seal placed: Method	Top soil 0	2
Other	Clay, brown 2 2	3
Backfill placed fromft_ toft. Material	Clay, sand, brown, fine 23 4	9
Gravel placed from ft. to ft. Size of gravel	Sand, brown, fine 49 5	8
(6) CASING/LINER:	Clay, sand, blue, black, fr. 58 6	4
Diameter From To Gauge Steel Plastic Welded Threaded	Sand, gravel 64 7	1 41 '
	Clay, gravel 71 7	7
	Gravel, compact - 77 8	1 60'
		7
	Sand, brown, fine 97 10	
Line 4 "PVC 105 185	Clay, blue 102 17	
	Sandstone 179 18	
	Clay, blue - 184 18	
Final location of shoe(s) 131'	103 10	<del>*  </del>
PERFORATIONS/SCREENS:		
Perforations Method Saw		
Screens Type Material		
Slot Tele/pipe		
To size Number Diameter size Casing Lines		
9 184 1/8 10		(8)
X		
8"		
	Ditte started 5/16/87 Completed 5/21/	37
(O) WELL E MINISTER AND A STATE OF THE STATE	(unbonded) Water Well Constructor Certification:	
(-)	I certify that the work I performed on the construction, air	**
☐ Pump ☐ Bailer ☐ Air ☐ Artesian	walloument of this well is in compliance with Cases	
	calculates. Materials used and information reported shows are type	to my best
The state of the s	mowledge and belief.	•
20 # 180 ! 1hr.	WWC Number	
	Signed Date	
	bonded) Water Well Constructor Certification:	
Territorature of water 34 Diath Assessme Ross Rossel	I accept remongibility for the construction also also	
	rula periurined on this wall diring the construction datas	9
	AND DOLLOTTING CHILD IN THE IN COMMISSION WITH CO.	
The state of the s	shief. This report is true to the best of my know	ledge and
LI Sand LI Middly LI Colored Li Colored Li Colored Li	WWC Number	637
	ligned Date 5/2	/87
WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COP	Y-CONSTRUCTOR PINK COLC - CUSTOMER	9809C.10/88

Clac	HECEIVE
51484	MAY 1 3 1997

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- [	1)
7	ン

STATE OF OREGON MAY 1 3 1997 WELL I. WATER SUPPLY WELLARER ORESOURCES DEPT. (as required by ORS 537.765)	D# 12824
(as inquired by ORS 537.765)  Instructions for completing this report are do the fast page of this form	(START CARD) # 88635
(1) OWNER: Name Marf W. Shin Man. Well Number	
Address 2704 S. Neels 10.	(9) LOCATION OF WELL by legal description:
City CARLY State CARLO TO COLO	Township 4 N or Range
(2), TYPE OF WORK	14 5/2
New Well Deepening Alteration (repair/recondition) Abandonm  (3) DRILL METHOD:	Subdivision
Person Air Con	- CARBY   VALTER 9717
Other	(10) STATIC WATER LEVEL:
(4) PROPOSED USE:	Artesian pressure Ih per sound in the
Thermal Training Industrial	(11) WATER BEARING ZONES:
(5) BORE HOLE CONSTRUCTION:	
Special Construction approval Ver William Daniel Co.	Depth at which water was first found
Amount Amount	From
Diameter From To Manual	72 Setimated Flow Rate St
12 0 39 Cast 0 39 20 5 Material	111 1119 3
8 38 220	177 218 300 GPa 4
How was seal placed: Method A B C ST	(12) WELL LOG:
Other	Ground Elevation
Backfill placed from ft. to ft. Material	
Gravel placed from ft. to ft. Size of gravel  (6) CASING/LINER:	Material From To SWI
Diameter From The A.C.	Clay Rayan
Casing: 8 1 1573 297 56 Plastic Welded Threader	Sent - Scoon 11
	Jay - Romer Sould 22 21
	2/ 45
Liner: 64 140 226 250 50 0 54	Chy Glas Sould The
	Sand + Colonel plan III
runii location of shoe(s)	Clay - GROY 148 1172
(7) PERFORATIONS/SCREENS:	05 Son 0 - 600 195 177 218
Manager The Control of the Control o	May Old GRAVE 444
From To Slot Toler Description	Cut - Blue 34184- 318 220 11
1/2 12/7 1/6 Dameter stice Casing Liner	6/8-
40 200 5418 100 69	
WELL TESTS: Minimum testing time is 1 hour	Date started 3 = 24-67
Pump Bailer Air Flowing	(unbonded) Water Well Constructor Certification:
Yield gal/min Drawdown Delli dense	I CONTINU there the sure it Y as
100 00 0 444 2 663	of this well is in compliance with Oregon water supply well construction standards.  Materials used and information reported above are true to the best of my knowledge and belief.
106 Ga 0 44 2 Mas	and center.
emperature of water 53 Depth Atterior Flow Found	Signed
as a water analysis done? Yes By whom	(bonded) Water Well Constructor Certification:
d any strata contain water not suitable for intended use?	accept responsibility for the construction, alteration, or shandsomest
Sally   Muddy   Oder   Col.	
epth of strata: 6 2-4.	to the my knowledge and belief.
•	
GINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECO	Data 5-10-9-

NOTICE TO WATER WELL CONTROL & E VE D The original and first copy of this report are to be filed with the	DECEIVER	-59	4	(
of this report are to be APR 20 19WATE WE	LL HAPORTR 28 1972 CLA	5.1	ン	0.1
STATE ENGINEER, SALEM, OREGON AND ENGINEED type within 30 days from the date SALEM. OREGON and of well completion.	OREGON- EN LA LA MARIE WELL N	.41	トコ	& d
within 30 days from the date DALEM OR	e or bring	- 1		
of well completion.	above this line)	No		
	:: TL	1101	•	<u></u>
(1) OWNER:	(10) LOCATION OF WELL:			
Name Leenard Werndahl	County Clackanas Dimers well	number		20
Address Rt. 2, Bex 325	NW SE Section 28 T	SIE		707 1
Canby, Oregon 97013	Bearing and distance from section or subdiv	<u></u>		W.1
(2) TYPE OF WORK (check):	stated and distance from section or sundiv	ision corn	er	
New Well Despening Reconditioning Abandon			10	-
If abandonment, describe material and procedure in Item 12.	(11) THE ADDRESS OF THE PARTY OF	- 1		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed	well.		
Determ F1 Pairwin	Depth at which water was first found	<u>57                                    </u>		
Cable 🖾 Jetted 🔲 Domestic 🖭 industrial 🗋 Municipal 🗍	Static level 20 _ft_ below land	surface.	Date 4	/13/
Dug 🛘 Bored 🗍   Irrigation 🖟 Test Well 🖟 Other 🔻	Artesian pressure			
CASING INSTALLED: Threaded Welded				
6 from 0 ft. to 73 ft. Gage 250	(12) WELL LOG: Diameter of well	below ca	sing	6
" Diam from ft. to ft. Gage	Depth drilled 83 ft. Depth of com		_	33 1
Diam. from ft. to ff. Gage	Formation: Describe color texture grain des	and descri		
The Gage				
PERFORATIONS: Perforated?   Yes   5-No.	with at least one entry for each change of form position of Static Water Level and indicate pr	otton Dam		
Type of perforator used			-27-08271	strat
Size of perforations In. by in.	MATERIAL	From	To	SWL
	Tan seil	0	2	
	Clay, tan	2	15	
46	Clay, blue	15	19	
perforations fromft. toft.	Sandy clay, brewn	19	39	
(7) SCREENS: Well screen installed?   Yes  No	Gravel, med.	39	44	
Manufacturer's Name	Clay, tan-	44	57	
TypeModel No	Gravel	57	61	26
Diam. Slot size Set from ft. to ft.	Clay, tan	61	79	
Diam. Slot size Set from ft. to ft.	Sand, brawn coarse	79	83	34
		-		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level		1		
Was a nump test made? I Yes   No If yes, by whom? Driller				1
rield: )) gal/min with 14 ft drawdown after hrs.				
Bailer test gal./min. with ft. drawdown after hrs.	and the state of t			
artesian flow g.p.m.	And the second s			
emperature of water 54 Depth artesian flow encountered	6/22			
	Work started 4/11 19 72 Complet			. 192
9) CONSTRUCTION:	Date well drilling machine moved off of well	4/1	4	19 7
Vell seal-Material used Rentanite	Drilling Machine Operator's Certification:			
Vell seeled from land analogs to	This well was constructed and			
	Materials used and information reported best knowledge and belief.	above a	re true	to my
Diameter of well bore to bottom of seal	Near WITH HALL HOW DOLLOI			
Diameter of well bore to bottom of seal	11 6 91-		<del>4</del> /18,	197
Diameter of well bore to bottom of seal	[Signed] C.D. W Estatus	Date		
Diameter of well bore to bottom of seal	[Signed]	Date	86	
Diameter of well bore to bottom of seal	[Signed]	Date	86	
Diameter of well bore to bottom of seal	[Signed]	Date	86	
Diameter of well bore to bottom of seal	[Signed]		86	
Diameter of well bore to bottom of seal	[Signed] (Orilling Machine Operator)  Drilling Machine Operator's License No.  Water Well Contractor's Certification:  This well was drilled under my jurisditude to the best of my knowledge and help		86	
Diameter of well bore to bottom of seal	[Signed]		86	
Diameter of well bore to bottom of seal	[Signed] (Orilling Machine Operator)  Drilling Machine Operator's License No.  Water Well Contractor's Certification:  This well was drilled under my jurisditure to the best of my knowledge and beling the Contractor of the contr	ction and	this re	port is
Diameter of well bore to bottom of seal	[Signed] (Orilling Machine Operator)  Drilling Machine Operator's License No.  Water Well Contractor's Certification:  This well was drilled under my jurisditure to the best of my knowledge and beling the Contractor of the contr	ction and	this re	port is
planeter of well bore to bottom of seal	[Signed]	ction and	this re	port is
planeter of well bore to bottom of seal	[Signed] (Orilling Machine Operator)  Drilling Machine Operator's License No.  Water Well Contractor's Certification:  This well was drilled under my jurisditure to the best of my knowledge and beling the Contractor of the contr	ction and ef.	this re	port is

Q- 1116 C-10tt in				
WATER WELL BEPORT Morel of well	RECEIVED	401	! !/=-	zel
STATE OF OREGON 10/17/	94 OCT 121983	<i>[2]</i> [		7
C1 12 1971 187 Can 19/11	State Permit No.	*		
CLAG (012074) PLEASE TYPE	NATER RESOURCES C. State Permit No.	4		
(1) OWNER:	(10) LOCATION OF WELL:	1000		
Name John T. Miller		- 1		
Address 1780 Tomlin Ave.	County Clackanus Driller's we			
City Woodburn StateOregen	Tax Lot # Lot Blk	R ]]	5 bdivisios	W.M
(2) TYPE OF WORK (check):	Address at well location:		AHVISIO	<u>.                                    </u>
New Well				
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed v	vell.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 5			
		land surface	. Data	9/6/83
Rotary Mud   Dug   Irrigation   Test Well   Other	Andreas	er square in		7
■ Bored □ Thermal: Withdrawal □ Reinjection □	(12) WELL LOG: Diameter of well below	casing		
(5) CASING INSTALLED: Steel _ E Plastic	Depth drilled 100 ft. Depth of	completed	well -	100 <sub>fi.</sub>
Threaded Welded D	Formation: Describe color, texture, grain size and str thickness and nature of each stratum and aquifer pene	ucture of n	ateriak	; and show
"Diam from	I we cause clienting of formacion, Report each change in	position of	ı at leas Static V	t one entry Vater Level
LINER INSTALLED:	and indicate principal water-bearing strata.			
<u>-</u> .	MATERIAL	From	To	SWL
"Diam. from	Seil	0	3	
(6) PERFORATIONS: Perforated?   ☐ Yes □ No  Type of perforator used   Millknife	Brown clay	3	23	
Size of	Brewn sandy clay Cement Gravel	23	28	
in. by 5 in.	Sandy clay with gravel	28	35	241
perforations from	Cement grave	35	56	35
perforations from	Gravel with water	56	73	41
	Brewn clay	73 79	79	7/
(7) SCREENS: Well screen installed?	Sand	83	83 91	41
Type	Brown alay		90	
Diam. Slot Size Set from it. to ft.		7-		
Diam. Slot Size Set from ft. to ft.		<b> </b>		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level			$\longrightarrow$	
			$\rightarrow$	
a pump test made?  Yes No If yes, by whom?				
gal/min with ft drawdown after hra				
Air test gal/min. with drill stem at ft. hrs.				
Bailer test 50 gal/min. with 35 ft. drawdown after 1 hrs.				
esian flow g.p.m.				
Depth artesian flow encountared ft.	Work started Oct 3 1983 Complete			
(9) CONSTRUCTION: Special standards: Yes \( \text{No} \( \text{No} \)	Work started OCT 3 1983 Complete Date well drilling machine moved off of well	d Oot	<u>6</u>	1983
Well seal—Material used Cenent	(unbonded) Water Well Constructor Certific			19
Well sealed from land surface to	This well was constructed under your direct or			
Diameter of well bore to bottom of seal	my be are true to my be	est knowle	idge an	d belief
Diameter of well bore below sealin_  Number of sacks of cement used in well seal19	[Signed]	Date		, 19
How was cement grout placed? Pumped	Bonded Water Well Constructor Certification	on:		
Pares bearing with the second	Bond 464537 Issued by: Safco	Ins.	Co.	
	This well was drilled under my invication	tv Comnouv No	-	- 4 - 1
Was pump installed?		mana WIES I	SPURT 1	∍ urue to
Was a drive shoe used? ☐ Yes ☑ No Plugs Size: location ft	NameJohn T. Willer (Person, firm or corporation)		Type or	·
Did any strata contain unusable water?	Address 1780 Tealin Woodburn,	.QraΩ:	7. <b>0.7</b> .1	Parameri .
Type of Water? depth of strata  Method of sealing strata off	[Signed]			
Was well gravel packed? ☐ Yes ☐ No Size of gravel:	Water Well Constructe			
Gravel placed fromft. toft.	DateOct		,	19.83

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report
are to be filed with the

WATER RESOURCES DEPARTMENT, SALIM, ORBGON 97310 within 30 days from the date of well completion.

SP\*45292-690

CLHC 52842 WELL I.D.# 115073

STATE OF OREGON \*WATER SUPPLY WELL REPORT (as required by ORS 537.765)

Page 1/2 (START CARD) # 104210

Instructions	for completing this r	eport are on	the last 1	page of this fo	Drint.	T	· · · · · · · · · · · · · · · · · · ·			
(1) OWNER:		W	/ell Num	ber		(9) LOCATION OF W	ELL by legal desc	ription:		
Name JOHN	ATHAN YU			*		CountyCLACKAMAS		-	ongitude	
Address 294	53 S. HWY 17	0				Township 4S	N or S Range	1 E	E or	W. WM
City CANB	Y	State 01	R	Zip 9	7013	Section 34	SW1/4		1/4	
(2) TYPE OF						Tax Lot 1090 Lot			Subdivision	
• •	Deepening Alter	ation (repair/s	reconditio	on) [ Aband	onment	Street Address of Well (d				
(3) DRILL M						100		- TIMINI		
	Rotary Mud X	A Cable	Auge	r		(10) STATIC WATER	EVEL:			
Other							land surface.		Date 10-	25 07
(4) PROPOS	ED USE:					Artesian pressure	lb. per squa		Date	7 1-97
Domestic		Industrial	IMIr	rigation		(11) WATER BEARING				
Thermal	_	Livestock		_						
	OLE CONSTRUC					Depth at which water was fir	est found 17			
	ction approval [ Yes		h of Com	pieted Weil '	378 ft.					
	Yes XXNo Ty			nount		From	То	Estimate	d Flow Rate	SWL
HOLE		SEAL				ALL SAND & GRAV				
Diameter From			To	Sacks or poo	ndr.	AUG SAILE IN GRA	CEL FURMALI	AND DELL	UW THE	SWL.
16 0	35 BENT	10	1 T	69_SACKS					EVE	WED
12 35				20 SACKS				5 3		
-14-1-31	CEMEN		$\overline{}$	8 SACKS	·			1	DEC - 2	1007
	Large P. N.	100	444	. تىلىنى		(10) 1000 7 7 0 0			- CL - Z	
How was seal pi	laced: Method		R F	C D	□В	(12) WELL LOG:		WATE	8 RESOI	RCES DE
	BENTONTTE PO			- UD	سا 13	Ground El	EVALUOR		ALEM, O	
	from <u>55</u> fr. to_			I BENT		Material		From		
-	com 200 ft. to			gravel 10-	20. 8	8-12		Pion	To	SWL
(6) CASING		3/0	Size Ui	Risaci TII-	-ZU &	TOP SOIL	····		+	
		O Ohard	We allo	1000000 00	M			10		
Diamete		Gauge Steel	Plastic		hreaded	CLAY BROWN	APP	12	17	
Casing: 8				<b>1</b>		CLAY BROWN SANT		17	32	
8_	279 290			<u>, D</u>		CLAY W/GRAVEL W		32	+	
8_	2951 302	_25 <b>0 DX</b>		垃		STICKY BRN CLAY		<del></del>	55	
	317 345					CLAY BRN SANDY		55	59	53
XXXX8_	3481 357			10i		GRAVEL W/CLAY		59	76	
8		_250 DX	ш	XX		CLAY TAN	<del> </del>	76	91	
Final location of		6.				CLAY GREY		91	103	
• •	ATIONS/SCREEN	13:				SANDY BRN CLAY		103	105	
Perforatio				0.00000		GRAVEL WITH CLA	Υ	105	109	
<b>XX</b> Screens	Type <u>V-W</u> Slot		Mate Tele/pip	rial <u>SS</u>		CLAY GREY		109	114	
From To	, size , Number	Diameter	size	Casing	Liner	GRAVEL W/CLAY G		114	157	
268 279		8	p/s	_ ∐		GRAVEL & SAND G		157	161	
290 29		8	p/s_	_ 📙		CLAY GREY SANDY		161	166	
302 31		8	p/s_	_ ∐		SAND GREY MED		166	170	
345 348		8	b\a	_ 🖺		GRAVEL CEMENTED		170	179	
357 <del>3</del> 368	8 .025	8	p/s	_ ⊔		CLAY GREY STICK		179	268	
(A) TYPE						SAND SMALL GRAV	EL GREY	268	279	
(8) WELLTE	STS: Minimum to	esting time i	s 1 hou	Г		Date stanted 8-22-97	Comp		25-97	
-	<b>—</b>			_ Flowin		(unbonded) Water Well Con				
<b>XX</b> Pump	Bailer	☐ Air		Artesi	150	I certify that the work I pe of this well is in compliance	rionned on the cons	truction, alter	ration, or aba	ndonment
Yield gal/min	Drawdown	Drill sten	n at	Th		Materials used and information	on reported above at	e true to the b	ristiuction st test of my kr	munitar. powiedge
150	67	<del> </del>		XIX	hr.	and belief.	-		•	•
250	90	ļ		13				WWC Nu	mber	<del></del>
280	107	L		17_		Signed			Date	
Temperature of v	water <u>55</u>	Depth Artesia	n Flow F	ound		(bonded) Water Well Const				<del></del>
Was a water anal	lysis done? 🔲 Y	es By whom				I accept responsibility for	the construction, also	eration, or ab	andonment v	roak
-	ontain water not suitab		d use?	Too liul	e	performed on this well during performed during this time is	in compliance with	Oregon water	r mresky wall	
Salty Mu	addy Odor O	Colored	Other _	····		construction standards. This	report is truth to the I	est of my kn	owledge and	belief.
Depth of strata:							~ V/ .		mber <u>688</u>	
						Signed Signed	1. Shade	le!	Date 11	-7-97
ORIGINAL &	FIRST COPY-WAT	ER RESOU	RCES I	EPARTME	NT SE	COND COPY-CONSTRUC	TOR THIRD	COPY-CUS	TOMER	

## STATE OF OREGON WATER SUPPLY WELL REPORT (ou required by ORS 537.765)



# WELL I.D.# <u>L15073</u> 1000

PAGE 2

	oy ORS 537.765) or completing this	report are or	the loc	P.	AGE 2		(START CARD) #	10421	0	
(1) OWNER:					633	(0) 100 -				
Name JOHNA	THAN VII		AACTI 14II	mber			WELL by legal des	cription:		
Address 29453	S. HWY 170	)				County CLACK	MAS Latitude	L	ongitude_	
			D	7:-	0701	_ lownship 4S	N or S Range	1 R	Eo	r W. WM.
(2) TYPE OF	WORK	State ()		<u> </u>	9701	2   Section 34 (O	00 SW 1/4	MT.7	1/4	
	Deepening Alb	ention (renair)	hecondi	tion\ \ \ Abov	۔۔۔۔۔انہ	18x Tot = 100()	Lot Block	:	Subdivision	1
(3) DRILL ME	THOD:	orange (repen)	ACCORD.	HOID) ADE	- Incimica	Street Address of We	ill (or nearest address)	SAME		
	☐Rotary Mud X	IX Cable	Aug	and the same		(10) CTATICALLA				- 10
Other		WAL		şu.		(10) STATIC WATE				
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Diameter	From To	Gauge Steel	Plastic	Welded 7	Threaded	SAND & GRAVEL		279	291	<del> </del>
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(7) PERFORAT	IONS/SCREEN	S:				CLAY GREY BROW	RCTP.II	346	348	<b> </b>
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Screens	Туре		Mate	rial		CLAY GREY BRN		358	367	<b> </b>
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				110	<u></u>				o on they accom	- wasungs
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imperature of water		pth Artesian I	Jose E.	und		Signed		D	ale	_
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id any strata contain	_		0			I accept responsibility for	the construction, altern	ion, or aband	donment we	ork
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epth of strate:		olored O	ther			construction standards. This	report is true of the best	of my know	appry well	pelief
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DIODIALO						Signed / June	א או אי		ate 11-7	
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							CO	r 1-CO310	wiek	

# WATER WELL REPORT 9236 OWNED

## MACTIAED

AUG 13 1992

(START CARD) #

(1) OWNER: Well Number SALE	M OF ESCATION	OF WELL by leg	al description	TL	1600
Name KOWALD ARRACK	County CLAC	KAMPAT	Longit	li .da	150
Address 7.9788 S. JACKSON		N.or.S. Range	1/E	100	
City CANBY State OR Zip 97013	Section 34		4 NE	E or	W. W
(2) TYPE OF WORK;	Tax Lot /600°	0m ( K" A )			
New Weil Deepen Recondition Abandon				division_	
(3) DRILL METHOD:	Succi Address of	Well (or nearest address	) AME		
Rotary Air Rotary Mud Cable	(40) CT 4 T 4				
Other	(10) STATIC WAY	IER LEVEL:			
(4) PROPOSED USE:		below land surface.	. Di	atc AL	16
	Artesian pressure	lb, per s	quare inch. D	ate	
	(11) WATER BEA	RING ZONES:			
☐ Thermal ☐ Injection ☐ Other	<u>.</u>				
(5) BORE HOLE CONSTRUCTION:	Depth at which water	was first found	2		
Special Construction approval _ Yes  No Depth of Completed Well 230 h					
Explosives used Yes No Type Amount	From	To	Estimated FI	OW Pote	S
HOLE SEAL Amount	68	80		OW RAIL	
Diameter From To Material From To   sacks are seconds	100	110	<del></del>		4
10 1 20 GRANUISE BENTONTE 14	125		<del>                                      </del>	<u>=</u>	9
6 25 230	222	225	<del> </del>		9
.`			<u></u>		9
	. (12) WELL LOG:	3			
Iow was seal placed: Method A A B C D E	-	· Ground eleva	tion		
	·	Material	From	To	SV
Backfill placed from ft. to ft. Material	Soil		1	3	
Gravel placed from ft. to ft. Size of gravel	CLAY BR	end	3	20	+
6) CASING/LINER:	CLAY GRA		20	33	+
Diameter From To Gauge Steel Plastic Welded Threaded	CEMPUTE		33		<del>,   -</del>
Casing: 6 0 229 .25 P	CLAY GRE	V	114		
		ch			
	CEMENTED	GRAVEL	120		
	CLAY GREY	JORANOE C	128		=
iner:	COAY (MERC)		152	175	1_
	CAT GREY	(EMENTE)	Juc 175		
inal location of shoe(s) 229	CLAY GREY		193	202	
7) PERFORATIONS/SCREENS:	CEMENTES	GRAVEL	202	204	
Perforations Method Device Daniel Size	CLAY GRE		200	215	
		GREY	215	222	
Screens Type Material	SOND Co	PAH GRAVE		224	_
Slot Tele/pipe From To size Number Diameter size Cooker Viscon	CLAY KRE	/	224		<del>                                     </del>
			127	220	<del> </del>
221 226 3/16 × 12 B				<del>                                     </del>	+
15 191 3/16 12 1				<del> </del>	
32 152 3/1/x 1/2			<del></del>		<del>  -</del>
01 110 3/6×18/0 G			<del></del>	<del>                                     </del>	-
				ļ	<b>—</b>
O DUELL TECHS, Mini-		<del></del>			
WELL TESTS: Minimum testing time is 1 hour		Tied it			
Pump Bailer # Air Flowing	Date started 29 4	Com	pleted	1116	97
Pump    Bailer	(unbonded) Water Well	Constructor Certifica	tion:		
Yield gal/min Drawdown Drill stem at Time	I certify that the wor	k I performed on the c	onstruction alter-	tion, or	abando
		TOTISTICS MILL ( )W-040 PP	eli constantion		
30 (30 4hr.	used and information rep	orted above are true to	my best knowled	ge and be	lief.
	Signed		WWC N	mber	
			Date		
emperature of Water	(bonded) Water Well Co	nstructor Certification	1:		
as a water analysis done? Yes By whom	formed on this well during	for the construction, al	teration, or abando	nment w	ork pe
		liance with Oracon well			
				carrie Thi	IS renc
d any strata contain water not suitable for intended use?   Too little		mowledge and belief.	CONSTRUCTION SIMIN	. 1 III	
	is true to the best of my i	mowledge and belief.		umber	_

## Additional Well Logs Not Showing Multiple Water Levels

CLAC 50734

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as represed by ORS 537.765)

#### RECEIVED

JUL 1 8 1996

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START CARD) #

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(I) OWN							ANEW OPPOSI					
Name	Vasily I			Well No	wher		TO LOCATION OF V	VELL by level desc	rintion:			
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(Z) TYPE	OFWOR	<b>.</b>					2000	·	38	1/4		
Now We	dl Desper	ing 🗀 Als	eration (repai	chroundi	dion)[ Aba	-4	Shows Address of The H	* Block		Subdivicio		
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Rotacy	Lie Ron	aru Mari	E-Kraba	Au			Stude No	30799 \$ 3	STOW	e RD		
Other		y		Cyrul	-		(10) STATIC WATER	LEVEL				
	OSED USE					Th offering	SB n. below	w land surface.		Date	June 23	
							Artesian pressure	N server			Tune 25	
Domesti	c Com	munity			inigaries		(II) WATER BEARIN	C ZONES.	o micse.	Date		
Thomas		raios.	Livestock		Other			d Mortes:				
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-8	30 204			100		SECKE			1.0			
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	il placed:	Macanog	∟. ^لي.	ib [	]C []D	□E		levation	•			
L.1 Other,	Granular	Benton:	te setho	- 10								
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Citavel place	d Croix	Ď. 10	A.	Size of	gravel	17.0	Soil		From	To	SW1.	
(6) CASIN	GALINER:						. Clay, Brown		1	3		
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_	ייי ו	204				Brended	Clay, Grey		33	44		
Curing:					र्ख		Cemented Grave	1, Brown	44	58		
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						0000	Gravel, black	Cand			<b>-</b>	
				Ē	$\overline{}$	<b>F</b>	Clay, yellow	acis,	45	76		
Lines: -		$\Gamma$		Ö	<b>=</b>	2	Class Alexander		76	78		
				H			Clay, blue		78	87		
Continue in	of shoo(s)	204		لبا			Clay, grey, sil	бу	87	93		
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	0 1.7.64	930			_ [		Clay, green, sa	ndy	169	183		
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STATE OF OREGON

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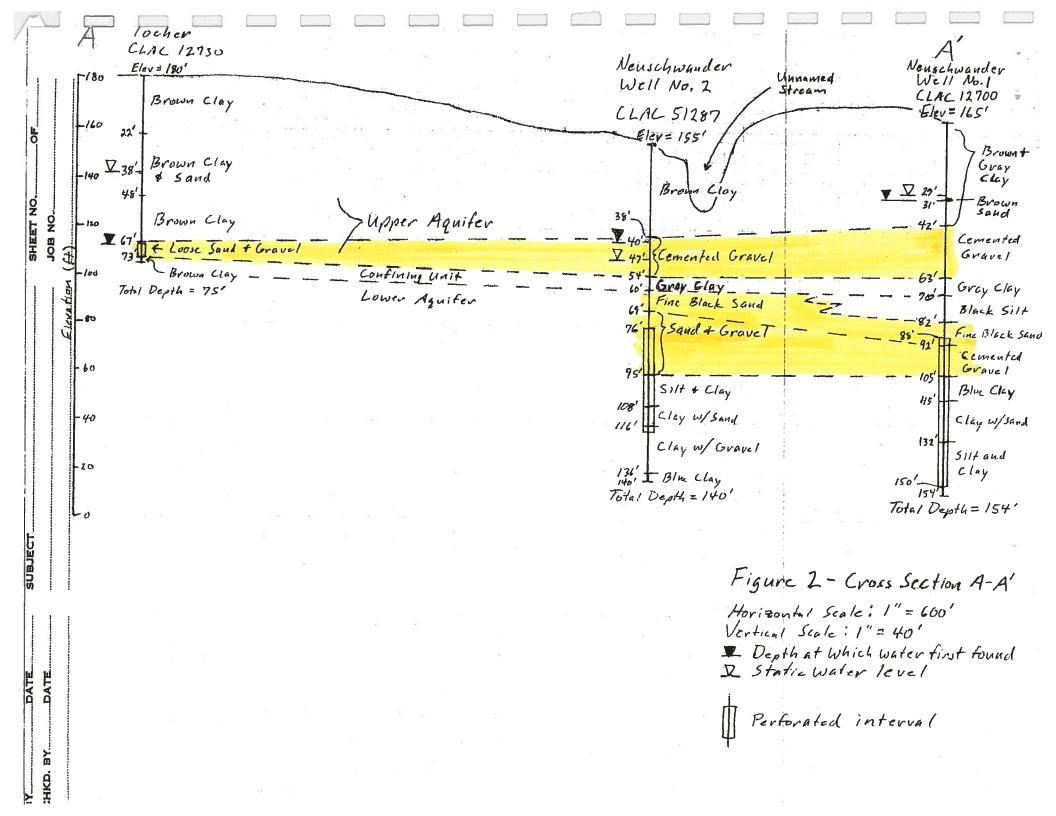
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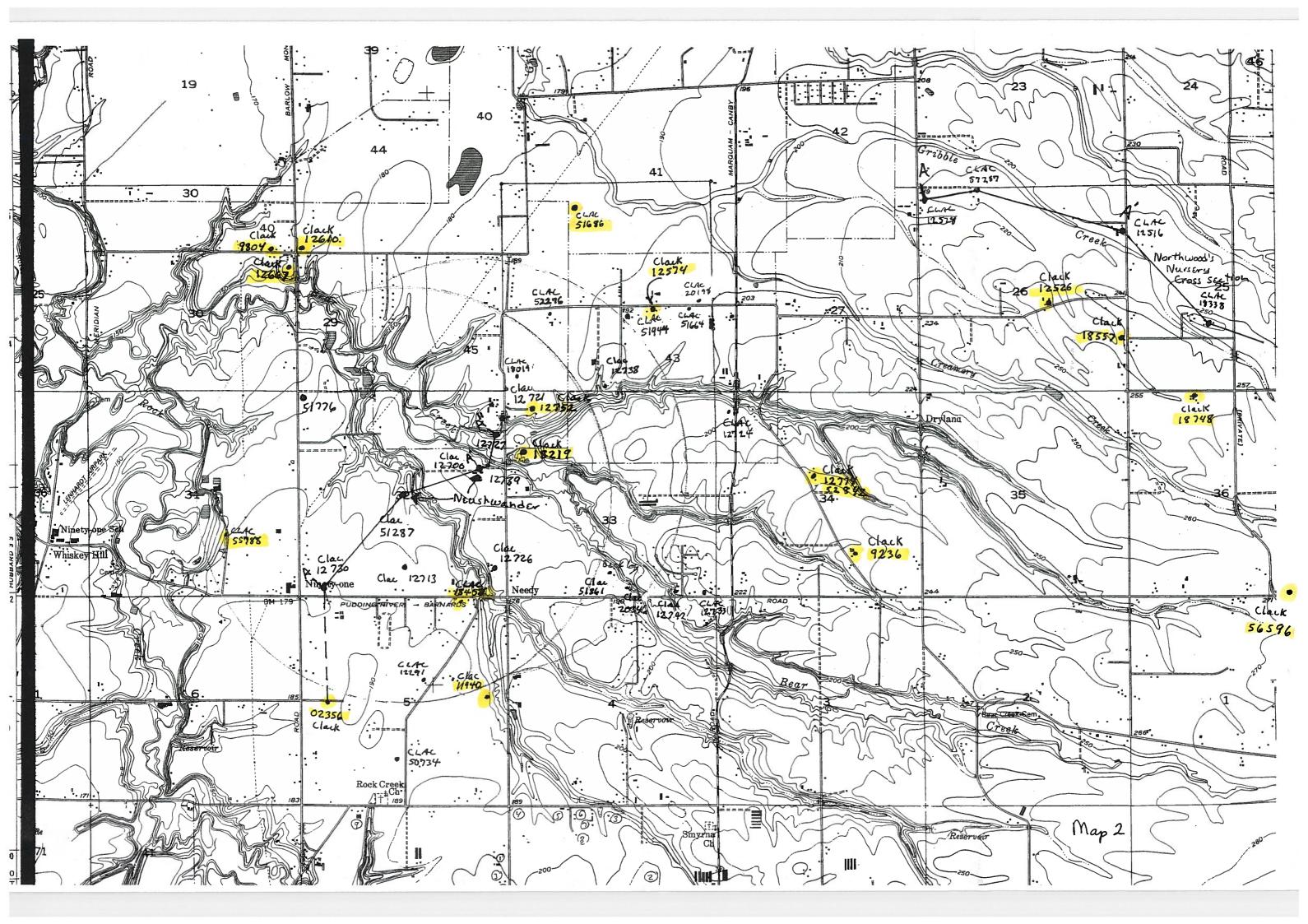
WATER WELL REPORT

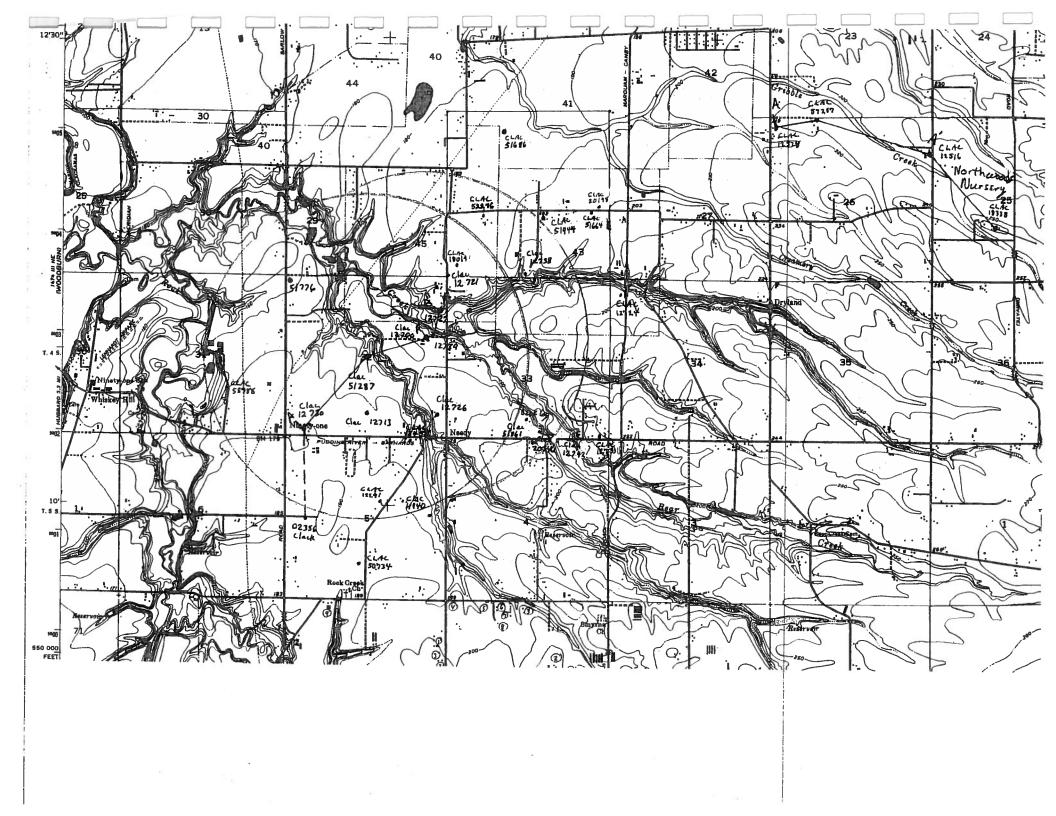
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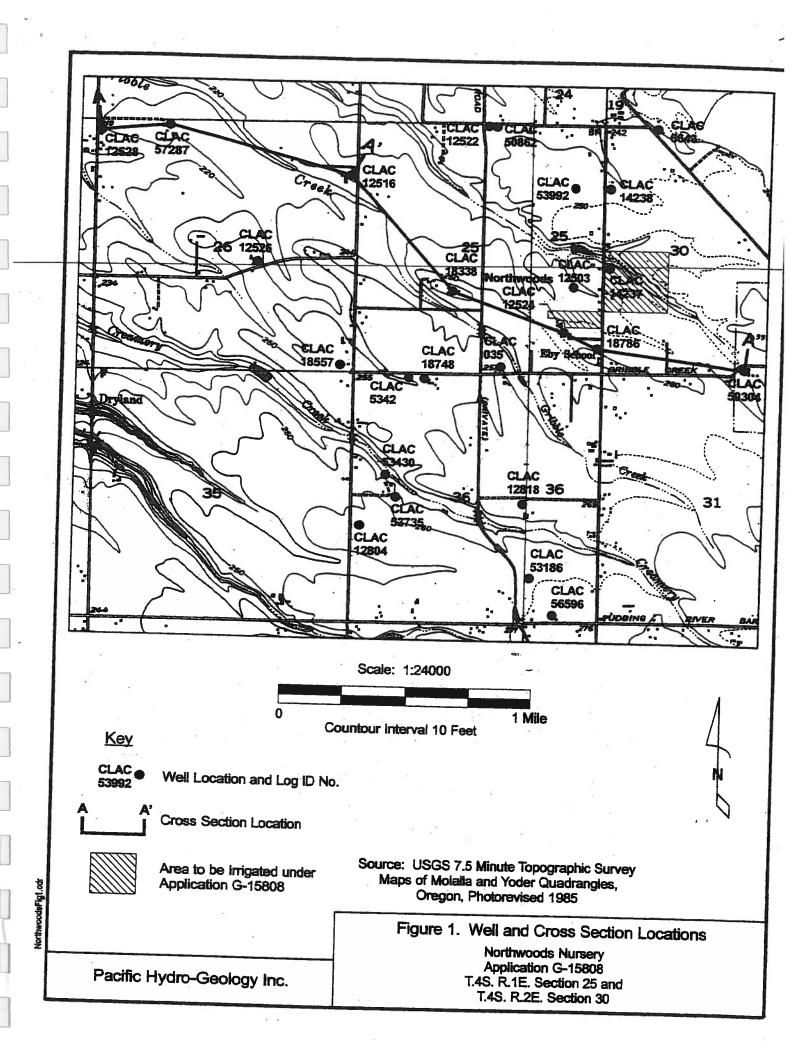
	indu by Orto 30	1.100)				(START CARD)	(89	58	
(1) OWN		Previtt	Wel	l Number:	6	(9) LOCATION OF WELL by lega	descri	iption:	
Address 30	#13 6	STUWP			<del></del>	County Cocke mag at itude	Longi	itarle	
City Can				re Zip	97013	Township 59 Nor S, Range 1 E		Earl	W. WM
The second secon	E OF WOR	r.			21013	= Section <u>5</u> A	16.		
New Well	Deepen	Recondit	. <u>.</u>	<b>-</b>		Tax Last 9101 Lot 1901 Black	S	ubdivision.	
	L METHO		lon .	Abandon		Street Address of Well (or nearest address) 30	4/3	<u> 572</u>	KWE
Rotary Air						Rd. Canty Ore			
Other		wing for ( St	MP .		•	(10) STATIC WATER LEVEL:			
	POSED US	₽!•				= £3 ft. below land surface.	De	te <u> 9</u> -	7-91
Domestic		ity 🔲 Industria	The .	İrrigatinn		Artesian pressure lb. per square in		te	
☐ Thermal	☐ Injection	Other _		i Tigat iruz		(11) WATER BEARING ZONES:			
(5) BORE		NSTRUCTI				Depth at which water was first found 126			
	ctina approval			rupicted Well.	190				
Possil to 1						126 131	timated Fl		SWL
Explosives used		ype	Апия	unt		15H 156	10		63
HOLI Diameter Fro	E To	SEAL	_	A	mount	194 102	2.5		63
10+ 0	Z3 CP	nent		To meks	or pounds		100	7	6.5
6 99	3 190				30017	(12) WELL LOG-			<del>-</del>
						Ground elevation			
						Material 10P	From		SWL
How was seal pla	red: Method :	] A   B   D	c 🗆 1	DE		Brown Silty Clay	10	13	
Other 12	92			_		Kight Brown Clay (gticks	3	36	
Backful placed in	190	1 0 ft 3	laterial C	EMCAI	<u> </u>	Bork Brown gande Class	76 48		-
		160 n. s	ize of grave	3/0 To	24	Brown Sand Course	74		
(6) CASIN	•				·	Brown Clay	88		-
Caring 6	ter From	60 256 A			Threaded	Aray Clay	96	104	
Carus						Black Silt	104		
						Fine Wack Sand	108		
						Sand & Aravel (water)	126	131	67
Liner: 6 0 0	7 158 1	89 188 1				Sight Blue Clip Turning to know	131	154	
				ō		Black gand Course	154	156	63
Final location of a	ime(s)	790				of sand			
(7) PERFC		SCREENS:				Course cand demand and	156		( 7
Perforat	ions Met	hand Forch	f 5 tag	z Drive	e do cure	Areen gandstone		180	63
☐ Screens	Тур		Mater	ial		Light Blue Clay	185	185	
From M.	Slot		Tele/pipe				100	150	
From To	size Nur	nber Diameter	size	Casing	Liner		1		
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165 185	7×6 7				□ <b>⊠</b>				
	0								
					ñ	Date started 8-22-91 Completed	<u> 7 - 7 -</u>	91	
(8) WELL 1	TESTS: Min	imum testing	time is	1 hour		(unbonded) Water Well Constructor Certificat	ion:	(4)	
Pump	☐ Bailer	D Air		Flowing		I certify that the work I performed on the or		on, altera	tion, or
Yield gal/min	Drawdown	56.586		☐ Artesian	·	abandonment of this well is in compliance with standards. Materials used and information reported	Dregon w	reil const	ruction
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							ate		
T	29					(bonded) Water Well Constructor Certification	;		
Temperature of water Was a water analysis			esian Flow	Found		I accept responsibility for the construction alt	aration -	or abando	nment
					<del></del>	work performed on this well during the construction work performed during this time is in compli	ance wit	h Oreen	n mall
Did any strata conta	un water not suit:	ible for intended use	? Цто	o little	1	construction standards. This report is true to the h	st of my	knowled	ze and
Depth of strain:	» ⊢ ∩gor ⊔	Colored L. Other	· ———			W W	WC Num	ber 44	
ORIGINAL & FIRS	T COPY . WAR	TD DECOME	-				te <u>9-</u>	7 - 91	
	- COLI - WATE	on resources D	SPARTM	ENT	SECONI	COPY CONSTRUCTOR THURD COPY - CUS	OMER	900	9C 3/88

#### Northwoods Nursery Information









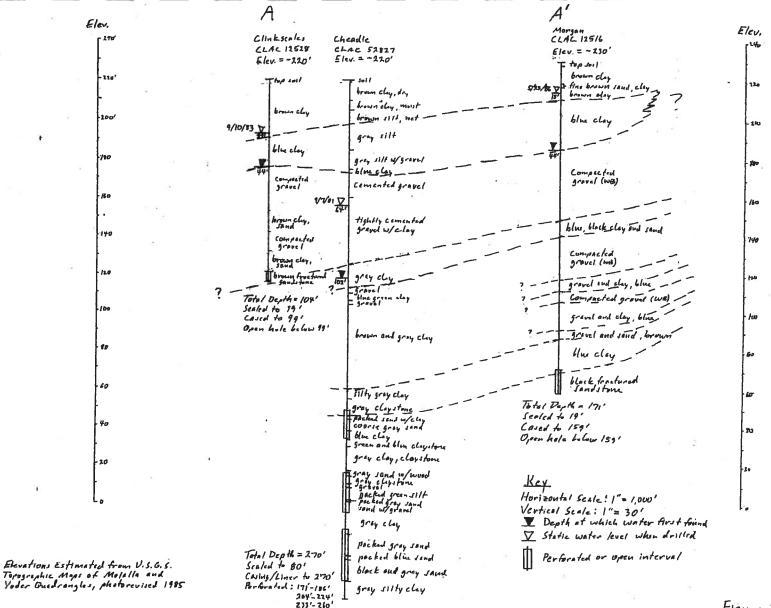
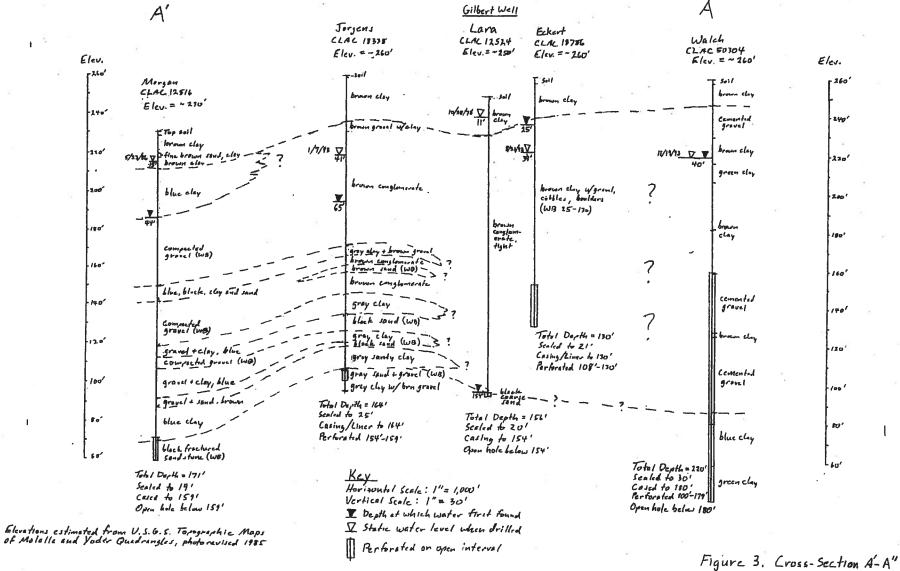


Figure 2. Cross-Section A-A'



#### Pacific Hydro-Geology Inc.

18477 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016

February 5, 2003

Jim Gilbert Northwoods Nursery <del>28696 South Cramer Road</del> Molalla, Oregon 97038

Re: Water Right Application G-15808

Dear Mr. Gilbert:

On January 27, 2003, Pacific Hydro-Geology Inc. (PHG) was retained by Churchill, Leonard, Lodine and Hendrie, LLP, on behalf of Northwoods Nursery, to perform a hydrogeologic assessment related to an application for ground water rights (Application G-15808). The purpose of this assessment was to evaluate the potential hydraulic connection between the proposed point of appropriation for water right Application G-15808 (Northwoods Well, CLAC 12524) and nearby surface water sources. The application was given an unfavorable preliminary analysis by the Oregon Water Resources Department (OWRD) because of alleged hydraulic connection with nearby surface water sources (Molalla River and tributaries), and the determination of the potential for substantial interference with those surface water sources in accordance with OAR 690-09. However, as a result of recent policy changes within OWRD, this application and others are undergoing a re-review. The purpose of this letter is to provide additional information that the OWRD may use in their re-review of Application G-15808.

#### Scope of This Evaluation

Available water well reports filed with the OWRD and the most recently published report on the geology and/or hydrogeology of the area of concern were used for our evaluation of the hydrogeology in the vicinity of the subject property. The water right application is for irrigated land located in two adjacent sections: Township 4 South, Range 1 East, Section 25 and Township 4 South, Range 2 East, Section 30. The area included in this assessment, hereafter referred to as the Study Area, includes Sections 25, 26, and 36 of Township 4 South, Range 1 East, and Sections 30 and 31 of Township 4 South, Range 2 East. The general study area is shown on Figure 1.

All Water Well Reports on file on OWRD's web site (GRID web) for the sections included in the Study Area were reviewed to gain a general understanding of the geology in the Study Area. All Water Well Reports for wells that could be readily located (i.e., those that had specific addresses or tax lots recorded on the logs) were downloaded and located as accurately as possible on tax lot maps. In most cases, the locations of the wells within the corresponding tax lots could only be estimated. The locations of the wells were projected on the U.S.G.S. topographic maps for estimating ground surface elevations (Figure 1). Two geologic cross sections, A-A' and A'-A" were

prepared to illustrate the stratigraphy along a line extending approximately NW-SE through the Northwoods Well. The locations of these cross sections are also shown on Figure 1. Cross Section A-A' is shown on Figure 2. Cross Section A'-A" is shown on Figure 3. All of the logs used for the cross-sections are provided in Attachment A. All other logs for wells shown on Figure 1 are provided in Attachment B.

#### Geographic Setting

The land surface within the Study Area is relatively flat and slopes gently to the west-northwest. The Study Area is incised by several shallow streams which are tributary to the Molalla River. The nearest of these streams to the Northwoods Well are Gribble Creek and an unnamed stream. As shown on the U.S.G.S. topographic map (see Figure 1), these streams begin a short distance (less than a mile) east of the proposed point of appropriation, and flow west-northwestward several miles to their confluence with the Molalla River. These and other streams in the area are shown on the U.S.G.S. map to be intermittent for some distance along their headwaters, becoming perennial more than ½ mile west from the Northwoods Well. The applicant has reported that these streams typically go dry during the summer months. (Note: Historically, in cases where the potential for substantial interference with surface water has been established, the OWRD has granted ground water rights for the period when the affected surface water source was not flowing).

#### Geology and Hydrogeology in the Study Area

#### Regional Geology

The regional geology in the vicinity of the Study Area has been mapped and described in several reports. Probably the most recent and authoritative of these is U.S. Geological Survey Professional Paper 1620 (*Origin, Extent, and Thickness of Quaternary Geologic Units in the Willamette Valley, Oregon*, prepared by the U.S.G.S. Geological Survey in cooperation with the Oregon Water Resources Department, Reston Virginia, 2001). According to this report, the Quaternary alluvium underlying the Study Area is comprised primarily of alluvial deposits of the Troutdale Formation. Regionally, the Troutdale Formation consists of subhorizontal beds of sand, gravel, sandstone, conglomerate, siltstone, and mudstone. These deposits are known to reach thicknesses of up to 500 feet near the Study Area. The Troutdale Formation as mapped in the Study Area is considered to be equivalent to the weathered terrace gravels that are mapped to the southwest of the Study Area.

One distinctive characteristic of both the Troutdale Formation and the weathered terrace gravels is extensive weathering of the uppermost 10 to 20 feet, resulting in red, clay-rich soils. Regionally, the weathered terrace gravels are not considered to be an important regional source of ground water. However, in the area surrounding and southwest of the Study Area, aquifers within the Troutdale Formation are known to produce large quantities of water. To the west of the Study Area, the deposits of the Troutdale Formation are overlain by fine-grained (stratified silt and clay with minor sand) Missoula Flood Deposits. These deposits may reach over 100 feet in thickness in the central portion of the Willamette Valley but become thinner at the basin margins.

#### Geology of the Study Area

Most of the wells in the study area, including the Northwoods Well, are constructed to obtain water primarily from aquifers encountered at depths within 200 feet of the ground surface (Figures 2 and 3). Therefore, this discussion focuses mainly on the site geology encountered at depths up to about 200 feet. The general picture that emerges from a review of the well logs is that of a fairly consistent sequence of sedimentary deposits described as follows (from the ground surface downward):

- A layer of top soil and brown clay with thickness ranging from about 15 to 25
  feet. This brown clay may either correspond to the weathered upper horizon of
  the terrace gravels, as described above, or a more easterly extent of the finegrained Missoula Flood deposits than currently mapped for the area.
- A layer of blue clay ranging in thickness from less than 10 feet to more than 20 feet.
- A gravel zone with a thickness ranging from about 30 to 60 feet and described typically as "cemented gravel", "compacted gravel", or "conglomerate;"
- A layer of gray or blue clay and/or silt which us usually between 5 and 15 feet thick;
- A sequence of cemented or compacted gravel layers interbedded with thinner layers of clay, silt, and sand. This sequence typically extends to a depth of about 150 feet;
- A sequence of black or gray sand layers interbedded with layers of gray or blue silt, clay, or claystone that appears to extend to depths of 200 feet or more. Many of the wells drilled in the Study Area, including the Northwoods Well, obtain water from a productive black sand layer that lies at the top of this sequence (see Figures 2 and 3).

While not all of the logs in the Study Area reflect this pattern, the overall picture seems to be supported by the majority of the logs.

#### Hydrogeology of the Study Area

As reported in well logs from the Study Area, ground water has been encountered within all of the sand or gravel deposits described above. A small number of shallow wells obtain water from the cemented gravel deposits underlying the upper clay layers. However, most of the wells in the Study Area obtain water from productive sand deposits encountered beneath the clays and cemented at depths of 150 feet or more. This suggests that, in general, quantities of water considered usable for domestic or irrigation purposes are not encountered within the upper 150 feet of the alluvial deposits. In any case, it is expected that the direction of groundwater flow within continuous water bearing zones is to the northwest, consistent with the topography. As shown in the cross sections on Figures 2 and 3, the stratigraphy also appears to be dipping gently to the northwest.

## Potential Hydraulic Connection Between Northwoods Well and Nearby Streams

Estimates of the down-gradient locations at which ground water encountered in the Northwoods Well may intercept the streams may be made considering elevation relationships between the water bearing units and the surface topography. Starting with the first cemented gravel unit that is confined by the overlying brown and blue clays (as shown in wells CLAC 12516, 57287, and 12528 located down-gradient from the Northwoods Well, Figure 3), ground water in this unit is estimated to intercept the shallow streams at a distance of about 3 miles west-northwest of the Northwoods Well (assuming the top of the confined aquifer is at an elevation of about 180 feet). This is likely a conservative estimate, because the stratigraphy is dipping slightly to the westnorthwest, which would move the point of interception with the stream farther to the west-northwest. Ground water flowing in deeper, water-bearing units would intercept the stream at even greater distances from the Northwoods Well. Based on this evidence, it appears that even if there were continuous, water-bearing zones within the shallower, cemented gravels between the Northwoods Well and the nearby streams, the distance between the well and the point of interception on the streams should be so great that any potential hydraulic connection would be unimportant.

Furthermore, because of the way the Northwoods Well is constructed, there should be very little ground water, if any, entering the open bottom of the well from shallower, overlying deposits. This is because the casing in the Northwoods Well extends to within 2 feet of the well bottom, and for the entire depth below the well seal the casing is the same diameter as the borehole. We understand that the OWRD does not recognize natural clay seals, but it is not unreasonable to assume that the clay layers penetrated by the casing will at least serve to significantly restrict the downward flow of any ground water that may be present in overlying water-bearing deposits. This assumption, coupled with the evidence of very limited water supplies in the overlying cemented gravels, suggests that any contribution of ground water to the well from these overlying deposits should be negligible.

#### Conclusions

Our understanding of the hydrogeology of the Study Area is based on information provided in published literature and a study of site-specific conditions as reported in well logs. Based on this information, it appears that the geology of the Study Area is comprised of alluvial deposits consisting of alternating layers of clay and cemented gravel having limited water-bearing properties to depths of about 150 feet. Below these clay and cemented gravel layers are alternating layers of clay and productive sand from which most of the area wells obtain water. The shallower, cemented gravels are separated from each other and from the ground surface by apparent continuous layers of clay. These clay layers serve as confining, or semi-confining units which limit the vertical movement of ground water.

As with most wells in the area, ground water from the Northwoods Well is produced from a confined aquifer. The Northwoods Well is located more than ½ mile from the point where the nearby streams reportedly flow perennially. It appears unlikely that any significant amount of water enters the Northwoods Well from water bearing zones above the open well bottom. Furthermore, even if the well obtained water from the shallowest

cemented gravel deposits, the distance between the well and the point where that shallow ground water intercepts the nearby streams would be more than 3 miles. The findings from this evaluation indicate that there are several factors indicating that the potential for a hydraulic connection between the Northwoods Well and the nearby surface water sources is so low as to be negligible.

Please call me at (503) 632-5016 if there are any questions, or additional information is required.

Sincerely,

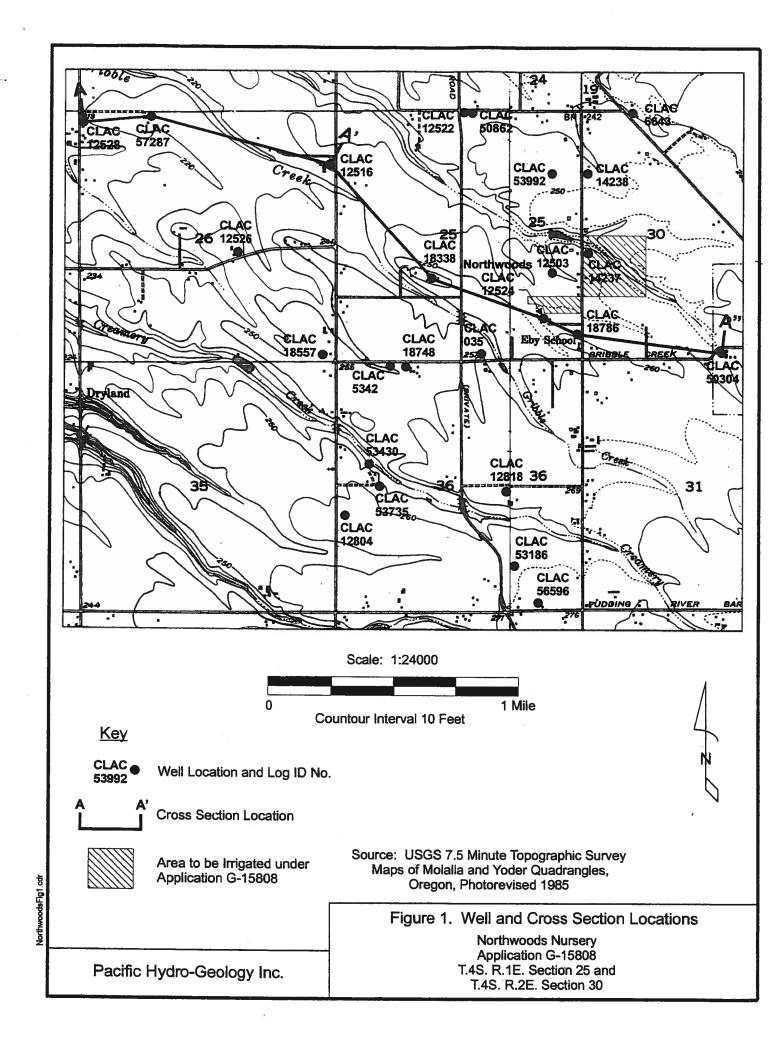
Bryon & Mysica Gregory E. Kupillas, R.G., C.W.R.E.

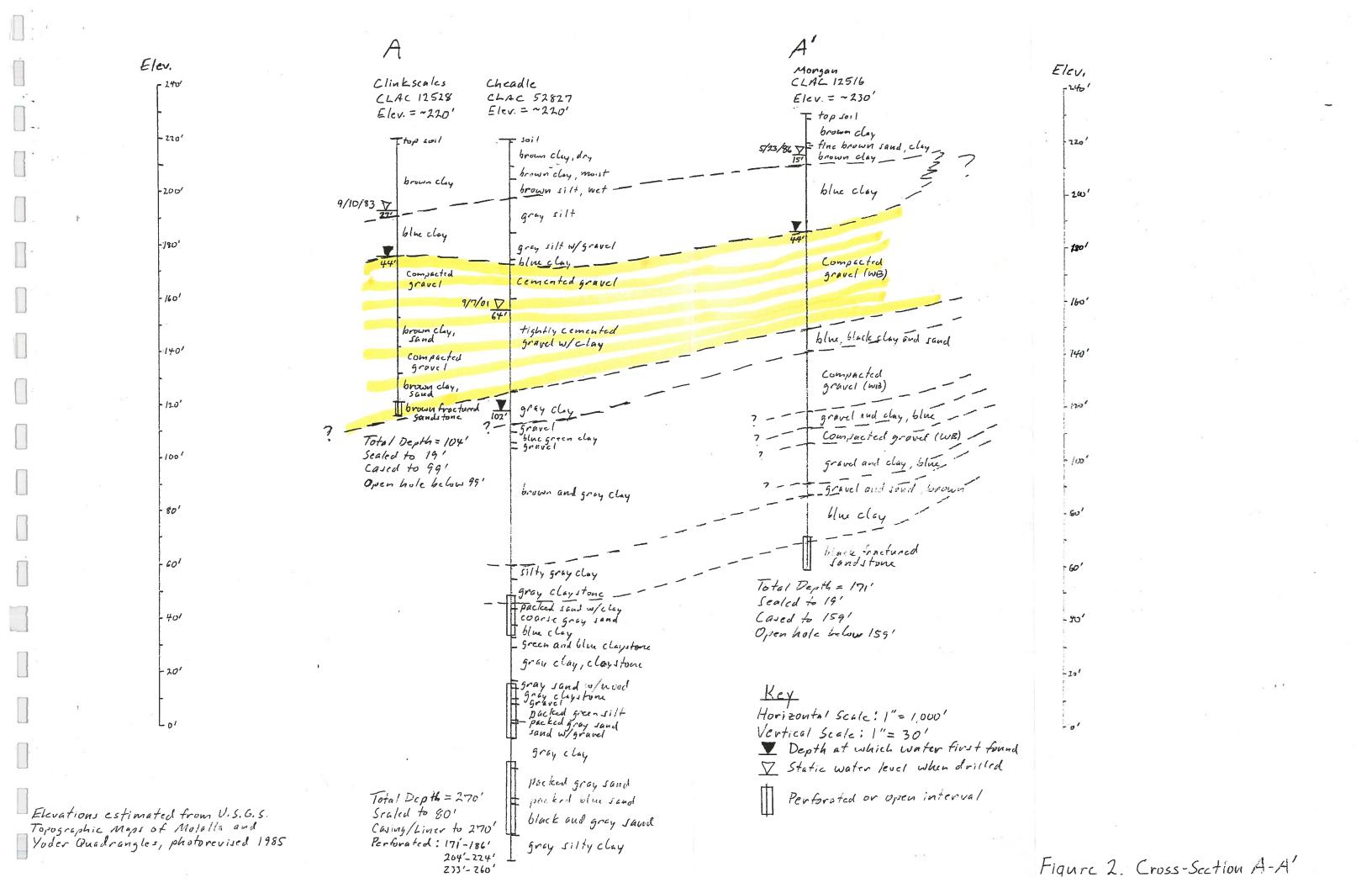
Attachments: Figure 1. Well and Cross Section Locations

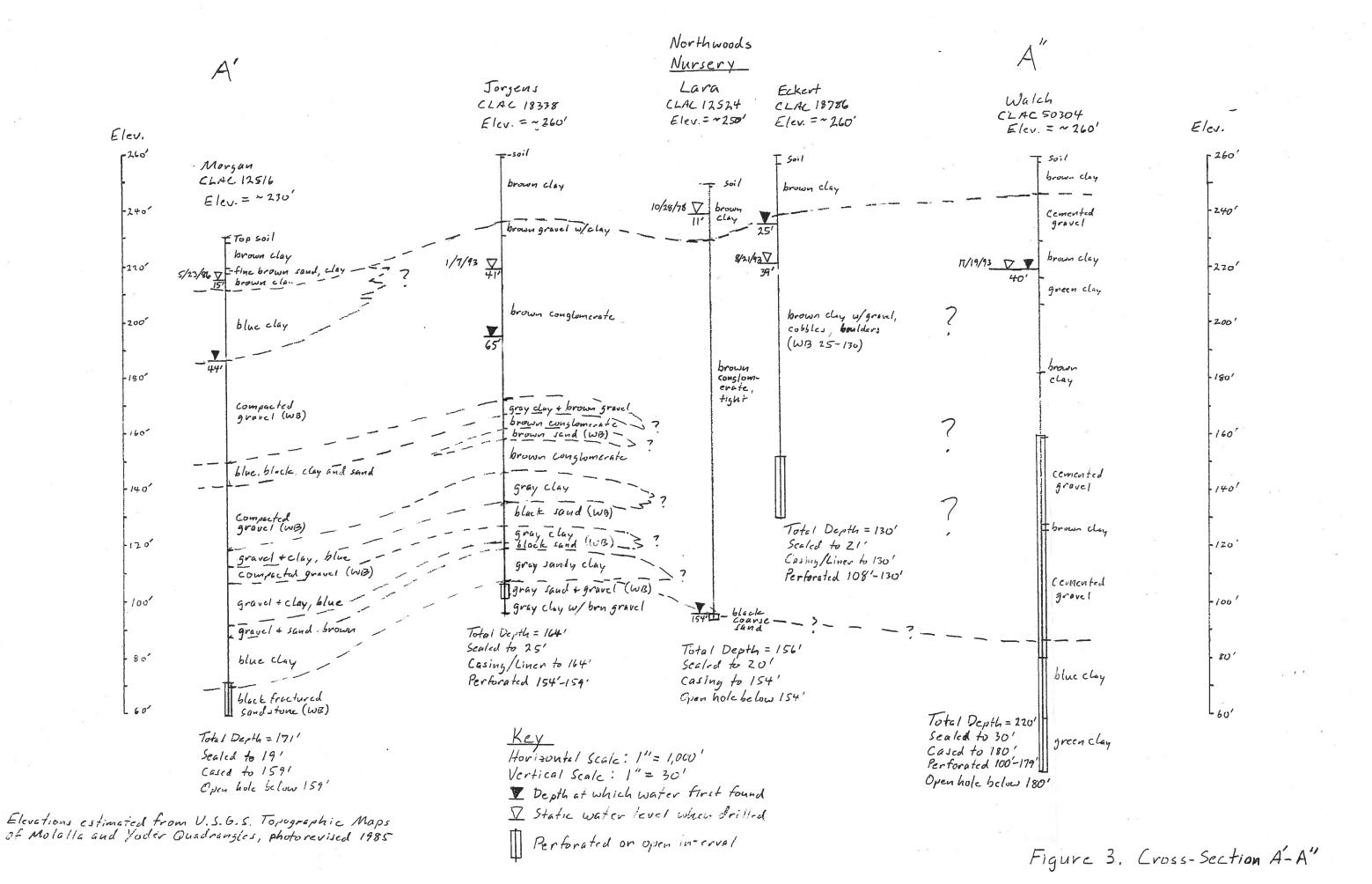
Figure 2. Cross Section A-A' Figure 3. Cross Section A'-A"

Attachment A. Logs for Wells Included on Cross Sections Attachment B. Logs for Other Wells Shown on Figure 1

Cc: Elizabeth Howard, Churchill, Leonard, Lodine & Hendrie, LLP







#### ATTACHMENT A

Logs for Wells Included on Cross Sections

#### WATER WELL REPORT STATE OF OREGON

CLAC 125 28

PARTIE DE Welling

SEP 20 1983

45/1E-26

PLEASE TYPE SERING DESCURCES

	LILLY RESUURCES LILLY
(1) OWNER:	(10) LOCATION OF WELL
Name Tracy Clirkscales	1 - 6.
15800 Booresterry Rd.	ANTI ANTI
take Oswego State Or	The Lates
(2) TYPE OF WORK (check):	Subdivision
New West To	Address at well boostion: 28076 S. Drylard Rd. Carby, Or. 97073
Ahandan C	
If abundament, describe material and procedure in Rem 12.	(11) WATER LEVEL: Completed well,
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 44
Robert Air Gr Driven D Descrite Co Induction in an account	Static level 27 ft. heleny band markets Date 0 / 15
brighted   Dog   Impation   The Well   Other	Arthur programs
WHATERMAN   Reinjection	(12) WELL LOG: Diameter of well helow casing 6"
(5) CASING INSTALLED: Sheel ID Plantic	Depth drilled 104 ft. Depth of completed well 104
Thomas and the second s	Furnation: Describe color tentum amin aim and
6 "Diam from +20" to 50 ft George250	thickness and nature of each stratum and aquifer penetrated, with at least one on
Dism. from	for each change of formation. Hopert each change in position of Static Water Let and indicate principal water-bearing strata.
LINER INSTALLED:	
"Dison: from	To SWL
(E) THE THE CASE A STREET OF THE CASE OF T	Top soil 0 2
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Size of perforations in by	Clay blue 29 44
	*Gravel, compacted 44 67
perferences from	
A	(1-1)
perfurations from ft. bo ft.	Clay, sard, brown, lire 88 99
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Manufacturer's Name	
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Stot Size Set from	
(8) WELL TESTS: Describers is amount water level is lowered below static level	
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and 30 ml/min, with 30 ft describers after 2 hrs.	
42.4	
Air test gal/min, with drill steen at ft, hrs.	
T. doublown after	
tesian flow g.p.m.	
A Company of the Comp	Work stanted 9/8 16: 22: 0-1-1-1 0/40 00
(9) CONSTRUCTION: Special standards: You D No B	Date will 1 1971 1983
Well seel Material used Cemert	Date well drilling machine moved off of well 9/10 1983
Well seeled frees lend surface to	(unbonded) Water Well Constructor Certification (if applicable):
Dismeter of well hore to bottom of seel 10	This well was constructed under my direct supervision. Materials uses and information was to be a profession of the construction of the constructi
Dismeter of well bore below sealin	Road and belief.
Number of sacks of coment used in well seed	Date 11.1., 19.63
How was commit must place in PRESSURE OROUTED I HOW	Bonded Water Well Constructor Certification:
19 ft. to lard surface.	Bond EX490686 Immedia. American States
	This wall was deflied worken was best-at at
Was pump installed? YeA Type SUBHP 1 Douth 84 a	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Nas adrive share used? E Yes   No Pines   See	Name B&C Dailling
at any strata contain womable water! [] Yes [4] No	Address 10030: S. Mackabuno 2d Carlos
ype of Water? depth of strate	La Carou On.
fathed of sealing strate off	Bend Designer Warner Id
No well proved product O Yes (XNo Simply proved	Water Well Designation of
terrel placed from	Date 9/17 19.83

NOTICE TO WATER WILL CONSTRUCTOR.
The original and float copy of this report
see, to be filled with the

WATER RESOURCES DEPARTMENT, SALEM, CHECKY 97810 within 20 days from the date of well completion.

SP\*48282-000

## Westerberg Clac 57287 36728 S. Kropf Rd. Molalia OR 97038

STATE OF OREGON

WATER SUPPLY WELL REPORT

WELL	LD.	#L	_50	51	6
START	CAI	RD:	# 1	39	282

	ORS 537.765)	report are on the last	ording of the form	77:550	START CAR	D# 13928	2	
(I) LAND OF	WNER	Well No	unber	(9) LOCATION	OF WELL by legs	description:		
	IARD CHEADI			County CLAC	KAMAS Latitude		Longitude _	
	DOO S. DRYI			_ Township 45	N or S Ran	ge <u>1E</u>	E or W	.WM.
City CANE	SY	State OR	Zip 97013	Section 26	NE 1/4	NW	1/4	
(2) TYPE OF		Iteration (repair/records	ion)	Tax Let 200		245	Subdivision	
(3) DRILL M				. Street Address o	Well (or nearest addre	SAME		
Rotary Air	Rotary Mud K	Table Augur		(10) STATIC WA				
Other					helow land surface.		Date 9-	7-01
(4) PROPOSE				I ————	h. pc	r square inch	Date	
	•	ndestrial Mirrigatio		(11) WATER BE	LRING ZONES:			
	Injection [] I	Livestock Other_		Depth at which water	hourd test form	102!		
		CITON: (call) No Depth of Co	moleted Well 270 ft					
	Yes XX No Ty	·	noent	17000	To	Estimated		SWI
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8 .80	270	V 10.	L) SACKS		<del> </del>	CCI		901
				(12) WELL LOG:		SE	1/6	<del>001</del>
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	omft. to_	ft. Materia	1	Mat	erial	Fram	To	SWI
•	m 150 ft to		eravelSTLTCA SA	NO SOIL		0	1	-
(6) CASING/L	INER:			CLAY BRN DR	7	1	10	
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- 10	<del>  </del>			SILT GREY		22	35	
6"		250 ZX 🗆	<b>20</b>	SILT GREY W	/GRVL	35	45	
6 <sup>n</sup> 5"		250 20		CLAY BLUE S	TCKY	45	47	
Liner: 5"	260 270	258 DXX 🗆	<b>20</b>	GRYL CEMENT	300	47	60	
	Inside A Outs		<b>X3</b>	TIGHTLY CMT	GRVL W/	60		
Final location of s	<del>-</del>			SOME CLAY			95	
(7) PERFORAT	TIONS/SCREE	NS:		CLAY GREY ST	TCKY	95	107	
☐ Perforation				GRAVEL		107	110	
<b>Miscreens</b>	Туре _ ∇-	WIRE Mate	rial <u>S.S.</u>	CLAY BLUE G	N.	110	114	
From To	Slot size Number	Tele/pipe		GRVL DRY		114	116	
171 186	-070	Diameter size	Casing Liner	CLAY BRN & C		116	160	
204 224	-070	5" D/S			REY	160	165	<del></del>
233 260	-040	5" p/s		CLAYSTONE GI		165	174	
				PACKED SAND CONT.	W/GLAI	174	176	
(8) WELL TES	TS: Minimum	testing time is 1 ho		Date started 7-30	)01Com	mpleted 9-	7-01	
XX Pump	☐ Bailer	☐ Air	Flowing  Artesian	(unbonded) Water We				
Yield pal/min	Drawdowa	Drill stem at	Time	l certify that the wor ment of this well is in or	t I performed on the	construction, alte	ration, or ahu	ndon-
250	58		4 xhr.	standards. Materials use	d and information rep	orted above are to	en constructed we to the best	of my
				knowledge and belief.	1 1		1	
-				Signed Assil	m Su	WWC Num	ther 1768 bate 9-13	<del>-01</del>
Temperature of wa	er 54 r	Depth Artesian Flow Fo	wari	(bonded) Water Well (	enstructor Certifica			
Was a water analys		s By whom			ty for the construction		maringanes =	enrk
•	_	ble for intended use?	☐ Too little	performed on this well d	uring the construction	ciates reported al	nove. All work	k
☐ Salty ☐ Mud		Colored Other_		performed during this til construction stationeds.	De 15 in compliance w This report is transco th	ith Oregon water a best of my kee	supply well	ملئمة
Depth of strate:	-	- C7/2000.		4-4		TO JAMC Nee	ther <u>688</u>	-
				Signed Alexander	11 Dru		9-13	-01



36728 S. Kropf Rd., Molalla,	OR 97038 •	Phone: (	[503] 82 <del>9</del> -2526	FAX (503) 829-
36/20 3. Ki opi ita.,				

	WELL ID# 50516
OWNER: RICHARD CHEADLE	
ADDRESS: 28000 S. DRYLAND RD.	
CITY/STATE/ZIP: CANBY, OR 97013	
WELL ADDRESS: SAME	
TO	WNSHIP 4S RANGE 1E NW 1/4 TAX LOT 200

VELL LOG INFO. CONT'D	FROM	TO	SWL
SAND GREY CRSE	176	182	
	182	186	<u> </u>
CLAY BLUE	186	190	
CLAYSTONE GRN & BLUE	190	202	
CLAY GREY & CLAYSTONE	202	205	
SAND GREY W/WOOD	205	209	
CLAYSTONE GREY	209	211	
GRAVEL	211_	217_	
PACKED SILT GRN DRY	217	218	
PACKED SAND GREY	218	224	
SAND W/GRAVEL	224	235	
CLAY GREY	235	246	
PACKED SAND GREY	246	248	
PACKED SAND BLUE	248	260	_
SAND BLK GREY LOOSE	260	270	
SILTY CLAY GREY	200	- +	
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#### RECEIVED

STATE OF OREGON

JUN2 3 1986

WATE	R WELL REI	PORTATED DE	SOURCES DEPT	125/6	<del>-72/</del>		<u>- a.</u>	
		765) WALER RE	OURCES DEFT ORSON Number 283	(/ / 2 3/2 )-		Y 7	2 10	<u>ප</u>
(1) OWN		Owner's We	Number: 283	(9) LOCATION OF WELL by	local	docavi	ntion	
Name	/ Charles	_morgan		Causty Clack Latitude	,	r -	hemi:	,
	185 S. El			- Translin 45 N-CD-	1E	Longitu		
	nby	State Or	<b>2</b> 97013	Section 25 SW	WIL	7 2	E or V	V, WM.
(2) <b>TYP</b>	E OF WORK:		40,0000	I I	ek		division .	
New Well	Deepen.	Recondition	Abandon	Street Address of Well (or nearest address		. S.	Flic	he I
(3) DRII	L METHOD:							سهد
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	9 9							
							5/2	3/86
(4) <b>PRO</b> I	POSED USE:	•			square inc	ch. Det	2	
Domestic	Community	☐ Industrial ■	Irrigation	(11) WELL LOG: Ground eleve	tion			
Thermal	Injection.	Other	e e e e e	Material "	From	To	WB?	SW
BORI	HOLE CON	STRUCTION:		Top soil	0	2	+	1 300
		pth of Completed Well _			2	111		_
-		ocial Standards date of a	proval	Sand clay brown fine	11	13		
HOL:		SEAL al From To	. Amount sacks or pounds	Clay, brown	13	19		
		1 1	sects or beings	Clay, blue	19	44	11	
12 (	19 ceme	ent 0 19	50 sacks	Gravel compact	44	81	Yes	
				Clay sand blue black.			,	
				fine	81	89		
How was said ple	aced? Method 🔲	A DB BC DI	□ R	Gravel, compact	89	112	Yes	
Other		- :		Gravel clay medium.				-
Backfill placed f	romft_to_		til	blue	112			
	mf_to_		vei	Gravel, compact	118	124	Yes	
	G/LINER:		984	Gravel clay medium.				
Diame	ter From To	Gange Steel Plant	ic Welded Threaded	blue	124	139		
Casing: 8 H	+18 15	9250 🗷 🗆		Gravel, sand, medium,				
		<del>                                     </del>		brown	139			
				Clay, blue	143	161		
	1			Sandstone, black,	<u> </u>		·	
Lines:				fractured	161	171	Yes	
Final location of				<del> </del>	<b></b>			
PERF	DRATIONS/S	CREENS:						
Perform	tions Method	I						
Screens		Mete	ria)		<del></del>			
F	Slot	Tele/pip	e				<del></del>	
To To	size Numbe	er Dinmeter size	Casing Liner					
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			- 🖺 🖹	Date started 5/7/56 Com	<u>_</u>	100 /	20	
/Q\ TITELT T	meeme :				pleted 5		00	
		mum testing time	is 1 hour	(umbonded) Water Well Constructor Ces				
☐ Pump	☐ Beiler	Air	Artesian	I constructed this well in compliance	with Or	region w	ell const	ruction
Yield gal/min	Pumping level	Dellisten at	Time	standards. Materials used and information re knowledge and belief.	sported a	DOTE ATE	true to r	ny bes
100			We have a second					
180		140	1 hr	Signed		Dete	5/27/	/86
			3	(bonded) Water Well Constructor Certif	leetice			
		-	<u> </u>	I accept responsibility for construction		M 3		
Temperature of we		Depth Artesian Flo	w Found	AND OF CHANGE ASSESSMENT AND ADDRESS OF TAXABLE PARTY OF	report is	west stack	the best	phance of we
Was a water analys				knowledgeend belief.	• 4			эт шу
Did any strate con	tain water not suitab	is for intended use? 🗆 7	on little	Signed Xlerese & Warner	Company of the	T	27/86	•
	idy Dodor Do	olered Li Other		00	Dut	2/3/3	-//86	)
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					75-00-	TAR		

### 16

## STATE OF OREGON WATER WELL REPORT 1835 (se required by ORS 537.769)

#### RECEIVED

JAN 2 2 1993

45/10/2

47766 (START CARD) #\_\_ WATER RESOURCES DEPT. SECON (9) LOCATION OF WELL by legal description: SALEM. (I) OWNER: Well Number Name FRED JORGENS County CLACKAMAS Latitude Address 28668 S. ELTSHA RD Township 4S N or S. Range 1E E or W. City CANBY OR 97013 Section 25 NE SW \_.¥.\_ (2) TYPE OF WORK: Tax Lot 1202 Lot Block New Well Deepen Recondition ... Abandon Street Address of Well (or nearest address) SAME (3) DRILL METHOD: Rotary Air Rosary Mind A Cable (10) STATIC WATER LEVEL: Other | .- بيعتر. \_\_\_\_\_\_ft. below land surface. (4) PROPOSED USE: Artesian pressure \_ lb. per square inch. XX Domestic Community Industrial (II) WATER BEARING ZONES: ☐ Injection ☐ Thermal Other . (5) BORE HOLE CONSTRUCTION: Depth at which water was first found 65 Special Construction approval Yes No Depth of Completed Well 164 ft. Explosives used . Yes XX No Type\_ Estimated Flow Rate From To HOLE QQ. 102 20 gpm eter From 129 ds or no 133 <u>40 ஜூங</u> 10 0 25 BENTONITE 32 SKS 139 141 30 epm 8 37 GRANULAR 153 159 100 gpm 37 164 (12) WELL LOG: Ground elevation How was seal placed: Method A B B C D D E Other POURED INDRY Material From Backfull placed from 37 ft to 25 ft, Material BENTONITE SOIL BROWN 0 Gravel placed from ft. to ft. Size of gravel CLAY BRN 1 24 (6) CASING/LINER: GRAVEL BRN W/CLAY BINDER BRN 24 29 Three GRAVEL BRN CONGLOM. 29 88 153 X CLAY GREY GRAVEL BRN 88 93 GRAVEL BRN CONGLOM 93 98 SAND BRN MED 98" 102 П GRAVEL BRN CONGLOM 102 114 149 1154 II CLAY GREY 114 124 159 164 188 SAND BLK MED TO FINE 124 133 153 Final location of shoe(s) CLAY GRAY SANDY (7) PERFORATIONS/SCREENS: 133 139 SAND BLACK FINE 130 141 Perforations Method \_ CLAY GREY SANDY 141 153 Screens Type V-VIRE Material S S SAND & GRAVEL GREY MED 153 159 CLAY GREY W/ GRAVET, BRN-159 164 From Lines Westerberg Drilling, Inc. 159 018 36728 S. Kropf Rd. □... Molalia, OR 97038 829-2526 (8) WELL TESTS: Minimum testing time is 1 hour 12-19-92 Date started \_ Completed \_\_ Air .... Artesian III Pump Hailer honded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or also Yield gal/min Denvilowa Drill stem at Time ment of this well is in compliance with Oregon well construction standards. Mr used and information reported above are true to my best knowledge and belli-1 hr. 72 18 17. HRS WWC Number 14 ded) Water Well Co. trucior Certification: Temperature of Water \_\_\_ 53 Depth Artesian Flow Found I accept responsibility for the construction, alteration, or abandonment wor formed on this well during the construction dates reported above. All work perf during this time is in compliance with Oregon well construction standards. This is true to the legs of my knowledge and belief.

WWC Number 68 Dist any strice contain water not suitable for intended use? 

Too little ☐ Smity ☐ Minddy ☐ Odior ☐ Colored ☐ Other SANDY
Depth of strate: 129-133 WWC Number 68 1-9-93 ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR - TEURD COPY - CUSTOMER.

MOTICE TO WATER WELL CONTRACTOR WATER WELL REPOECEIVED The original and first copy of this report are to be filed with the STATE OF OREGON NOV 61978 STATE ENGINEER, SALEM, OREGON 97810 (Please type or print) ODO BOX WELLE BESOURCES DEPT. ING. TL 1907 within 30 days from the date of well completion. SALEM OREGON (1) OWNER: (10) LOCATION OF WELL: Frank M. Lara County Clackamas Drifter's well number Name 14 SE 4 Section 25 T. 4S R 1E 27730 Pelican St. Address Canby Oreson 97013 Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New Well Deepening [] Reconditioning [] Abandon If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found 154 Rotary 🛅 Driven 🛘 ft. below land surface. Date 10/28, Domestic Andustrial Municipal Static level 11 Jetted □ hrigation X Test Well | Other | Bored D Artesian pressure Ibs. per square inch. Date Disnieter of well below casing 5 (5) CASING INSTALLED: Threaded | Weldedy | (12) WELL LOG: "Dism from \$7 ft to 154 ft Gram 250 Depth drilled 156 ft. Depth of completed well \_\_ fi. to \_\_ ." Diam. from ..... Formation: Describe color, texture, grain size and structure of material ... £L to .... \_\_ ff. Gegge \_\_ and show thickness and nature of each stratum and aquifer penetrate with at least one entry for each change of formation. Report each change (6) PERFORATIONS: position of Static Water Level and indicate principal water-bearing strai Perforated? [] Yes [DNo. . Type of perferator used MATERIAL. From Size of perforations in. by Top soil 0 Clay, brown 20 1 \_\_ perforations from \_\_\_ \_ ft. to \_ 154 Conglomerate, brown 20 \_ perforations from \_\_\_ .. 12. tight perforations from ... "ff. to \_ Sand, coarse, black 156 [1] (7) SCREENS: Well screen installed? □ Yes 🖈 No Manufacturer's Name . Type . \_\_ Model No. \_ . Slot size ... Set from .... ... Slot size ... . Set from ... Drawdown is amount water level is lowered below static level (8) WELL TESTS: Was a pump test made? [ Yes 2] No If yes, by whom? gal/min, with hes. gal/min. with 75 ft. drawdown after hrs. g.p.m. 10/26 1978 Completed cature of water Depth artesian flow encountered \_\_\_ 10/28 Work started 10/28Date well drilling machine moved off of well (9) CONSTRUCTION: Well seal-Material used Bentonite Drilling Machine Operator's Certification: This well was constructed under my direct supervision Materials used and information reported above are true to m Diameter of well bore to bottom of seal ..... best knowledge and belief. Number of sacks of coment used in well seel Drilling Machine Operator's License No. ... Number of sacks of bentonite used in well seal . Brand name of bentonite .... Net1mal Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report i 700 true to the best of my knowledge and belief. \_\_ Size: Joention \_\_ Was a drive shoe used? M Yes □NC Plags ..... C. G. Westerberg Name ..... Did any strata contain ususable water? [ Yes is No Address . , Por 151, Malin, Oregon Type of water? denth of strata Method of sealing strate off Was well gravel packed? Tes Thio Size of gravel: ... 11/1 Gravel placed from ..... Contractor's License No. \_ (USE ADDITIONAL SERVER IF MICHEAUX)

# STATE OF OREGON WATER WELL REPORT



(START CARD) #\_

	(se redi	ired by Oik	5 <b>537.765</b> )	7	رم			SEP	L 6 <b>199</b> 3	l '	(START C	ARD) #	50386_		
i	(I) OWNE	R:	-		. Wel	Number	WA	TER RES	OURCES	DESTON	OF WELL	he local	domestical		
	Name Da	ATH A IN		CKert		.,		SALEN	, OREG	Clarka	magen Latitud	e	Long	zitode	
		18 SE C		<u>:</u>					_ Tow	nship 45	1_N_cc_S	Range 1	e	E	or
	(2) TYPE	ortland			State	nr.	Zip	97206	_ Sect	ios <u>25</u>	0.11	co · ·	¥ 50	¥.	•
	XX New Well	JE WUK	ak:	المسر	ا برويد ه	· <del></del>	Sec. 1. 2. 2.		Than	Lot	Lot	Block		abdivisio	on
	(3) DRILL	A Dec	pen	Reco	adition	<u> </u>	Abandor	1	Stores	t Address of	Well (or neare	st_address)_			
	(3) DRILL	MILTHO	עני: יעי	المنتأ سيميد				- <del></del>		8959 S. C	remer Rd.	Molalia		-100	
	Rotary Air Other	الاللاب	obary Mu	id k⊠x	Cable	and from	er <del>nega</del> egeş	ر د د	(10) S	CATIC WA	TER LEVI	QL:		4.	
	(4) PROPO	CIED FICE						1, 1	-	7 8	below land sui	fface.		Date_A	in.
	Domestic	ORU USI	S		1-,	· 100	: 1/1-11	4.124-2 5	Arte	ian pressire .		lb, per son	are inch.	Date_	
	☐ Thermal		minnity	Other	irial	i ling	pition	- ,	(II) W	ATER BE	ARING ZO	NES:			
	(5) BORE	TAT TO CO	DOB I	Lil Other	<del>-</del>	+=+-				1 N					
•		TOLK C	CINDIK	CHO	IN:				Depth at	which water	was first found	<u> </u>		1 0	10
	Special Constructi	OR STATE	.XES	wo_″	Depth	of Comp	deted We	1 130 ft							
	Springer (1900)	. La 189. F	ing	TAbe	*** * **	<u>- A</u>	monnt		7 1	From	To		Estimated	Flow Rat	1c
•	HOLE			SEA	Ť.		A	amound .	· · · ·	5	1	.30			
•	Disputer From		virter		From	To To		or popuds	11	3					·
	6 21	130	Behin	nite	<del>-!-</del>	21	18		-1├			(1)		Z.	
	<del>-   -(</del> !	1.1.11		<del></del>		1	4	* •	1					8 st	
		1		<del></del>		-	4	5 20	(12) W	ELL LOG	Na.				<del>-</del>
- -			, T		11	<del></del>		4.*				and elevation	ı		
, 	was seal p	aced: Meth	مريد المارية مريد المارية	ا الله	) لبر	لِ لِيناً ٢٠	<u> ۽ اِتا</u> ا		-		-			-	
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بطا	kfill placed i	TUED	л. ю	,Æ	. Mate	tie]			Soi	<u> </u>			1	4	•
0.50	casing	OE APAREN	fi. to	<u> </u>	. Since	of gravel			Cla	, brown			7	21	
					•		15				«/cobbles	nravėl		-	
	Disusete			Charge	Steel .	Plastic 1	Welded	Threaded	- 000	sional br	winers	, 3, -, -,			-
3831	g: 6	<del></del>	108	25		<u></u>	· <u>L</u>	. 🖳 .	<u> </u>			•			
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7	l location of PERFOR	ATTICATE	10000	700 YC			10		-					1.	
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	Perforat  Screens	2005	Method .	- <del>2.3 a.</del>	-	18-1		-	-						
	- octeens		Туре			Material	50				1			1	$\neg$
-	ross Th	Set	W-1	Page 1	'Tele	e/pipe			-			20 1			7
	1	<del>مسر</del> الممدا	t 🤼 i	Diameter	г <b>ч</b>		aning	Liner							7
- 2-	08 130	100	50	19	<del>- </del>	<del></del> , 8	□ '''								+
		+	<del></del>											1	+
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7	WELL TI	STS: M	ininauro	testino	time	is I be		<del></del> ]					1	+	ᅻ
			\$ TO			444			Date starter	Aun 16	. :	Commission		71 10	ᆜ
L	k Pump	Bai	ier	Air	г —	- "E	- Flowin		the same of the sa		Constructor (	Complet		21, 194	<u> </u>
7	eld gal/min	Drawd	_	}  }_				17:22	I certify	that the wor	k I performed	OR the cons	traction alte		•
_	<del></del>	. LIEWO	OWE .	· năm i	sten a	· .	Time	•	ment of this	WELL IS IN COM	splinnce with (	Dresson well	construction	cton-load-	
_				• •			1 hr		used and in	formation rep	orted above an	e true to m	best knowl	edge and	<u></u>
_	40	25	- 1	•			1 br ·				_	-			
_						1			Signed					Number .	
_							15						Date		_
n	peruture of W	<sub>tter</sub> <u>53</u>	• • • • • • • • • • • • • • • • • • • •	Depth Ar	nesiun 1	Flow Four	od _	ا سمعود	(nonded) V	ater Well Co	estructor_Cer	tification:			
5	a water analy	sis done?	Yes	By whom	m		- FE	<del></del>	formed on if	responsibility	for the construct	action, alter	ntion, or abas	ndonmen	Ė WC
	uny stieta con	win water i		e for inter	aded us	e	Too little		Acres of City City		the constructi		urted above. Instruction	All work	per
•				Colored	Oth				is true to the	best of the	knowledge and	beljef.	with 1		
	ially 🗀 Mio	uuy 🗀 u													
	Salty Min th of strate:								Signed	1	11/	//	WWC	Number	74

.. . ...

(as required by ORS 537.765)	AD 1 - 1996 (START CARD) # 41280
(I) OWNER: Well Number	(0) LOGAMON OF WELL IN 1991
M/1 \	RESOURCES DESIGN OF WELL by legal description:
Address 12580 5 FBV Rd. S	LEM, OREGORY C PEL COMANDAMINACE Ongitude
City Me Aller Sure De 8 Zip C	7038 Service 31 N or S. Range 7 F F or W
(2) TYPE OF WORK:	
	Tax Lot Lot Block Subdivision
(3) DRILL METHOD:	Sireet Address of Well (or meanest address) 12580 5
Rotary Air Rotary Mud Z Cable	MOINIA OEX 97038
Other	(10) STATIC WATER LEVEL:
(4) PROPOSED USE:	ft. below land surface. Date NOV (
Domestic Community Industrial Irrigation	Artesian pressure lb. per square inch. Date
☐ Thermal ☐ Injection ☐ Other	(II) WATER BEARING ZONES:
(5) BORE HOLE CONSTRUCTION:	= 263
Special Construction approval Yes  No Depth of Completed Well	Depth at which water was first found
	From To Estimated Flow Rate
HOLE SEAL Ann	
Material From To sacks or	ounds /3 4 /73 70 f
0 30 200	205
	(12) WELL LOG:
How was seal placed: Method A B C D E	Ground elevation
Other OV Sentonite	
	Material From To
	701 500
Gravel placed from ft. to ft. Size of gravel  (6) CASING/LINER:	- C/44 (STOURN) 2 /3
	Comented (were) 13 20
	raded CIAY RYCKERS 30 83
Casing: 4 7 780 754 1	Clay Green 43 53
	C/Hy Brown 53 78
<del></del>	Clyly light Brown 78 106
	Country Crown 101 132
Liner:	CH4 Brown 132 134
Final location of shoe(s)	Comestal Cravel 134 173
	Clay Blue 173 26
(7) PERFORATIONS/SCREENS: Perforations Method MILS	Clay Green 201 200
Screens Type Material	
Slot Relejajoe From To sim Namber Biameter ein Cudes I	
100 79 45 656 1418	
(8) WELL TESTS: Minimum testing time is 1 hour	
— M	Date started Sept 17, 93 Completed NW 20
Pump Bailer Air Artesian	(unbanded) Winter Well Constructor Certification:
Yield gal/min Drawdown Drill stein at Time	I certify that the work I performed on the construction, alteration, or abs
Draw garden Drawdown Draw stem at Time	ment of this well is in compliance with Oregon well construction standards. Ma
70aph 10 1hr.	used and information reported above are true to my best knowledge and belie
	WWC Number
	Signed Date
	(housed) Water Well Constructor Certification:
Temperature of Water 55 Depth Artesian Flow Found	Laccept responsibility for the construction, alteration, or abandonment wor
Was a water analysis done?  Yes By whom	formed on this well during the construction dates reported shows. All work perfe
Did any strata contain water not suitable for intended use?   Too little	during this time is in compliance with Ocean well construction marriages. This
Salty Minddy Odor Colored Other	is true to the best of my knowledge and ballef.
Depth of strata:	Signed Signed Dec
ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT	ECOND COPY - CONSTRUCTOR THURD COPY - CUSTOMER 9809C

## ATTACHMENT B

Logs for Other Wells Shown on Figure 1

<b>BESEIVED</b>		40
	GLAL	
File Original and NOV 1 6 1959 WATER	WELL REPORT 1252 4	11-25
First Copy with the STATE ENGINEER SALEM, OREGON STATE ENGINEER SALEM, OREGON	OF OPECON	
	State Perpet No.	TL 500
(1) OWNER:	(11) WELL TESTS: Drawdown is amoun	Of water love 1
Name Kendall Mitchell Address Rt. 2 Box 295	(11) WELL TESTS: Drawdown is amoun lowered below static.  Was a pump test made?   Yes E No If yes, by with the static limits and the static limits are the	: jenej
Canby. Ore	Violat.	lown after
	by 19	Own arres
(2) LOCATION OF WELL:	" "	
N W N N TO THE PARTY OF THE PAR	Baller test 30 gal./min. with 30 ft. drawde	own after
Bearing and distance from section or subdivision corner		
From the N.W. corner of the N.E. 4	Temperature of water Was a chemical analysis	made?   Yes
of sec. 25. go S. 180 feet then E.	(12) WELL LOG: Diameter of well	6 1
30 feet	Depth drilled 63 ft. Depth of completed	well 63
	Formation: Describe by color, character, size of mater show thickness of aquijers and the kind and nature of stratum penetrated, with at least one entry for each	ial and structure
		change of form
TYPE OF WORK (check):	MATERIAL COST	FROM T
New Well DK Despening   Reconstitioning	Silty brown clay Blue clay	0 23
abandonment, describe material and procedure in Rem 11.	0-10	23 35
(4) PROPOSED USE (check): (5) TYPE OF WELL:	water) 61	35 63
Domestic IX Industrial II Manual II Delivery		<del>                                     </del>
Irrigation   Test Well   Other   Cable   Jetted		1
(6) (14 (17))		
(6) CASING INSTALLED: Threaded IX Weided II		
and the state of t		
P Thirm down		
JL USE		<del></del>
(7) PERFORATIONS: Perforated?   Type of perforator used		
marforetten de la		
perforations fromft. toft.		
perforations from		
perforations from		<del></del>
perforations from ft to ft		
SCREENS: Well screen installed   Yes   K No		
Manufacturer's Name		
Type Model No.		
Slot size Set from ft to ft.		
Diam. Saot size Set from ft. jo ft.	Work started sept 20 19 59 Completed Be	50
(9) CONSTRUCTION:		opt 28 19
Was well gravel packed? [] Yes [[Nio Size of gravel:	(13) PUMP:	
Gravel placed fromft p	Manufacturer's Name Ranidation Type: Submergable	
Was a surface seal provided?   Yes   No To what depth?	Type:B	CP. 📥
Did any strata contain unusable water. U Yes Divio	Well Driller's Statement:	
Torse of market	This well was drilled under you for the	od this remove a
Method of sealing strata off	true to the best of my knowledge and belief.	report 1
(10) WATER LEVELS:	NAME Tolleson drilling 60.	
	(Terror, firm, or corporation)	e or print)
Arreman pressure lbs. her source lock Date	Address rt 1 box 268 Millino Ore	gon
	Driller's well number	
rog Accepted Dy:	[Signed]	6.
(Signer W. ) - Call Fil Hotel Line 19 1050	That Diller	ELEPT.
	License No. 264 Date Sept	30 19 59

STATE OF OREGON
WATER SUPPLY WELL REPORT AUG 2 0 1995 LL I.D. # 101910

(as required	i by ORS 537.765) for completing th	is resoWATE	R.RE	SOURCES DEPT	•	(START CARD)#	90003		
(1) OWNER:		5	ALEN	A, OREGON					
• •		~~~	Well N	umber		WELL by legal desc			
	RN GINGERI				CountyCLACKAM	AS Latitude	1	ongitude	
	765 S. BAR	NARDS RD			Township 4S	N or S Range	112	E	W. W.
The same of the sa	NBY	State	OR	Zip 97013	Section 25	NW1/4	NE	1/4	
(2) TYPE OF		22		100	Tax Lot 200			Subdivino	
New Well	Deepening A	teration (repair	/recond	ition) Abandonmen		il (or nearest address)		PARTATEON	
(3) DRILL M	ETHOD:	(a)				D./MOLALLA FOI			
	Rotary Mud	Cable	Au	ger	(16) STATIC WATE	R LEVEL:	CEST RI	CAN	IBY O
Other				F 4775 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61 A. be	ow land surface.		Date B	13-06
(4) PROPOSE					Artesian pressure	Ib. per aquas	e inch.	Date	17-30
Domestic	Community	Industrial		Irrigation	(11) WATER BEAR	NG ZONES:			
Thennal	Injection	Livestock		Other					
	LE CONSTRU				Depth at which water was	first found	QΑ		
Special Construc	Y 🔲 levorqqa anii	es No Dept	h of Co	mpleted Well 170 f			94		
Explosives used	Yes No 7	lype	A	moont	From	To	T2		
HOLE		SEAL	^				40	d Flow Ra	te SW
Diameter From	To Mate		Т	Code as a second	94	90	20		58
12 0	33 BENT	10	1	Sacks or pounds	109	121	40		58
	, Bray		33	18 SACKS	121	128	15		- 58
10 1					135	152	75		
	<del> </del>				1				
	<u> </u>				(12) WELLLOG:		- 0		
How was seal plan		□□∧ □	B	]C	A	Elevation			
	LACED DRY		9	(S) 181					
Backfill placed fro	m 181 ft to	170 ft.	Materi	HOLE PLUC/S	AND Materia	·	From	To	-
Gravel placed from	n 170 fl to	112 fL	Size of	gravel 8_12 #6	SOTI. BROWN GR			10	SWL
(6) CASING/L						E.Y	1-0-	<del>                                     </del>	<del>-</del>
Diameter	From To	Gauge Steel	Plastic	Welded Threaded	CLAY BROWN		1_1	17	
Casine: B	1	250 TX			CLAY GREY		17	23	
8				100 D	CLAY & CORBLE		23_	32	
	1/3 1/0	25010		<b>x</b> □	GRAVEL CEMENT		32	67	
9	+				CLAY COBBLES	GRAVEL BRN	67	76	
7.5			╚		CLAY GREY		76	20	
Liner: 5		258 17		<b>x</b> □	SAND & GRAVEL	CRRY CRMT-IA	SR OA	00	
		258 1		<b>x</b> 200 □	CLAY CREY		QQ	100	
Final location of si	100(1)(LLL. OEE.	PIPE & 9	SHOE	173'-177'	SAND GREY MED	TO FINE SEMI-		1	
(7) PERFORAT	TONS/SCREEN	IS:			LOOSE			101	-
Perforations	Method				SAND GRAVEL WO	MAN & CIT A ST	121	121	<del> </del>
Screens	Type	TRE	Mate	stial SS	CLAY GREY	AU & CLAT		128	
From To	Slet	, Diameter ,	Left bib		SAND & GRAVEL	OTT (TIME)	128	135	-
133   154	035	Zan I	Size	Casing Liner		CEMENTED CREY	135_	<del> </del>	
	1	1 - 1			FINE		<del> </del>	149	
		<del>                                     </del>		- 2 2	SAND GREY SEMI		149	152	
	<del>  </del>			- 🖺 📮	CLAY BROWN SAN		152	157	
<del></del>	<del>                                     </del>	<del> </del>		_ 🖳 📮	CLAY BROWN HAR	<u>ת</u>	157	172	
	<del></del>	<u> </u>			CLAY BROWN STI	CKY	172	181	
<b>(0. 17:0)</b>									
(8) WELL TEST	'S: Minimum to	esting time is	1 hour	•	Date staned 8-7-96	Complet	ed 9-7	3-06	
				Plowing	(unbeaded) Water Well C			الانت	
Pump	Bailer	XIX Air		Anosian	I certify that the work I			tion and	
Yield gal/min	Drawdown	Driii stees s	<b>st</b>	Time		: With Limeon water mr	niv wall co	a established as	
75		105		l hr.	Materials used and information and belief.	tion reported above are t	rue to the b	est of my k	nowledge
					~	D			
	5				- 12 - C		WWC Num		
Temperature of water	m E4 1 1	Denth Annie 1	Des F		Signed 1	MACLL K		Date 8-1	7-96
1.0 min 1 = 100 min 2 = 100 min 1 = 100 mi		Depth Anccian	CIOW PC	AUG	(bonded) Water Well Com	structor Certification:			
Was a water analysi		es By whom_			I accept responsibility for	r the construction, altern	tion, or abe	ndomment v	wark
Did any strata conta			se?	Too little	performed during this rime:	og the construction date:	reported at	ove. All w	rosk
Salty Mindd	y .□Ottor □C	Colored 🔲 0	ither _		construction standards. This	suport is true to the bes	t of my kee	Application and	l Lagran
Depth of strate:			_		X.	A.	WWC N	ber _68	Q
			•		Signed Stewar	21 186		Date 8	
ORIGINAL & FIR	ST COPY-WAT	ER RESOLIDA	רו פקר	PRAFTMENT PO	COND COPY-CONSTRU				1/-46
					and cort-constru	CTOR THURD CO	MY-CUST	UMER	

# STATE OF OREGON WATER SUPPLY WELL REPORT (as required by ORS \$37.765) Instructions for committeins this report are or

27153 WELL LD. # L\_ 111469 START CARD #

		N 44	Markey Inc.	1 TEDOST	020-			ais form.	1					
(I) OW Name		. CT	NERICE	r		Well No	umber				WELL by legal des	cription:		
Address	2631	:O C	. MOLA	TTA	EVID	DOM	DD				AMAS Latitude		.ongitude_	
Clity	CANBY	7	FRULE	State				0701		enthip 45	N or S Range		E o	W. W
(2) TY			·	- 04		OR	Zij	9701		ion 25	SE 14	NE	_ 1/4	
			sing MAN	ention (	teneir	t				Lot 202			Subdivinion	
(3) DRI	LLME	THO	D:			лосоци	- The last of the				eli (or neavest address) _  OLALLA FORES'	מת ת		
Rotar	y Air	Rot	my Mod	TICH		□ Au	967			CATIC WATE		r KD.		
Other							<b>8</b>				ion has virtee.	0.500		
(4) PRO	POSE	USI	:							NA pressure		-	Date	
[ Dome	≡tic	Com	namuity	_ Indu	rical	M	Estigation				Ib. per squa ING ZONES:	e liker.	Date	
Thomp		مزط		Live			Other		, ,		20143.			
			DISTRU			12			Death at	which water wa	s first found NONE	2		
Special C	`costructi	on app	roval 🔲 Ye	s∏No	Dept	h of Co	exploted We	1 70 M				1		
Explosive	es maed [	] Yes	No T	/pe			Amount			From	To	Entimet	ed Flow Rat	e s
-	HOLE			. 83	CAL		1					2		-   -
Diameter 1.6		70	Mater		Prom	То	Sector or			9 .				_
16	10 1	19	BENTO	TTE	0	19	17 SA	CKS	* .					7.0
	┢												10 0	
	╂╌╌┼	(i)	10											
	بالبا				لب				(12) W	ELL LOG:				
How was o			Method			B	]c 🗀	D DE	( ,		d Rievation			772
	BE		POURE		_					79				
Backfill pl			ft. to_		Bt.	Mater				Materi	4	From	To	SW
Gravel place (6) CAS			ft. to		a.	Size o	f gravel		TOPSO			0	1	
		37.000							CLAY	TAN		1	19	
	lameter 7.0	Pres		George S		Photic	Welded	Thresded	<u> </u>					
Casing:	14	+1	119	250			□				FOR PERMIT #		4.	
_		-	-								EPENED TO FI	NAL		
_			+						DEPTE	IN THE	FUTURE.			
Liner:			+											
1-10-1-			+-+						-					
Final locati			191	الــــ										
(7) PERF				-					ļ					
Penfo	A CONTRACTOR OF THE PARTY OF TH	100000000000000000000000000000000000000	School .	NONE	,				100				N.	
Scree				NONE		- 1	-HEC	EM	4D		in	g,	1 3	
		Slot	Abs	- 39		MAN sjejvije	erial			128	e	1	535	5
7700	T• 1	-	Number	Diame				2 000	<del>_</del>	20	U		-	<
					$\dashv$	_	-JAN	~ U_13	77	- nindly	703	-	Ö	
					-+			اللام	<u></u>			+	77	7
			1		+		ATERIAES	UUHDES	PEP!			+	88	-13
					-		_	, OREGO	"			+	20	98
									-			+	드	
(S) WELL	TEST	5: M	ر حسورات	siles #1		1	-		D-4	110 65 5			<u> </u>	
		- 254		E 41		4		- 1		10-21-9			-2198	
Per	,	□ Be	ile.		<u>.</u>		Flow				Constructor Cartificati			0.50
Yield gall		2000	rion:		ar Datan		Arte		of any and	L St. to constitue	performed on the course ce with Oregon water su	make weedli con	and the same	-
									Market Services	مرسائي ارم الاست	ation reported above are	true to the b	est of my to	a whole
NO W	ATER	ENC	OUNTER	ED			1	l br.	and belief.				0.7200	
					٠.		+		Ø:			WWC No		
Temperature	of water	,	1	cpth.Ar	-	Place E	inmed .	—	Signed	Mater Ware A			Date	
Was a water				≈ By wi		- Pro 177					estructor Certification:			11
Did my stre	•					7	Teo li	<del></del>		سناء كنسا منظا فات	or the construction, alter ing the construction date		A 70	_
Salty [							₩	_ [	100 miles	der this time	e in in compliance with C	Trains Water	السر طحوي	1
Depth of str					٠,			I		77.	is report is true to the be	and the line	antende 1990	belief.
-								- 1	Signal /	Stome	n. Med.	AC NO	mber <u>688</u>	
ORIGINAL	& FIR	STO	PY-WAT	TP PDC	OTE	CBe r	NEEDA DTD A	DAT OF		T-CONSTRU	1 4 444		Detc 11-	10-9
	T. TR.	~	AL T. MANY!			CES L	ALTAKI M	EM 1 280	JUND CO	Y-CONSTRI	JCTOR THIRD C	OPY-CUST	OMER	

	_1		חבטו	HA	HET	THE	/ / /	7/-
WATE	ATE OF OREGER WELL RE	PORT	APR	1989	CLAC	035/7 FR:: 6 1990 -	S//E	:/
(1) OW	paired by ORS 537 NER:		WATER RES	OURCES	1	(START CARD)	1709	9_
Address /	07 N. 971	Sumpter aple St	THE MAN	OREGO	County Cloud	NOF WELL by	legal descri	
(2) TY	PE OF WORK	State (	3re = 97	013	Township 9	9 4 Northange	SE S	DE E
New Well		Recondition	Abundon		Tax Lot 176	O Lot Bic	ockS	ے ہے۔ ubdivision
(3) DRI	LL METHOI		C. Abelloue	_	19d, Ca	Well (or nearest address)	97	
Other _	r 🔲 Rotary le	find M. Cable	74.4		· ·	WATER LEVE	<i>J</i> :	
(4) PRO Domestic	POSED USE			-	SH f	i. below land surface.  Ib. per so		te_4-
Thermal	Community Injection	y	Itrigation			BEARING ZON		e
(5) BOR	E HOLE CON	STRUCTION:			at which water w	as first found _ 88	To 94	
	Yes No		Completed Well 19	2 11	From	То	Retirement Fix	ow Rate
Explosives use			nount	— II—	180	94	304	PM
Diameter Fr	om To M	SEAL aterial From	To sacks or post	ads	4 8		70	
	+B	2 Brownite	ZD 3330	(12)	WELL LO	G:	10	
6 2	2/90			_ _		Ground elevati	From	T =
How was sent pl	aced: Method	A DB DC	] D П в		P 8011		Pion	To
	ured the	rough Side	Dall 1711	< 11 h		elar Lty elar	7	12
Gravel placed for	om 100 ft. to		Comento B	RI RI		clar	32	32
(6) CASII	G/LINER:	7.07 ft. Size of gr	avel <u>24 — Mil</u>	14.5	ay cla	7	56	60
Diam.	ter From To	Gauge Steel Ple	stic Welded Three	sed Rea	He Gran	wa Sandy 6		66
	7///	0 250		20		134	8#	88
Plastic	2 +1 70			874	y Silty	- W D F V O	88	96
iner:		<del></del>		3/4	AT GTA	city	96	108
				Dar	Ke 1370	wa clas	152	152
inal location of				- Redi	sh Brow	n Gelty Sand	(aced) 170	180
(7) PERF( 2-Perform	PRATIONS/S	CREENS:			E-PLS D 7 2	UTY SANdeek	150	190
. Screens		a Star 17+11	terial_	- 1	10E 41 0-0			
_	Slot	Tale/ni	120000000	16	100 ft 2	s Side Pri	11ck	
200000		er Diameter sine	Casing Liner	620	Kto Tol	=t 2 2% in	Mactie	
75 95	14x 12 17	5 6		1811	face F	was brough	.t Zo	
	1-1-	+			7014 //	0 44 149	grave!	-+
N 999999				Date start				-90
D) WELL!	rests: <u>Mini</u>	mum testing time	is 1 hour	(unbone	led) Water Wo	all Constructor Cert	ification:	
Pump Yield gal/min	☐ Beiler	Air	Plowing Artesian	abandom	nent of this w	work I performed on cell is in compliance	with Oregon w	ı, altera el consi
50	Deawdown	Drill stem at	Time		e and belief.	d and information rep	orted above are	true to 1
36	C:6		17ter	Signed _			WWC Num	lber
					Water Wall	Constructor Certific	Date	
expositive of wa so a water analys	170-750	- Depth Artenian F	ow Found	.) T 869	Marie Triburarennistra	Stre Can Alexander		t ahendo
il any strata cont	ain water not enitable	By whom	Then Beel.	- Work Dez	formed during	this time is in	occión dates rep	orted abo
Selly   Musi	dy 🗆 Odor 🗀 Co	ologied Other	-wate	belief.	on standards.	This report is true to	The best of my	promped
pth of state:			: :: .	Signed	Jahn	w Beak	WWC Number	. —
THE PARTY OF PARTY	FI CUPY - WATER	RESOURCES DEPAR	THERE SEC	OND COPY - O	ONSTRUCTOR	THIRD COPY		

THUED COPY - CUETOMER

# HEGEIAPP

STATE OF OREGON	JUL 18	1088	/ CLAU	-7	15/16	-25	* *
WATER WELL REPORT (as required by ORS 537.765)	ייים אונים	IRCES DEPT.	1254	START CARD) #	3979		<u></u>
(1) OWNER:	CALEMBU	ARREST A CONTRACTOR	(9) LOCATION	OF WELL by l	egal descri	otion:	
Name Laurence Wald	ch			Latitude			7
Address 28551 S Crame			Township 4S	Nor S. Range 1	.E	E or W	
	State Or	Zip * 9 7 6 生 3	Section 25	NE 14	SE 4		
(2) TYPE OF WORK:	_	97038	Tax Lot	Lot Block	kSu	bdivision_	
	Recondition	Abandon	Street Address of V	Well (or nearest address)	28551 S	Cram	er
(3) DRILL METHOD			MOTATIA	, Or 970	38		
Rotary Air Rotary Mud	☐ Cable		(10) STATICY	VATER LEVEL:			
Other				below land surface.		e <u>7/</u>	14/8
(4) PROPOSED USE:			Artesian pressure	lb. per squ		a	
Domestic Community		rigation		BEARING ZONE			
	Other						
(5) BORE HOLE CONST			Depth at which water wa	s first found8	4'		
Special Construction approval Yes I	No Depth of Com	pleted Well <u>140</u> ft.	From	To	Estimated Fi	ow Rate	SWL
	Amoun		84 '	87!	3.0 (	PM.	18 '
HOLE			111'	119'	20	11	18'
Diameter From To Mater	SEAL rial From T	Amount o sacks or pounds	121'	140 '	40	11	18'
_10"   0   19   ceme		9 1 17 sacks					
6" 19 140			(12) WELL LO	G: Ground elevati	on		
				Material	From	To	SWL
<del></del>			Ton soil			1	- 5112
How was seal placed: Method A	□в ⊠с □р		Clay, brow	ท			<del>                                     </del>
Other			Clay blue		19		
Backfill placed fromft. to	The second secon		Gravel, co		31		
Gravel placed fromft. to	ft. Size of grave	l	Clay, sand				
(6) CASING/LINER:			Sand, brow		84	87	18'
Diameter From To  Casing: 6 11 + 18 1 1 1 8 1	0 m h — —		Gravel, co		87	92	
Casing: U   TIO   IIO			Clay, brow		92		
			Gravel, co			108	
			Clay, brow			1111	
Liner: 4"PVC 108 140			Gravel, con			119	18'
			Clay, blue Gravel, co			121	1.5
Final location of shoe(s)1	18		GLAVEL, COI	npac v	121	140	18,
(7) PERFORATIONS/SC	CREENS:						
Perforations Method						+	<del>                                     </del>
☐ Screens Type	Mater	ial				1	
Slot	Tele/pipe	_				1	
	Diameter size	Casing Liner					
121 138 1/8 30 X		- 8 <b>-</b>					
		- 🖺 💆					
8"	<del> </del>						**
		. 🗀 🗀					
			Date started 7/1:	1/88 Comp	leted <u>7/14</u>	/88	
(8) WELL TESTS: Minim	um tostin - tim - '		(unbonded) Water V	Vell Constructor Cer	tification:		
		5 1 hour Flowing	I certify that the	work I performed on	the constructi	on, altera	ation, or
☐ Pump ☐ Bailer	02 Air	☐ Artesian	abandonment of this standards. Materials u	Well is in compliance	with Oregon	well cons	truction
Yield gal/min Drawdown	Drill stem at	Time	knowledge and belief.	oce and into memori 16	ported above a	re true to	my best
60	138 '	1 hr.			WWC Nu	mber	
			Signed		Date		
			(bonded) Water Well	Constructor Certifi	cation:		
Temperature of water54	Depth Artesian Flo	w Found	I accept responsil	pility for the construct	ion alteration	or aband	lonment
	_By whom		work performed on thi	8 Well during the const	rection detec -	montad al	hanna -17
Did any strata contain water not suitable			work performed duri construction standards	ng tuns tume is in . This report is true to	compliance with the compliance with the best of m	th Oreg	on well
Salty Muddy Odor Co	lored 🛘 Other		belief.	2//	/) WWC Nu		
Depth of strata:		٠ 🖫	Signed Clorge	Mainer	Date 7		
ORIGINAL & FIRST COPY - WATER	RESOURCES DEPART	MENT SECON	D COPY - CONSTRUCTO	R THIRD COP	Y - CUSTOMER		809C 3/88

THIRD COPY - CUSTOMER

TIAY 26 1988

STATE OF OREGON WATER WELL REPORT (as required by ORS 527.765)

WATER RESOURCES DEPT SALEM, OREGON

ELAC	Mel	IE-	26
1250	-51	72	70

(1) OWN	TER.		SOFO:					
	lov Miller	, <u>, , , , , , , , , , , , , , , , , , </u>	Vell Number 3970		N OF WELL by			
	0581 S He			County Clac	k Latitude	Longit	#de	
City C	anby	State ()	r <b>Z</b> 9701	3 Township 4S	Nor S, Range	1E	Bor	W, W1
(2) TYP:	E OF WORK:			Section	NE X	<u>SW</u>		
New Well	Deeperi	Recondition	- [T] Ab3	Tax Lot	Lot Bloo Well (or nearest address)	ckSui	division	
	L METHOD	- Incomplete	- Augmoon	Street Address of	Well (or nearest address) Or 97013	10581 S	Hei-	lz ]
	☐ Rotary Ma	a' ∏ čas	,				<u> </u>	
Other _		LI ORDE		(10) STATIC	WATER LEVEL	i i		_
(4) PROI	POSED USE:			= 17' h	below land surface.	Date	4/	27,
Domestic			Irrigation	Artesian pressure	Ib. peraqu	sore inch. Date		
☐ Thermal	☐ Injection	Other	Trusparion	(11) WATER E	EARING ZONE	S:	11	
BORE	HOLE CON	STRUCTION		Depth at which water we	s first formal 5	21		
Special Constru	ction approval Yes	No Danish and	Completed Well 80	fr. From				
	Yes No 🗆	E Deptitor		52	To	Retimated Flor		72
Raplosives used	∐ LZ Type	, Am	ount	57	55'	10 G		12
HOL		SEAL	Amount	37.	801	50 G	PM	17
Diameter Fre		erial From	To sacks or pounds					<del></del>
6" 19	1801	16.10   0   1	9' 22 sac	(12) WELL LO	0	· ·		
				- (12) WELL LUI	Ground elevation	on	2	
8		28 69			Material	From	То	SW
How was seal ple	ced: Method	а 🗆 в 🗷 с 🗆	- FI-	Top soil		0	2	1
Other				Clay, brow		2	24	_
Backfill placed fr	omf_ to _	ft. Material		Clay, blue	A P	24	35	
Gravel placed fro	EnfL to _	ft. Size of gra		Gravel, cla	y, medium,	br. 35	52	
(6) CASIN	G/LINER:			Gravel, co	mpact	52	55	14
Diame	ber From To	Gappe Steel Plan	tic Welded Threaded	Gravel, cl		55	57	
Casing 6 "	+16 759	250		Gravel, co	mpact	57	80	17
	81				60		al a	
<u></u>					1 10			
1	2 21 2 20			1.				
Liner: 5 H	49 80	250 🖫	<b>1</b>				100	
-			ā ä					
		59 <b>'</b>						
PERFO	RATIONS/S	CREENS:						
2 Perform		torch						
☐ Sometime			orial					
	Slot	Television	,	0. A				
78	1/4 20	Diameter size	Casing Liner					
770	X X		_ · □ · <b>科</b>			100	+	H.
12	6"						10	
		<del> </del>	_ 😃 🗀	. 10		<del></del>		
1 22		<del>  </del>	- 📙 -				<del></del>	
		<del> </del>		Date started 4/25	/88 Comple	ted 4/27	/80	
S) WEIT	MESTE NE:							
		num testing time	is 1 hour Flowing	(unbonded) Water We I certify that the v	ork I performed on t	the commenced		
☐ Pump	☐ Bailer	Air	Artenian					
Yield gal/min	Drawdown	Drill stom at	Time	standards. Materials use knowledge and belief.	d and information rep	orted above are t	rue to r	ny bes
60		76 1	1 kg.	- Land Deller		WEIG N.		
			1 ===	Signed		WWC Numb	et	
	:			(handed) West				
emperatore of wat	54	Depth Artesian Ple	Power	(bonded) Water Well C	onstructor Certific	ntion:		
Vas a water analysi	is done? 🔲 Ýes	By whom		The second contract of	ity for the constructional construction			
id any strata cont	oin water not enitable	for intended one?	Too Billie					
Selty D Mode	dy 🗆 Odor 🗀 .Oo	loced 🗆 Other		construction standards.	THE PROOF IS true to	the best of my i	cowled	ge and
aptib of stratu:				Signed Glorica	Maurin	Numb		
HITE COPIES -	WATER RESOURCE	ES DEPARTMENT	VELLOR				28/8	<u> </u>
		4 FARRIS 24025	EMILLOW CO	PY-CONSTRUCTOR	PINK COPY-	CUSTOMER		2020

# STATE OF OREGON WATER WELL REPORT (as required by ORS 537.765)

# RECEIVED

JUN 1 0 1993

*	1/-11- /2/1	-
	75/1E/260	6
(STAR	T CARDY #367/9	

ROLE   Dismyter Form   To   Material   From   To   Seeds or pounds						WITH THE CONTRACT OF THE CONTR	срт	14			
Name   Most   Most   D.   Not   No	M) OTTO				120 WAI	HK KESOURCES DE					
Address 3 2 7 3   Elicho   No.	(I) OWNER:	10 1	Well 1	Number	120	SATEROCATIONA	DE WELL by lega	il descri	iption:		
Size OR   Zie 79.15	Name V 104 NO	ud D- No	TZIGEY								
Section 2   SE   W SE   W Section 2   Se	Address 2887	13 S. Elie	shay Rd		32	Township H	N or Range	i		Ehr V	v. wm.
Street   Despen			State	ο₽	Zin 970/9	Section 2/a		14 SE	= ,	٠	
G) PRILL METHOD:   Cable   C					31P 1 7 0 1 3						
Go National Color					4,	Tax Lot 1400	_LotBlock	000	Subdi	vision	42 \
Status   Castary Mark   Cable   Cher   Che			Recondition	A	bandon	Street Address of V	Vell (or nearest address)	2887	<u>ع . د ځ</u>	lisha	Ka
Other   Othe	(3) DRILL M	ETHOD:								_	
Other   Othe			Cable	•		(IO) STATIC WAT	TER LEVEL.				
APPENDED USE:	_	L Rotary Midd	L Cable			24	COR DEVEL.		_	e 11	-02
Dementatic   Community   Industrial											
Depth at which water was first found   Depth   De				-				quare inch	. Date		- 83
Depth at which water was first found   Depth   Dept	Domestic [	Community	Industrial	X Irriga	tion	(11) WATER BEA	RING ZONES:				
Commonweal   Property   Property   Commonweal   Property   Commonweal   Property   Property   Commonweal   Property   Commonweal   Property   Common					* -	1 ` ′					
Special Construction approval   Yes   No Type   Amount   Yes   No Type   Yes   Y						Death as which are	- An				
Replace   Prom   To   Baltimate Prov Rec   Sept   Prom   To   Baltimate Prov Rec   Sept   Prom   To   Sept					245	Depth at which water	was first found 10				
BIOLE   Diampter From To   Material   From To   Sect   Property   Diampter From To   Sect   Property   Diampter From To   Sect   Diampter From To   Sect   Diampter From To   Size of gravel   Diampter From To   Size   Diampter From To   Size   Diampter From To   Size   Diampter From To   Diampter From To   Size   Diampter From To   Diampter Fro											
Diameter   From   Do   Diameter   Diamet	Explosives used	☐ Yes 🔼 No Ty	ype	_ , , ,Am	ount						SWL
Diameter   From   Do   Diameter   Diamet		3, 422	-			90	144	75	GP	M	141
1	Diameter Poor	The I Make at	SEAL F	m.							
Common   C	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 Carrett		10 A	75 each	345					201
Compaction   Control   C	1011 2	201 CEMEN		J 02 ()	10 3000	1 303	U		UUT	11	<u> </u>
How was seal placed: Method   A   B   B   C   D   E	10 70	200		20		L	<u> </u>				<u></u>
How was seal placed: Method   A   B   B   C   D   E				<u></u>	L ***	(12) WELL LOC					
Now was seal placed: Method   A   B   K C   D   E					1	(12) WELL LOG		•:			
Color   Colo	***************************************				<u> </u>	**	Ground eleva	uon		···-	
Backfill placed from ft. to ft. Material Casing In the file of the planeter from ft. to ft. Size of gravel (c) CASING/LINER:  Diameter from ft. Size of gravel (c) CASING/LINER:  Diameter ft. Siz				: LJD	LIE 🔍	1					
Gravel placed from ft. to ft. Size of gravel  (6) CASING/LINER:  Diameter From 10 Gauge Steel Phastic Welded Threaded Casing: 10" 118" 32.0 250 8							Material				SWL
Gravel placed from ft. to ft. Size of gravel  (6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded Casing: 0" 18" 320 250 8	Backfill placed fro	m ft. to	ft. Mate	rial _		Tap Soil			0	2	
(6) CASING/LINER: Diameter   Story   To Gauge   Steel   Plastic   Welded   Thrended									2		
Dameter   From   To   Gauge   Plastic   Welded   Threaded   Carl   Drown   1944   176   Carl   Drown   1944   19	(6) CASINICA	TATED.	11. 3125	M RIGACI			b C	· · · · · · ·			<del> </del>
Casing: 10			5		2 2 2 28	Licratizance	promy ting				<del> </del>
Clay blue   176   238	Diameter	From To	Gauge   Steel	Plastic V	Welded Threaded	laravel com	wacted		38	144	41
Clay blue   176   238	Casing: 10"	M8" 320.	250 🛛			Cay brow	o in		144	176	
Clay Sand blue fine   240   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   284   294   284	3					Class block	2			228	
Clay blue   240 284   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284   294   284				H		Cay olas					
Clay San blue fine   284 294   294 305   320   386   386		<del>                                     </del>		닏		SOURCE DIOCK	tine				127
Some				$\Box$		I clay blue					
Perforation of shocks   320   305   320   38     Perforations   Method   Type   Material   Tele/pipe size   Casing   Liner     Prom To   Size   Number   Diameter   Size   Casing   Liner     Pump   Bailer   Air   Artesian   Time     Pump   Bailer   Air   Artesian   Time     Pump   Bailer   Air   Artesian   Time     Thr.   320   320   38     Promoded   Water Well Constructor Certification:   Learning that the work I performed on the construction standards. Material used and information reported above are true to my best knowledge and belief.     Pump   Bailer   Air   Artesian   Time   Air   Artesian   Artesia	iner:		=			Law sont	blue fine		284	294	
Same Shore   Same   S						Claud hlise					
Perforations   Method   Screens   Type   Material	Neel leaster of	327					المامال				
Perforations	CO DESTRUCTION OF S	IIUC(5)	20070			POMENTONE	UIOCE		SOC	1240	20
Screens   Type   Material		2		882		I			ļ		
Screens   Type   Material	Perforation	ons Method						0 0 0	<u></u> _		
Solution   Size   Number   Diameter   Size   Casing   Liner	☐ Screens			Material				FEE	1711	D	
Solution   State   S									1 V I	U	<del>                                     </del>
DEC = 31993   WATER RESOURCES DEPT   SALEM OREGON	Reom To				Cooling I !						<u> </u>
WATER RESOURCES DEPT	, rom 10	prec Manager	Distincted	SEE	casing Liner	I <del></del>		( <del></del>	9	<b>.</b>	
WATER RESOURCES DEPT					. 🗆			IEU -	<u> 3 199</u>	5	
SALEM ORLEGIN   SALEM ORLEGI											100
SALEM ORLEGIN   SALEM ORLEGI			<u> </u>		H - H -		TAW	R RES	<del>purci</del>	P PF	1.
Date started 4-10-93   Completed 5-11-93		<del>                                      </del>	<del>  -</del>	<del></del>		l <del></del>	ALCII	CAI FM	ORE	<del>LON</del>	
Pump		1 / 1 / 1						۱۷۱ ساساس			
Pump											
Pump	(O) XX	0000 3.51 :			01020						
Pump	(5) WELL TE	SIS: Minimun	ı testing tim	e is 1 h	our		65	W	6.11	42	
Pump Bailer Air Artesian  Yield gal/min Drawdown Drill stem at Time    1 hr.   3 19   32 MrS	_	··· _			Flowing	Date started 7-10	- 7.5 Co	mpleted 🚅	2-11-	7.5	
Time   I certify that the work I performed on the construction, alteration, or abandoment of this well is in compliance with Oregon well construction standards. Materiused and information reported above are true to my best knowledge and belief.    Time	☐ Pump	Bailer	X Air	[		(unbonded) Water We	ell Constructor Certific	ation:			
Temperature of Water Depth Artesian Flow Found Signed Date Depth of strats: Depth of strats: Date Signed	-	_	_						ion, alter	ation. or	abandon-
1 hr.   Signed   Si	Yield gal/min	Drawdown	Drill stem	at	Time	ment of this well is in c	ompliance with Oregon	well const	truction s	andards	Materials
Signed   S	<u> </u>	·		- F	1 L-						
Signed	-502		2:4					,		J	
Condition   Colored   Co	ںں جے		314		and Mrs				WWC N	lumber _	
Condition   Colored   Co			L			Signed			Date		
I accept responsibility for the construction, alteration, or abandonment work properties of water analysis done?  Yes By whom							_				
Was a water analysis done?	T	54									0.9
Did any strata contain water not suitable for intended use? Too little  Salty Muddy Odor Other  Depth of strata:  Signed WWC Number 27	-			n Flow Fo	und	I accept responsibi	lity for the construction,	alteration	, or aban	donment	work per-
Salty Muddy Odor Colored Other  Depth of strata:  Signed Robert Kern  Date 6-8-93	Was a water analys	sis done? 🔲 Yes	By whom		E 555	formed on this well dur	ing the construction date	es reported	i above. A	II work r	erformed
Salty Muddy Odor Other Signed WWC Number 277  Depth of strata: Signed Si	Did any strata con	tain water not suital	ble for intended	use?	Too little	during this time is in co	mpliance with Oregon w	ell constru	uction sta	ndards. T	his report
Depth of strata:					77	is true to the best of n	ny knowledge and belie	t.	Whice i	Manakar	077
ODICINIA A TIDAM CONT. STUTING DESCRIPTION OF THE PROPERTY OF		C001 LJ	Coloied L. (	Odiet		Vlat	Van. 1			~ ~	<u>ー・/</u>
ORIGINAL & FIRST COPY - WATER DESCRIBERS DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER : ASSET TO			- t-t			Signed A MUNICIPAL	New		Date 6	0-5	
AND COLL - HATEL MEDOCINED DELIMINATION - DECOMP COLL - CONTOURS - AND MAKE AND	ORIGINAL & FIR	RST COPY - WATE	R RESOURCES	DEPART	MENT SECO	ND COPY - CONSTRU	CTOR THIRD C	OPY - CU	STOME	R ' 9	809C 70/91

# RECEIVED

JUN 2 4 1998 WATER SUPPLY WELL REPORT 53430
(as required by ORS \$37.765) WATER RESOURCES DEPT.WELL LD.# L\_\_ START CARD# 44-116-42/ contractions for completing this report are on the last page of this form. SALEM, OREGON (1) OWNER: Well Number 26 - 98 (9) LOCATION OF WELL by legal description: Hogland S. E No Butch County Clarkson GS Laterdo Elisha Road Longitude 29476 sakip 44-5 N or ORange BO W. WM. Canbu Section 310 Za97013 NW 14 NE 14 (2) TYPE OF WORK Tex Lot 701 Lot Block New Well Despensing Alteration (repair/secondition) Abandonment

(3) DRILL METHOD: 29476 5. Address of Well (or nessest addre Canbu OR Rottery Air Retary Med Chile Anger (II) STATIC VARIETY AND A below land surface. (4) PROPOSED USE: | Community | Industrial | Thorneal | Injection | Livertock |
| Sore Hole Construction: (II) WATER BEARING ZONES. \_ Inigation Other Dopte at which water was first found No water observes Special Construction approval Wes No Dopth of Completed Well OR Special Communication of Type Biglionives used Yes No Type SEAL From **Estimated Flow Rate** 3-feet 0 24 Concrete (12) WELL LOG: Mothod A B C Ground Hievation R comboskhoc and coment truck Backfill placed from Material SWL Gravel placed from ft. to Size of gazrel The well was filled with (6) CASING/LINER CAMPETE. Final location of shoc(s) (7) PERFORATIONS/SCREENS: Perforations Mathod STEINMAN BROS. BRILLING CO. Screen Type Half-Drilling Con 3023 S.E. Holly Avenue Brezukie, Gregon 9722 (E) WELL TESTS: Minimum testing time is I hour Date stanted 6/22/48 Plowing Artesian Par **Deiler** ☐ Air Yield galing The Steinmon Gros. Drilling Co. Depth Astering Flow For s a water analysis done? To By whom Did any streta contain water not suitable for intended use? Too little Salty Minds Oder Colored Other ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER. Ronald F. Mc Connell

Buden Hogland PLOT PLAN RECEIVE JUN 2 4 1998 WATER RESOURCES DI SALEM, OREGON SBD6. #26-98 W-116421 APPROVED PLOT PLAN: Seo 4/17/98 SBDCe# 37-98 **Building Permit or Building Permit Application Number** Start Card # W-116421 and - 116420

Depth of strata:

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

# STATE OF OREGON

	2	7	9	2
<u></u>	l	8		48

AUG 1 8 1993

KECFIAFA

5/14/366

WATER WELL REPORT (as required by ORS 537.765) WATER RESOURCES DEPT (START CARD) # 47738 SALEM. OREGON (1) OWNER: Well Number (9) LOCATION OF WELL by legal description: Name PETER EFIMOV/JOREPH NOVAK County CT\_ACKAMASLatitude Longitude Address 1314 S. EBY RD. Township 4S N or S. Range 1E CANBY 97013 NIE 4 NW (2) TYPE OF WORK: Tax Lot 400 Lot Block Subdivision XX New Well Deepen Recondition Street Address of Well (or nearest address) 11314 S FRY RD (3) DRILL METHOD: CANBY OR Rotary Air Rotary Mud XX Cable (10) STATIC WATER LEVEL: Other\_ 20 ft. below land surface. (4) PROPOSED USE: Artesian pressure \_\_\_\_ \_\_ lb. per square inch. Date\_ ☐ Domestic ☐ Community ☐ Industrial XX Irrigation ☐ Thermal ☐ Injection ☐ Other (11) WATER BEARING ZONES: (5) BORE HOLE CONSTRUCTION: Depth at which water was first found \_\_\_\_\_\_11 Special Construction approval Yes XXNo Depth of Completed Weil 146 ft. Explosives used Yes KI No Type From To Estimated Flow Rate SWL Amount 11 5 HOLE Amount Material er From sacks or pounds 147 20 32 CEMENT 10 0 25 SACKS 32 6 147 (12) WELL LOG: BENTONITE CRANDLAR PLACED IN TOP 1 FT Ground elevation \_ How was seal placed: Method ☐ A ☐ B XX C ☐ D ☐ E ☐ Other Material From SWL To Backfill placed from ft. to ft. Material TOP SOIL Gravel placed from\_\_\_\_ fit to\_\_\_\_ fit. Size of gravel CLAY BROWN 11 (6) CASING/LINER: CLAY BROWN SILTY 11 14 Mounter Ъ Threaded CLAY GREY STLTY 22 14 +1.5 146 XX XX CLAY BLUE 22 28  $\Box$ . . 📙 . 🗆 CLAY BLUE W/GRAVEL 28 31 GRAVEL W/CLAY BRN 31 63 CLAY BRN 63 64 Liner: . GRAVEL CEMENTED 64 80 GRAVEL LOOSLY CEMENTED 80 84 Final location of shoc(s) \_\_ GRAVEL CEMENTED 84 111 (7) PERFORATIONS/SCREENS: CLAY BRN 111 112 XX Perforations Method MILLS KNIFE GRAVEL CEMENTED 112 134 ☐ Screens \_ Maierial CLAY TAN 134 136 GRAVEI, & CI.AY 136 147 From Th Westerberg Drilling, Inc. 78  $3/8 \times 3 360$ XX 36728 S. Kropf Rd. Molalia, OR 97038 829-2526 (8) WELL TESTS: Minimum testing time is 1 hour 7-15-03 Completed \_ Flowing XX Pump ☐ Bailer ☐ Air Artesian (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandon-Yield gal/min Drawdown Drill stem at Time ment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief. I hr. 43 31 3\_HRS WWC Number \_ Signed . (bonded) Water Well Constructor Certification: Temperature of Water 55 Depth Artesian Flow Found I accept responsibility for the construction, alteration, or abandonment work per-Was a water analysis done? Yes By whom NO formed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the left of my knowledge and belief. Did any strata commin water not suitable for intended use? 

Too little Salty Muddy Odor Colored Other\_ WWC Number 688

Date \_7-31-93

53186

# RECEIVED

APR -7 1998

THE A STATE OF THE PARTY AND ADDRESS OF THE PA	120		·			
WATER SUPPLY WELL REPORT	WATER RES	OURCES DEPT.		8716		
(se required by ORS 557.765)  Instructions for completing this report are on the lar	2K/243-0	ratma, inc.	START CARD#	10236		
	^-	1				
(1) OWNER: Name Florence Walch	mber		WELL by legal descr			
ddress 11743 S. Barnards Rd.		CommtClacka	mas Latitude		ongitude_	
my Molalla State OR	2 97038		N or S Range 1			W. W
TYPE OF WORK	201036	Section 36 Tex Lot 2100		SE	_ 1,4	
Now Well Decreasing Alteration (repair/recondi	tion)  Abandonment		Let BlockBlockBlockBlockBlockBlockBlockBlockBlockBlockBlockBlockBlock		acitivision	
DRILLMETHOD:		Rd.	T ketomen stomens m) ne	olall	Bar	nar
Rotary Air Rotary Mind Cable Au	etr	(10) STATIC WATE	R LEVEL:	71911	a. Ur	
Other Holte			low land surface.		Date 3 _ 2	0_0
) PROPOSED USE:		Artesian pressure	lb. per aquare	inch.	Date	
	irrigation	(11) WATER BEAR	ING ZONES:			
Thermal Injection Livestock 5  5) BORE HOLE CONSTRUCTION:	Other					
pocial Construction approval [ Yes [No Depth of Con		Depth at which water wa	s first found 19			
	mpienia wen <u>39 s</u> . mount					
HOLE SEAL		Peres.	To		d Flow Rat	
unster From To Material From To	Stells or pounds	13	39		10,000	
0 0 19 Bentonite 19 0	8 sacks					
19 39				-		_
		1				
	(a)	(12) WELL LOG:				
	C D DB		Blevation	**		
Other poured the factor of the						
		Materi	The state of the s	Prom	To	SW
avel placed from ft. Size of CASING/LINER:	gravil	Clay brown		-0-	19	-
Dismeter From To Gauge Steel Plants	Webled Threaded	Clay brown	# gravel	19	35	-
6 +2 38250		Gravel med		35	39	20
						-
	<u> </u>					
None						
PERFORATIONS/SCREENS:						
Perforations   Method	-1-1					
Slot Slot Standard			<del></del>	-		
None Rember Blander sta	Costes Marie			-		
		Skyles	Drilling, inc.			_
			Molalia Ave.	1		-
			Sity, OR 97045			
			6-2683			
- Constitution of the Cons						
THEFT I PRODUCED. BUT I WAS A STATE OF	r	Date started 3-20-	Q.R. Complet	ad 3_20	1_00	
WELL TESTS: Building testing time is 1 hour		(unbuncted) Water Well	Constructor Cariffication	D.		
	Flowing	I contify that the most l	performed on the constru	ction, altera	tion, or ab	ndonu
Penny □ Beiler ☑Air	Attenta	and delicated to the state of t	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	MAN WORK COM	struction s	andard:
Puncip Bailer MAir Yield gallarin Brandonn Brill stem at	Attesion	Of this well is in compliant	ation reported above on t	rac to the h	<b>12 CT 1111 1-</b>	
Pump Bailer MAir Yield gallerin Drywlenn Drill stem at	Attenta	of this well is in complian Materials used and influen- and ballet.	mice reported move the f	rac to the be	at of my p	
Puncip Bailer MAir Yield gallarin Brandonn Brill stem at	Attesion	Of this well is in compliant	,	WWC Num	<u>55</u>	3
Pump Bailer MAir  Yield galfeda Drawlova Drill stem at  22 38	Artesian Thus	Of this well is in compliant	,	WWC Num		3
Tital galilatio Describono Delli stam at  22 38  apperature of water 56 ° Depth Artesian Flow R	Artesian Time 1 lbc	Metatish used and inform and balici.  Signed Manual Water Well Co.  Granded) Water Well Co.	18/1	WWC Nee	<u>55</u>	23-9
Pump Bailer EAir  Yield galfests Drawdown Brill stem at  22 38  caperature of water 56 ° Depth Artesian Flow R  as a water analysis done? Yes By when Dry i	Artesian Thus Thus Thus Thus Thus Thus Thus Thus	Materials used and informal belief.  Signed Motor Well Co.  [necept suspensibility]	A Shafe	WWC Near	ber 55	3 23-9 Work
Pump Bailer FAir  Thild gallian Drawdown Brill stem at  22 38  caperature of water 56° Depth Artecian Flow R as a water analysis done? Five By when yeil  d any strata contain water not soliable for intended use?	Artesian Time 1 lbc	Metatishs used and information and balici.  Signed Materials Wester West Co.  Laccept responsibility: purformed on this west do	A Shafe director Cylification: or the construction, short	WWC Name	ndo 3-	23-9 Poek nek
Princip   Bailer   RAir	Artesian Thus Thus Thus Thus Thus Thus Thus Thus	Metatishs used and information and balici.  Signed Materials Wester West Co.  Laccept responsibility: purformed on this west do	anterester Cylification: iner the construction, about ing the construction with Or its in compliance with Or its report is true to the be-	WWC Name	ior 55	23-9 Work took

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the 8 1954TER WELL REPORT C12818 JUL STATE ENGINEER, SALEM 10, OREGON within 30 days from the date STATE E. Gift Leage type or print) of well completion. State Well No. State Permit No. . (1) OWNER: (11) WELL TESTS: Drawdown is amount water level is lowered below static level Nelson Burley Was a pump test made? 🗌 Yes 📋 No If yes, by whom? Yield: gal./min. with ff. drawdown after (2) LOCATION OF WELL: County Chackames Driller's well number 107 Baller test 20 gal./min. with /2 ft. drawdown after M (L) 14 5 14 Secretor 3 (- 1. 45 Ariesian flow g.p.m. Date Bearing and distance from section or subdivision corner Temperature of water Was a chemical analysis made? ☐ Yes Tim The May 1 (12) WELL LOG: Diameter of well below casing Depth drilled 57 [ ft. Depth of completed well 5-0 Formation: Describe by color, character, size of material and structure, show thickness of equifican and the kind and nature of the material in stratum penetrated, with at least one entry for each change of forms TYPE OF WORK (check): MATTERIAL Well Deepening | Reconditioning | Abandon | Topsoil Brown Chy If abandonment, describe material and procedure in liem 12. Clay Brown Sand (4) PROPOSED USE (check): Sand & Grayel (5) TYPE OF WELL: Domestic / Industrial | Municipal | Rotary | Driven | Jetted | Irrigation 🗋 Test Well 🗌 Other (6) CASING INSTALLED: Threaded | Welded 6 "Diam from O ft to 50 # Gage 17 CB \_\_" Diam. from \_\_\_\_ ft. to \_\_\_\_ ft. Gage . \_" Diam. from \_\_\_ \_ ft. to .... ....ff. Gego. (7) PERFORATIONS: Perforated! | Yes | No Type of perforator used Size of perforations in. by perforations from perforations from ... perforations from ... perforations from \_ \_ perforations from \_ \_\_ #L to \_\_ (8) SCREENS: Well screen installed? | Yes | No madurer's Name Type \_ Model No. . \_ Slot size \_ \_ Set from \_ Work started June 16 186 Stampleted June 17 Diam. \_\_\_\_ Slot size \_\_ \_ Set from \_ Date well drilling machine moved off of well (9) CONSTRUCTION: (13) PUMP: Well seed Material used in seal Benilonile Clay
Depth of seed 2 ft. Was a packer used? Yes Manufacturer's Name Mayers Were any loose strata comented off! | Yes W No Depth Water Well Contractor's Certification: Was a drive since used? Nes 🗌 No This well was drilled under my jurisdiction and finis report j true to the best of my knowledge and belief. Was well gravel packed? [] Yes [] No. Size of gravel: Gravel placed from \_ # To NAME DICK Tolleson Well-Chille Did any stratz contain unusable water \ Yes P 760 Address RTI BOX 268 MOLIND OF & Type of water? Depth of strain Method of sealing strain off Drilling Machine Operator's License No. (10) WATER LEVELS: [Signed] fi. below had surface Date the 17/69 Axtesian pressure lbs. for square inth Date Contractor's License No. 269 (USE ADDITIONAL MEDICES IF MICHEARY)

STATE OF OREGON MAR L 9 20	UI		Pa 1	al 2		
WATER SUPPLY WELL REPORT		WELLID. # L. 45 797				
(as required by ORS 537.765) WATER RESOURCE	S DEP			D# /37	2 35	
Instructions for completing this report Alach the tist	age of this form.		DESERT CAR	w #	<u> </u>	
(I) LAND OWNER Well Num	ber	(9) LOCATION,	NE WIEL L A	1.4. 1.4		
Name Fred Frolov		County	A MQ_SLatitude_	at description:		
Address 14376 Whiskey Hil	Rd	Township H = S	N or S Ran	1-5		
City Hubbard State OR	Zip 97037				E or W.	WM.
(2) TYPE OF WORK		Section 36	<u> </u>	<u> </u>	1/4	
New Well Deepening Alteration (repair/recondition	· Dahandan	Tax Lot			Subdivision	15
	4 C Abandonnen	Street Address of	Well for newest addre	(S) 1/825	S	
(3) DRILL METHOD:		Barnards	Ka Mola	114 OR	97	038
☐ Rotary Air ☐ Rotary Mad		(10) STATIC WAT	ER LEVEL:			
		31 Rt	elow land surface.		Date 2	6-6
(4) PROPOSED USE:		Artesian pressure _	lb. pc:	r square inch	Date	
□ Domestic □ Community □ Industrial ☑ Irrigation		(11) WATER BEAL	RING ZONES:			
☐ Thermal ☐ Injection ☐ Livestock ☐ Other	16			11 - 0	1	
(5) BORE HOLE CONSTRUCTION:	- 100	Depth at which water v	was first found	18.3 J	<u> </u>	
Special Construction approval  Yes No Depth of Comp	pleted Well-218 ft.	From	Te	Estimated I		
Explosives used Tyes E.No TypeAmou	unt	16.5	27		INA WHE	SWL
HOLE SEAL	*	10.3		2-3	- 8	8
Diameter From To Material From To Si	er pounds		7 4 7	950		
14 10		75	207	150	Y.	31
10 31 218	31		···			
10 31 010		[	7			9
How was scal placed: Method A B BC		(12) WELL LOG:	18		F 12	
How was seal placed: Method □A □B 層C	□D □E	The state of the s	nd Elevation			
D. J.Ch. J. C.						
C1-1		Mater	ial	From	To	SWL
	vel	Top Soil		0	4	
(6) CASING/LINER:	0.00	Brown Cl	au	4	12	
a 17 14 2 17 18 18 18 18	elded Threaded	Silty brow	un clan	12	14	
The state of the s		Gray Clas	, J	14	165	
1 1 1		Gray Clay >	gravel	16.5	23	
		Tight atai			~~	
		brown c		23	75	
Liner:		Cemented	aravels	75	76	
Display   Displa				v.th	75	
Drive Shoe used I Inside III Outside None	1	1 1 1			91	
(7) PERFORATIONS/SCREENS:				76		
Perforations Method Mills Kni		Brown Clay	un Clay		93.5	
D 6	75			93.5	94	
The state of the s			nclay	94	96	
From To - size Number Disputer		Med to larg	e grave	5		
186 206 7x2.5 360	essent Times	WITH Drown	Clay	96	118	
		Med to larg	e grave	2		
		with blue	clay	118	124	
	<u> </u>	Cont Ne	of Pa			
(8) WELL TESTS: Minimum testing time is 1 hour	[ 1	Date started 12-12	-00 - Com	pleted 2 - A	- 0	<del>,                                     </del>
Present Ci Bailes Ci d	Flowing	unbonded) Water Well C				
Years and the second se	3 ATTECHES	I centify that the work I				
xiesu gairmin Drawdown Drill stem at	Time	neal of this well is in comp	pliance with Oregon	water sumply well	construction	
	I DK.	tandards. Materials used a	nd information repu	ned above are true	to the best o	f my
150 121 ft	5hr	inowledge and belief.			<u> </u>	
		igned /	<b>3</b> .	WWC Namb		
Temperature of water 53 Denth Artesian Flow France	1.0				ic <u>7 -/2</u>	0/
The state of the s	·	bonded) Water Well Con				6
		I accept responsibility f	or the construction,	niteration, or aba	ndonment we	erk
Did any strate contain water not suitable for intended use?  Salty Muddy Dodge Doggerd Dogger	☐ Too little ☐ P	erformed on this well duri erformed during this time	ug die construction ( is in compliance wit	mes reponed abo	WC. All work	
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other Depth of strats:		costruction transferris. This	report is true to the	best of my know	-ppry well ledge and hel	ief.
September Mildle	1	#0	21	WWC: Numb	E 127	
		igned / LOTAL	MA	Dat	2-12	-01

## RECEIVED

CLAC 56596

	STATE OF OREGON -MAR 1 9	2001		Pg 20	12	
	WATER SUPPLY WELL REPORT (as required by ORS 537.765) WATER RESOUR	ance het.:		WELL I.D. #		
	Instructions for completing this report @AbicMe Of	REGON this form		START CAR	D# <u>137235</u>	
	(1) LAND OWNER WHILE		(A) I OCUMEON			
	Name I red - rolov		(9) LOCATION C	OF WELL by lega	description: Longitude	
	Address 14376 Whiskey H;		Township 4 -	S Non C Paris	1 1	
	City Hubbard State OR	Zp97037	Section 36	SE 1/4	ge <u>/ - E</u> E or W	. WM.
	(2) TYPE OF WORK		- Julius	Lot Blo		
	New Well Deepening Alteration (repair/recondit	ion) Abandonment				
-	(3) DRILL METHOD:	8 H .	Street Address of Barnard S	Rd Molal	la OR 978	38
	☐ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger		(10) STATIC WAT			
	Other		7,	selow land surface.	Date 2	1-0
	(4) PROPOSED USE:					
	☐ Domestic ☐ Community ☐ Industrial ☑ Irrigation	1	(11) WATER BEA			
	Thermal   Injection   Livestock   Other_					
	(5) BORE HOLE CONSTRUCTION:  Special Construction approval ☐ Yes ► No Depth of Con	716	Depth at which water	was first found		
	Explosives used Tyes & No TypeAm		From	To	Estimated Flow Rate	SWL
	BOLE SEAL	CHIR	1.0			
	Ninnetes W	Sacks or pounds				- 10
		to possess				
				•		
					, s	
- 1	How was scal placed: Method \( \text{\text{\$\sigma}} \) A \( \text{\text{\$\sigma}} \) R \( \text{\text{\$\circ}} \)		(12) WELL LOG:			
	How was seal placed: Method ☐ A ☐ B ☐ C	D DE	Grou	nd Elevation		
10	Backfill placed fromft. toft. Material		Mater	int T	France Pro	
	Gravel placed fromft. toft. Size of g				From To	SWL
	(6) CASING/LINER:		Hed to large		5	
	Pinned W	Welded Threaded	Cemented		124 131	- 55
•			Semi - Cemer	gravel	131 135	
	<del></del>			Clay gray	135 139	
	<del></del>		Tight Sand		139 149	
			Sandy gray	bue Clay	149 1565	
-	iber:		Grave 7 blue	clau	156.5 165	
D	Drive Shoc used   Inside   Outside   None		Blue - aray	Clas	165 169	14
F	inal location of shoc(s)			ravel	169 176	
(7	7) PERFORATIONS/SCREENS:		Course Sai	dearanel	176 181	
	Perforations Method	v.	Brown Cla		181 186	
	☐ Screens TypeMateri	리		with trace		7600
F	Slot Tele/pipe		of gray cl	24	186 191	
	Number Diameter size	Casing Liner	Loose Sand 1	grave	191 195	
_				grave!	195 200	1
				ay vareup!	200 203	
_				grave	203 207	
(R	WEST & SPECIES A SPECIES		Soft Gray	Clay	207 218	
(0)	WELL TESTS: Minimum testing time is I hour	Plowing 2	Date started 12-12	Comp	letted 2-6-0	
	Pump Bailer Air	☐ Artesian	unbonded) Water Well C			
_	Yield gal/min Drawdown Drill stem at	Time	I certify that the work I	performed on the cor	nstruction, alteration, or about water supply well construction	ton-
_		1 BT	immunts. Materials used a	ed information report	ed above are true to the best o	l my
_			caowledge and belief.	23		
			Signed / C		WWC Number 16 2	
Ter	raperature of water Depth Artesian Flow Four	ļ. <del>-</del>	honded) Water Well Con	describe Cartification		<u> </u>
Wa	is a water analysis done? Yes By whom				a: Meration, or abandonment we	₩ mate
Dic	any strata contain water not suitable for intended use?	☐ Too little	erionned on this well durin	as the construction de	Jesset 15 A second photogram 2000	H JK
	Salty Meddy Odor Colored Other	) P	errormed during this time:	s in compliance with	Oregon water supply well best of my knowledge and hel	·
Dep	pth of strate:	1.	11111	20	WWC Number / Z 7	3
		· S	igned Floyd	(App)	WWC Number 127 Date 2-12	-01
		COCCOCCO (1977)				

XIL

### STATE OF OREGON

WATER WELL REPORT





45/1E/36

(80 1 00	wired by O	ns 551.10	D)						START_CARD) #		<u> 239</u>	<del></del>
(1) OW1				··· "Ke	ll Num	ber 104		(9) LOCATIO	OF WELL by	legal o	lescri	otion:
Name	Rus			7.15	20 12	(+ +	(M) (R)	1			-	
Address		SE 5	5th					45	LatitudeN or S. Range	1E	_ Longitt	Eor
City	Port			State Or	) (i	Zip			NE		E	E or
(2) TYP	E OF W	ORK:							Lôt Bloc			
X New Well	□ <b>D</b>	eepen	Reconc	dition		aobas			Vell (or nearest address)			
(3) DRII								Canby.	0r 970		100	arry
Rotary Air		Rotary Mud		abla								
Other _			_ J. — `.	aus:				4.0	VATER LEVEL			990
(4) PRO	POSED	Tiem.						18ft.	below land surface.		Date	4/
Dumestic		mmunity	□ }		. :		-	Artesian pressure	lb. per squ	sare inch	Date	-
☐ Thermal	☐ .cu	ection _	□ ਨੂੰ	. L	Lrrigat	ion V		(11) WATER B	EARING ZONE	S:		
1							=	Depth at which water was	a	131	72	. (9
(5) BOR				-								
Special Constr	тетин аррга Хен — Х	in D	2	Depth of Co	uplete	d Well138	Lft.	From	То	Esti	nated Flo	w Rate
Explosives use				Amot		- 0 - 6	<u></u>	131	138		35	
HOL	Æ		250						9 5	- 8		
Diameter Fr		Mater	SEAI	_	То	Amount sucks or pour	nele					
10" 0		ceme		0 2		28 sac		2	3			
6" 2	0 138	- 7	- 4		1 1	.,		(12) WELL LO	G: Ground elevati	-		
			9 9	13			_			- TOI	_	
<u> </u>		7					7		Material _		From	To
Hier was seal p	laced: Metho	ad □ A	. □ B · f	<b>∃</b> c □	рΓ	l e'	_	Top soil			0	
Other		9 9		." 50		1		Clay, brow			2	<del> </del> ξ
Backfill placed	frem	ft. to	fL	Material	140		_	Clay, brow		<u></u>	B	12
Gravel placed for						×	- 1	Clay, brow	<u> </u>		12	22
(6) CASI				i i			=	Clay, blue			22	31
Diame	eter From	ш То	Gange   S	taal Plasti	. W	elded Thread		Gravel, con			31	118
Caring 6 H	+ 2	4 138			. "		aea		brown fi		118	131
	- ·	- 1	76 (4)					Gravel, sand	d, compacted			-
¥ <u> </u>								<del></del>	coars	e	131	138
- 10	15						- 1					<b></b>
Liner	9	S 6					- 1	<del></del>			. 6	
	100 g	ŢĪ.		5 5								
Final location of	shoe(s)	1	.38			0					- 13	
(7) PERF	ORATI	ONSIGO	PPEN	C.		o * .	= -					
Perfora			\#####################################						· · · · · · · · · · · · · · · · · · ·			
Screen		Method	<del></del>	Mate					7575			
- Aleen		Type	1111					<del> </del>		CP PT	1	
From To	Slot size	Number	Diameter	Tele/pip		sing Liner			2 1 1 2 1		.3	
		77			~		- 1		APR 23	*00*		
		14.			_		.		- MLV 5.2	1531	518	
- 1		14	4.1		_			11	FIER RESEARCH	م در تر	ED-	
		18			_		- 1			ON	EPI.	
								Date started 4/3/	104		4/2	124
		- 1		199			- 1				4/6,	/91
(8) WELL	TESTS	. Minim	no took	- A :	- T L		-	(unbonded) Water W				
			-			Flowing		I certify that the	work I performed on	the co	nstructio	n, alter
- Pump		3miler	Air			Artesian		abandonment of this va standards. Materials us	Well 15 in compliance ad and information w	with [	regon w	vell con
Yield gal/min	Drav	wdown	Drill	dem at		Time		knowledge and keljef.	ec one amortisción te	- POR COLL C	IDUVE ALL	: true to
	I.				40	1 hr.		/// 1	x /		WC Nur	
35	I		1	36		3 hrs	-	Signed Folket	1) Keen	D	de 4/6	3/91
			<u></u>	~~	+	U III'S	-   ;	(handed) Water Wall	Construction Constr	4.		
Temperature of w		4	. Deed	Artesian Pla	- P-		-	(bonded) Water Well  I accept responsib	Constructor Cerus lity for the construct	tion alt	mation 4	or ahea
Was a water analy		Dv.	By whom		- r cu		I ·	work performed on this	well during the const	ruction	dates re-	norted a
Did say strata es					Ter P	**	J 1	work performed durin	g this time is in	come l'	mce wil	th Ores
☐ Sealty ☐ May	ddy 🔲 Ö	in Col					- 1	construction standards. belief.	The minute is take t			
Depth of strate: _				##			-	HAMAS &	1 Warmen	udl	WC Nu	/6/9
ORIGINAL & FI	ST COPY	. WATED I		C DEPAR	-			organism and the second		E		0/3
				m maraget		1 200	DND	COPY - CONSTRUCTION	R THIRD COP	Y - CUR	COMER	1

NOTICE TO WATER WELL CONTRACTOR
The original and first copy of this report
are to be filed with the

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion. STATE OF OREGON State Well No. 45/15-3606

(Do not write above this line) C12804 State Permit No." T2/600 (1) OWNER: (10) LOCATION OF WELL: Name David Bernklau County Clackamas Driller's well number 125 27560 S. Elisha Rd Canby. Or. 97013 NW & NE & Section 36 T. 4S R 1E (2) TYPE OF WORK (check): Bearing and distance from section or subdivision corner New Well IX Deepening [] Reconditioning [ Abandon [] If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found Rotary Driven Domestic 🕅 Industrial 🖂 Municipal 🖂 Jetted D Static level 41 ft below land surface. Date8-3-79 Dug Bored [ Prrigation 🗆 Test Well 🗀 Other Artesian pressure lbs. per square inch. Date CASING INSTALLED: Threaded | Weided XX # to 110 # Gage .250 (12) WELL LOG: Diam from 0 Diameter of well below casing ... " Diam. from ... Depth drilled 130 ff. Depth of completed well 130 \_ ft\_ to ... " Diam. from ... Formation: Describe color, texture, grain size and structure of materials; £ .to \_\_\_ ft. Gage ... and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in PERFORATIONS: Periorated? 🗌 Yes 🔞 No. pesition of Static Water Level and indicate principal water-hearing strata. Type of perforator used MATERIAL Size of perforations From SWL in by Top soil 0 \_ perforations from \_ 2 ft to -ft. Clay, brown 2. 14 ... perforations from \_ Clay, blue ff. 14 22 \_ perforations from \_\_\_ Clay, gravel, blue, comp. 22 41 (7) SCREENS: \*Gravel, compact 41 Well screen installed? [] Yes [] No 123 Manufacturer's Name Clay, brown 123 125 \* Gravel, compact Type \_\_\_ 125 130 Model No. ... Slot size \_\_ .... Set from \_\_ \_\_fL to . \_\_ Slot size \_ \_ Set from \_ (8) WELL TESTS: Drawdown is amount water level is lowered below static level REGEIVED Was a pump test made? W Yes D No H yes, by whom? Driller AUC 1 1979 22 gal/min. with 26 ft drawdown after 2 hrs. WATER RESOURCES DEPT SALEM, OREGON Bailer test gal/min with ft. drawdown after hip. Artesian flow Lp.m. perature of water Depth artesian flow encountered ... .Æ. Work started 8-1 19 79 Completed 8-3 19 79 (9) CONSTRUCTION: Date well drilling machine moved off of well 19 79 Well seal Material used Cement Drilling Machine Operator's Cartification: This well was constructed under my direct supervision.

Materials used and information reported above are true to my Diameter of well bore to bottom of seal 10 best knowledge and belon. Diameter of well bore below seal \_\_\_\_\_\_ in [Signed] HOME! Number of sacks of cament used in well seal ... 8-3 **. <sub>19</sub>7**9 How was cament grout placed? Pressure grouted from Drilling Machine Operator's License No. . 22 ft. to land surface 837 Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is Was a drive shoe used? If Yes | No Pius ...... Size: location ..... true to the best of my knowledge and belief. Did any strata contain unusable water? Tes Mo B & G Drilling Type of water? (Arpe or mint) depth of strata Address 10030 S. Macksburg Rd Canby. Method of sealing strata off Ort Was well gravel packed? Tes No Size of gravel: Gravel placed from fi. in . 637 Date Contractor's License No. (UNE ADDITIONAL SECRETS IF RECESSARY) -

clac 35 WELL I.D.# 25003 STATE OF OREGON 104159 WATER SUPPLY WELL REPORT-125003 (as sequired by ORS 537.765) (START CARD) #\_ instructions for completing this report are on the last page of this form Well Number (9) LOCATION OF WELL by legal description: Butch Hogland Name Latitude 29476 S. Elisha Rd Township 36 Zip 97013 N or SaRange Сапру 14 (2) TYPE OF WORK Subdivision New Well Despening Alteration (repair/recondition) Abandonment Street Address of Well (or nearest address) (3) DRILL METHOD: Rotary Air Rotary Mod Cable Auger (10) STATIC WATER LEVEL: Augu Other ft. below land surface. Date (4) PROPOSED USE: lb. per square inch. Date |X Domestic Community Industrial (II) WATER BEARING ZONES: Irrigation Injection Livestock (5) BORE HOLE CONSTRUCTION: Depth at which water was first found Special Construction approval [ Yes ] No Depth of Completed Well Explosives used Yes No Type\_ Fran **Estimated Flow Rate** HOLE Jan 1 30 Belitorite Lich 200 Sects of Joseph Ks 30 (12) WELL LOG: placed: Method A B Granular Bentonite method How was seal placed: ПС **Ground Elevation** Backfill placed from fi to Material Material From To Gravel placed from ft. to ft. Size of gravel (6) CASING/LINER: Clay, brown, silty 10 10 Clay, grey 27 Free Top Grant Steel Cemented Gravel, brown 73 170 130 Clay, grey Cemented Gravel, grey  $\bar{\Box}$ Final location of shoe(s) (7) PERFORATIONS/SCREENS: Perforations Method Screens Type HEGENED SEP 0 1 1998 WATER RESOURCES DEPT. July 24 Aug 6, 1798 (8) WELL TESTS: Minimum testing time is I hour Completed d) Water Well Constructor Carliffcation Plowin Pump Bailer ☐ Air at the work I performed on the construction Whele galfush Drawdown There 18 Hr

Depth America Plow Found

Was a water analysis done? \_\_\_\_ I Yes By whom

Saky Moddy Odor Ocher

Did any strate contain water not suitable for intended see? 

[ ] Teo little

d above. All t

24 hand day well - Dry REPORTED IN STATE OF OREGON (START CARD) #\_4 WATER WELL REPORT (as required by ORS 537.765) (1) OWNER: (9) LOCATION OF WELL by legal description: Fleanor Li-County Clack Latitude \_ \_\_ Longitude . city onavieu Nors, Range DE " NW" (2) TYPE OF WORK: Tax Lot 100 \_\_ **L**ol\_ \_Block New Well Recondition ☐ Deepen Street Address of Well (or nearest address) (3) DRILL METHOD Carrey, OK Cother Other Rotage Mud Cable (10) STATIC WATER LEVEL: bandor ft below land surface. MO (4) PROPOSED USE: ☐ Community ☐ Industrial ☐ Irrigation ☐ Other ☐ Connection ☐ Other ☐ Other Artesian pressure \_\_\_\_ ☐ Domestic lb. per square inch. (11) WATER BEARING ZONES: 5) BORE HOLE CONSTRUCTION: Depth at which water was first found pecial Construction approval Yes Depth of Completed Well From Estimated Flow Rate X Explusives used Type \_ HOLE (12) WELL LOG: Ground elevation Material From To How was seal placed: Method DA QB DC QD DE Other Loured in Dr Backfill placed from \_\_\_\_ well that \_\_ ft. to \_\_\_ ft. Material Gravel placed from \_\_\_ \_ £. to \_ Size of grave! (6) CASING/LINER: Gauge Steel Plastic Welded Threaded  $\Box$ inal incation of shoe(s) 7) PERFORATIONS/SCREENS: ☐ Perforations Method \_\_ ☐ Screens Type . Material Slot Tele/pipe Number, Diameter Liner Date started 4-29-9 (8) WELL TESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration Flowing Artesian Punky. ☐ Bailer abandonment of this well is in compliance with Oregon well constru Air standards. Materials used and information reported above are true to m Yield gal/min Drill stem at Time knowledge and belief. Ihr. Signed . (bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandon work performed on this well during the construction dates reported above work performed during this time is in compliance with Oregon construction glundards. This report is true to the best of my knowledge

THIRD COPY - CUSTOMER

Did my strata contain water not suitable for intended use? 

Too little

☐ Saity ☐ Moddy ☐ Odor ☐ Colored ☐ Other

Depth of strate:

Yes By whom

STATE OF OREGON RECEIVED
WATER WELL REPORT RECEIVED
JUL 3 0 1986

(1) OWNER: MATER RESOURCES DEPT	(10) LOCATION OF WELL by legal description:
Address Z00% (RAPER RI)	Township AC Remarks
State Oregon	(Township is North or South) (Range is East or West)  Tax Lot Lot Subdivision
(2) TYPE OF WORK (check):	MAILING ADDRESS OF WELL (or nearest address)
New Well Despening Reconditioning Abandon L.  If abandonment, describe material and procedure in Item 12.	Same
(3) TYPE OF WELL: (4) PROPOSED USE (about)	(11) WATER LEVEL of COMPLETED WELL:
Rotary Air Defren Domestic Domestic Municipal	
Rotary Mud Dug Dirigation Thermal: Withdrawal Reinjection	Static level 23 fl. below land surface. Date [11] 1
Boxed	
(5) CASING INSTALLED: Steel Plastic Threaded . Welded	(12) WELL LOG: Diameter of well below casing 6 in. Depth drilled 165 ft. Depth of completed well 165
6 Diam from 0 It to 114 ft Genies 28	Formation: Describe color, texture, grain size and structure of materials; and show this and nature of each stratum and aquifer penetrated, with at least one entry for each cha
Diam from fit to ft. Gauge	formation. Report each change in position of Static Water Level and indicate pri- water-bearing strate.
LINER INSTALLED: Steel Pleastic	west-result straig.
Diam. from 165 ft. Games	TOPSOIL From To SV
II LIRIUS	GAV DOVE
(6) PERFORATIONS: SAM Perforated? Wes No	TO NOT THE PARTY OF THE PARTY O
in byin	CHERT GRAVE ROOM
180 perforations from 114 ft. to 164 f	CAY BROWN
perforations fromfi. tofi	CEPENT GRAVEL GREY
perforations fromfi. tofi	SAND STONE BLACK 139 144
(7) SCREENS: Well screen installed?   Yes  No	CEMENTED GRAVEL GREY 144 163
Manufacturer's Name	SAND BLACK 163 165
TypeModel No	100 100
Diam Slot Size Set from ft. to ft	PVC SLOTTED LINER/SCREEN SET & CASING PULLED BACK
Diann Slot Size Set from ft. to ft.	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	
Was a pump test made? Yes No If yes by whom?	
d: gal./min. with ft. drawdown after hrs.	
Tana	
Air test gal./min.with drill stem at ft. hrs.	
Bailer test gal./min. with ft. drawdown after his.	
Artesian flow g.p.m.	
perature of water Depth atesian flow encounteredft.	note: Depth measured from top of well (ie. 1' above ground lev
Special standards: Yes No 🖟	Date work started Jul 12 86 /completed Jul 16 P
Well seel - Material used Grant ar Bentanite	Date well drilling machine moved off of well Jul 15 19 5
Well senied from land surface toftft	(unbonded) Water Well Constructor Certification (if applicable):
Diameter of well bore to bottom of sealin.	This well was constructed under my direct supervision Materials
Diameter of well hore below seal in.	information reported above are true to my best knowledge and belief.
amount of sealing material pounds [7]	[Signed]
low was cement grout placed?	
	(bonded) Water Well Constructor Certification:  Bond S846546 Issued by Thomas Ram
Free recognised Fig. 10	(manufact) (Surety Common Name)
Type Depth R	On behalf of BECK WELL DRILLING
Vas a drive aboe used?	(type or print name of Water Well Constructor)
ype of Waster? depth of stanta ft.	This well was writted under my jurisdiction and this report is true to t
	best of my knowledge and belief:
fethod of sealing strain off  /as well gravel packed?   Yes   Yes   No. Size of gravel	(Signed) Jackery Sect
	(Dusted) (Wester Well Constructor)
	14,736
NOTICE TO WATER WELL CONSTRUCTOR The Efficial and first copy of this apport	WATER RESOURCES DEPARTMENT, SP-4686-6 SALEM, OREGON 57510

## WATER WELL REPORT STATE OF OREGON

014238

# RECEIVED

State Well No. 45/2E-

ATER RESOURCES DEPT.	State Permit N	o	161	103
SALEM ORFGON				ti.
(10) LOCATION OF W	ell:			
County Clackamas	Driller's w	أسيم الح	er 2	60
Translator W. N.E. 14 Section	10 T.45	R	28	
Address - 10 11 20 27	Đũ <sub>c</sub>		Subdivis	ion
Address at well location: 2827(	0.5. $Cro$	men	Rd.	
CUTO TOTAL	i, U.L.	970	173	
(11) WATER LEVEL: C	ompleted ·	well.		
Depth at which water was first found		. 9 -	63	
Static level 28 Artesian pressure	ft. below	land sur	face, Date	711
	lba. j	en aquar	e inch. Da	te
(12) WELL LOG: Diame	eter of well below	v casine	6	ar .
	EL 73			
Formation: Describe color, texture, gr fhickness and nature of each stratum for each change of formation. Report	win size and str	ucture o	f materia	
HE COCK Change of formation The	dance here	Strated, v Position	with at lea	st one
and indicate principal water-bearing a	trata.			AARTON. 1
MATERIAL	1 1	Fran	To	sw
Top soil	0.00	0		
Clay, brown	10.00	2		7
Clay, blue		18		1
Clay, sard, brown, f	ire	26	34	
Gravel, compact,	med.	34	59	1
Clay, brown		59	63	1
*Gravel, compact,	med.	63	127	
*Sardstore, black,	ack. Lr.	127	135	93
1 (2.02) 6/20		135	137	
*Sardstore, black, &		137	162	
- CAUCK L	ract.	162	170	
	-	-		
	74		<b></b> -	
	7 1			
		_		
William Control				
Work started 11/8 19 8	4 Completed	11	/17	184
Date well drilling machine moved off of we	10	11	117	
(umbonded) Water Well Construct This well was constructed under	tor Certifica	tion Gf	pro-li-	
This well was constructed under and information reported above are t	my direct sup	ervision	Materia	ibie):
and information reported above are t [Signed]		WATCH AND	oke and	belief.
	Di	ate	····, I	9
Bonded Water Well Constructor (	Certification:			
transferi 1860ed by:	merica	2 2×0	ites	
This well was drilled under my j he best of my knowledge and belief	urisdiction	el this	ape .	
		~ 4IB I	eport is	true to
(Person, firm or corporation)	Uirg_	M 00000000000		-
diress 19030 5 Mackal	runo Rd	Com	Qhea h	
rigned Delorge	la com	التابلغ السالد م. د السالد	77	QA
Water	Well Constructor		11	
Da	te	28	10	84
			, 40	

(1) OWNER:	
Name Ker Mari	<b>4</b> ,
City Carby	Cramer Rd.
	State O.4
(2) TYPE OF WORK	(check):
New Well Despening	December 1
If abandonment, describe materi	al and procedure in Name 20
(3) TYPE OF WELL:	
	(4) PROPOSED USE (check
Rotary Air M Driven D	Domestic M Industrial D Municipal
d Dag D	Transplan Dest Well D Other
AFT) CASTRIC TOTAL	- Remiection
(5) CASING INSTALL	
	Threaded Welded W
Diam from	to 13.2 ft Gauge 250
LINER INSTALLE	D
5 9/16 m	D:
Liam from 1.22 ft.	to 170 A Gauge 188
W FEELURATIONS.	Perforated? Yes [] No
Type of perforator used 70	nch
Size of perforations 1/4	in he 8
12	perforations from 135 ft. to 170
and the second s	. Derforations from
************	perforations from
(7) SCREENS: Walles	ft. to
	reen installed? □ Yes ▷No
Manufacturer's Name Type	
	• 100
	Model No.
Diam. Slot San	The Class of the control of the cont
Diagn. Slot Size	Set from
Diam. Slot Size Diam. Slot Size (8) WELL TESTS.	Set from ft to ft  Set from ft to ft  Drawdown is amount water book
Diam. Slot Size Diam. Slot Size (8) WELL TESTS:	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level
Diam. Slot Size Diam. Slot Size  (8) WELL TESTS:	Set from ft to ft  Set from ft to ft  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller
Diam. Slot Size Diam. Slot Size  (8) WELL TESTS:	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level
Disam. Slot Size Disam. Slot Size  (8) WELL TESTS:  a pump test made? IXYes   gal/m	Set from ft to ft  Set from ft to ft  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller in with 19 ft drawdown after 2 hos.
Diam. Slot Size Diam. Slot Size  (8) WELL TESTS:  2 a pump test made? DYes   7 reid: 3 0 gal/m  Air test. gal  Bailer test	Set from ft. to ft.  Set from ft. to ft.  Drawdown in amount water level is lowered below static level  No If yes, by whom? Driller in with 19 ft. drawdown after 2 hra.  Amin. with drill stem at ft. hrs.
Diam. Skot Size  Diam. Skot Size  (8) WELL TESTS:  2 a pump test made? EXYes   Field: 3 0 gal/m  Air test gal  Bailer test gal	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No If was, by whom? Driller in with 19 ft. drawdown after 2 hrs.  Inin with drill stem at ft. hrs.  Li/min with ft. drawdown after hrs.
Diam. Slot Size  Diam. Slot Size  (8) WELL TESTS:  (a) pump test made? DYes   reld: 3 0 gal/m  Air test. gal  Bailer test. gal  Basism flow	Set from ft. to ft.  Set from ft. to ft.  Drawdown in amount water level is lowered below static level  No If yes, by whom? Driller in with 19 ft. drawdown after 2 hra.  Amin with drill stem at ft. hrs.  Limin, with ft. drawdown after hrs.
Diam. Slot Size  Diam. Slot Size  (8) WELL TESTS:  (8) WELL TESTS:  (a pump test made? DYes   pal/m  Air test. gal  Bailer test. gal  Basism flow Ell  Remperature of water	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller in with 79 ft. drawdown after 2 hrs.  Amin. with drill stem at ft. hrs.  st./min. with drill stem at ft. hrs.  L/min. with ft. drawdown after hrs.  Depth artesian flow encountered
Diam. Slot Size Diam. Slot Size  (8) WELL TESTS:  (8) WELL TESTS:  (a) a pump test made? Dives Diam.  Air test 3 0 gal/m  Air test gal  Bailer test gal  Estimate of water  (9) CONSTRUCTION:	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller in with 79 ft. drawdown after 2 hrs.  Amin. with drill stem at ft. hrs.  st./min. with drill stem at ft. hrs.  L/min. with ft. drawdown after hrs.  Depth artesian flow encountered
Diam. Slot Size Diam. Slot Size Diam. Slot Size  (8) WELL TESTS:  2 a pump test made? Dives   3 0 gal/m  Air test gal  Bailer test gal  Bailer test gal  Temperature of water  (9) CONSTRUCTION:  Well seal Material used Con	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No Hyes, by whom? Drillen in with 79 ft. drawdown after 2 hrs.  Janin with drill stem at ft. hrs.  Limin with ft. drawdown after hrs.  Depth artesian flow encountered ft.  Special standards: Yes   No 20  Rev. 2
Diam. Slot Size Diam. Slot Size Diam. Slot Size  (8) WELL TESTS:  (a pump test made? DYes   reid: 3 0 gal/m  Air test. gal Bailer test. gal Bailer test. gal  Banner ature of water  (9) CONSTRUCTION: Well seal-Material used C21  Well sealed from land surface to	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller in with 19 ft. drawdown after 2 hrs.  Amin with drill stem at ft. hrs.  All/min with ft. drawdown after hrs.  Depth artesian flow encountered ft.  Special standards: Yes   No 10 12 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Diam. Slot Size  Diam. Slot Size  Diam. Slot Size  (8) WELL TESTS:  1 a pump test made? DYes  1 gal/m  Air test. gal  Bailer test. gal  Bailer test. gal  Basism flow El  Temperature of water  (9) CONSTRUCTION:  Well seal Material used C21  Well sealed from land surface to  Diameter of well bore to bottom of sea	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller in with 19 ft. drawdown after 2 hrs.  Amin with drill stem at ft. hrs.  All/min with ft. drawdown after hrs.  Depth artesian flow encountered ft.  Special standards: Yes   No 10 12 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Diam. Slot Size  Diam. Slot Size  Diam. Slot Size  Slot	Set from ft. to ft.  Set from ft. to ft.  Drawdown is amount water level is lowered below static level  No If yes, by whom? Driller in with 19 ft. drawdown after 2 hrs.  Amin with drill stem at ft. hrs.  al./min. with ft. drawdown after hrs.  Depth artesian flow encountered ft.  Special standards: Yes   No 10  Re 21  19
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# Valley Growers Nursery Initial Review Determinations

## Water Resources Department

Commerce Building 158 12th Street NE Salem, OR 97301-4172 (503) 378-3739 FAX (503) 378-8130 www.wrd.state.or.us

November 8, 2002

VALLEY GROWERS NURSERY AND LANDSCAPE INC PO BOX 610 HUBBARD, OREGON 97032

Reference: File G-15687

Dear Applicant:

# THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.

This letter is to inform you of the preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

## **Initial Review Determinations:**

- The proposed use is not prohibited by law or rule.
- The use of water from A WELL IN ROCK CREEK BASIN for NURSERY USE ON 19.55 ACRES is allowable under OAR 690-502-160(2), the Willamette Basin Program.
- 3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will not have the potential for substantial interference with the nearest surface water source.
- 4. The Department has also determined, based upon available data, that the use of groundwater, if properly conditioned, will not injure existing rights or the groundwater resource.

5. Prior to permit issuance, the well must be repaired to meet minimum well construction standards. The Department has determined from available information that the well construction does not meet minimum well construction standards and results in commingling of more than one groundwater reservoir. Please refer to the ADDITIONAL INFORMATION REQUIRED section below for details.

## Summary of Allowable Water Use

Because item #5 above is limiting, use of 0.38 CUBIC FEET PER SECOND, A WELL IN ROCK CREEK BASIN for NURSERY USE ON 19.55 ACRES is allowable year round, however it appears unlikely that you will be issued a permit until the well is repaired to meet minimum well construction standards. At this time, you must decide whether to proceed or to withdraw your application as described below.

## Additional Information Required:

Because the Department has determined that the well (CLACK 02356) allows commingling of water from more than one groundwater reservoir, a permit cannot be issued until the well has been properly constructed per current well construction standards.

Based on review of the well log, the Department has determined commingling of aquifers. The applicant would need to choose one aquifer and seal off the other. For questions or assistance dealing with the Department's determination of the well's compliance with the current minimum well construction standards, you may contact Tracy Eichenlaub of the Department's Enforcement Section at (503) 378-8455, extension 283.

The Department will not proceed with a positive Proposed Final Order and will not issue a permit approving the proposed use, as requested under this Application #G-15687, until notice that the required construction has been completed.

Please submit this information no later than Thursday, December 26, 2002. If you are unable to submit the above listed information, you may request a "time out from processing" for up to an additional 180 days. You must submit the request in writing, stating how much more time you will need and why you need additional time. If a time out is granted, your application will not be processed further until the requested information is received or the extended deadline has passed.

If we do not receive the items requested above by this date, or you do not request a "Time Out from Processing," we may reject your application consistent with ORS 537.153. If your application is rejected, any fees submitted in excess of the examination fee will be refunded; however, the examination fee is non-refundable and will not be returned. In addition, the priority date associated with your application will be lost.

From: "Greg Kupillas" <phggek@bctonline.com>
To: "OWRD WRIG" <customerservice@wrd.state.or.us>
Subject: File Review

-->

Greetings WRIG,

I will be in the Department Thursday, January 27, and would like to review the file for Application G-15567.

Thanks,

## **Greg Kupillas**

Pacific Hydro-Geology Inc.

18477 S. Valley Vista Rd.

Mulino, OR 97042

503.632.5016

# Memo

# Oregon Water Resources Department Water Rights Section

To:

Greg Nelson

January 6, 2005

From:

Dwight French, Water Rights Section Manager

RE:

voluntary cancellation of certificate 20401.

You reviewed an affidavit that was submitted a couple/few months ago and determined that Joel Neuschwander no longer owned all of the property and that some of the property was owned by Leo Gentry. Both have submitted affidavits that I believe correctly request cancellation of this certificate.

I would appreciate it if you would review the affidavits and, if appropriate, prepare an order for cancellation. I'm not in a hurry, but sometime over the next couple months would be great. Thanks.

# Memo

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January 6, 2005

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I would appreciate it if you would review the affidavits and, if appropriate, prepare an order for cancellation. I'm not in a hurry, but sometime over the next couple months would be great. Thanks.

# AFFIDAVIT FOR THE PARTIAL CANCELLATION OF A WATER RIGHT CERTIFICATE

State of Oregon ) County of Clackamas )	ss
We, Joel and Carolyn Neuschwander, residing at 60 636/-3253 being first duly sworn de	
NE <sup>1</sup> / <sub>4</sub> , and SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> , Section 32, Township 4 S	oed as tax lot numbers 900, 902, 903, and 904, within the SW¼ outh, Range 1 East, of the Willamette Meridian, in Clackamas and described in the attached deed and legal description and made
for use of 1.07 cubic feet per second of water; be	1 issued to I. R. Hanson, with a date of priority of March 4, 1946, sing 0.65 cfs from Bear Creek and 0.42 cfs from an unnamed he purpose of irrigation is appurtenant to our property;
3. The appurtenant water right is not located within within a district, name it here:	the boundaries of an irrigation district (if the right is located).
described as follows:  The right to the use of 0.64 cubic foot per second  Lot 3 SW¼ NE½  Lot 4 SE¼ NE½  Section	
6. We request the portion of the water right describe	ed above be canceled.
Signature of legal owner as listed on deed, or author Signature of legal co-owner as listed on deed (if applicable)	dized agent $\frac{6-32-04}{\text{Date}}$ Date
PATRICK W. O'NEAL NOTARY PUBLIC - OREGON COMMISSION NO. 368909 MY COMMISSION EXPIRES MAY 21, 2007	day of June, 200 4.  Jan w O. Neel  Notary Public for Oregon
	My Commission Expires 5/2//07
	HICH LISTS LAND OWNERS AND INCLUDES A LEGAL DESCRIPTION , WATER RIGHT FINAL PROOF MAP, OR A TAX LOT MAP WITH THE

PLEASE ATTACH A LEGIBLE COPY OF: 1) A DEED WHICH LISTS LAND OWNERS AND INCLUDES A LEGAL DESCRIPTION OF AFFECTED LANDS, AND 2) AN ADJUDICATION MAP, WATER RIGHT FINAL PROOF MAP, OR A TAX LOT MAP WITH THE PORTION OF THE ABANDONED RIGHT CLEARLY DRAWN AND IDENTIFIED. IF ACTING AS AN AUTHORIZED AGENT, INCLUDE COPY OF POWER OF ATTORNEY OR OTHER DOCUMENTS GRANTING AUTHORITY TO ACT ON BEHALF OF LEGAL OWNER(S).

RECEIVED

NOV 3 0 2004

HCES DEPT

# AFFIDAVIT FOR THE PARTIAL CANCELLATION OF A WATER RIGHT CERTIFICATE

State of Oregon multhomen )
State of Oregon multnomen ) ss  County of CLAUKANAS )
I/We (or authorized agent), LEO GENTRY  residing at 24160 SE Highway 212 Buring, OR 97009,  telephone (503) 658-5799, being first duly sworn depose and say:
1. I/We are the legal owner(s) of the property described as tax lot number 905, within the SE¼ NW¼ NE¼ SW¼ and, Section 32, Township 4 South, Range 1 East, of the Willamette Meridian, in Clackamas County, Oregon, as shown on the attached map and described in the attached deed and legal description and made part of this affidavit;
2. A portion of water right certificate number 20401 issued to I. R. Hanson, with a date of priority of March 4, 1946, for use of 1.07 cubic feet per second of water; being 0.65 cfs from Bear Creek and 0.42 cfs from an unnamed stream, both tributary to the Pudding River, for the purpose of irrigation is appurtenant to my/our property;
3. The appurtenant water right is/is not located within the boundaries of an irrigation district (if the right is located within a district, name it here:).
4. I/We have abandoned any and all interest in the portion of this water right shown on the attached map and described as follows:  The right to the use of 0.42 cubic foot per second from an unnamed stream for irrigation of 37.20 acres located:  LOT 2 SE½ NW½ 14.20 Acres  NE¼ SW½ 23.00 Acres  Section 32  Township 4 S, Range 1 E, WM; and
5. I/We request the portion of the water right described above be canceled.    Signature of legal owner as listed or deed, or authorized agent   Date
Signature of legal co-owner as listed on deed (if applicable)  Date
Subscribed and Sworn to Before Me this 19 day of November, 2004.
Notary Public for Oregon
My Commission Expires Sept 22, 2006
PLEASE ATTACH A LEGIBLE COPY OF: 1) A DEED WHICH LISTS LAND OWNERS AND INCLUDES A LEGAL DESCRIPTION OF AFFECTED LANDS AND 2) AN ADJUDICATION MAD WATER PIGHT FINAL PROOF MAD OR A TAY LOT MAD WITH THE

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January 2003

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WATER RESOURCES DEPT SALEM, OREGON



OFFICIAL SEAL
BERDRAH CHELHE
HOTARY PUBLIC - OREGON
COMMISSION NO. 961447
NY COLUMBSION EXPIRES SEPTEMBER 22, 2000

NOV 3 O 2004 WILB HESQUEGES DE-

# AFFIDAVIT FOR THE PARTIAL CANCELLATION OF A WATER RIGHT CERTIFICATE

State of Oregon multhoman ) ss County of CLAUKANAS )
County of CLAUKANAS
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2. A portion of water right certificate number 20401 issued to I. R. Hanson, with a date of priority of March 4, 1946, for use of 1.07 cubic feet per second of water; being 0.65 cfs from Bear Creek and 0.42 cfs from an unnamed stream, both tributary to the Pudding River, for the purpose of irrigation is appurtenant to my/our property;
3. The appurtenant water right is/is not located within the boundaries of an irrigation district (if the right is located within a district, name it here:).
4. I/We have abandoned any and all interest in the portion of this water right shown on the attached map and described as follows:  The right to the use of 0.42 cubic foot per second from an unnamed stream for irrigation of 37.20 acres located:  LOT 2 SE¼ NW¼ 14.20 Acres  NE¼ SW¼ 23.00 Acres  Section 32  Township 4 S, Range 1 E, WM; and
Signature of legal owner as listed or deed, or authorized agent    I/We request the portion of the water right described above be canceled.
ignature of legal co-owner as listed on deed (if applicable)
Subscribed and Sworn to Before Me this 19 day of November, 2004.
Notary Public for Oregon
My Commission Expires Sept 22, 2006
<b>LEASE ATTACH A LEGIBLE COPY OF:</b> 1) A DEED WHICH LISTS LAND OWNERS AND INCLUDES A LEGAL DESCRIPTION F AFFECTED LANDS, AND 2) AN ADJUDICATION MAP, WATER RIGHT FINAL PROOF MAP, OR A TAX LOT MAP WITH THE

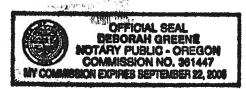
PLEASE ATTACH A LEGIBLE COPY OF: 1) A DEED WHICH LISTS LAND OWNERS AND INCLUDES A LEGAL DESCRIPTION OF AFFECTED LANDS, AND 2) AN ADJUDICATION MAP, WATER RIGHT FINAL PROOF MAP, OR A TAX LOT MAP WITH THE PORTION OF THE ABANDONED RIGHT CLEARLY DRAWN AND IDENTIFIED. IF ACTING AS AN AUTHORIZED AGENT, INCLUDE COPY OF POWER OF ATTORNEY OR OTHER DOCUMENTS GRANTING AUTHORITY TO ACT ON BEHALF OF LEGAL OWNER(S).

January 2003

RECEIVED

NOV 3 0 2004

WATER RESOURCES DEPT SALEM, OREGON



# AFFIDAVIT FOR THE PARTIAL CANCELLATION OF A WATER RIGHT CERTIFICATE

State of Oregon	)
County of Clackamas	) ss )
We, Joel and Carolyn Neuschwander, residing a 「 <u>03 6 5 / - 325</u> 3 being first duly sworn	t 6097 S.Whiskey Hill Rd., Hubbard, OR, telephone depose and say:
NE¼, and SE¼ NE¼, Section 32, Township	scribed as tax lot numbers 900, 902, 903, and 904, within the SW¼ 4 South, Range 1 East, of the Willamette Meridian, in Clackamas ap and described in the attached deed and legal description and made
for use of 1.07 cubic feet per second of water	0401 issued to I. R. Hanson, with a date of priority of March 4, 1946, ; being 0.65 cfs from Bear Creek and 0.42 cfs from an unnamed or the purpose of irrigation is appurtenant to our property;
3. The appurtenant water right is not located wit within a district, name it here:	thin the boundaries of an irrigation district (if the right is located).
4. We have abandoned any and all interest in the described as follows:	e portion of this water right shown on the attached map and
	ond from Bear Creek for irrigation of 50.91 acres located:
Lot 3 SW¼ N Lot 4 SE¼ N	
	ection 32
	h, Range 1 East, WM; and
5. We request the portion of the water right desc	rihed above he canceled
1	nice above be canceled.
a. Col Neuschwa	le de la constitución de la cons
Signature of legal owner as listed on deed, or aut	
Signature of legal co-owner as listed on deed	<u> 6. 22-04</u> Date
(if applicable)	24.0
Sitescribed and Sworn to Before Me th	is 22 day of Tune, 2004.
PATRICK W. O'NEAL NOTARY PUBLIC - OREGON	$\circ$
COMMISSION NO. 368909 MY COMMISSION EXPIRES MAY 21, 2007	Notary Public for Oregon
21, 2007	Notary Public for Oregon
	My Commission Expires 5/2//07
PLEASE ATTACH A LEGIBLE COPY OF: 1) A DEED	WHICH LISTS LAND OWNERS AND INCLUDES A LEGAL DESCRIPTION
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RECEIVED

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HCES DEPT

## DRAFT

## BEFORE THE WATER RESOURCES DIRECTOR OF OREGON **CLACKAMAS COUNTY**

IN THE MATTER OF CANCELLATION OF A	)	
PORTION OF A PERFECTED AND	)	FINAL ORDER
DEVELOPED WATER RIGHT IN THE NAME	)	
OF I. R. HANSON	)	

ORS 540.621 directs the Commission to enter an order canceling a water right whenever the owner of a perfected and developed water right certifies under oath to the Commission that the water right has been abandoned and the owner desires to cancel the right.

### FINDINGS OF FACTS

- 1. On MONTH, DAY, 2004, the Department received an affidavit from Joel and Carolyn Neuschwander, ADDRESS, Oregon, stating they are the owners of land and the water right appurtenant as evidenced by Certificate 20401, State Record of Water Right Certificates. The affidavit further states a portion of the water right appurtenant to the property has been abandoned and requests the certificate be canceled.
- 2. Pursuant to OAR 690-017-002(a), the Department has determined that Joel and Carolyn / Neuschwander are the record owners, as established by county deed records, of property to which a portion of the water right evidenced by Certificate 20401 is appurtenant.
- 905
- 3. Certificate 20401 allows for the use of 1.07 cubic feet per second (cfs) of water; being 0.65 cfs from Bear Creek and 0.42 cfs from an unnamed stream, both tributary tributary to the Pudding River, for irrigation of 89.0 acres. The date of priority is March 4, 1946.
- 4. The portion of Certificate 20401 which has been abandoned is for the use of 0.64 cfs from Bear Creek for irrigation of 50.91 acres located as follows:

T	TWP		VG	MER	SEC	1/4	1/4	DLC	LOT	ACRES
4	S	1	Е	W.M.	32	sw	NE		3	26.20
4	S	1	Е	W.M.	32	SE	NE		4	24.71

- 37.2 AC TL 905 LED GENTRY

### NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2).

Pursuant to ORS 536.075 and OAR 137-004-080 and OAR 690-01-005 you may either petition for judicial review or petition the Director for reconsideration of this order.

## **DRAFT**

## CONCLUSIONS OF LAW

The Director of the Water Resources Department concludes that a portion of the right evidenced by Water Right Certificate 42311 has been abandoned in accordance with the provisions of ORS 540.621 and shall be canceled.

	ORDER
IT	IS ORDERED:    In NOT GNORELY SURE WHAT  PRICESS IS => (R) PECHIT
1.	This order is effective upon final resolution of any petition for reconsideration or petition for judicial review of an order authorizing issuance of Permit
2.	Certificate 20401 is canceled.
3.	The Department shall issue Certificate  and superseding certificate, to describe the remaining portion of the perfected and developed water right NOT canceled by the provisions of this order.
	this order.  LERTO PERKETT TO 1000 0.89  LIENTRY TO 905 37.2
Da	ated
P	hillip C. Ward, Acting Director

#### STATE OF OREGON

COUNTY OF

CLACKAWAS

#### CERTIFICATE OF WATER RIGHT

### This Is To Certify, That I. R. HANSON

of Route 2, Box 310, Canby , State of Oregon , has made proof to the satisfaction of the STATE ENGINEER of Oregon, of a right to the use of the waters of Bear Creek and an unnamed tributary of Bear Creek, a tributary of Pudding River

for the purpose of

16827 of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from March 4, 1946

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 1.07 cubic foot per second, being 0.65 c.f.s. from Bear Creek and 0.42 c.f.s. from the unnamed stream.

or its equivalent in case of rotation. measured at the point of diversion from the stream. The point of diversion is located broke From unramed tributary: in Lot 2 ( $SE_4^1 NW_2^1$ ); From Bear Creek: in Lot 4 (SE 1 NE 1), all boing within Section 32, Township 4 South, Range 1 East, W. M.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to one-eightieth of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 23 acre feet per acre for each acre irrigated during the irrigation season of each year,

and shall

conform to such reasonable rotation system as may be ordered by the proper state officer. A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

From Bear Creek:

0.0125482

02 0.39 0.0108

26.2 acres in Lot 3 (SW NEX) 51.8 - 24.7 ( 25.6 acres in Lot 4 (SE NE ) Section 32

Township 4 South, Range 1 East, W. M.

From Unnamed Tributary: 14.2 acres in Lot 2 (SE 1 NW) 23.0 acres in the NE SW

Section 32 Township 4 South, Range 1 East, W. M.

Land on which water is to be used is a part of that more explicitly described by appropriator as follows:

Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. 4 S. R. 1 E. of the W.H. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of heginning. AISO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32.00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. AISO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W.M., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. 4 S. R. 1 E. of the W.H., thence East 200 feet, more or less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 124 at page 437 of Deed Records of Clackamas County, State of Oregon; thence South along the East line

of said Hilton tract of land, 100 fest, more or less to the Southeast corner thereof; thence West along the South line of said Hilton land 200 feet, more or less to the West line of said James Wilson land; thence North on the West line of said James Wilson land, 100 feet, more or less, to the place of beginning.

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described.

WITNESS the signature of the State Engineer, affixed

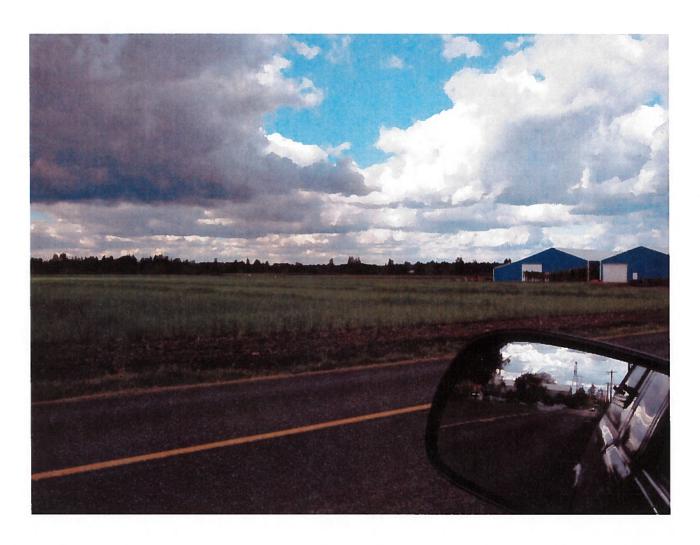
· this 30thday of Ar

, 191,

GHAS. I. TPICTIV

State Engineer

Recorded in State Record of Water Right Certificates, Volume 15, page 20101





#### (WATER RIGHT TRANSPER) AFFIDAVIT ATTESTING TO THE USE OF WATER DURING THE PREVIOUS FIVE YEARS

State	of Oregon )
Cour	ary of <u>CLACKAMAS</u> ) ss
, 5	AROLUN NEUS HWANDER in my capacity as OWNER,
maili	ing selvers 6007 5 WHISKEY WILL RA / HUBBARD OR 97032
telep	ing address 6097 5. WHISKEY HILL RA. HUBBARD, OR 97032 hone number (503)651-3253 being first duly sworn depose and say:
1.	I attest that water was used during the previous five years on the entire authorized place of use of the water
	right subject to transfer as described by the covernmenting transfer explication. My knowledge of the exercise of the water right is based on (check one):
	Personal observation
	Professional expertise
2.	My knowledge is specific to the use of water at the following location(s):  26.2 ac SW 1/NE 1/2 23 ac NE 1/4 SW 1/4  25.6 ac SE 1/4 NE 1/4  14.2 ac SE 1/4 NW 1/4  Section 32  Township 4/85 Range 1 969
3.	The water right was exercised for the authorized purposes and is described as follows:  TREIGNED OF NURSERY STOCK
4.	The water delivery system used to apply water as authorized by the water right is described as follows:  PORTABLE PUMP FROM BEAR CR & LAN-NAMED TRIB. INTO
	PORTABLE MAINLINE, TO MAINLINE, INTO HANDLINES,
	(continues on reverse side)

PLEASE PRINT LEGIBLY OR TYPE. PLEASE BE AS SPECIFIC AS POSSIBLE. ATTACH ADDITIONAL PAGES IF YOU NEED MORE SPACE. SUPPORTING DOCUMENTATION MUST BE ATTACHED. Jane 2003

1

Det. 28 2003 09:26AM P2

FAX NO. :502-524-5567

**LKOW:** 

5.	Оде од	more of the following documentation supporting the above statements is attached:
		copy of a water right certificate which has been issued within the last five years (not a remaining ght certificate),
	∐ c	opies of receipts from sales of irrigated crops or for expenditures relating to use of water,
		secords such as Farm Service Agency crop reports, irrigation district records, an NRCS farm nanagement plan, or records of other water suppliers,
		Dated aerial photographs of the lands or other photographs containing sufficient detail to establish the ocation and date of the photograph,
	LJ D	Dedicated power usage records or receipts,
		f the right has not been used during the past five years, documentation that the presumption of orfeiture would be rebutted under ORS 540.610(2), or
	10 C	Other: CERTIFICATE VOL. 15, PAGE 20401
Signs	The Contract of	
		Subscribed and Sworn to Before Me this & day of Tune 200 7.
MY CO	470N 400	OFFICIAL SEAL TRICK W. O'NEAL ARY PUBLIC - OREGON MMISSION NO. 368509 ON EXPIRES MAY 21, 2007
<del></del>		My Commission Expires

PLEASE PRINT LEGIBLY OR TYPE. PLEASE BE AS SPECIFIC AS POSSIBLE. ATTACH ADDITIONAL PAGES IF YOU NEED MORE SPACE. SUPPORTING DOCUMENTATION MUST BE ATTACHED.
Jude 2003

29 MAYS: 20 2002 82 . 100

FAX NO. :502-524-5567

FROM:

# Mailing List for Permit Copies

Application# G-15567	Mailing List	Print Date April 1, 2003
Original mailed to(when permit issued, i	include copy of permit map):	1/5/05
Applicant: DANIEL & DELORIS CHIN, 1	7817 CHEYNE RD, KLAMATH	FALLS, OR 97603
JOEL NEUSCHWANER - SE LEO GENTRY - SEE addr		
For Permit only - Permit Copies sent to	**************************************	Copies Mailed
margins):	remember to reduce copy	By: (SUMPORIT STAFF)
1. WRD - File #G-15653-15567		on: /(UATE)
2. WRD - Ken Stahr		
3. WRD - Data Center 4. WRD - Watermaster District #:1 (w/co	ppy of permit map)	
COPIES TO Other Interested Persons		
5. Scott Ashcom	POBOX 4323	
6	Portland 97208	
7		
Caseworker: AMH DUF		

### BEFORE THE OREGON WATER RESOURCES DEPARTMENT

In the Matter of Water Right Application	)	FINAL ORDER
G-15567 in the names of Joel	)	INCORPORATING
Neuschwander & Leo Gentry,	)	SETTLEMENT AGREEMENT
Applicants	)	

Based on the attached Stipulated Agreement that is incorporated I find the proposed use will ensure the preservation of the public welfare, safety and health.

Therefore, it is ordered that Application G-15567 is approved the permit shall issue.

DATED this 5 day of January, 2005.

Phillip C. Ward, Acting Director

Oregon Water Resources Department

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

JOEL NEUSCHWANDER & LEO GENTRY 6097 S WHISKEY HILL RD HUBBARD, OREGON 97032

The specific limits and conditions of the use are listed below.

**APPLICATION FILE NUMBER: G-15567** 

SOURCE OF WATER: TWO WELLS IN BEAR CREEK BASIN

PURPOSE OR USE: NURSERY USE OF 174.09 ACRES.

MAXIMUM RATE: 1.604 CUBIC FEET PER SECOND, BEING 1.114 CFS FROM WELL 1 AND 0.490 CFS FROM WELL 2

on to or brittenin Weber

PERIOD OF USE: YEAR-ROUND

DATE OF PRIORITY: July 25, 2001

WELL LOCATIONS:

Well 1: SENE, SECTION 32, T 4S, R1E, W.M.;

550 FEET NORTH & 1250 FEET WEST FROM E1/4 CORNER, SECTION 32

Well 2: SENW, SECTION 32, T 4S, R1E, W.M.;

50 FEET NORTH & 50 FEET WEST FROM C1/4 CORNER, SECTION 32

The amount of water used for nursery use is limited to a maximum of 5.0 acre feet per acre and a diversion of 0.15 cubic foot per second per acre. For irrigation of containerized nursery plants, the amount of water diverted is limited to one fortieth of one cubic foot per second and 5.0 acre feet per acre per year. For irrigation of in-ground nursery plants the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre per year. The use of water for nursery use may be made at any time, during the period of allowed use specified above, that the use is beneficial. For irrigation of any other crop, the amount of water diverted is limited to one eightieth of one cubic foot per second and 2.5 acre feet per acre during the irrigation season of each year.

Application G-15567

Water Resources Department

**PERMIT G-15646** 

#### THE PLACE OF USE IS LOCATED AS FOLLOWS:

SW ¼ NE ¼ 37.8 ACRES

SE ¼ NE ¼ 25.6 ACRES

SE ¼ NW ¼ 40.0 ACRES

NE ¼ SW ¼ 23.0 ACRES

NW ¼ SE ¼ 23.84 ACRES

SW ¼ SE ¼ 23.85 ACRES

SECTION 32

TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

#### STANDARD CONDITIONS

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water

level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Complete application of the water to the use shall be made on or before October 1, 2008. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued January 5, 2005

Phillip Ward, Acting Director

Water Resources Department

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100 Clint & Amy Perkett (099)

100 Aloan B. Harsh

1400 Dean L. Killers & Markin Sonners

1400 Alocan Sott Galacho

1401 Cardyn Newschimber

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#### STATE OF OREGON

COUNTY OF

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### CERTIFICATE OF WATER RIGHT

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16827 of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from March 4, 1946

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 1.0? cubic foot per second, being 0.65 c.f.s. from Bear Creek and 0.42 c.f.s. from the unnamed stream,

or its equivalent in case of rotation. measured at the point of diversion from the stream. The point of diversion is located boths From unnamed tributary: in Lot 2 (SE4 NW4); From Bear Creek: in Lot 4 (SE, NE,), all boing within Section 32, Township 4 South, Range 1 East, W. M.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to one-eightieth of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 22 acre feet per acre for each acre irrigated during the irrigation season of each year,

and shall

conform to such reasonable rotation system as may be ordered by the proper state officer. A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

From Bear Creek: 26.2 acres in Lot 3 (SW NE) 25.6 acres in Lot 4 (SEI NEI) Section 32

-0.89 Parkett =

Township 4 South, Range 1 East, W. M.

From Unnamed Tributary: 14.2 acres in Lot 2 (SE NW 2) 23.0 acres in the NE SW 2 Section 32

- 37.2 GRUTRY

Township 4 South, Range 1 East, W. M.

Land on which water is to be used is a part of that more explicitly described by appropriator as follows:

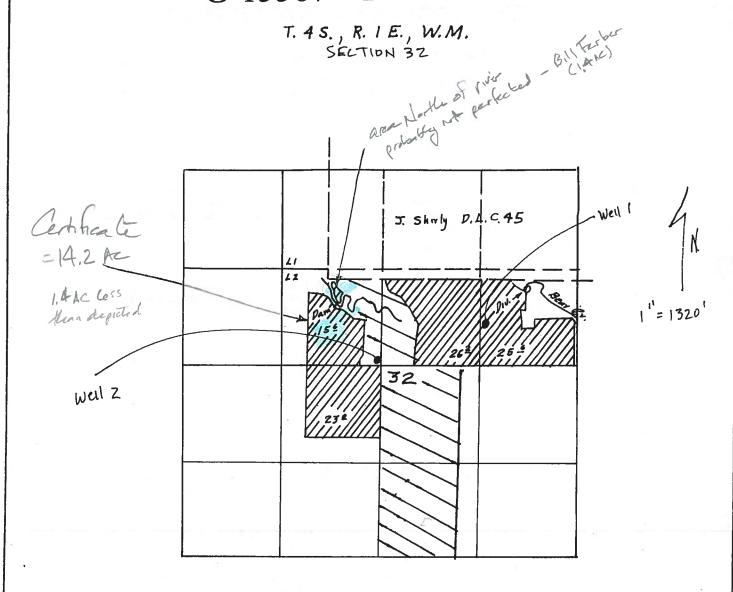
Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. 4 S. R. 1 E. of the W.M. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of beginning. ALSO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32.00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. AISO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W.M., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. 4 S. R. 1 E. of the W.M., thence East 200 feet, more or less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 124 at page 437 of Deed Records of Clackaras County, State of Oregon; thence South along the East line

,0125482

0.0112903

Certificate 2045

# JOEL NEUSCHWANDER G-15567 FILED 7/25/01



BLUE LINES: New acreage under application G-15567.

Thun BLACK LINES: Acreage under Certificate 20401

85.09 Acres

89 Acres

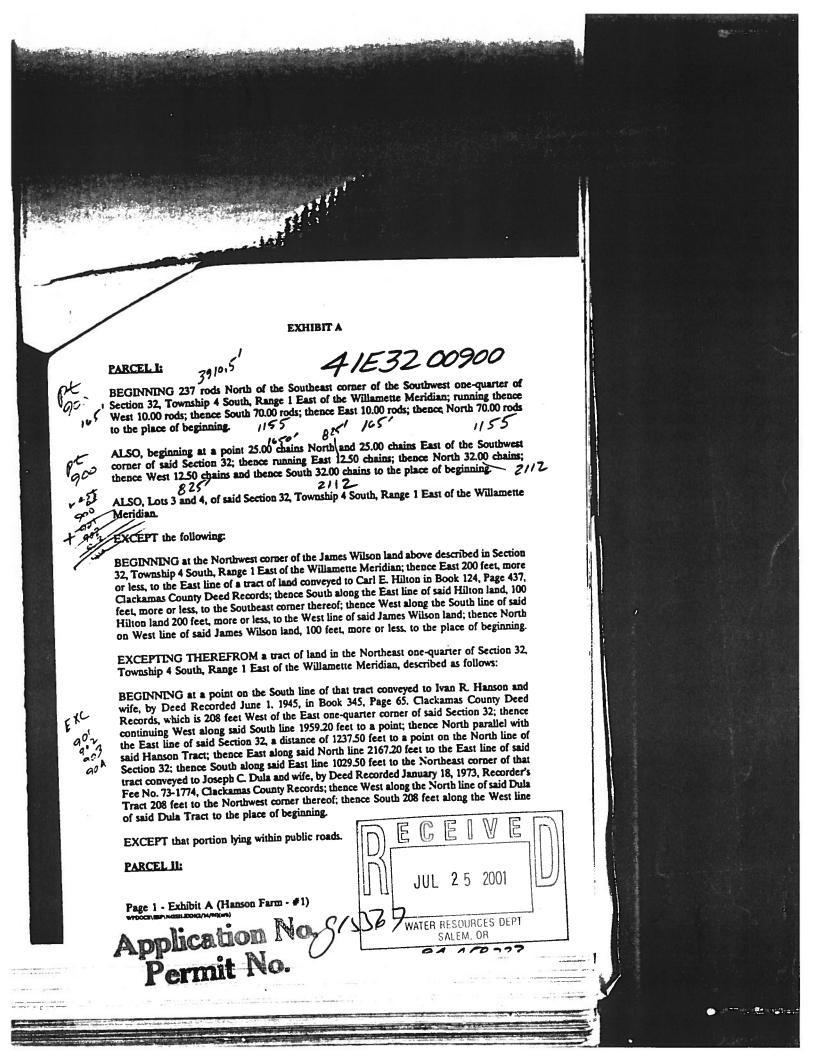
# FINAL PROOF SURVEY

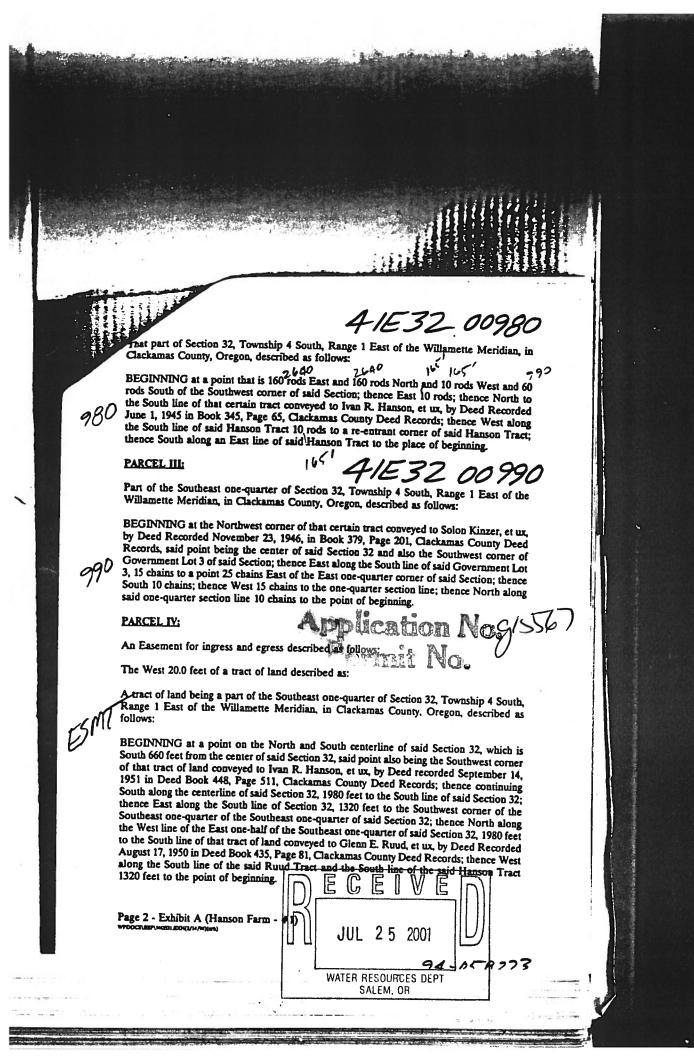
App. No 21449 Permit No. 16827 IN NAME OF

I. R. Hanson

Surveyed July 8 1963 by H. L. Coffman

DFK-30-22





WARRANTY DEED A. JOEL NEUSCHWANDER and CAROLYN R. NEUSCHWANDER, busband and wife, Grantors, convey to A JOEL NEUSCHWANDER and CAROLYN R.
NEUSCHWANDER Trustees or their successor trust, under the NEUSCHWANDER O/
LIVING TRUST DATED AND UNITED 1994, and any amendments thereto, Grantee, the following described real property situated in the county of Clackamas, state of SEE EXHIBIT "A" ATTACHED HERETO Grantors covenant that Grantors are seized of an indefeasible estate in the real property described above in fee simple, that Grantors have good right to convey the property, that the property is free from encumbrances except as specifically set forth herein, and that Grantors warrant and will defend the title to the property against all persons who may lawfully claim the same by, through, or under Grantors, provided that the foregoing covenants are limited to the extent of coverage available to Grantors under any applicable standard or extended policies of title insurance, it being the intention of the Grantors to preserve any existing title insurance coverage. This deed is executed to partially fund a trust of Grantors, and the true and actual consideration stated in terms of dollars is NONE. The following is the notice as required by Oregon law: THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO AFTER RECORDING RETURN TO: MAIL TAX STATEMENTS TO: A. Joel and Carolyn Neuschwander No Change 6097 S. Whiskey Hill Road Hubbard, OR 97032

Application No.9 5567
Permit., No.

Page 1 - Warranty Deed (Hanson Farm - #1)

JUL 2 5 2001

WATER RESOURCES DEPT SALEM, OR

Application No. 21/49

undergen Guly 3-53

County CLACKAMAS

## Proof of Appropriation of Water

	Name I. R. Hanson 2. Address Rt. 2, Box 222, Canby, Oregon
3.	Source of supply Bear Creek and an unnamed tributary of Bear Creek being 0-70 c.f.s. from Bear Creek and 0.42 c.f.s. from unnamed stream.
	Tributary ofPudding River/
4.	Amount of water 1.12 c.f.s. 5. Priority date March 4, 1946
6.	Useirrigation
7.	Location of point of diversion, Lot 1 (SE 1NW 1) Sec. 32 Twp. 4 S., Range 1 E., W. M. (Legal Subdivision)

8. The description of land given below corresponds to that found in your permit covering land to be irrigated, or, if for other purposes, the place of use.

Township	Range	Section	Forty-acre Tract	No. Acres Described in Permit	No. Acres Actually Irrig	ated
45	1 E	32	Lot 3 (SWanea)	18	763	262
			Lot 4 (SEANE)	ŻZ .	756	255
			Lot 4 (SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> )  Lot 2 (SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> )	15	T.5 -	142
			(NE4SW4)	34	230	280
				89	904	890

Property on which water is to be used is a part of that more explicitly described by applicant as follows: Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. h S. R. I E. of the W. M. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of beginning. ALSO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32,00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. ALSO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W. M., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. h S. R. I E. of the W. M., thence East 200 feet. more of less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 121 at page 137 of Deed Records of Clackamas County, State of Oregon; thence South along the East line of said Hilton tract of land, 100 feet, more or less to the Southeast corner thereof; thence West plong the South line of said Hilton land 200 feet, more or less to the West line of said James Wilson land; thence North on the West line of said James Wilson land, 100 feet, more or less, to the place of beginning.

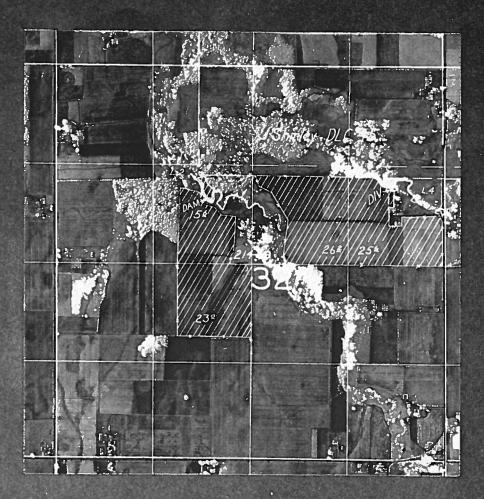
(CONTINUED ON ATTACHED SHEET)

(Attach constate cheet if necessary)

#### Permit No. 16827

(Description cont'd.)
of Clackamas County, State of Oregon; thence South along the East line/of said Hilton
tract of land, 100 feet, more or less to the Southeast corner thereof; thence West
along the South line of said Hilton land 200 feet, more or less to the West line
of said James Wilson land; thence North on the West line of said James Wilson land,
100 feet, more or less, to the place of beginning.

T. 4 S ., R. 1 E ., W.M.



## FINAL PROOF SURVEY

UNDER

Application No. 21449 Permit No. 16827 IN NAME OF

I. R. HANSON

Surveyed July 8 1953, by H. L. Coffman

T. 4 S ., R. 1 E ., W.M.



## FINAL PROOF SURVEY

UNDER

Application No. 21449 Permit No. 16827 IN NAME OF

I. R. HANSON

Surveyed July 8 1953, by H. L. Coffman

20401

Application No. 21449

County .....

MAR 2 6 1954

### Proof of Appropriation of Water

STATE ENGINEER SALEM, OREGON

	54//
1.	Name I. R. Hanson 2. Address Rt. 2, Box-222, Canby, Oregon
3.	Source of supply Bear Creek and an unnamed tributary of Bear Creek
	Tributary of Pudding River
6. c l d	Amount of water 1.07 c.f.s., being 0.65 5. Priority date March 4, 1946 cfs from Bear Creek and 0.42 cfs from unnamed stream  Use Irrigation - this appropriation shall be limited to 1/89th of one cubic foot per second or its equivalent for each acre irrigated and shall be further imited to a diversion of not to exceed 2½ acre feet per acre for each acre irrigated uring the irrigation season of each year, and shall be subject to such reasonable rotation system as may be ordered by the proper state officer.
7. 8.	From Unnamed tributary - Lot 2(SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> )  Location of point of diversion Sec. 32 Tp. 4 S Rg. 1 E, W. M.  From Bear Creek Lot 4(SE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> )  The description of land given below corresponds to that shown in the permit covering land to be
	irrigated, or, if for other purposes, the place of use.

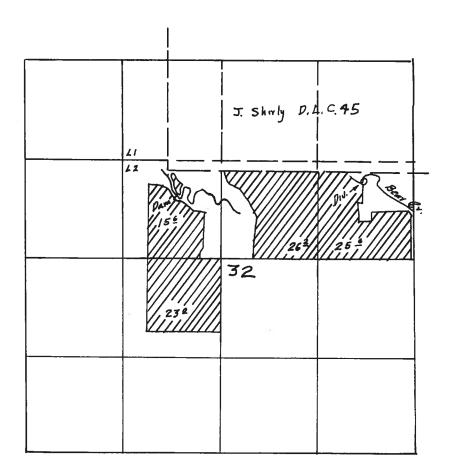
Township Range Section Willamette Meredian			Legal Subdivision	No. Acres Actually Irrigated
4 S	1 E	32	Irrigated from Bear Creek: Lot 3 (SW NE	26.2
			Lot 4 (SE <sup>‡</sup> NE <sup>‡</sup> )	25.6
			Irrigated from Unnamed Tributary:	51.8
			Lot 2 (SE <sup>1</sup> ANW <sup>1</sup> <sub>4</sub> )	14.2
			(NE‡SW‡)	23.0
	•			37.2

Land on which water is to be used is part of the property described by appropriator as follows:

Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. 4 S. R. 1 E. of the W.M. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of beginning. ALSO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32.00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. ALSO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W.M., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. 4 S. R. 1 E. of the W.M., thence East 200 feet, more or less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 124 at page 437 of Deed Records

(cont'd. on attached sheet)

T. 4 S., R. I E., W.M.



# FINAL PROOF SURVEY UNDER

App. No 21449 Permit No. 16827
IN NAME OF

I. R. Hanson

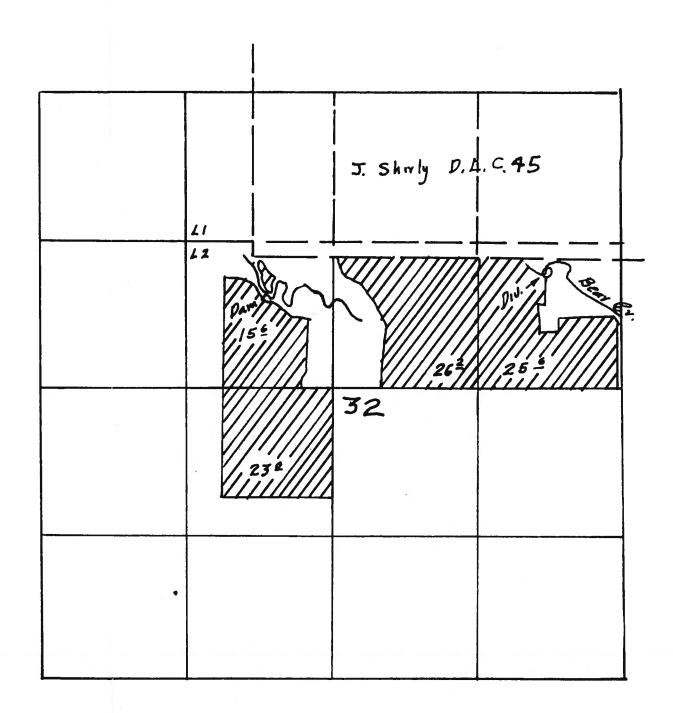
Surveyed July 8 1953 by H. L. Coffman

-22 ear 64

DFK-30-22

1500

15.6 23.02 25.6 4 - 1.6 88.8



TILLEL DECOT CHELLEL

Neuschwander's Nursery, LLC 6097 S. Whiskey Hill Rd. Hubbard, Oregon 97032



Phone: 503-651-3253 **Fax:** 503-651-3441

E-mail:nnllc@canby.com

Date 6/9/8 cf	Message From:
Company Name WRD	Attention: Dwight French
Total pages including cover	2

AFFidavit of water use



#### (WATER RIGHT TRANSPER) AFFIDAVIT ATTESTING TO THE USE OF WATER DURING THE PREVIOUS FIVE YEARS

State of Oregon )	
County of CLACKAMAS ) ss	
CARRILLANDED	
I JOEL NEWSCHWANDER , in my capacity as OWNER	
mailing address 6097 5. WHISKEY HILL RA. / HUBBARD, OR 97032	', ',
telephone number (563) 651-3253, being first duly sworn depose and say:	
1. I attest that water was used during the previous five years on the entire authorized place of use of the water	ter
right subject to transfer as described by the accompanying transfer application. My knowledge of the	
exercise of the water right is based on (check one):	
Personal observation	
Professional expertise	
2. My knowledge is specific to the use of water at the following location(s):	
26.2 ac SW 1/ NE 1/ 23 ac NE 1/ SW 1/4	
25.600 SE 1/4 NE 1/4	
44 a A SE 14 NW 14	
14.2 ac 3E 1/4 NW 1/4 Section 32	
Township 4 RS Range 1 PM	
3. The water right was exercised for the authorized purposes and is described as follows:	
IRCIGNION OF NURSERY STOCK	
4. The water delivery system used to apply water as authorized by the water right is described as follows:	
PORTABLE PUMP FROM BEAR CR & UN-NAMED TRIS. IN	b
PORTABLE MAINLINE, TO MAINLINE, INTO HANDLINE	
THEN INTO 18" RISERS.	_
THE PARTY OF THE P	
	_
(continues on reverse side)	
PLEASE PRINT LEGIBLY OR TYPE. PLEASE BE AS SPECIFIC AS POSSIBLE. ATTACH ADDITIONAL PAGES IF YOU	
NEED MORE SPACE. SUPPORTING DOCUMENTATION MUST BE ATTACHED.	
Jane 2003	

1

0ct. 28 2003 09:26AM P2

FAX NO. : 502-524-5567

EBOW:

5.	One	e or more of the following documentation supporting the above statements is	attached:	
		Copy of a water right certificate which has been issued within the last five right certificate),	years (not a remaining	
		Copies of receipts from sales of irrigated crops or for expenditures relating	to use of water,	
		Records such as Farm Service Agency crop reports, irrigation district record management plan, or records of other water suppliers,	ds, an NRCS farm	
Dated aerial photographs of the lands or other photographs containing sufficient detail to establish location and date of the photograph,				
	IJ	Dedicated power usage records or receipts,		
		If the right has not been used during the past five years, documentation that forfeiture would be rebutted under ORS 540.610(2), or	t the presumption of	
4		Other: CERTIFICATE VOL. 15 PAGE	20401	
Signa Signa	TE O	A Kenschwander Joseph Date	8/04	
		Subscribed and Sworn to Before Me this gay of Tune	, 200 <u>\forall</u> .	
MY CON	NO CC	OFFICIAL SEAL PATRICK W. O'NEAL IOTARY PUBLIC - OREGON COMMISSION NO. 368909 SSION EXPIRES MAY 21. 2007  My Commission Expires	W. ONest ry Public for Oregon	
		tely Commission Expires	11-1	

PLEASE PRINT LEGIBLY OR TYPE. PLEASE BE AS SPECIFIC AS POSSIBLE. ATTACH ADDITIONAL PAGES IF YOU NEED MORE SPACE. SUPPORTING DOCUMENTATION MUST BE ATTACHED.
Judo 2003

2

29 MAYS: 80 2002 82 . 150

FAX NO. :502-524-5567

FROM:

## TO REJECT CERTAIN FUTURE APPLICATIONS

This order covers the waters of Rock Creek and its tributaries, which drain parts of Township 4 South, Range 1 East; Township 5 South, Range 1 East; Township 5 South, Range 2 East; Township 6 South, Range 1 East; and Township 6 South, Range 2 East, W. M. Rock Creek flows into Pudding River in the south half of Section 25, Township 4 South, Range 1 West, W. M.

Investigations made August 2, 1951, by a representative of the State Engineer indicate that there is not sufficient water flowing in the streamin question and its tributaries, during the irrigation season, to satisfy existing rights, and it appears that the approval of any more applications proposing use of the direct flow of this stream or its tributaries would conflict with existing rights.

THEREFORE, IT IS HEREBY ORDERED that no more applications for permits to appropriate water from Rock Creek as described above, or its tributaries, be accepted, unless the applications are for storage and the appropriation of stored water.

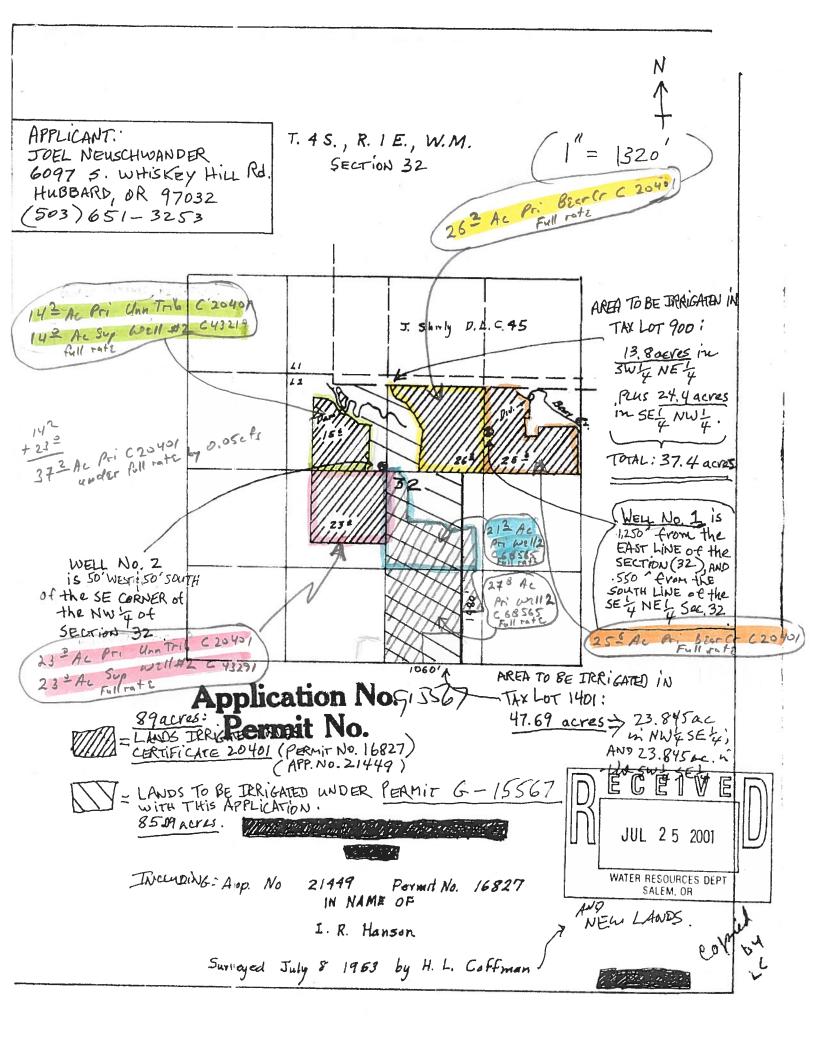
Dated at Salem, Oregon, this 13th day of August, 1951.

CHAS. E. STRICKLIN

State Engineer

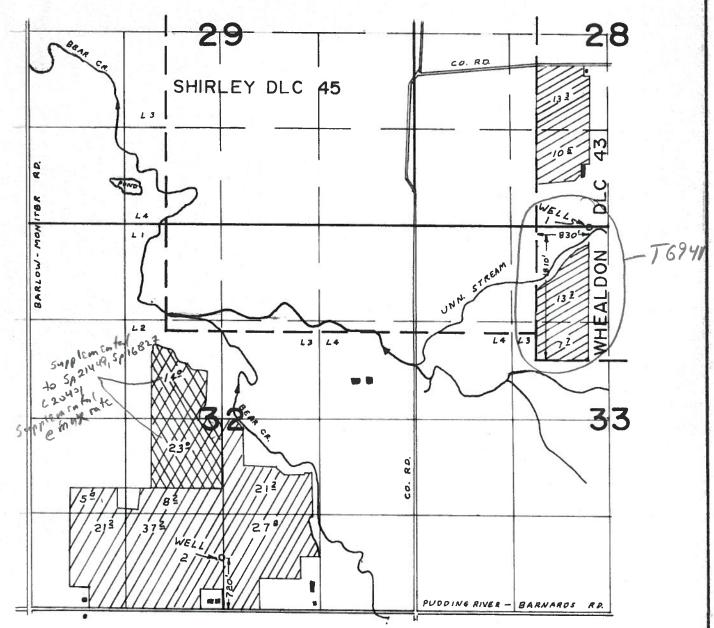
No ISWR
on Rock Cr 7
Padding R

7.22,2004 Tom, I'll 62 home 4.23,2004 - 5.5.2004. Collar if you need me - 503,585.9583. Bell



T6941-POA- only affects land in 451233 - exit freetra 76259
T-8333- Pending-nothing affected yet

## T. 4 S. R. I E. W. M.



# FINAL PROOF SURVEY

Application No. G-5629 Permit No. G-4921 IN NAME OF

TWIN CREEK FARMS, INC.

Surveyed SEP 23 1974, by L H NUNN

COUNTY OF

CLACKAHAS

### CERTIFICATE OF WATER RIGHT

STATE OF OREGON

This Is to Certify, That

TWIN CREEK FARMS, IEC.

of 29385 S. Needy Rd., Canby , State of Oregon, 97013 , has made proof to the satisfaction of the Water Resources Director, of a right to the use of the waters of two wells

a tributary of Bear Creek
for the purpose of
irrigation of 44.8 acres from Well No. 1 and irrigation of 120.6 acres from
Well No. 2 and supplemental irrigation of 37.0 acres from Well No. 2
under Permit No. G-4921 and that said right to the use of said waters has been perfected in
accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from
September 23, 1971

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 2.53 cubic feet per second, being 0.56 c.f.s. from Well No. 1 and 1.97 c.f.s. from Well No. 2

or its equivalent in case of rotation, measured at the point of diversion from the stream. The point of diversion is located in the No. 1-NE% NE%, as projected within Whealdon DLC 43, Section 33; No. 2-SE% SE%, Section 32, T. 4 S., R. 1 E., W. M., No. 1-1810 feet North and 830 feet East from the SW Corner, Whealdon DLC 43; No. 2-720 feet North from the S% Corner, Section 32.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited toone-eightieth of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre feet per acre for each acre irrigated during the irrigation season of each year; provided further that the right allowed herein shall be limited to any deficiency in the available supply of any prior right existing for the same land and shall not exceed the limitation allowed herein,

and shall

conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

SER NEXT PAGE

MEW CEIT SOUS NESE

Well No. 1

13.3 acres NE's SE's

10.5 acres SE's SE's

Both projected within Whealdon DLC 43

Section 28

13.3 scres NE% NE% 7.7 acres SE% NE% Both projected within Wheeldon DLC 43 Section 33 T. 4 S., R. 1 E., W. M. Max rates 0.56 rec'd max rate

Well No. 2 Supplemental

14.0 acres Lot 2 (SEk NWk)
23.0 acres NEW SWK
Section 32
T. 4 S., R. 1 E., W. M.

#### Prinary

8.2 acres ME; SW;
5.0 acres NW; SW;
21.2 acres SW; SW;
37.2 acres SW; SW;
21.2 acres NW; SE;
27.8 acres SW; SE;
Section 32
T. 4 S., R. 1 E., W. M.

Max rate = 1.97

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described., and is subject to the existing minimum flow policies established by the Water Policy Review Board.

WITNESS the signature of the Water Resources Director, affixed

this date.

July 6, 1976

James F. Sexson

Water Resources Director

STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

TWIN CREEK FARMS 29385 S. NEEDY ROAD CANBY, OREGON 97013

confirms the right to use the waters of TWO WELLS in the BEAR CREEK BASIN for IRRIGATION OF 23.8 ACRES FROM WELL NO. 1 AND IRRIGATION OF 120.6 ACRES FROM WELL NO. 2 AND SUPPLEMENTAL IRRIGATION OF 37.2 ACRES FROM WELL NO. 2.

This right was perfected under Permit G-4921. The date of priority is SEPTEMBER 23, 1971. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 2.27 CUBIC FOOT PER SECOND, BEING 0.30 CFS FROM WELL NO. 1 AND 1.97 CFS FROM WELL NO. 2, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

NE $\frac{1}{4}$  NW $\frac{1}{4}$ , AS PROJECTED WITHIN WHEALDON DLC 43, SECTION 33; SE $\frac{1}{4}$  SW $\frac{1}{4}$ , SECTION 32, T 4 S, R 1 E, W.M.; WELL NO. 1- 1310 FEET NORTH AND 830 FEET EAST FROM THE SW CORNER, WHEALDON DLC 43; WELL NO. 2- 720 FEET NORTH FROM THE S $\frac{1}{4}$  CORNER, SECTION 32.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed  $2\frac{1}{2}$  acre-feet per acre for each acre irrigated during the irrigation season of each year; PROVIDED FURTHER THAT THE RIGHT ALLOWED HEREIN SHALL BE LIMITED TO ANY DEFICIENCY IN THE AVAILABLE SUPPLY OF ANY RIGHT EXISTING FOR THE SAME LAND AND SHALL NOT EXCEED THE LIMITATION ALLOWED HEREIN.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

WELL NO. 1

Should be NESW

13.3 ACRES NE SE

BOTH PROJECTED WITHIN WHEALDON DLC 43 SECTION 28

TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

MELL NO. 5

SUPPLEMENTAL

14.0 ACRES LOT 2 (SE% NW%)
23.0 ACRES NE% SW%
SECTION 32
TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

#### PRIMARY

8.2 ACRES NE½ SW¼
5.0 ACRES NW¼ SW¼
21.2 ACRES SW⅓ SW½
37.2 ACRES SE⅓ SW½
21.2 ACRES NW¾ SE½
27.8 ACRES SW⅓ SE½
SECTION 32
TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

The wells shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of CRS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed

EFP 1 0 1995 \_\_\_\_\_.

/5/ Steven P. Applegate

Martha O. Pagel. Director

Recorded in State Record of Water Right Certificates numbered 68565.

T-6941.PKS

#### STATE OF OREGON

#### COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

STEPHEN H. AND ANN H. SMITH 8462 SOUTH HEINZ ROAD CANBY, OREGON 97013

confirms the right to use the waters of A WELL in the BEAR CREEK BASIN for IRRIGATION OF 21.0 ACRES.

This right was perfected under Permit G-4921. The date of priority is SEPTEMBER 23, 1971. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 0.26 CUBIC FOOT PER SECOND, or its equivalent in case of rotation, measured at the well.

The well is located as follows:

NE 1/4 NW 1/4, AS PROJECTED WITHIN WHEALDON DLC 43, SECTION 33, TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.; 1380 FEET NORTH AND 650 FEET EAST FROM THE SW CORNER OF DLC 43.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2 ½ acre-feet per acre for each acre irrigated during the irrigation season of each year.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

NE 1/4 NW 1/4 13.3 ACRES
SE 1/4 NW 1/4 7.7 ACRES
BOTH AS PROJECTED WITHIN WHEALDON DLC 43
SECTION 33
TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

This certificate is issued to confirm a change in POINT OF APPROPRIATION approved by an order of the Water Resources Director entered SEPTEMBER 10, 1995, and together with Certificate 68565, supersedes Certificate 43219, State Record of Water Right Certificates.

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

WITNESS the signature of the Water Resources Director, affixed JULY 16, 1999.

Martha O. Pagel

Recorded in State Record of Water Right Certificates numbered 76259.

T-6941.SB

T-6867- Proposed changing all PODS to POAS - With drawl-no changes

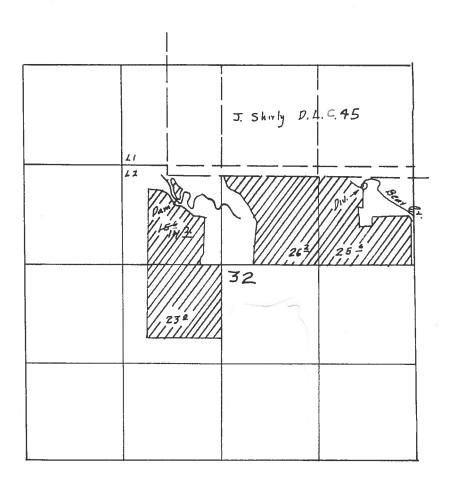
T-6867- Proposed changing: POA well#7 (T6867) to POA WEIL#2 &

T-8333- Proposed changing: POA well#7 (T6867) to POA WEIL#2 &

Acress associated w/ EVEIL#1 - 142 Ac SE/NW

Pending - nothing affected year

T. 45., R. 1 E., W.M.



# FINAL PROOF SURVEY

App. No 21449 Permit No. 16827 IN NAME OF

I. R. Hanson

Surveyed July 8 1953 by H. L. Coffman

60/67

#### STATE OF OREGON

COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

#### This Is To Certify, That I. R. HANSON

of Route 2, Box 31:0, Canby , State of Oregon , has made proof to the satisfaction of the STATE ENGINEER of Oregon, of a right to the use of the waters of

Bear Creek and an unnamed tributary of Bear Creek, a tributary of Pudding River

for the purpose of

irrigation under Permit No. 16827 of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from March 4, 1946

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 1.07 cubic foot per second, being 0.65 c.f.s. from Bear Creek and 0.42 c.f.s. from the unnamed stream,

or its equivalent in case of rotation, measured at the point of diversion from the stream. The point of diversion is located broker From unnamed tributary: in Lot 2 (SE NW 1);

From Bear Creek: in Lot 4 (SE 1 NE 1), all boing within Section 32, Township 4 South, Range 1 East, W. H.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to one-eightieth of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre feet per acre for each acre irrigated chring the irrigation season of each year,

and shall

conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

From Unnamed Tributary:
14.2 acres in Lot 2 (SE NW1)
23.0 acres in the NE SW1
Section 32
Township 4 South, Range 1 East, W. M.

Land on which water is to be used is a part of that more explicitly described by appropriator as follows:

Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. 4 S. R. 1 E. of the W.M. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of beginning. ALSO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32.00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. ALSO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W.M., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. 4 S. R. 1 E. of the W.M., thence East 200 feet, more or less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 124 at page 437 of Deed Records of Clackamas County, State of Oregon; thence South along the East line

of said Hilton tract of land, 100 feet, more or less to the Southeast corner thereof; thence West along the South line of said Hilton land 200 feet, more or less to the West line of said James Wilson land; thence North on the West line of said James Wilson land, 100 feet, more or less, to the place of beginning.

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described.

WITNESS the signature of the State Engineer, affixed

. this 30thday of April

, 154

GHAS. L. ETPICILIPI

State Engineer

Recorded in State Record of Water Right Certificates, Volume 15, page 20101

## **Platcard Report**

Township 4S Range 1E Section 32

						N	E	À		N	IW		-	S	W			S	E			
	App# Priority	Permit/ Certificate	Claim/ Decree	Status dic/lot	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	NE	NW	sw	SE	Govt Lot	DL
0	07/19/1967	G3751 -		xfr#: T7669 dlc: 45	14.9 IR	9.0 IR			9.8 IR													
9	Ga 5629 09/23/1971	G4921 68565		see transfers									8.2 IR	5.0 IR	21.2 IR	37.2 IR		21.2 IR	27.8 IR			
/	09/23/1971			see transfers									23.0 IS (s)									
~	09/23/1971			see transfers lot: 2	-							14.0 IS (s)										
0	5A 157 52 03/26/1951	S20153 33567	Not Sich In	xfr#: P69 dlc: 45	16.5 IR			1.5 IR														
0	G3997 07/19/1967	G3751 38513		CN dlc: 45	14.9 IR CN	9.0 IR CN			9.8 IR CN													
0	05629 09/23/1971	04921 43219		(CN)									8.2 IR CN	5.0 IR CN	21.2 TR CN	37.2 IH CN	All grands and all little is	21.2 IR CN	27.8 IR CN			
-	09/23/1971			CN									23.0 IS (6) CN						-	toomia.		
	09/23/1971			CN lot: 2								14.0 IS (s) CN	- I			- LA-			-			b.
0	G13884 11/21/1994	G12520										-	-	1.95 AG	1.32 AG							

Page:1 2 Next Last

#### Return to Platcard Query Screen

Paul R. Cleary, Director

Oregon Water Resources Department • 725 Summer ST NE, Suite A • Salem, OR 97301 • Phone: 503-986-0900 • Fax: 503-986-0903

Run Time: 1 seconds

## **Platcard Report**

Township 4S Range 1E Section 32 SW SE NE NW SE Govt DLC Permit/ Claim/ Status App# NW SW SE NE NW SE NE NW SW SE NE SW dlc/lot Priority Certificate Decree TO Ar WEST G13951 01/26/1995 23.5 3.5 11.0 32.0 G13012 IR IR G13347 16.72 G14490 04/07/1997 40.0 23.0 23.85 40.0 25.6 23.85 G15567 NU NU NU NU NU NU' 07/25/2001 P78128 LV 12/20/1994 S21449 23.0 S16827 see transfers 03/04/1946 20401 14.2 see transfers 03/04/1946 lot: 2 see transfers 26.2 IR 03/04/1946 lot: 3 25.6 see transfers 03/04/1946 IR 1.5 CN 16.5 S20153 S25757 03/26/1951 22340 dlc: 48 CN CN

Page: First Previous 1 2

Return to Platcard Query Screen

Paul R. Cleary, Director

Oregon Water Resources Department • 725 Summer ST NE, Suite A • Salem, OR 97301 • Phone: 503-986-0900 • Fax: 503-986-0903

Run Time: 0 seconds

SEE MAP 5 IZ

4 IE 32

Application No 0-78128
Permit No. STA

#### STATE OF OREGON

RECEIVED

WATER RESOURCES DEPARTMENT

DEC 2 0 1994

#### NOTICE OF EXEMPT RESERVOIR

NATER RESUUNCES DEPT. SALEM, OREGON

This notice is submitted pursuant to ORS 537.141, which provides that a water right is not needed for certain ponds/reservoirs which were in existence before January 1, 1993, are located off-channel and store less than 9.2 acre-feet of water or have a dam less than 10 feet in height.

Lando	owner:	A	, Joel N	evschu	ander	/	a del (1)	sita izu-e.
Auth	orized	Agent:	(if applicable)				36 10 7	_Tels   In 1
Addr	ess:	609	7 So.	Whiske	es Hill	Rd.	es unga	
H	ubbas	1,	Or. State	97	232		503-6	<i>51-3253</i> ne No.
Ci	ty		State	Zi	р		Telépho	ne No.
I/WE	SUBMI	T NOTICE	OF THE FOI	LOWING F	ESERVOI	R(S):		
reser same	voirs a	are within	oirs may be in the same owne For items 1- s.	rship, on	contiguo	us prop	erty and	within the
1.	Count a ta Copie info	ty. (Enc.		eologica the loc the map	in l Survey cation os are	topo of the accer	kum a graphic ne resentable,	al map or rvoir(s).
2.	Sourc	e of wat	er: <u>Ru</u>	noff				•
3.	Maxi	mum heigh	t of the dar	n:	2,6	8	STAR 19	<u> </u>
4.	Maxi	mum water	depth in the	ne reserv	oir:	10)	10,	3
5.	Maxi	mum stora	ge capacity	of reser	voir (	2AF	58 4F	, TAF.
6.	Size	11	otion and lo	cation o	of any c	utlet	pipe:	12"
	•	•		gara ex		Q	91 J.	•
7.	Enclo	ose evide 993, sucl	ence that th n as one or	e reserv	oir(s) e the fol	existe lowin	ed befor	e January
L	1.1	A dated above, }	aerial phot pelow and su	ograph w ırroundir	hich sho	ows th	e immed	iate area
	7.2		idavit sig geable perso				wner o	
, L	1.3		map prepare the location					al agency
	7.4	Constru	ction receir	its or of	her for	me of	documo	ntation

Declaration by Owner/Authorized Agent:

Each of the reservoirs described herein was in existence before January 1, 1993, is located off-channel and stores less than 9.2 acre-feet of water or has a dam less than 10 feet in height.

I/We believe the reservoir(s) qualifies under ORS 537.141 and OAR 690-11-041 for exemption from Oregon's water right filing requirements.

Notice to Owners/Authorized Agent:

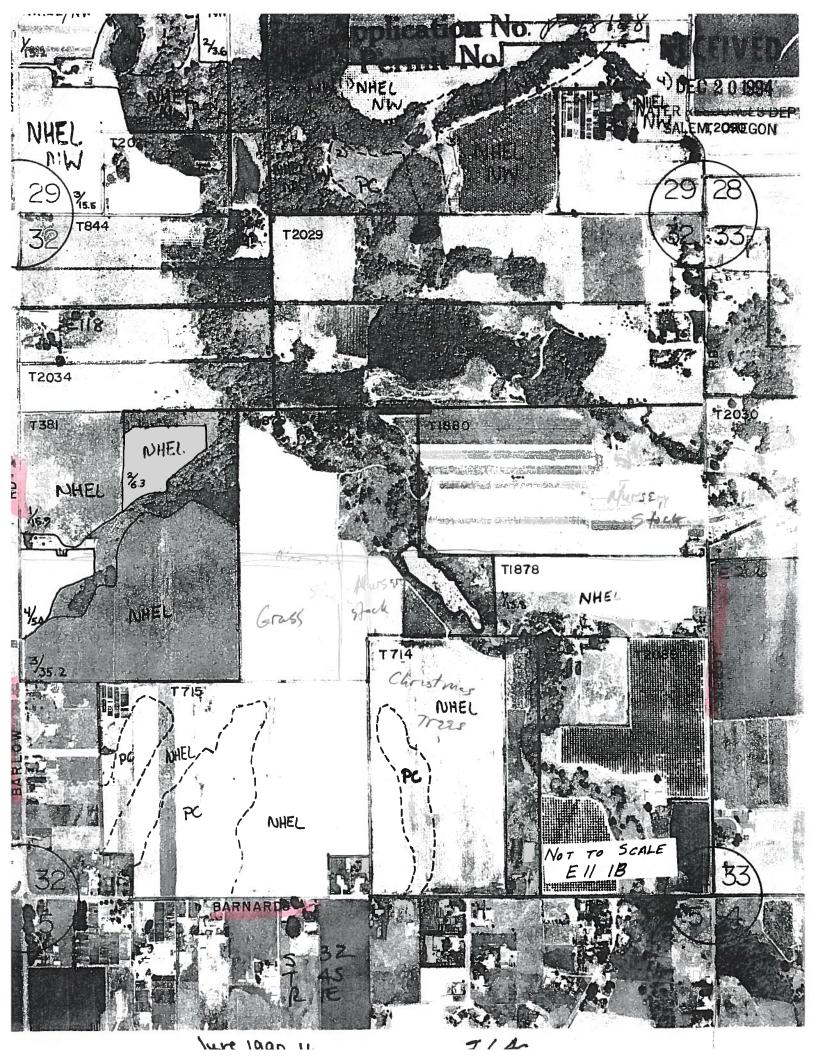
Reservoirs that qualify for exemption under ORS 537.141 and OAR 690-11-041 shall be subject to the following conditions:

- 1. The right to store or use water in the reservoir shall not have priority over any water right; and
- 2. The right to store and use water in the reservoir(s) shall be subordinate to all future permitted or certificated water rights.

THE UNDERSIGNED VERIFIES THAT TO THE BEST OF HIS/HER KNOWLEDGE AND BELIEF THE INFORMATION CONTAINED IN THIS NOTICE IS TRUE, CORRECT AND COMPLETE.

ad I ne al a De -

Landowner/agent signature:
(Print Name and Title) A. Joel Neuschward et
Date: 17/14/94
FOR WATER RESOURCES DEPARTMENT USE ONLY
The foregoing Notice and accompanying data have been examined by
authorized staff of the Water Resources Department. Based on
review of the information submitted, this Notice is accepted on
, 1994 and assigned FILE NUMBER
cc: Watermaster District # To Data Center (date)





# Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. Thank you.

1	. APPLICANT INFORMATIO	JUL 2 5 2001
A. Individuals		WATER RESOURCES DEPT
Applicant: <u>Joel Neus</u>	CHWANDER	SALEM, OR
Co-applicant:		Last
Mailing address: 6097	5. WHISKEY HI	LL ROAD
HUBBARD City	OR State	97032 Zip
Phone: (503) 651 - 32	-53	
Fax:	Work	Other
Name of organization:		atives, public and municipal corporations)
Name and title of person applyin	g:	
Mailing address of organization:		
City	State	Zip ,
Phone:	Evening	Karagaran da Masada yan Sessiala
Fax:		
ptional information	*E-Mail address:	
processing and a second		
	For Department Use	uteja Posisionell
App. No. <u>G-15567</u>	Permit No	Date 7-25-0/

#### 2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?	
Yes (Skip to section 3 "Ground water Development.")	
□ No Please check the appropriate box below.	
<ul> <li>I have a recorded easement or written authorization permitting access.</li> <li>I do not currently have written authorization or easement permitting</li> </ul>	
access.	
List the names and mailing addresses of all affected landowners.*	
A second	2, 211
The state of the s	
*If more than 25 landowners are involved, a list is not required. See instructions.	
3. GROUND WATER DEVELOPMENT	
A. Number of well(s): 2 B. Name of nearest surface water body: BEAR CREE	<u>K</u>
C. Distance from well(s) to nearest stream or lake: 1) 14 and 2 MILE	
2) 3) 4)	
D. If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1)	າ 
2) 25 ( 3)4)	
E. Well Characteristics	
Wells must be constructed according to standards set by the Department for the construction and mainter water wells. If the well is already constructed, please enclose a copy of the well constructor's log and the w number, if available, for each well with this application. Identify each well with a number corresponding to wells designated on the map and proceed to question F in this section of the form. If the well has not been estructed, or if you do not have a well log, please complete the following:	vell ID o
Well(s) will be constructed by: SEE ARTACHED WELL LOGS.  WELL LOG CLAC 51287 AND CLAC 12700	
Address:	
	1
Completion date:	
Completion date:	
JUL 2 5 2001   U	
Ground Water/2 WATER RESOURCES DEPT	
Ground Water/2 WAIER RESOURCES DEPT SALEM, OR	

#### 2. Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
			SEE	ATTACE	ED WE	LL LO	. کی	1-1-34	L
								20 1 522	
	4		- 14-						
		#							
1 -	- 1-455				_				
		- 15 ac.	Christ	galahar ar	f.saceurit	(164 1105	TESTESTES		1, 12d

	N/a	Control of the Control of the		= 0		N/ E
6 (4) 2)	20 200 000			EG	3 1	WE
7	e la	Bin his his od Ledi store sin	11	JUL	25	2001

#### 4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

#### A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- Permit No. • If your proposed use is domestic, indicate the number of households to be supplied with water:
- If your proposed use is irrigation, please attach Form I
- If your proposed use is mining, attach Form R
- If your proposed use is municipal or quasi-municipal, attach Form M
- If your proposed use is commercial/industrial, attach Form Q

#### **B.** Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifier, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	ARNIFER	(AGRICULTURAL USE)	500gpm		500 gpm
2	AQUIFER	NURSERY WE (AFRICHLTURAL USE)	220 gpm		220gpm
1					

C. Maximum Rate of Use Requested  What is the maximum, instantaneous rate of water that will be used? 720 gpm  (The fees for your application will be based on this amount.)
D. Period of Use Indicate the time of year you propose to use the water: YEAR—ROUND  (For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1—October 31.)
E. Acreage If you will be applying water to land, please give the total number of acres where water will be applied or used:  (This number should be consistent with you application map.)
5. WATER MANAGEMENT
A. Diversion  What equipment will you use to pump water from your well(s)?  Pump (give horsepower and pump type)  Other means (describe)  Ditch or canal (give average width and depth)  Width  Depth  Is the ditch or canal to be lined?  Yes  No
Diameter 4" MMINLINE Length (2) QUARTER MILE MAINLINES  Other (describe) INTO HAND LINES, then 18" RiseRs.

Irrigation or land application	on method (check all that apply):	
□ Flood	☐ High-pressure sprinkler	Low pressure sprinkler
□ <b>D</b> rip	□ Water cannons	☐ Center pivot system
√2 Hand lines	□ Wheel lines	
☐ Siphon tubes or ga	ted pipe with furrows	
☐ Other, describe		
Distribution method		
☑ Direct pipe from so	urce   In-line storage (tank or por	nd)   Open canal
D. Conservation What methods will you us method? For example, if need additional space, att	e to conserve water? Why did you ch you are using sprinkler irrigation rathe tach a separate sheet.	noose this distribution or applicatio er than drip irrigation, explain. If yo
HAND LINE	5 .	RECEIVER
	tama seranadajn <sub>ili</sub> nos lacoj ritim slovas	
or reflex parts	COR of CART WALL and Alleman Size	JUL 2 5 2001
		10 11 001 23 2001 112
	6. PROJECT SCHEDULE	WATER RESOURCES DEPT SALEM, OR
Indicate the anticipated dates the begun, or is completed, please	that the following construction tasks should indicate that date.	d begin. If construction has already
Proposed date construction	on will begin 1 August 200	1
Proposed date construction	on will be completed 1 Augu	57 2001
Proposed date beneficial	water use will begin 1 Au6	LUST 2001
	7. REMARKS	
If you would like to clarify any the specific application questio WE APPLY HERE FOR TERIGHTED UNDER D	information you have provided in the app on you are addressing. 89 a cves of ARCCULURE USE @ ERMIT 16827 (CENTRICHE 20	lication, please do so here and reference  2.5 AF/ac for all LANDS  2401) = 272.5 AF
AND WE APPLY FOR S	85.09 acres of Nursery USERS	5 AF/ac = 425 45 AF
Mass 4	er i raine eren i eren i sancio e e e e e e e e e e e e e e e e e e e	
	The many results at the	
	Application No	8137

Ground Water/5

#### 8. MAP REQUIREMENTS

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

#### 9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:

WATER RESOURCES DEPT

SALEM, OR

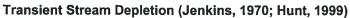
Signature of Co-applicant

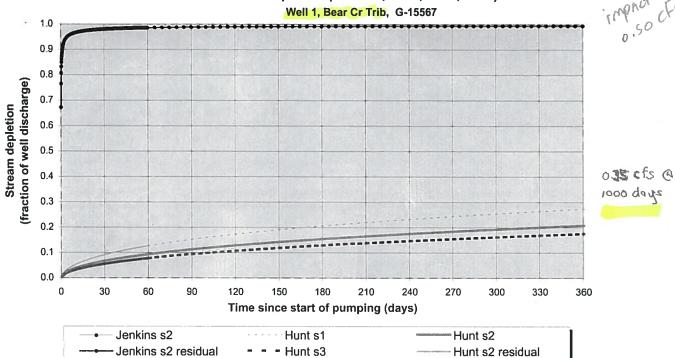
#### Before you submit your application be sure you have:

usch.

Answered each question completely.

- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.



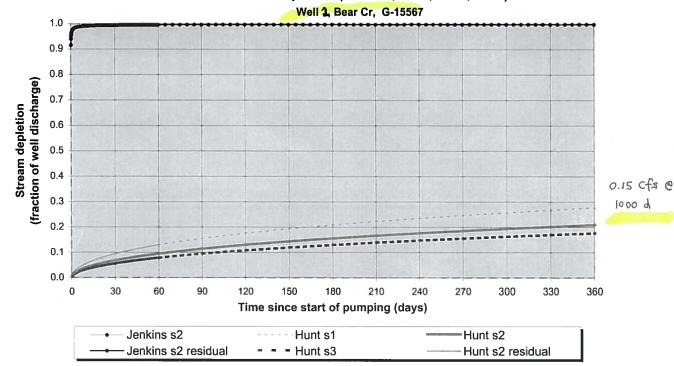


Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 1000 days

			,		_,.				_			
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0670	0.0934	0.1129	0.1288	0.1425	0.1545	0.1654	0.1753	0.1844	0.1929	0.2008	0.2083
Qw, cfs	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114
H SD s2, cfs	0.075	0.104	0.126	0.144	0.159	0.172	0.184	0.195	0.205	0.215	0.224	0.232

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	500	500	500	gpm
Distance to stream	а	1000	1000	1000	ft
Aquifer hydraulic conductivity	К	20	40	60	ft/day
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т	1400	2800	4200	ft*ft/day
Aquifer storage coefficient	S	0.0001	0.0001	0.0001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.01	0.01	0.01	ft/day
Streambed thickness	bs	8	8	8	ft
Streambed conductance	sbc	0.0125	0.0125	0.0125	ft/day
Stream depletion factor (Jenkins)	sdf	0.071428571	0.035714286	0.023809524	days
Streambed factor (Hunt)	sbf	0.008928571	0.004464286	0.00297619	

#### Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)

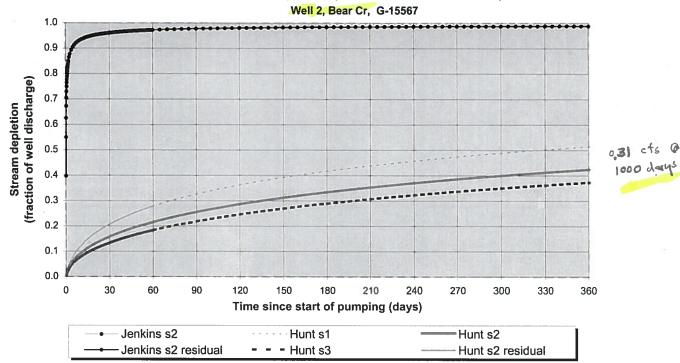


Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 1000 days

Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.0685	0.0949	0.1144	0.1303	0.1439	0.1559	0.1668	0.1766	0.1857	0.1942	0.2021	0.2096
Qw, cfs	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490
H SD s2, cfs	0.034	0.047	0.056	0.064	0.071	0.076	0.082	0.087	0.091	0.095	0.099	0.103

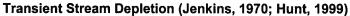
Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	220	220	220	gpm
Distance to stream	а	250	250	250	ft
Aquifer hydraulic conductivity	К	20	40	60	ft/day
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	T	1400	2800	4200	ft*ft/day
Aquifer storage coefficient	S	0.0001	0.0001	0.0001	- 11
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.01	0.01	0.01	ft/day
Streambed thickness	bs	8	- 8	8	ft
Streambed conductance	sbc	0.0125	0.0125	0.0125	ft/day
Stream depletion factor (Jenkins)	sdf	0.004464286	0.002232143	0.001488095	days
Streambed factor (Hunt)	sbf	0.002232143	0.001116071	0.000744048	

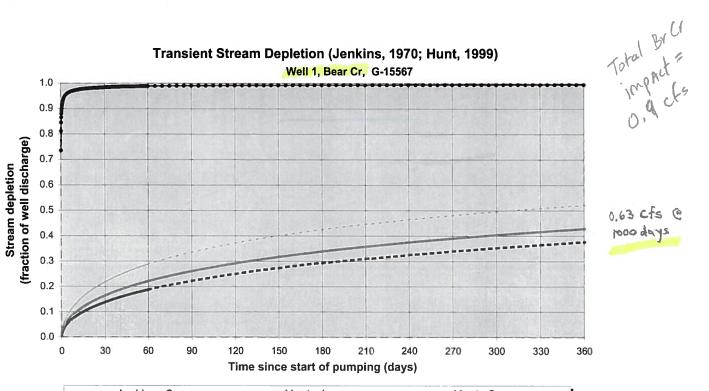
#### Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 1000 days 60 30 90 120 300 330 360 Days 150 180 210 240 270 0.1586 0.2160 Hunt SD s2 0.2559 0.2870 0.3127 0.3346 0.3537 0.3707 0.3860 0.3999 0.4126 0.4244 Qw, cfs 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 0.490 H SD s2, cfs 0.078 0.106 0.125 0.189 0.141 0.153 0.164 0.173 0.182 0.196 0.202 0.208

Parameters:	177	Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	220	220	220	gpm
Distance to stream	а	2000	2000	2000	ft
Aquifer hydraulic conductivity	K	20	40	60	ft/day
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т	1400	2800	4200	ft*ft/day
Aquifer storage coefficient	S	0.0001	0.0001	0.0001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.01	0.01	0.01	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.033333333	0.033333333	0.033333333	ft/day
Stream depletion factor (Jenkins)	sdf	0.285714286	0.142857143	0.095238095	days
Streambed factor (Hunt)	sbf	0.047619048	0.023809524	0.015873016	

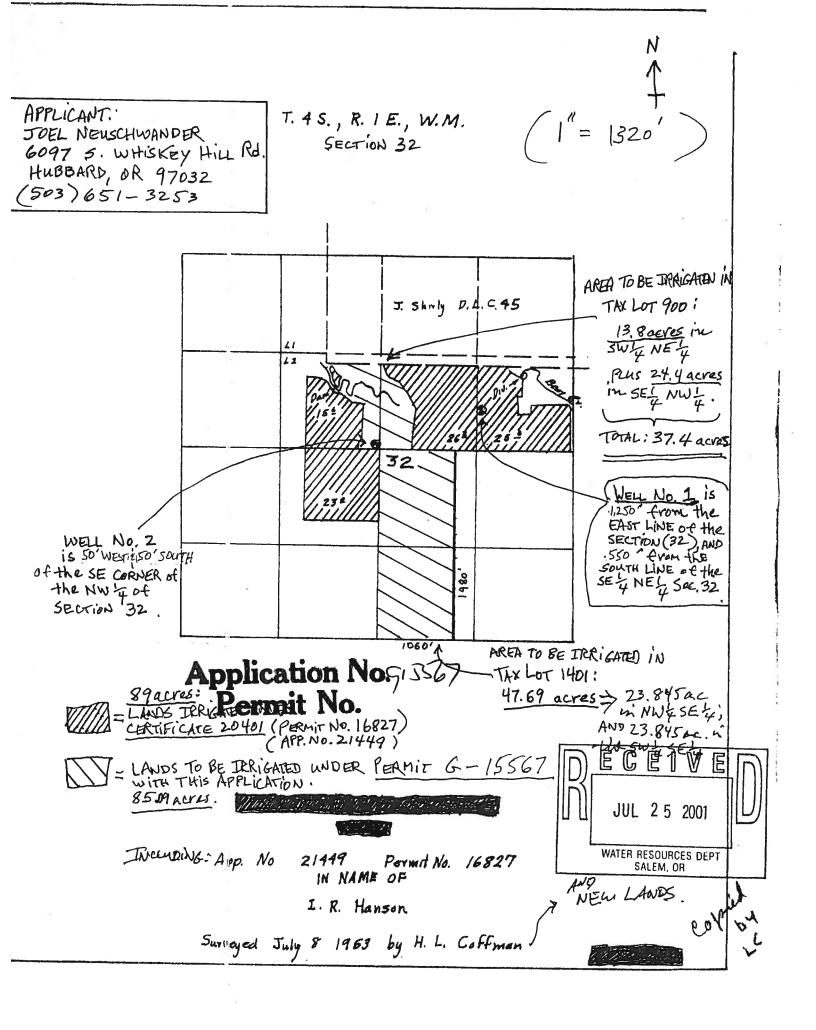




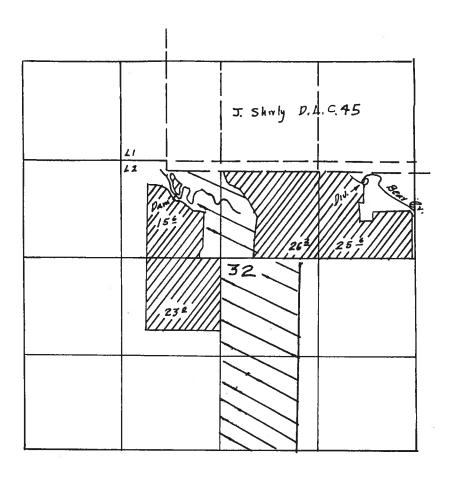
Jenkins s2 ----- Hunt s1 Hunt s2 - - - Hunt s3 Jenkins s2 residual Hunt s2 residual

Output for H	Dutput for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 1000 days											
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.1644	0.2215	0.2611	0.2920	0.3175	0.3392	0.3582	0.3751	0.3903	0.4041	0.4168	0.4284
Qw, cfs	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114
H SD s2, cfs	0.183	0.247	0.291	0.325	0.354	0.378	0.399	0.418	0.435	0.450	0.464	0.477

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	500	500	500	gpm
Distance to stream	а	800	800	800	ft
Aquifer hydraulic conductivity	K	20	40	60	ft/day
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	T	1400	2800	4200	ft*ft/day
Aquifer storage coefficient	S	0.0001	0.0001	0.0001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.01	0.01	0.01	ft/day
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc	0.033333333	0.033333333	0.033333333	ft/day
Stream depletion factor (Jenkins)	sdf	0.045714286	0.022857143	0.015238095	days
Streambed factor (Hunt)	sbf	0.019047619	0.00952381	0.006349206	



T. 4 S., R. 1 E., W.M.



BLUE LINES: New acreage under application G-15567.

BLACK LINES: Acreage under Certificate 20401

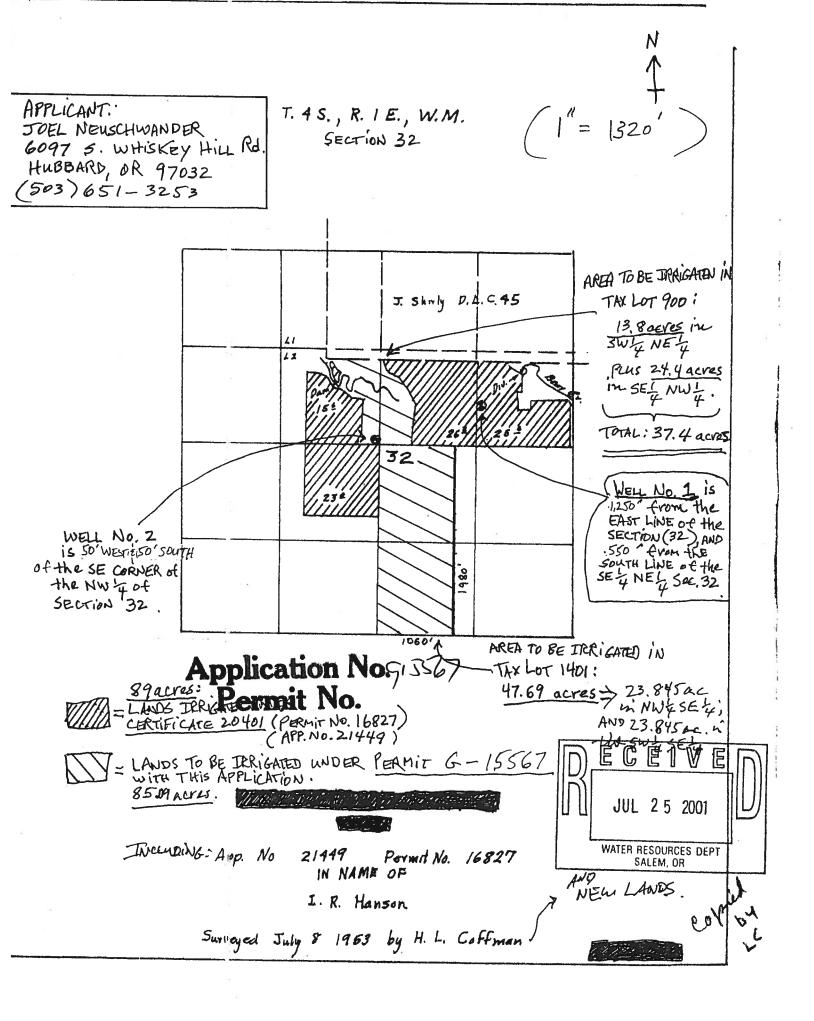
# FINAL PROOF SURVEY

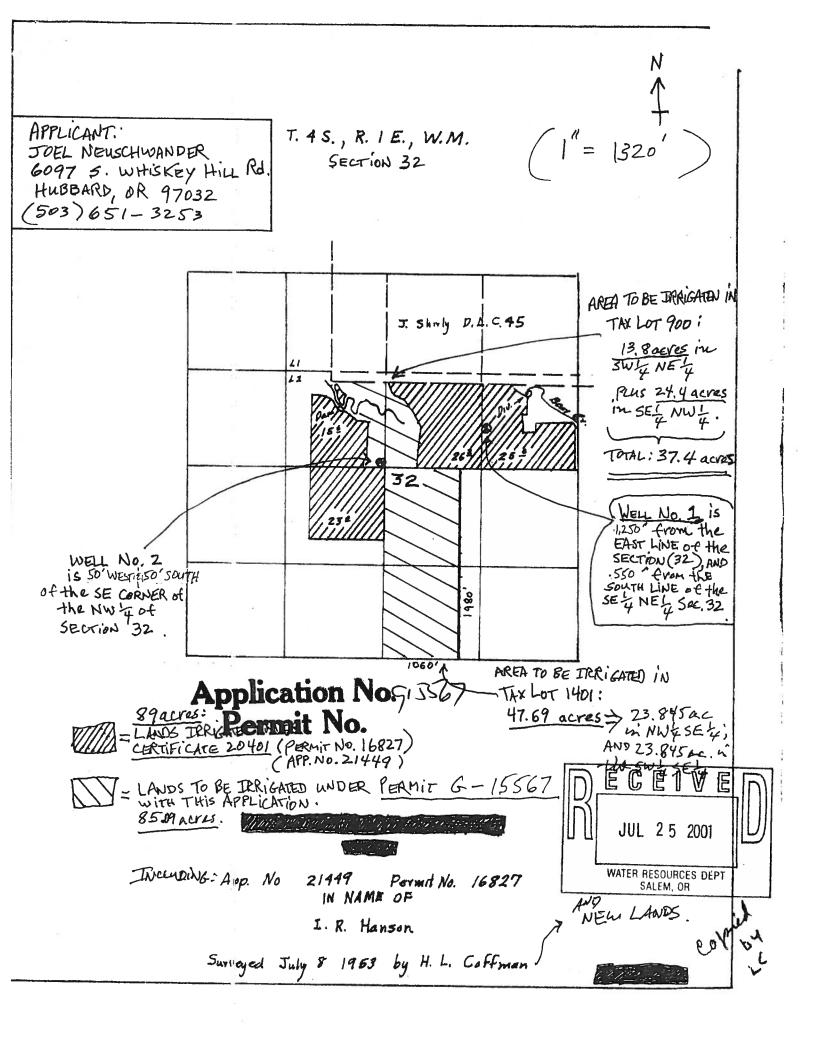
App. No 21449 Permit No. 16827 IN NAME OF

I. R. Hanson

Surveyed July 8 1953 by H. L. Coffman

earlor,





#### FO CHECKLIST

PFO TO FO CONVERSION

Has applicant name and/or address changed; or has the file been assigned?

REVIEW DATE: 244/03 INITIALS: July WM District:

Region Mgr: **ODFW Bio:** 

If new:
In preparing to create the FO, you should check the following:
1. N Were comments received? If so, from whom and when? In to Enforcement 6 W  Respond to significant comments, issues, or disputes related to the proposed use of water (see notes, if any, listed above
2. On the PFO CC list, verify names and mailing addresses of ALL commentors (regardless of comment date, affected landowners, and those who paid the \$10 fee.  Scott Ashcon, 10 Box 4323, Portland of 97208   Malia Kupillas - CWRI
3. Y/N/NA Have affected land owners been notified? If not, refer to #8.
4. Y/N/NA Has ODFW asked for self certification of screening condition? If yes, include fish screening form.
5. Correct PFO errors (such as POD or POU location (verify from map)
6. Are requested GW conditions included in permit? If no, add condition(s):
7. Verify Payment of recording fees (circle the appropriate option)
(1) Issue FO w/permit if fees are paid — Prepare refund request for excess fees, including standing fees if no protest is filed and no modifications are being made to the PFO.
(2) Issue FO w/o permit if fees are lacking. Exam Fee Paid 250
Q fee Subtotal Addnl. TOTAL Q 225  Q fee Subtotal Recording Fee Total Amount Paid  575  Amount Paid
Amount due/refund 3 75  8 Y N Is further processing possible? If not state reason:
FO Type: (circle types) DENIAL
FO w/o PERMIT (REASON: Lacks Fees Lacks Easement Lacks Approved Dam Plans and Specifications)
FO & PERMIT (Permit #)
Once FO document is completed:
9. Save WordPerfect document in S:\GROUPS\WR\FO\WEEK_366
10. Print final draft of document and submit for peer review. Peer Reviewer: 425/93
11. Complete routing list

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above.

8:\groups\wriResource Center\forms\fo\fo check list\_revised.wpd

The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production

PFO CHECKLIST Application #: 6 1556 County (LACKAMAS Basin: Z-W. II Ameth Township 45 Range 1E Section 32 1/4 1/4 Shortcomings preventing PFO, FO, or permit? Y /N \$hould process continue Y / N Groundwater Review A B C D River/Stream Name \_\_\_\_\_ \_2. a Groundwater Availability A B C \_\_b. Is second groundwater review complete? Y / N necessary? Y / N c. Is the well located in a GWLA or CA? Y / (If Y or close include map of POD) Area Is use from BOR / Doug Co. project? Y / N Contract in file? N / Contract # \_\_\_\_\_\_ Is the use allowed by the Basin Program W N Limited V N \_\_\_\_\_ Water Availability Data **ØK ) REDONE / NA** (80% live flow & 50% storage) \_\_ Is the Proposed Use located in or above a SWW? Y IN Division 33/Y/N NA Above Bonn (after July 17, 1992) Y / N Limit to April 15 - September 30 Y / N Below Bonn (after April 8, 1994; June 3, 1994) Y / N add PISPC Y / N Statewide - (in shaded areas on T, E, and S Map - after June 3, 1994) Y / N IR identifies as on DEQ 303d List? Y / N / NA Comments received? Y / N Rate\_ Duty\_\_\_\_\_ Season: Normal Rea \_10. Rate: Max \_11. Small (≤0.1cfs, ≤9.2AF), Medium (>0.1 or <1.5cfs, >9.2 or <100AF) or Large (≥1.5 cfs, ≥100 AF) condition 7I and municipal require the Large condition \_13. Conditions New River Basin or Bonanza? Y / N / NA (see M:\groups\wr\pfo\findings & other lang) Date 2/1/82 Public Notice Date 2/1982 Comment Rec'd VO \_14. **1**5. Filed after 10/23/99? Y / N (if Y A date should be removed) Watermaster Dist: (1 2 16 18 20 - NWR) (3 4 5 21 - NCR) (6 8 9 10 - ER) (11 12 17 - SCR) (13 14 15 19 - SWR) CWRE, representatives or Property owners to notify? Y /(N)\_ summary:

tials: Date:

	IR CHECKLIST
Divers	Application #: G 15567  ion Info: County CLACKAMAS Basin: 2-WILLAmeth WID: 151  Township 45 Range 15 Section 32 1/4 1/4 SW NE   NW SE    SENE SW SE  SENW NESW
2.	Groundwater Review  (a. PSI(A) B C D River/Stream Name  (b. Groundwater Availability A B C)  (c. Is the well located in a GWLA or CGWA: Y) N (If in an area include map showing POD)
$\int_{3}$	Is the well located in T1N R3E Sec 20, 21, 28, 29 Y / N
<u>6</u> ,	Allowed under Basin Program Y / N Limitations? Y / N
<u></u>	Withdrawn? (Y) / N season allowed
<u>_</u> S.	SWW Y / (if Y notify state parks)
19.	Water Availability (80% live flow / 50% storage) NA Hydra Connected , 11/1- 5/1- at 80%.
	DIVISION 33 Y)/ N /N Above Bonn Y / N (7/17/92) Below Bonn Y)/ N (4/8/94) Statewide Y / N (6/3/94) map date
10.	Rate/Duty/Season Requested NARSERY USE - 174.09 AC/ 1.6 CFS/ YV-Round Allowable NATSERY USE - 174.09 AC/ 1.6 CFS/ YV-Round Allowable NATSERY USE - 174.09 AC/ 1.6 CFS/ YV-Round Allowable NATSERY USE - 174.09 AC/ 1.6 CFS/ YV-Round Allowable NATSERY USE - 174.09 AC/ 1.6 CFS/ YV-Round Allowable NATSERY USE - 174.09 AC/ 1.6 CFS/ YV-Round
<u></u>	B.O.R. or Doug Co. project Y/N contract #
<u></u>	Condition $S(\leq 0.1, \leq 9.2)$ , $M(\geq .0.1 \text{ or } \leq 1.5 \text{ CFS}, \text{ or } \geq 9.2 \text{ or } \leq 100 \text{AF})$ , $L(\geq 1.5, \geq 100)$ , $BOR(GW)$ etc. $Y$ $N = 7 \text{ E}$
18.	Land use approval OK'd needs approval county notified NA
<u></u>	Watermaster Dist: (1 2 16 18 20 - NWR) (3 4 5 21 - NCR) (6 8 9 10 - ER) (11 12 17 - SCR) (13 14 15 19 - SWR)
15.	DOA 1010(Y)/ N 303D Y (N)
	Is the use located within Oregon Streamflow Restoration Area? Y/N/NA
	Letter format = = Good = Limited = Bad = Bad w/ IRshort = Bad w/ HC Opportunity work with the start of the st
<u></u>	CWRE, representative, etc. to notify? Y (N)
_	

Date: 1-17-02

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated

The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

### **Analysis for Application: G15567**

Location: 4.00 S-1.00 E-32-nesw

Uses: NU 23.000 (P)

**Basins** 

BASIN_NUM	BASIN_NAME
2	Willamette

Records Found: 1

WaterMaster Districts

WATERDIST	REGION
16	NW

Records Found: 1

WAB

BASIN	WID	LINK_1
2	151	Water Availability: 50% 80%

**Records Found: 1** 

**County** 

COUNTY	FIPS
Clackamas	41005

**Records Found:** 1

**Groundwater Restricted Records Found:** 0

**Divison 33 Area** 

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

**Records Found: 1** 

303D Streams Records Found: 0

Location: 4.00 S-1.00 E-32-senw

Uses: NU 40.000 (P)

**Basins** 

BASIN_NUM	BASIN_NAME
2	Willamette

**Records Found: 1** 

WaterMaster Districts

WATERDIST	REGION
16	NW

**Records Found: 1** 

 $\underline{\mathbf{WAB}}$ 

BASIN	WID	LINK_1
2	151	Water Availability: 50% 80%

**Records Found: 1** 

**County** 

COUNTY	FIPS
Clackamas	41005

**Records Found: 1** 

**Groundwater Restricted Records Found: 0** 

**Divison 33 Area** 

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

**Records Found: 1** 

303D Streams Records Found: 0

Location: 4.00 S-1.00 E-32-swse

Uses: NU 23.850 (P)

#### **Basins**

BASIN_NUM	BASIN_NAME
2	Willamette

**Records Found: 1** 

#### WaterMaster Districts

WATERDIST	REGION
16	NW

Records Found: 1

#### **WAB**

BASIN	D LINK_1	
2 15	Water Ava	ilability: <u>50%</u> <u>80%</u>

Records Found: 1

#### **County**

COUNTY	FIPS
Clackamas	41005

Records Found: 1

**Groundwater Restricted Records Found:** 0

#### **Divison 33 Area**

DIV33	
In a Div33 area	

Records Found: 1

#### Rule 4D

RULE4D		
Ι'n	я	Rule4D Area

Records Found: 1

303D Streams Records Found: 0

Location: 4.00 S-1.00 E-32-nwse

Uses: NU 23.850 (P)

**Basins** 

BASIN_NUM	BASIN_NAME
2	Willamette

**Records Found: 1** 

WaterMaster Districts

WATERDIST	REGION
16	NW

Records Found: 1

**WAB** 

BASIN WID	LINK_1
2 151	Water Availability: 50% 80%

**Records Found:** 1

**County** 

COUNTY FIPS
Clackamas 41005

Records Found: 1

**Groundwater Restricted Records Found: 0** 

Divison 33 Area

DIV33
In a Div33 area

**Records Found:** 1

Rule 4D

RULE4D
In a Rule4D Area

**Records Found: 1** 

**303D Streams** Records Found: 0

· ( )

**Location: 4.00 S-1.00 E-32-swne** 

Uses: NU 40.000 (P)

#### **Basins**

BASIN_NUM	BASIN_	NAME
2	Willame	tte

Records Found: 1

#### WaterMaster Districts

WATER	DIST REGION
16	NW

**Records Found:** 1

#### **WAB**

BASIN WID	LINK_1
2 151	Water Availability: 50% 80%

Records Found: 1

#### **County**

COUNTY	FIPS
Clackamas	41005

**Records Found:** 1

**Groundwater Restricted Records Found:** 0

#### **Divison 33 Area**

DIV33
In a Div33 area

**Records Found: 1** 

#### Rule 4D

RULE4D		
In	a Rule4D Area	

Records Found: 1

303D Streams Records Found: 0

Location: 4.00 S-1.00 E-32-sene

Uses: NU 25.600 (P)

**Basins** 

BASIN	NUM	BA	SIN	NAME
2		Willamette		

**Records Found: 1** 

**WaterMaster Districts** 

WATERDIST	REGION
16	NW

**Records Found:** 1

**WAB** 

BASIN WID	LINK_1
2 151	Water Availability: 50% 80%

**Records Found:** 1

**County** 

COUNTY FIPS
Clackamas 41005

Records Found: 1

**Groundwater Restricted Records Found: 0** 

**Divison 33 Area** 

DIV33
In a Div33 area

Records Found: 1

Rule 4D

RULE4D
In a Rule4D Area

Records Found: 1

303D Streams Records Found: 0

#### STATE OF OREGON

COUNTY OF CLACKAMAS

#### CERTIFICATE OF WATER RIGHT

#### This Is To Certify, That I. R. HANSON

of Route 2, Box 310, Canby , State of Oregon , has made proof to the satisfaction of the STATE ENGINEER of Oregon, of a right to the use of the waters of Bear Creek and an unnamed tributary of Bear Creek,

a tributary of Pudding River

for the purpose of

under Permit No. 16827 of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from March 4, 1946

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 1.07 cubic foot per second, being 0.65 c.f.s. from Bear Creek and 0.42 c.f.s. from the unnamed stream,

or its equivalent in case of rotation, measured at the point of diversion from the stream. The point of diversion is located broke From unnamed tributary: in Lot 2 (SE4 NW4); From Bear Creek: in Lot 4 (SE1 NE4), all boing within Section 32, Township 4 South, Range 1 East, W. H.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to one-eightieth of one cubic foot per second per acre, or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre feet per acre for each acre irrigated chring the irrigation season of each year.

and shall

conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

From Bear Creek:

26.2 acres in Lot 3 (SW1 NE1)
25.6 acres in Lot 4 (SE1 NE1)
Section 32
Township 4 South, Range 1 East, W. M.

From Unnamed Tributary:
14.2 acres in Lot 2 (SE NW 1)
23.0 acres in the NE SW 1
Section 32
Township 4 South, Range 1 East, W. M.

Land on which water is to be used is a part of that more explicitly described by appropriator as follows:

Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. 4 S. R. 1 E. of the W.M. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of beginning. ALSO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32.00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. ALSO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W.M., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. 4 S. R. 1 E. of the W.M., thence East 200 feet, more or less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 124 at page 437 of Deed Records of Clackamas County, State of Oregon; thence South along the East line

of said Hilton tract of land, 100 feet, more or less to the Southeast corner thereof; thence West along the South line of said Hilton land 200 feet, more or less to the West line of said James Wilson land; thence North on the West line of said James Wilson land, 100 feet, more or less, to the place of beginning.

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described.

WITNESS the signature of the State Engineer, affixed

. this 30thday of Arril

194

CHAS L. FTRICTIM

State Engineer

Recorded in State Record of Water Right Certificates, Volume 15, page 20401

COMMISSION LHATE HORSE & LYON

### WITHDRAWN BY STATE ENGINEER'S ORDER

### CLACKAMAS COUNTY

- Corral Creek Vol. 7, Page 226, August 7, 1951
- Vol. 7, Page 71, September 22, 1950
- / Hatton Creek Vol. 7, Page 74, September 22, 1950
- Memaloose Creek & South Fork Clackamas River Vol. 2, Page 129, January 16, 1931

Pock Creek Vol. 7, Page 229, August 13, 1951

Wade Creek (also known as Stuby Creek) Vol. 7, Page 368, May 19, 1952

- x Including tributaries in T. 3 S., R. 1 & 2 W.W.M., except for storage and appropriation of stored water.
  - West part of T. 3 S., R. 4 E., W.M., except for storage and appropriation of stored water.
- Including tributaries, in Section 25, T. 2 S., R 2 E., W.M., and Section 19, T. 2 S., R. 3 E., W. M., except for storage and appropriation of stored water.
- Including tributaries appropriated to the City of Oregon City and West Linn to the exclusion of alguent appropriations.
- \* Including tributaries, a tr of the Pudding River in the half of Section 25, 2. 4 S. W. M., except for storage a priation of stored water.
- × Including tributaries in Se 21, 22, 26 and 27, T. 3 S., W.M., except for storage an priation of stored water.

### · COLUMBIA COUNTY

Little Creek
Vol. 7, Page 228,
August 13, 1951 \* tentor for the Company of the Co

Including tributaries, in Sections 35 and 36, T. 4 N., R. 2 W.W.M., and Section 1, T. 3 N., R. 2 W. W.M., except for storage and appropriation of stored water.

#### COOS COUNTY

Ferry Creek and Geiger Creek Vol. 11, Page 137, April 13, 1961 Above confluence of Ferry & Geiger Creeks including tributaries, in Sections 29 and 32, T. 28 S, R. 14 W. W.M., Section 4, 5 & 9, T 29 S, R. 14 W., appropriated by the City of Bandon for municipal use to the exclusion of all subsequent applications.

Deschutes Conty

natural flows of the Middle Fork Santiam River or its tributaries below 110 cubic feet per second plus waters released from storage of up to 260 cubic feet per second

measured at the aforementioned gage;

(b) The South Santiam River or its tributaries above USGS — Corps of Engineers — State Engineer Gage 14187500 (SW 1/4 NW1/4 Section 28, Township 12 South, Range 1 West) at Waterloo, Oregon, for natural flows of the South Santiam River below 170 cubic feet per second plus waters released from storage of up to 930 cubic feet per second measured at the aforementioned gage;

(c) The North Santiam River or its tributaries above USGS Gage 14181500 (NE 1/4 NE 1/4 Section 34, Township 9 South, Range 4 East) at Niagara, Oregon, for natural flows of the North Santiam River below 500 cubic feet per second plus waters released from storage of up to 640 cubic feet per second measured at the

aforementioned gage;

(d) The North Santiam River or its tributaries above USGSGage 14183000 (NW 1/4 Section 18, Township 9 South, Range 2 East) at Mehama, Oregon, for natural flows of the North Santiam River below 580 cubic feet per second plus waters released from storage of up to 640 cubic feet per second measured at the aforementioned gage;

(e) The North Santiam River or its tributaries above USGS Gage 14184100 (Section 7, Township 10 South, Range 2 West) near Jefferson, Oregon, for natural flows of the North Santiam River below 430 cubic feet per second plus waters released from storage of up to 640 cubic feet per second measured at the

aforementioned gage;

(f) The Santiam River or its tributaries above USGSGage 14189000 (SE 1/4 Section 11, Township 10 South, Range 3 West) at Jefferson, Oregon, for natural flows of the Santiam River below 330 cubic feet per second plus waters released from storage of

up to 1,570 cubic feet per second measured at the aforementioned gage;

(g) The Santiam River or its tributaries above the Santiam River — Willamette River confluence for natural flows of the Santiam River below 320 cubic feet per second plus waters released from storage of up to 1,570 cubic feet per second measured at a point between the said confluence and 1.0 miles above said confluence;

(h)The Calapooia River or its tributaries above USGSGage 14172000 (SE1/4 Section 15, Township 14 South, Range 1 West) at Holley, Oregon, for natural flows of the Calapooia River below 30 cubic feet per second plus waters released from storage or up to 340 cubic feet per second measured at the aforementioned gage;

(i) The Calapooia River or its tributaries above USGS Gage 14173500 (NW 1/4 Section 13, Township 11 South, Range 4 West) at Albany, Oregon, for natural flows of the Calapooia River below 20 cubic feet per second plus waters released from storage of up to 340 cubic feet per second measured at the aforementioned gage.

[ED. NOTE: Table 1 referenced in this rule is not printed in the OAR Compilation.Copies may be obtained from the Water Resources Department.]

Stat. Auth.: ORS 536.220, 536.300, 536.310, 536.340, 536.410, 537.170, 537.356 & 537.358

Hist.: WRD 4-1992, f. & cert. ef. 3-13-92; WRD 12-1992, f. & cert. ef. 9-9-92

Molalla River — Pudding River Subbasin

690-502-120 The Molalla — Pudding Subbasin includes the drainage area of the Molalla and Pudding Rivers upstream from the confluence with the Willamette River near Canby. Surface water classification:

(1) The following streams and tributaries are withdrawn from further

appropriation except storage:

(a) The North and South Forks of Silver Creek above their confluence are withdrawn from further appropriation for any purpose except use in state parks by act of the Legislature, ORS 538.120;

(b) Drift Creek, a tributary of the Pudding River near river mile 51, is withdrawn from further appropriation by order of the State Engineer dated August 8, 1951;

(c) The unnamed stream flowing through Section 25, Township 5 South, Range 2 West, Willamette Meridian and Sections 29, 30 and 32, Township 5 South, Range 1 West, Willamette Meridian, tributary to the Pudding River near river mile 31, is withdrawn from further appropriation by order of the State Engineer dated July 25, 1951;

(d) The unnamed stream flowing through Sections 4, 9 and 10, Township 7 South, Range 1 West, Willamette Meridian, a tributary to Brush Creek near Silverton, is withdrawn from further appropriation by order of the State Engineer

dated September 22, 1950;

(e) Rock Creek, tributary to the Pudding River near river mile 12, is withdrawn from further appropriation by order of the State Engineer dated August 13, 1951.

(2) The Molalla River and tributaries, except the Pudding River and tributaries, are classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, recreation, fish life, wildlife, pollution abatement, wetland enhancement and public instream uses from November 1 through May 31, and only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses from June 1 through October 31.

(3) The following streams and tributaries are classified year-round for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock

and public instream uses only:

(a) Molalla River and Table Rock Fork above their confluence near river mile 40;

(b) Gawley Creek tributary to Molalla River; (c) Pine Creek tributary to Molalla River;

(d) Trout Creek tributary to Molalla River;

(e) North Fork Molalla River tributary to Molalla River;

(f) Cedar Creek tributary to the Molalla River near river mile 24;

(g) Dickey Creek tributary to Molalla River; (h)Milk Creek, and Cedar Creek above their confluence near Union Mills tributary to Molalla River;

(i) Gribble Creek tributary to Molalla River; (j) Ogle Creek tributary to Molalla River.

(4) The Pudding River main stem is classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses from October 1 through April 30 and only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses from May 1 through September 30.

(5) Except as specified in this section, the tributaries of the Pudding River are classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses from November 1 through April 30 and only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses from May 1 through October 31.

(6) The following streams and tributaries are classified for domestic, livestock, irrigation, municipal, industrial, agricultural, commercial, power, mining, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses from December 1 through April 30, and only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock and public instream uses from May 1 through November 30:

(a) Butte Creek tributary to Pudding River; (b) Abiqua Creek tributary to Pudding River.

Stat. Auth.: ORS 536.220, 536.300, 536.310, 536.340, 536.410, 537.170, 537.356 &

537.358

Hist.: WRD 4-1992, f. & cert. ef. 3-13-92; WRD 12-1992, f. & cert. ef. 9-9-92

Tualatin River Subbasin

690-502-130 The Tualatin subbasin includes the drainage area of the Tualatin River upstream from the confluence with the Willamette River near West Linn:

(1) Surface water classification:

(a) The following streams and tributaries are withdrawn from further appropriation except for storage, unless otherwise indicated, by order of the State Engineer on the specified dates:

(A) Unnamed stream flowing through Sections 10, 15, and 21, Township 1 South, Range 3 West, Willamette Meridian, tributary to the Tualatin River, by order dated

August 13, 1951;

(B) Unnamed stream flowing through Sections 32, 33, 34 and 35, Township 1 North, Range 3 West, Willamette Meridian, tributary to Dairy Creek, by order dated

July 25, 1951;

(C) Unnamed stream, known locally as Burris Creek, flowing through northeast part of Township 2 South, Range 3 West, Willamette Meridian, and Sections 5 and 6, Township 2 South, Range 2 West, Willamette Meridian, tributary to the Tualatin River, by order dated July 25, 1951;

(D) Unnamed stream flowing in the south part of Township 1 South, Range 2 West, Willamette Meridian, tributary to the Tualatin River, by order dated August

4, 1950;

(E) Unnamed stream flowing through Sections 19, 29, 30, 31 and 32, Township 1 South, Range 3 West, Willamette Meridian, tributary to the Tualatin River, by order dated August 8, 1950;

(F) Clear Creek and Iler Creek west of the north-south line between Township 1 North, Ranges 4 and 5 West, being tributaries to Gales Creek for the exclusive use of

the City of Forest Grove under permit 12034, by order dated March 2, 1936;

(G) Unnamed branch of Clear Creek within Sections 18, 19, 29 and 30, Township 1 North, Range 4 West, Willamette Meridian, for the exclusive of the City of Forest

Grove under permit 13944 by order dated October 19, 1939.

(b) Except as specified in subsections (a) and (c) of this section, the Tualatin River and tributaries are classified for domestic, livestock, municipal, irrigation, industrial, agricultural, commercial, power in conjunction with storage, fish life, wildlife, recreation, pollution abatement, wetland enhancement and public instream uses from November 1 through April 30, and only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs, livestock, wetland enhancement and public instream uses from May 1 through October 31;

(c) The following streams and tributaries are classified year-round only for domestic, commercial use for customarily domestic purposes not to exceed 0.01 cfs,

livestock and public instream uses:

(A) McFee Creek tributary to Tualatin River; (B)Gales Creek tributary to Tualatin River;

(C) East Fork of Dairy Creek tributary to Dairy Creek;

(D) McKay Creek tributary to Dairy Creek;

(E) Scoggins Creek tributary to Tualatin River.

(2) For the purpose of maintaining a minimum perennial streamflow sufficient to support aquatic life and to minimize pollution and of attaining the highest and best use of waters released from storage, no appropriations of water except for



## Water Availability for WID 151

#### WATER AVAILABILITY TABLE

Water Availability as of 1/1/\*\*\* for

PUDDING R > MOLALLA R - AB MILL CR

 home Watershed ID #: commission

Basin: WILLAMETTE 151

Exceedance Level: 80

 water law water rights

surface water

ground water

maps

iump to:

programs

publications

links

staff

file pickup

intranet

about

search

oregon online

comments

Time:											Date	<b>∋</b> :	31/17	/2002
	Selec	t an	Iten	n Nun	mber	for	More	Det	ails	: 				
Item #	Watershed ID #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	181	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2	69796	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES
3	69998	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES
4	151	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES
					- <b></b> -						<b>-</b>			

#### STREAM NAMES

Water Availability as of 1/1/\*\*\*\* for

PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #: 151 Basin: WILLAMETTE Time: 11:16

Exceedance Level: 80 Date: 01/17/2002

Item Watershed ID Stream Name

181 WILLAMETTE R > COLUMBIA R - AT MOUTH 69796 MOLALLA R > WILLAMETTE R - AT MOUTH

69998 PUDDING R > MOLALLA R - AT MOUTH

151 PUDDING R > MOLALLA R - AB MILL CR

#### LIMITING WATERSHEDS

Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AB MILL CR

Exceedance Level: 80 Basin: WILLAMETTE Watershed ID #: Date: 01/17/2002 Time: 11:16 Water Net Water Mnth Limiting Stream Name Avail? Available Watershed

1	151	PUDDING R	>	MOLALLA R - AB	MILL CR	YES	933.0
2	151	PUDDING R	>	MOLALLA R - AB	MILL CR	YES	1080.0
3	151	PUDDING R	>	MOLALLA R - AB	MILL CR	YES	931.0
4	151	PUDDING R	>	MOLALLA R - AB	MILL CR	YES	711.0
5	69998	PUDDING R	>	MOLALLA R - AT	MOUTH	YES	322.0
6	69796	MOLALLA R	>	WILLAMETTE R -	AT MOUTH	NO	-169.0
7	69796	MOLALLA R	>	WILLAMETTE R -	AT MOUTH	NO	-160.0
8	69796	MOLALLA R	>	WILLAMETTE R -	AT MOUTH	NO	-96.0
9	69796	MOLALLA R	>	WILLAMETTE R -	AT MOUTH	NO	-78.7
10	69796	MOLALLA R	>	WILLAMETTE R -	AT MOUTH	NO	-279.0
11	69796	MOLALLA R	>	WILLAMETTE R -	AT MOUTH	YES	105.0
12	151	PUDDING R	>	MOLALLA R - AB	MILL CR	YES	853.0
Stor	151	PUDDING R	>	MOLALLA R - AB	MILL CR	YES	625000.0

# DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 1/1/\*\*\*\* for WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80 Time: 11:16 Date: 01/17/2002

i i i i i i i i i i i i i i i i i i i	11.10					Dace.	01/11/2002
Month	Natural	CU + Stor	CU + Stor	Expected	Reserved	Instream	Net
	Stream	Prior to	After	Stream	Stream	Water	Water
	Flow	1/1/93	1/1/93	Flow	Flow	Rights	Available
1	27500.00	1960.00	276.00	25300.00	0.00	1500.00	23800.00
2	30000.00	7250.00	273.00	22500.00	0.00	1500.00	21000.00
3	28500.00	6880.00	262.00	21400.00	0.00	1500.00	19900.00
4	25400.00	6590.00	251.00	18600.00	0.00	1500.00	17100.00
5	20700.00	3940.00	237.00	16500.00	0.00	1500.00	15000.00
6	11000.00	1690.00	429.00	8880.00	0.00	1500.00	7380.00
7	6280.00	1660.00	433.00	4190.00	0.00	1500.00	2690.00
8	4890.00	1460.00	401.00	3030.00	0.00	1500.00	1530.00
9	4930.00	1090.00	377.00	3460.00	0.00	1500.00	1960.00
10	5990.00	355.00	179.00	5460.00	0.00	1500.00	3960.00
11	12700.00	502.00	221.00	12000.00	0.00	1500.00	10500.00
12	24800.00	640.00	274.00	23900.00	0.00	1500.00	22400.00
Stor	19700000	2030000	218000	17500000	0	1090000	16400000

#### DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES

Water Availability as of 1/1/\*\*\*\* for WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80
Time: 11:16 Date: 01/17/2002

Ι.					<b></b>	. <b></b>				!
I	Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1										
	1	1694.20	0.00	334.03	99.54	4.54	23.69	77.90	2.69	2240.00
İ	2 j	6981.48	0.00	334.03	99.54	4.54	23.69	77.90	2.69	7520.00
i	з і	6590.19	6.44	334.03	99.54	4.54	23.69	80.37	2.69	7140.00
İ	4	6259.15	42.88	334.03	99.54	4.54	23.69	76.93	2.69	6840.00
i	5	3372.15	292.92	330.18	99.53	4.39	23.69	55.12	2.69	4180.00
i	6	441.45	586.37	907.85	99.28	4.24	23.69	54.79	2.69	2120.00
İ	7	13.80	1001.84	905.03	94.00	4.24	23.69	43.93	2.50	2090.00
İ	8	1.97	785.87	905.03	94.00	4.24	22.28	42.54	2.50	1860.00
i	9	0.65	388.71	902.78	99.23	4.24	22.28	44.99	2.69	1470.00
į:	10 İ	0.15	27.73	332.24	99.28	4.24	22.29	45.63	2.69	534.00
Ė	11 j	192.69	0.00	334.03	99.28	4.54	23.69	66.86	2.69	724.00
į:	12	370.95	0.00	334.03	99.54	4.54	23.69	77.90	2.69	913.00
j		<del>.</del>	<del>-</del>					<del></del>		

# DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 1/1/\*\*\*\* for WILLAMETTE R > COLUMBIA R - AT MOUTH

		******		, 00_0				
Watersh Time:	ned ID #: 11:16	181	Ba	sin: WILI	AMETTE	Exc	ceedance I Date: 01	Level: 80
			F	Reservatio	ons <b>-</b>			<b>-</b>
APP #	0	0	0	0	0	0	0	TOTAL
Status	 	 						
Use						1		
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
j 9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

12	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 1/1/\*\*\*\* for WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: 181 Basin: WILLAMETTE Exceedance Level: 80 Time: 11:16 Date: 01/17/2002 -----ISWRs-181A 0 APP # 0 MAXIMUM Status | Cert. 1500.00 0.00 0.00 0.00 0.00 0.00 0.00 1500.00 1 2 0.00 0.00 0.00 1500.00 0.00 0.00 0.00 1500.00 0.00 3 1500.00 0.00 0.00 0.00 0.00 0.00 1500.00 0.00 0.00 0.00 4 1500.00 0.00 0.00 0.00 | 1500.00 5 0.00 0.00 0.00 0.00 1500.00 0.00 0.00 | 1500.00 0.00 6 1500.00 0.00 0.00 0.00 0.00 0.00 | 1500.00 7 0.00 | 1500.00 1500.00 0.00 0.00 0.00 0.00 0.00 8 1500.00 0.00 0.00 0.00 0.00 0.00 0.00 1500.00 9 1500.00 0.00 0.00 0.00 0.00 0.00 0.00 | 1500.00 10 1500.00 0.00 0.00 0.00 0.00 0.00 0.00 1500.00 11 1500.00 0.00 0.00 0.00 0.00 0.00 0.00 1500.00 12 1500.00 0.00 0.00 0.00 0.00 0.00 0.00 | 1500.00

# DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 1/1/\*\*\*\* for MOLALLA R > WILLAMETTE R - AT MOUTH

		ed ID #: 11:16	69796	Basin:	WILLAMET	ľE		Level: 80 01/17/2002
- 1	Month	Natural	CU + Stor	CU + Stor	Expected	Reserved	Instream	Net
- 1		Stream	Prior to	After	Stream	Stream	Water	Water
ĺ		Flow	1/1/93	1/1/93	Flow	Flow	Rights	Available
j								
Ì	1	1870.00	22.20	37.90	1810.00	0.00	500.00	1310.00
İ	2	2010.00	21.10	36.50	1950.00	0.00	500.00	1450.00
j	3	1830.00	8.36	31.00	1790.00	0.00	500.00	1290.00
į	4	1530.00	11.30	25.20	1490.00	0.00	500.00	993.00

Exceedance Level: 80

I								
000966	1000562	lo	1270000	006LT	32300	1350000	Scor	ĺ
00.0411	00.002	00.0	1640.00	36.50	22.40	00.0071	75	-
00.201	00.002	00.0	00.209	05.71	00.₽T	00.759	TT	
00.672-	00.05₽	00.0	00.171	99.2	OZ.II	00.881	OT	
07.87-	120.00	00.0	08.17	0E.4I	04.84	134.00	6	
00.96-	100.00T	00.0	₽0.₽	09.52	00.111	139.00	8	
00.091-	200.00	00.0	08.68	08.82	136.00	204.00	L	
00.691-	00.002	00.0	00.155	02.02	08.67	431.00	9	
360.00	00.002	00.0	00.098	00.02	08.94	00.726	s	1

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 1/1/\*\*\*\* for MOLALA R > WILLAMETTE R - AT MOUTH

96469

Basin: WILLAMETTE

1									
06.82	100.0	65.7	56.0	84.0	6L.1	SS.4	00.0	64.84	75
05.15	00.0	27.5	26.0	84.0	64.I	SS.4	00.0	₽£.8I	11
06.91	00.0	₽8.₽	56.0	81.0	67.I	SS.4	SS.4	00.0	01
07.29	00.0	₽8.₽	56.0	81.0	67.I	99.51	62.14	00.0	6
00.251	00.0	₽8.₽	56.0	81.0	64.I	99.51	113.54	00.0	8
164.00	00.0	₽8.₽	86.0	81.0	64°T	99.51	142.80	00.0	14
05.66	00.0	j ₽8 ⋅ ₽	26.0	81.0	64.I	99.EI	65.97	6₹.I	9
06.99	00.0	00.2	56.0	[εε.ο	67.I	55.₽	£Σ.∂₽	66.7	S
09.98	00.0	65.7	56.0	84.0	64.I	SS.4	5.30	68.2I	₽
05.65	00.0	65.7	56.0	84.0	67.I	SS.₽	TS.I	89.22	ε
09.72	00.0	65.7	36.0	84.0	67.I	55.₽	00.0	42.22	2
01.09	00.0	65.7	56.0	84.0	67.I	SS.4	00.0	07.44	τ
		· <del></del> -							
Total	Ofper	Inota6	A Jasmo	owwer   Do	nd/Man C	Munic  I	Irrig	Lorage	SOM
İ		·						<b></b>	
717/2002	rfe: 01	DS						91:11 :	ЭшiТ

#: 69796 Basin: WILLAMETTE R - AT MOUTH

Mater Availability as of 1/1/\*\*\*\* for

DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE

Watershed ID #:

Watershed ID #:

1	1		 		<del>-</del> -		
JATOT	0	0				0	
j			 rvations-	Rese			
2002/41	e: 01\	Dat				91:1	Time: ll

I/17/02 11:25 AM

0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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# DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 1/1/\*\*\*\* for MOLALLA R > WILLAMETTE R - AT MOUTH

Watersh Time:	ned ID #: 11:16	69796	Basi	n: WILLAM	ETTE	Exceedance Level: 80 Date: 01/17/2002					
				-ISWRs							
APP #	69796A	0	0	0	0	0	0	MAXIMUM			
Status	Cert.	 									
1	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
2	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
3	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
4	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
5	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
6	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
7	200.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00			
8	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00			
9	150.00	0.00	0.00	0.00	0.00	0.00	0.00	150.00			
10	450.00	0.00	0.00	0.00	0.00	0.00	0.00	450.00			
11	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			
12	500.00	0.00	0.00	0.00	0.00	0.00	0.00	500.00			

# DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AT MOUTH

		ed ID #: l1:16	69998	Basin	: WILLAMET	re	Exceedance Date:	e Level: 80 01/17/2002
	Month	Natural Stream Flow	CU + Stor  Prior to  1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
i	1	1120.00	17.70	36.10	1070.00	0.00	80.00	986.00
i	2	1260.00	17.10	34.70	1210.00	0.00	80.00	1130.00
İ	3	1080.00	3.55	29.30	1050.00	0.00	80.00	967.00
İ	4	834.00	6.38	23.50	804.00	0.00	80.00	724.00
İ	5	448.00	28.00	18.20	402.00	0.00	80.00	322.00
İ	6	231.00	58.10	18.60	154.00	0.00	60.00	94.30
ĺ	7	111.00	96.00	26.30	-11.30	0.00	50.00	-61.30
ĺ	8	71.60	77.70	21.70	-27.90	0.00	40.00	-67.90
ĺ	9	67.90	41.80	12.80	13.20	0.00	40.00	-26.80
	10	91.50	5.46	4.29	81.80	0.00	60.00	21.80
ĺ	11	364.00	8.81	15.90	339.00	0.00	!	!
Ì	12	1010.00	17.00	34.70	958.00	0.00	80.00	878.00
	Stor	748000	22900	16700	709000	0	48900	664000

# DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AT MOUTH

Basin: WILLAMETTE Exceedance Level: 80 69998 Watershed ID #: Date: 01/17/2002 Time: 11:16 Mo|Storage | Irrig | Munic | Ind/Man|Commer | Domest | Agricul | Other | Total 0.00 53.90 0.33 1.33 0.31 5.14 44.30 0.00 2.45 0.00 51.80 0.33 1.33 0.31 5.14 2 42.21 0.00 2.45 0.00 32.80 1.33 0.31 5.14 3 | 22.49 0.74 2.45 0.33 29.90 4.60 0.31 5.14 0.00 4 15.74 2.45 0.33 1.33 0.00 46.30 0.33 2.56 5 7.93 31.52 2.45 1.18 0.31 76.70 2.56 0.00 6 1.49 63.62 7.36 0.33 1.03 0.31 2.56 0.00 122.00 7 0.00 110.68 7.36 0.33 1.03 0.31 99.50 2.56 0.00 8 0.00 87.87 7.36 0.33 1.03 0.31 2.56 0.00 54.70 9 0.00 43.06 7.36 0.33 1.03 0.31 0.00 9.75 10 0.00 3.06 2.45 0.33 1.03 0.31 2.56

i .	42.11	·							i
1121	42.11	0 00	2 45	U 33 j	1 33	0 31	5 1/1	0 00	51 70 İ
11	17.32	0.00	2.45	0.33	1.33	0.31	2.97	0.00	24.70

# DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 1/1/\*\*\* for PUDDING R > MOLALLA R - AT MOUTH

vel: 80 17/2002	eedance L Date: 01		AMETTE	sin: WILL	Ва	69998	ned ID #: 11:16	Watersh Time:
			ns	eservatio:	R			
TOTA	0	0	0	0	0	0	0	APP #
	İ						[	Status Use
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12

# DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AT MOUTH

Watershed ID #: Time: 11:16	69998	Basin:	WILLA	METTE			evel: 80 /17/2002
		T	SWRs				
APP #  69998A	73532A		0	0	0	0	MUMIXAM
Status  Cert.	Cert.				1		
1   80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00
2   80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00

3	80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00
4	80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00
j 5 j	80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00
6	60.00	36.00	0.00	0.00	0.00	0.00	0.00	60.00
i 7 i	50.00	36.00	0.00	0.00	0.00	0.00	0.00	50.00
i 8 i	40.00	36.00	0.00	0.00	0.00	0.00	0.00	40.00
i e i	40.00	36.00	0.00	0.00	0.00	0.00	0.00	40.00
10	60.00	36.00	0.00	0.00	0.00	0.00	0.00	60.00
i 11 i	80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00
12	80.00	36.00	0.00	0.00	0.00	0.00	0.00	80.00
i				. <u></u>	<b></b>		<u>-</u>	

# DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AB MILL CR

Basin: WILLAMETTE Exceedance Level: 80 Watershed ID #: 151 Date: 01/17/2002 Time: 11:16 CU + Stor CU + Stor Expected Reserved Instream Net Month Natural Stream Water Water Prior to After Stream Stream Rights Available 1/1/93 Flow Flow Flow 1/1/93 36.00 933.00 969.00 0.001 1040.00 36.70 33.90 1 36.00 1080.00 0.00 2 1180.00 35.70 32.50 1110.00 931.00 36.00 3 1010.00 16.20 27.10 967.00 0.00 711.00 747.00 36.00 18.80 21.40 0.00 4 787.00 371.00 0.00 36.00 335.00 5 38.90 15.20 425.00 0.00 36.00 111.00 147.00 6 224.00 62.60 13.90 36.00 -44.20 7 -8.20 0.00 109.00 97.70 19.50 36.00 -61.80 0.00 8 71.00 80.80 15.90 -25.80 -25.30 0.00 36.00 9 47.50 9.07 10.70 67.30 36.00 34.90 18.00 2.74 70.90 0.00 10 91.60 36.00 289.00 14.10 325.00 0.00 11 363.00 24.40 32.50 889.00 0.00 36.00 853.00 12 957.00 35.60 637000 26100 706000 31100 14300 661000 Stor

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES
Water Availability as of 1/1/\*\*\* for
PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #:

151

Basin: WILLAMETTE

Exceedance Level: 80

Time: 11:16 Date: 01/17/2002

Мо	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	50.00	0.00	15.00	0.33	0.03	0.27	4.93	0.00	70.60
2	47.64	0.00	15.00	0.33	0.03	0.27	4.93	0.00	68.20
3	22.11	0.67	15.00	0.33	0.03	0.27	4.93	0.00	43.40
4	15.53	4.15	15.00	0.33	0.03	0.27	4.93	0.00	40.30
5	7.89	28.27	15.00	0.33	0.03	0.27	2.35	0.00	54.10
6	1.47	57.06	15.01	0.33	0.03	0.27	2.35	0.00	76.50
7	0.00	99.22	15.01	0.33	0.03	0.27	2.35	0.00	117.00
8	0.00	78.77	15.01	0.33	0.03	0.27	2.35	0.00	96.80
9	0.00	38.62	15.01	0.33	0.03	0.27	2.35	0.00	56.60
10	0.00	2.75	15.00	0.33	0.03	0.27	2.35	0.00	20.70
11	20.09	0.00	15.00	0.33	0.03	0.27	2.76	0.00	38.50
12	47.62	0.00	15.00	0.33	0.03	0.27	4.93	0.00	68.20
j	<del>-</del>							·	

# DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AB MILL CR

Watersh Time:	ned ID #: 11:16	151		n: WILLAM			dance Le	vel: 80 17/2002
			Res	servations	;			
APP #	0	0	0	0	0	0	0	TOTAL
Status  Use								
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

# DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 1/1/\*\*\*\* for PUDDING R > MOLALLA R - AB MILL CR

	ned ID #: 11:16	151	Ва	sin: WILL	AMETTE		eedance I Date: 01	level: 80 ./17/2002
				ISWRs-		<b></b>		·
APP #	151A	73532B	73533A	73534A	0	0	0	MUMIXAM
Status	Cert.	Cert.	Cert.	Cert.		 		 
1 1	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
j 2	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
ј з	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
4	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
5	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
6	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
7	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
8	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
9	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
10	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
11	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00
12	35.00	36.00	16.00	11.00	0.00	0.00	0.00	36.00

1

Paul R. Cleary, Director

Oregon Water Resources Department • 158 12th ST. NE • Salem, OR 97310 • Phone: (503)378-8455 • Fax: (503)378-2496

# MEMO

Thanks

TO:	ANITA HUFFMAN CORY ENGEL RUSS KLASSEN KERRY LEFEVER
SUBJECT:	ANITA HUFFMAN CORY ENGEL RUSS KLASSEN KERRY LEFEVER  IR REVIEW PFO REVIEW FÖREVIEW ALT RESERVOIR
FROM:	JERRY GAINEY
Date:	2/24/03
Please reviev is/are dated f	w the attached file(s), <u>G-15367</u> , and return to me after your review. The file(s) or signature on, 2003.

## Oregon Water Resources Department Water Rights Division

Water Rights Application
Number G-15567

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review of this order must be filed within the 60 day time period specified by ORS 183.484(2).

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

#### Final Order

Application History

On JULY 25, 2001, JOEL NEUSCHWANDER submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on April 9, 2002, proposing to deny the application because the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely Bear Creek. Further, water is not available for further appropriation at any time of the year. The protest period closed May 24, 2002, and no protest was filed.

The applicant requested a time-out to submit information on the construction of the well. The Enforcement Section and the Groundwater Hydrology Section reviewed the information and has determined that the proposed well reconstruction will not be

Insufficient. to everyone the finding of potential for embetantique infrerence between the proposed granduater use at Bean Creek. The proposed use does not comply with rules adopted by the Water Resources Commission or would otherwise impair or be detrimental to the public interest.

SEE NEXT PAGE

#### Order

The application therefore is denied.

DATED March , 2003

Paul R. Cleary, Director

This document was prepared by Jerry Gainey. If you have any questions about any of the statements contained in this document I am the most likely the best person to answer your questions. You can reach me at 1-503-378-8455 extension 458.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun. Her extension number is 239.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: (503)378-2496

because the contract of the development of the contract of the

		15.	19										
TO:		Water F	Rights S	Section					_/.	April 17		, 2	.00 3
FROM	[:	Ground	Water	Hydrology	Section _	D	- Mil	0_					
SUBJE	7CT∙			15567						9/4/01			
DODI		rippiica	ition G-	1330/		Su	iperseues re	view	01	1/4/0/	Date of Re	view(s)	
OAR 6 welfare to deter the pres	90-310-1 , safety a mine who sumption	30 (1) The nd health ether the pcriteria. T	e Depar as descr presump This rev	tion is establice is based	resume tha 537.525. I ished. OAI upon avai	DWATE at a propos Departmen R 690-310- lable infor	R sed groundwo it staff review -140 allows t rmation and	nter u grou he pr agei	use will and wat coposed ncy pol	ensure the pres er applications use be modifie icies in place a	servation under OA	of the put AR 690-3 litioned to	blic 310-140
A. <u>GE</u>	<u>NERAL</u>	INFOR	MATI	$ON: A_1$	pplicant's l	Name:	Juel No	eus	chwo	inder			
A1.	Applica	int(s) seek	(s) <u>1.6</u>	cfs from	n two	well	(s) in the	- 1 14	Willa	mette R			_ Basin
		lalla.	Nunse	ry Use		subc	basın Qu	ad ivi	.ap:	ider	-		
A2.	Propose	ed use: _/	rrigat	int (17	4.07 A	Seas	sonality:	y	ear -	Yoder round			
A3.	Well an	id aquifer					ng wells; ma	rk pi	roposed	l wells as such	under lo	gid):	
Well	Lo	gid		oposed quifer*	Proposed Rate(cfs)		Location /R-S QQ-Q)		Lo	cation, metes a 2250' N, 1200			ple:
1		12700	T	routdale	1,11				1250	1/W+550 N			5 32
3	CLAC	5/287	TV	routdale	0.49	45/1	E-32 SE	NW	50"W	4 50'N fr	Cente	r 53	2
4													
5 * A Ilumi	um, CRB,	Dadraals											
Alluvi													
Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval	Casing Intervals		iner ervals	Perforations Or Screens	Well Yield	Draw Down	Test Type
1	170	3/	29	5/25/88	154	20	0 to 154		-	88-150	500	4-6	Pump
2	155	40	47	9/10/96	140	50	0 to 140		_	76-119	220		Air
-				-									
Use data	from app	lication for	propose	d wells.	<u> </u>							<u></u>	
A4.	Comme	ents: 1	e w	Lat w	ell # 2	is	day de	ue	to	seasoral	pany	Ing	
10	/			1 14 4		4		0,		V / L	- J		
cont	logs .	multiu	ole de	ravitas	but v	Met i	to head	lon	wit	n depth	· The	appli	cant
				1			, NOC C						
											8	7)	<del>.</del>
الحراب .	DW5/15	03		1 4				Do	N /5/13	5/03			
A5. 🔀		ons of the	round w	ametic ater hydrauli	cally conn	ected to su	Basin rù ırface water	les ra	flative t	o the developm active are not, active	ent, class	ification	and/or
	(Not all	basın rule	es conta	in such provi	sions.)	20		•		are not, activ	i A	5/15/o	
	Comme	ents: We	Mc do	not d	evelop	water	from &	wit	onti	yed allow	ium &	7.570	
	W	ells de	de	elop wa	ter fro	on un	contined	al	lluviu	m. 5/15	103	W - E'	
A6. 🗌	Well(s)	#	_				= tan	(s) a	n aquif	er limited by an	adminia	rative *c	etriction
	Name o	f adminis	rative a	rea:,		,	, тар	no) a	ıı ayuılı		aumminst	Tallve res	ou iction
	Comme	ents:	A										

Application	G-	15567	continued
ppiication	J	13361	continucu

A	pril	17	, 200_ <i>3</i>

### B. GROUND WATER AVAILABILITY CONSIDERATIONS, OAR 690-310-130 (b) (c)

31.	Bas	ed upon available data, I have determined that ground water for the proposed use:
	a.	is over appropriated, is not over appropriated, or annot be determined to be over-appropriated during any period of the proposed use;
	ъ.	will not or will likely be available in the amounts requested without injury to prior ground water rights;
	c.	will not or will likely to be available within the capacity of the ground water resource; or
	d.	will, if properly conditioned, avoid injury to existing ground water rights or to the ground water resource:  i. The permit should contain condition #(s) 7 (
		<ul> <li>ii.  The permit should be conditioned as indicated in item 2 below.</li> <li>iii.  The permit should contain special condition(s) as indicated in item 3 below;</li> </ul>
32.	a.	Condition to allow ground water production from no deeper than ft. below land surface;
	b.	Condition to allow ground water production from no shallower than ft. below land surface;
	c.	Condition to allow ground water production only from the ground water reservoir between approximately ft. and ft. below land surface;
	d.	Well reconstruction is necessary to accomplish one or more of the above conditions. The problems that are likely to occur with this use and without reconstructing are cited below. Without reconstruction, I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Ground Water Section.
		Describe injury —as related to water availability— that is likely to occur without well reconstruction (interference w/ senior water rights, not within the capacity of the resource, etc):
3.	Gro	and water availability remarks: There is a lack of data to assess long-terms at these wells.
	w	ala larel thends at these wells.
	-	

### C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040

C1. 690-09-040 (1): Evaluation of aquifer confinement:

A A A	
Troutdale	$\boxtimes$
2 Troutdale	X

Basis for aquifer confinement evaluation: Well log into

It the willamethe Silt has an identitied water table the against might be viewed as leaky confined. The connection between the Silt + the I would be good, allowing for sw connection.

C2. 690-09-040 (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected? YES NO ASSUMED	Potential for Subst. Interfer. Assumed? YES NO
1		Bean CK	141	125	800		X D
	2	Bean CK trib	141	130	1000		
2	2	Bearck trib	108*	130	250		
. 7							
					-117		
					·		

Basis for aquifer hydraulic connection evaluation: The wells are near the streams and develop water from sedimentary materials. I do not soo the possibility of developing any of the WB zoned and not having a hydraulic connection within 1/4 while of Sw. .

\* Based on log SwL of 9/10/96 which is depressed due to pumping.

C3a. 690-09-040 (4): Evaluation of stream impacts for <u>each well</u> that has been determined or assumed to be <u>hydraulically</u> connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. If Q is not distributed by well, use full rate for each well. If modeled, include description and model parameters in Comments (C3b). Any checked box indicates the well is assumed to have the potential to cause substantial interference with surface water.

Well	SW #	Well < 1/4 mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
/	/	$\square$		NA	-		NA		3770	X
L	2	X X		NA			NA		26%	X X
2	2			NA			NA		78%	$\boxtimes$
									-	

Appli	cation G-	150	567		continued						April	2 1	8	, 2003_
С3Ь.	connect	040 (4): ed and le on and lin	ss than	l mile fr	om a surf	ace wat	total appi er source	ropriation c. Comple	for all	wells de	termined o	or assun d amon	ned to be	hydraulically Otherwise same
		SW #		Qw > 5 cfs?	Instream Water Right	m In	stream Water ight Q (cfs)	Qw > 1% ISWR?	Na F	30% atural 'low cfs)	Qw > 1% of 80% Natural Flow?	Int	erference 30 days (%)	Potential for Subst. Interfer. Assumed?
C4a.	690-09-		Estimate	ed impac	ts on surf						e fraction*			mping rate.
	Well	SW#	Jan	Feb	Mar	Apr	May  I	Jun I	Jul I	Aug I	Sep I	Oct	Nov	Dec I
	2	2	1	H	H	H	H	<i>H</i>	H	14	H	H	H	<del>H</del>
	**	VL = Very	Low (<5	%). L = I	ow (5-25°	%). I = In	ntermediat	te (25-75%	7) H = H	ligh (>75	%)			
											heads	5		
C4b.	indirect	connectio	n betwe	en surfac	e water a	nd grou	nd water	; 🛛 Higl	ı denote	s hydra	Low der ulic connegh" betwee	ction th	at would	ion or a very likely reduce
	The The	potential potential potential potential	to reduc	e surface e surface	e water av e water av	vailabili: vailabili:	ty in ty in		w#	2		is is is	Low Low Low	or High
	Bas	is: the	e w	ell (	#2) thib	is v	Bear	Cresk.	to	He.	thib o	md	well	#1
										<u> </u>				

(b) The potential to impair or detrimentally affect the public interest is to be determined by the Water Rights Section.

lication G- /556 / con	itinuea	Hon	IL 18	, 200
. 690-09-040 (5):. Evaluation of para	graphs under subsection 5 co	ntinued.		
(c) The percentage of appropriation	in the first year of use that w	ill be at the expense of	surface water	0%+
Basis: professional ju	dgement			
(d) The timing of interference will be	e <b>immediate</b> (within one	year), or delayed;		
Basis:				
(e) The potential for cumulative adv		distribution of POAs a	nd summary of pen	mitted rights v.
Impacted stream	Impacted bas	in or sub-basin	Existing Ground W	ater Rights (cfs)
Comments				
Comments:				
ii. The permit should con iii. The permit should be con The permit should be constructed, it surface water from interference. If interference with surface water, I rewith the Department and approved	will interfere with surface was the ground water use under the ecommend withholding issuan by the Ground Water Section	m 6 below;  tter. Well reconstruction is permit is found to hat note of the permit until e	on, as follows, will a tive the potential for vidence of well rec	substantial onstruction is file
The well should be reconstructed	as follows:			
CW / CW D				
SW / GW Remarks				
SW / GW Remarks				
SW / GW Remarks				
SW / GW Remarks				
SW / GW Remarks				
SW / GW Remarks				
SW / GW Remarks				

Applica	11011 G- <u>755</u>	6/	contin	luea			_Apv	211	5	, 200 <u>_</u> ح_
D. WE	LL CONSTI	RUCTION	OAR 690	-200			'			
DÍ.	Well #:									
Ď2.				_						
02.	a. revie			well constru	ection stanc	lards based up	on:			
	b.  field	inspection b	у							
	c. $\square$ report	n of CWKE								
	d other	:: (specify)_								
O3.						·				
<i>)</i> 3.	a. const			y: der Division	2001					
	b. com	minoles wat	er from more	ger Division e than one or	200 fules;	reservoir				
	c. perm				ound water	reservoir,				
				ne or more gr	round water	reservoirs;				
V										
04.	THE WELL	constructio	n deficiency	y is describe	d as follow	s:	<del></del>			
								-		
,										
O5.	THE WELL	a. [	was, or coriginal co	was not co	onstructed a	ccording to the s	standards :	in effect at t	he time of	
,		b. [	] I don't kn	ow if it met	standards a	the time of con	nstruction.			
Ď6. □	Route to the is filed with the	Enforceme ne Departme	nt Section. ent and appro	I recommend oved by the E	d withholdi Enforcemen	ng issuance of t t Section and th	the permit se Ground	until eviden Water Secti	ce of well re	construction
THIS S	ECTION TO	D BE CON	<b>IPLETED</b>	BY ENFO	RCEMEN	T PERSONN	NEL			
07. □	Well construc	tion deficier	ncy has been	corrected by	v the follow	ing actions:				
			-						-	
								_		
							···········			
										, 200
,	(Enfo	orcement Se	ction Signati	ure)						
Ď8. □	Route to Wa	ter Rights !	Section (atta	ach well reco	onstruction	logs to this pa	ge).			
			(	344		8 PM	D-7.			
								_		

#### STATE OF OREGON

COUNTY OF CLACKAMAS

### CERTIFICATE OF WATER RIGHT

### This Is To Certify, That I. R. HANSON

of Route 2, Box 340, Carby , State of Oregon , has made proof to the satisfaction of the STATE ENGINEER of Oregon, of a right to the use of the waters of , has made proof Bear Creek and an unnamed tributary of Bear Creek, a tributary of Pudding River

for the purpose of

irrigation under Permit No. 16827 of the State Engineer, and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from March 4, 1946

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed 1.07 cubic foot per second, being 0.65 c.f.s. from Bear Creek and 0.42 c.f.s. from the unnamed stream,

or its equivalent in case of rotation. measured at the point of diversion from the stream. The point of diversion is located butter From unnamed tributary: in Lot 2 (SE NW); From Bear Creek: in Lot 4 (SE, NE,), all being within Section 32, Township 4 South, Hange 1 East, W. M.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to one-eightieth of one cubic foot per second or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 22 acre feet per acre for each acre irrigated during the irrigation season of each year,

and shall

conform to such reasonable rotation system as may be ordered by the proper state officer. A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

> From Bear Creek: 26.2 acres in Lot 3 (SW NE 25.6 acres in Lot 4 (SET NET) Section 32 Township 4 South, Range 1 East, W. M.

> From Unnamed Tributary: 14.2 acres in Lot 2 (SE NW4) 23.0 acres in the NE SWI Section 32 Township 4 South, Range 1 East, W. M.

Land on which water is to be used is a part of that more explicitly described by appropriator as follows:

Beginning 237 rods North of the Southeast corner of the Southwest quarter of Section 32, T. 4 S. R. 1 E. of the W.H. running thence West 10.00 rods; thence South 70.00 rods; thence East 10.00 rods; thence North 70.00 rods to the place of heginning. AISO, beginning at a point 25.00 chains North and 25.00 chains East of the Southwest corner of said Section 32; thence running East 12.50 chains; thence North 32.00 chains; thence West 12.50 chains and thence South 32.00 chains to the place of beginning. ALSO, Lots Three (3) and Four (4) of said Section 32, T. 4 S. R. 1 E. of the W.N., EXCEPT the rights of the public in and to public roads, and EXCEPT the following: Beginning at the Northwest corner of the James Wilson land above described in Section 32, T. 4 S. R. I E. of the W.M., thence East 200 feet, more or less, to the East line of a tract of land conveyed to Carl E. Hilton by deed recorded in Book 12h at page 437 of Deed Records of Clackanas County, State of Oregon; thence South along the East line

of said Hilton tract of land, 100 feet, more or less to the Southeast corner thereof; thence West along the South line of said Hilton land 200 feet, more or less to the West line of said James Wilson land; thence North on the West line of said James Wilson land, 100 feet, more or less, to the place of beginning.

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described.

WITNESS the signature of the State Engineer, affixed

· this 30thday of Apri

, <u>19</u>4

CHAS. L. FTPICITI

State Engineer

Recorded in State Record of Water Right Certificates, Volume 15, page 20101

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

#### **MEMORANDUM**

DATE: 5/15/2003

TO:

File G-15567

FROM:

Donn Miller, Hydrogeologist

SUBJECT:

**Points** 

### **Greg's contentions:**

- 1) The wells are mis-constructed so as to commingle a shallow and deep aquifer. Greg's letter report analyzes and supports this position.
- 2) WRD should require driller to repair the wells to develop only the deep aquifer at driller's expense. Greg thinks that driller's responsibility for proper well construction lingers to present.
- 3) WRD will agree that a permit can be issued on the repaired wells if only the deep source is developed. Greg cites that this was his understanding from a prior meeting with Fred and Donn.

#### **Donn's contentions:**

- 1) It is not clear from the current information that the wells commingle shallow and deep aquifers. The letter report relies on appearances to support the two aquifer notion with a paucity of head data with depth. The cross-sectional analysis of a continuous clay layer is not unreasonable but is of limited value to define an aquifer boundary.
- 2) Without clearer information, it is not good to require well reconstruction. Mr. Neuschwander may wish to drill the site to provide addition information.
- 3) I don't recall hinting that well reconstruction would carry the day for permit issuance. The well reconstruction is unlikely to alter my conclusion that there is the potential for substantial interference with Bear Creek and its trib. The influence on the surface waters would be occur through vertical leakage that could be reduced but not eliminated by the changes. The influence on surface water will still occur within ¼ mile of the wells.

#### **Issues:**

- 1) Is there a diminimus category of hydraulic connection with surface water such that the potential for substantial interference can be dismissed?
- 2) What is the legal protection on surface waters that poses a problem for this application?
- 3) The applicant has a surface water right on the nearby creek. Can WRD reach a deal with the applicant regarding that right which will mitigate/allow permit issuance?

### **INTEROFFICE MEMORANDUM**

Water Rights Section

TO:

Fred Lissner

April 10, 2003

FROM:

Jerry Gainey

RE:

GW File Number G-15567-Joel Neuschwander

This application is being returned for another review. The application was originally denied and a request for a review was requested and granted. Donn Miller originally reviewed this application.

Please route to me when finished.

Thanks.

## Oregon Water Resources Department Water Rights Division

Water Rights Application Number G-15567

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review of this order must be filed within the 60 day time period specified by ORS 183.484(2).

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

### Order Staying Final Order Pending Reconsideration

On March 6, 2003, the Oregon Water Resources Department issued a Final Order denying Water Right Application G-15567 in the Name of Joel Neuschwander. Pursuant to OAR 137-004-0080(5), the Oregon Water Resources Department, on its own motion, now stays the Final Order and pending reconsideration of Application G-15567.

DATED April Z , 2003

Paul R. Cleary, Director Water Resources Department

This document was prepared by Jerry Gainey. If you have any questions about any of the statements contained in this document I am the most likely the best person to answer your questions. You can reach me at 1-503-378-8455 extension 458.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun. Her extension number is 239.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: (503)378-2496

## Mailing List for Order Copies

Application #G-15567

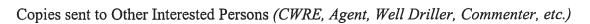
Mailing List Print Date April 2, 2003

Original mailed to (when permit issued, include copy of permit map):

Applicant: JOEL NEUSCHWANDER, 6097 S WHISKEY HILL RD, HUBBARD OR 97032

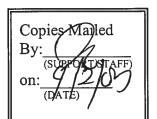
### Copies sent to:

- 1. WRD File # G-15567
- 2. Water Availability: Ken Stahr
- 3. WRD Watermaster # District 16
- 4. WRD NWR
- 5. WRD Data Center



- 1. Scott Ashcom, PO Box 4323, Portland OR 97208
- 2. Malia and Gregory Kupillas, CWREs

CASEWORKER: Gaineyjw



STATE OF OREGON
 Water Resources Department
 158 12th St. N.E.
 Salem, OR 97310

#### **MEMORANDUM**

DATE: 10/17/2003

TO:

Adam Sussman

FROM:

Donn Miller Dy

SUBJECT:

Neuschwander, File G-15567

At your request, I've attempted to quantify the potential impact to surface water from the proposed ground water use. Further, I've sought out Karl Wozniak's help in the use of the Hunt stream depletion model. Doug Woodcock asked me to make some changes to my original model runs. Outputs of the models are attached.

I made three impact analyses. One is the impact of well #1 on Bear Creek. The other two are the impacts of wells #1 and #2 on the unnamed tributary of Bear Creek. This tributary is in the middle of section 32.

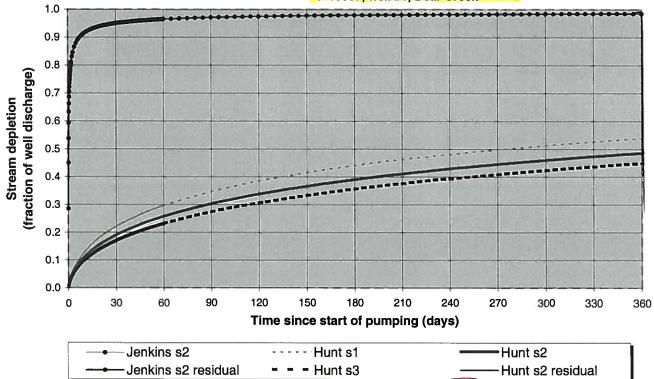
I have not attempted to ground truth anything. This is a dry-lab exercise. I have assumed that there are healthy supplies of water in the creeks against which to interfere. The physical factors that I have estimated have a basis in available materials but are subject to changes that could alter the results considerably. I guess that the agency is also assuming that the right (C20401) is not forfeit from non-use.

The impacts are time dependent. The outputs display impact rates at 30-day increments for 360 days of continuous pumping at a constant rate followed by residual impacts after pumping stops. These values for scenario #2 are highlighted on the output sheets.

Certificate 20401 provides for an irrigation diversion of 0.65 cfs from Bear Creek and 0.42 cfs from the tributary.

I assume that we'll need to talk further about this so let me know.

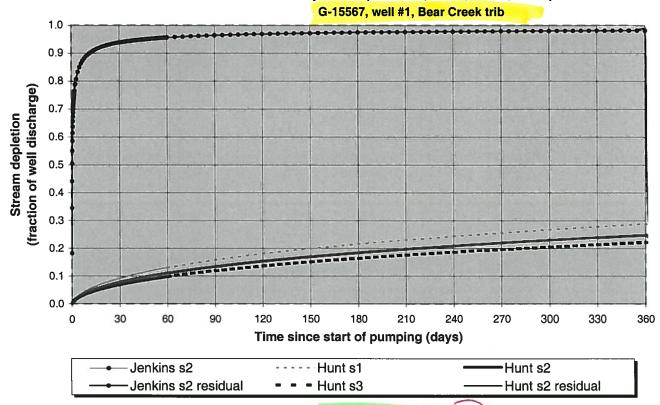
G-15567, well #1, Bear Creek



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 360 days

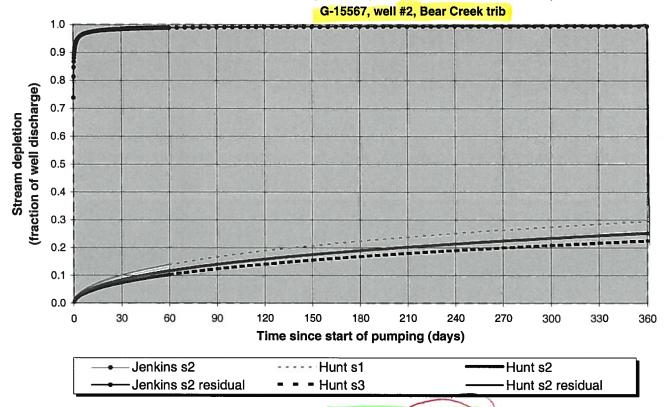
				1			كالتساخية بالأب الأنا		-			
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.1909	0.2579	0.3034	0.3383	0.3667	0.3906	0.4113	0.4296	0.4458	0.4605	0.4738	0.4860
Qw, cfs	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114
H SD s2, cfs	0.213	0.287	0.338	0.377	0.409	0.435	0.458	0.479	0.497	0.513	0.528	0.541

Damana ataur	Г	0	a . a	2	
Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	500	500	500	gpm
Distance to stream	а	800	800	800	ft
Aquifer hydraulic conductivity	К	200	300	400	gpd/ft*ft
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т				
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	gpd/ft*ft
Streambed thickness	bs	3	3	3	🏏 ft
Streambed conductance	sbc				gpd/ft*ft
Stream depletion factor (Jenkins)	sdf	0.341942857	0.227961905	0.170971429	days
Streambed factor (Hunt)	sbf	0.057142857	0.038095238	0.028571429	•



Output for H	Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 360 days												
Days	30	60	90	120	150	180	210	240	270	300	330	360	
Hunt SD s2	0.0782	0.1107	0.1344	0.1537	0.1700	0.1844	0.1973	0.2090	0.2197	0.2296	0.2389	0.2475	
Qw, cfs	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	
H SD s2, cfs	0.087	0.123	0.150	0.171	0.189	0.205	0.220	0.233	0.245	0.256	0.266	0.276	

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	500	500	500	gpm
Distance to stream	а	1000	1000	1000	ft
Aquifer hydraulic conductivity	K	200	300	400	gpd/ft*ft
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т				
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.3	0.8	0.3	gpd/ft*ft
Streambed thickness	bs	8	8	8	/ ft
Streambed conductance	sbc				gpd/ft*ft
Stream depletion factor (Jenkins)	Stream depletion factor (Jenkins) sdf		0.356190476	0.267142857	days
Streambed factor (Hunt)	sbf	0.026785714	0.017857143	0.013392857	



Output for H	Dutput for Hunt Stream Depletion, Scenerio 2 (s2): Time pump of = 360 days												
Days	30	60	90	120	150	180	210	240	270	300	330	360	
Hunt SD s2	0.0841	0.1165	0.1401	0.1592	0.1755	0.1898	0.2025	0.2142	0.2248	0.2347	0.2439	0.2525	
Qw, cfs	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	
H SD s2, cfs	0.041	0.057	0.069	0.078	0.086	0.093	0.099	0.105	0.110	0.115	0.120	0.124	

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	220	220	220	gpm
Distance to stream	а	250	250	250	ft
Aquifer hydraulic conductivity	K	200	300	400	gpd/ft*ft
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т		Ī		
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	gpd/ft*ft
Streambed thickness	bs	8	(8)	8	<u> </u>
Streambed conductance	sbc				gpd/ft*ft
Stream depletion factor (Jenkins)	sdf	0.033392857	0.022261905	0.016696429	days
Streambed factor (Hunt)	sbf	0.006696429	0.004464286	0.003348214	

STATE OF OREGON
Water Resources Department
158 12th St. N.E.
Salem, OR 97310

#### **MEMORANDUM**

DATE: 10/3/2003

TO:

d . " dul. "

Adam Sussman

FROM:

Donn Miller TV

SUBJECT:

Neuschwander, File G-15567

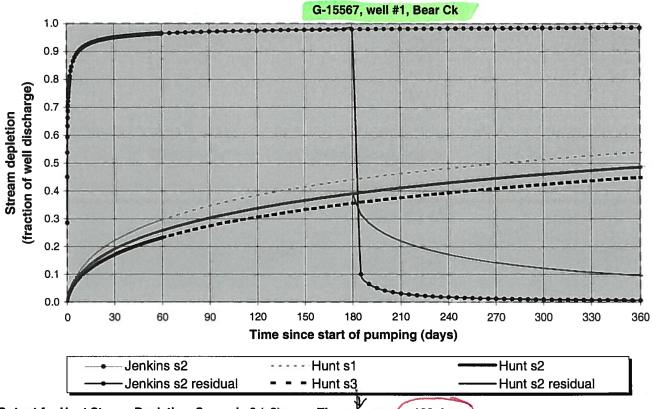
At your request, I've attempted to quantify the potential impact to surface water from the proposed ground water use. Further, I've sought out Karl Wozniak's help in the use of the Hunt stream depletion model. Outputs of that model are attached.

I made three impact analyses. One is the impact of well #1 on Bear Creek. The other two are the impacts of wells #2 and #3 on the unnamed tributary of Bear Creek. This tributary is in the middle of section 32.

I have not attempted to ground truth anything. This is a dry-lab exercise. I have assumed that there are healthy supplies of water in the creeks against which to interfere. The physical factors that I have estimated have a basis in available materials but are subject to changes that could alter the results considerably. I guess that the agency is also assuming that the right (C20401) is not forfeit from non-use.

The impacts are time dependent. The outputs display impact rates at 30-day increments for 180 days of continuous pumping at a constant rate followed by residual impacts after pumping stops. These values for scenario #2 are highlighted on the output sheets. The graphic gives a sense of the impacts from scenarios #1 and #2.

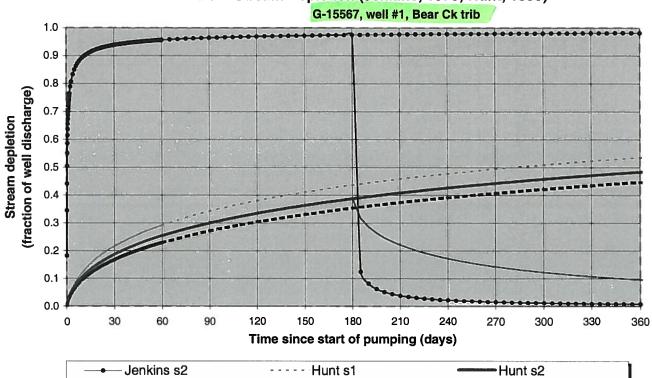
I assume that we'll need to talk further about this so let me know.



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on = 180 days						)						
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.1909	0.2579	0.3034	0.3383	0.3667	0.3906	0.2205	0.1717	0.1424	0.1222	0.1071	0.0954
Qw, cfs	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114
H SD s2, cfs	0.213	0.287	0.338	0.377	0.409	0.435	0.246	0.191	0.159	0.136	0.119	0.106

Parameters:	Γ	Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	500	500	500	gpm
Distance to stream	а	800	800	800	ft
Aquifer hydraulic conductivity	K	200	300	400	gpd/ft*ft
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т				
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	gpd/ft*ft
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc				gpd/ft*ft
Stream depletion factor (Jenkins)	sdf	0.341942857	0.227961905	0.170971429	days
Streambed factor (Hunt)	sbf	0.057142857	0.038095238	0.028571429	_

### Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)



Output for Hunt Stream Depletion, Scenerio 2 (s2):							mp on <b></b>	180 days	)	o Vis	W.	
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.1873	0.2545	0.3002	0.3353	0.3638	0.3878	0.2214	0.1724	0.1430	0.1227	0.1076	0.0958
Qw, cfs	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114
H SD s2, cfs	0.209	0.284	0.334	0.374	0.405	0.432	0.247	0.192	0.159	0.137	0.120	0.107

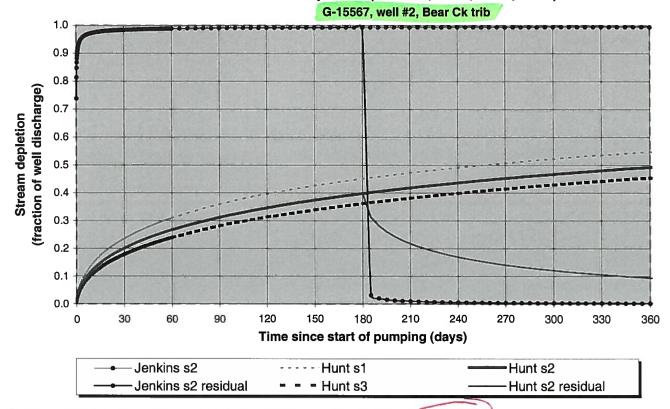
- Hunt s3

Hunt s2 residual

Jenkins s2 residual

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	500	500	500	gpm
Distance to stream	а	1000	1000	1000	ft
Aquifer hydraulic conductivity	К	200	300	400	gpd/ft*ft
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т				
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	gpd/ft*ft
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc				gpd/ft*ft
Stream depletion factor (Jenkins)	sdf	0.534285714	0.356190476	0.267142857	days
Streambed factor (Hunt)	sbf	0.071428571	0.047619048	0.035714286	

### **Transient Stream Depletion (Jenkins, 1970; Hunt, 1999)**



Output for Hunt Stream Depletion, Scenerio 2 (s2): Time pump on € 180 days												
Days	30	60	90	120	150	180	210	240	270	300	330	360
Hunt SD s2	0.2010	0.2672	0.3122	0.3467	0.3747	0.3984	0.2179	0.1696	0.1407	0.1207	0.1058	0.0942
Qw, cfs	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490
H SD s2, cfs	0.099	0.131	0.153	0.170	0.184	0.195	0.107	0.083	0.069	0.059	0.052	0.046

Parameters:		Scenario 1	Scenario 2	Scenario 3	Units
Net steady pumping rate	Qw	220	220	220	gpm
Distance to stream	а	250	250	250	ft
Aquifer hydraulic conductivity	K	200	300	400	gpd/ft*ft
Aquifer thickness	b	70	70	70	ft
Aquifer transmissivity	Т				
Aquifer storage coefficient	S	0.001	0.001	0.001	
Stream width	ws	10	10	10	ft
Streambed hydraulic conductivity	Ks	0.3	0.3	0.3	gpd/ft*ft
Streambed thickness	bs	3	3	3	ft
Streambed conductance	sbc				gpd/ft*ft
Stream depletion factor (Jenkins)	sdf	0.033392857	0.022261905	0.016696429	days
Streambed factor (Hunt)	sbf	0.017857143	0.011904762	0.008928571	

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250 1 una and tui6 Bean CK LSE 2155 Sorl 15E 7 130 C gamented grown 101'-546 CG 546 60 clay 54" clay w/ comme sail CG 194

Donn's sketch X-Sender: sussmaap@mailhub.wrd.state.or.us
X-Mailer: QUALCOMM Windows Eudora Version 5.1

Date: Fri, 05 Sep 2003 11:06:00 -0700

To: ashcoms@msn.com

From: Adam Sussman <Adam.P.SUSSMAN@wrd.state.or.us>

Subject: Neuschwander (G-15567)

Cc: Phil Ward < Phillip.C.WARD@wrd.state.or.us>, Donn.W.MILLER@wrd.state.or.us,

Dwight W French < Dwight.W.FRENCH@wrd.state.or.us>

### Scott:

Thank you for your letter dated July 31, 2003 regarding options to resolve "hydraulic connection" issues associated with Mr. Neuschwander's ground water application.

I have asked the ground water section staff to quantify the potential impact to surface water from the proposed ground water use. Once this information is available we can evaluate whether the proposed mitigation is sufficient.

I should have this information available within two weeks.

Please give me a call at (503) 378-8455 ext. 297 if you have any questions.

Adam Sussman
Senior Policy Coordinator

# **OAA** Oregon Agriculture Alliance

PO Box 4323, Portland, OR 97208

503-524-5174, Fax-503-524-5567 ashcoms@msn.com

31 July 2003

Mr. Adam Sussman
Senior Policy Coordinator
Oregon Water Resources Department
Commerce Building
158 12<sup>th</sup> St. NE
Salem, Oregon 97301-4172

RECEIVED

AUG 0 5 2003

WATER RESOURCES DEF

RE:

File # G-15567

Applicant: Joel Neuschwander

Agent for the Applicant is Scott Ashcom

Quantity in pact on stream w/ Karl + Hant model

### Dear Adam:

Thank you for meeting with me last Thursday, 31 July, to discuss how to proceed to finalize approval of application G-15567. You suggested that I send you a letter describing the tentative agreement resulting from a meeting held at the department in late June.

Present at the meeting were Director Paul Cleary, Deputy Director Phil Ward, Barry Norris, Fred Lissner, Donn Miller, Malia Kupillas (hydro-geologist employed by the applicant), and Scott Ashcom (agent for the applicant). The meeting was called to allow the hydro-geologist for the applicant to rebut the presumption of hydrologic interconnection made by Donn Miller. The meeting lasted 1 ½ hours.

All pertinent issues were discussed thoroughly. Mr. Miller maintained that the subject wells were connected but conceded that the connection was not measurable (nor was it measured). He stated that a model was used, not measurements. He stated that the connection occurred because no well seal can prevent leakage from one aquifer to another. Malia Kupillas insisted that the extensive groundwater research that she submitted regarding Mr. Miller's presumption proved that there was no connection. <sup>1</sup>

Mr. Ashcom mentioned that the applicant was willing to mitigate by transferring some or all of his surface water rights to instream use. The Director stated that he thought that was a good way to resolve the issue. The Director stated that a gallon for gallon mitigation was not expected.

Note that application G-15567 covered all Place of Use (POU) acreage in Certificate 20401 (perfected under permit 16827) at a duty of 2.5 AF/ac; it added an additional 2.5 AF/ac to give all POU acreage under Certificate 20401 at total duty of 5 AF/ac (for year-round nursery use); and G-15567 added 85.09 acres POU to be irrigated at Nursery Use duty of 5 AF/ac. The POD for G-15567 is 2 wells as indicated on the application map.

<sup>&</sup>lt;sup>1</sup> Malia R. Kupillas, R.G., C.W.R.E., and Gregory E. Kupillas, R.G., C.W.R.E., <u>Water Right Application G-15567</u>, <u>Joel Neuschwander</u> (Pacific Hydro-Geology Inc., Mulino). Submitted to Donn Miller, 1 June 2003.

The applicant proposes that the application be approved as submitted, but if that is not possible, that the applicant offers to accept a condition of approval that the groundwater withdrawal be mitigated by entering into an agreement with WRD to transfer his surface water right (Certificate 20401) on a renewable short term lease to WRD for instream use.

This arrangement seemed acceptable to all present, although Mr. Norris suggested that the applicant should continue to work to gain approval of the original application.

This, to the best of my recollection, is the tentative agreement arrived at by those present at the meeting called by the Director regarding application G-15567. If you need anything more from me, please contact me at the letterhead addresses.

Very truly yours,

Scott Ashcom, M.A. Executive Director

RECEIVED

AUG 0 5 2003

WATER RESOURCES DEPT SALEM, OREGON

- 04		2001
s) i)	Viater Right Sertion. Sept 4	
	The second secon	Agging the second
ROM:	Groundwater/Hydrology SectionReviewer's Name	
UBJECT:	Application Co. 15567	
	Application G-7000: Well #2	
DOWN TRIC	OWATER/SURFACE WATER CONSIDERATIONS	tak 10 mengerang sa
PER	rorror and the Broduction endoc one or more of the proposed ruch	's is/is not within
ı/Λ.	feet/mile of a surface water source	) and taps a
grou	indwater source hydraulically connected to the surface water.	
	SED UPON OAR 690-09 currently in effect, I have determined that the proposition will, or have the potential for substantial interference with the ne	osea grounawater use
	will not curface water source namely been of this	; or
о с.	will if properly conditioned, adequately protect the surface water from i	nterference:
	: The permit chould contain condition #(s)	
	ii. The permit should contain special condition(s) as indicated in item 4 below:	or
d.	iii. The permit should be conditioned as indicated in item 4 below; will, with well reconstruction, adequately protect the surface from subs	stantial interference.
u.	wiii, widt wen reconstruction, and quinter, pro-	
ROUNI	DWATER AVAILABILITY CONSIDERATIONS	mosed use
. BAS	SED UPON available data, I have determined that groundwater for the pro- will, or likely be available in the amounts requested without inju-	ry to prior rights
1.	and for within the canacity of the resource; Or	
(c) x	will if properly conditioned, avoid injury to existing rights or to the gro	undwater resource:
	i. The permit should contain condition #(s) 7E Marin M	ich.
	iiiThe permit should be conditioned as indicated in item 4 below;	or
	mine period stoad so contaction to a	
		than ft.
	THE PERMIT should allow groundwater production from no deeper below land surface;	
ъ.	The permit should allow groundwater production from no shallower	thanft.
	holow land curface.	
C	The permit should allow groundwater production only from the groundwater reservoir between approximately ft. and ft.	below land surface;
a	Titali managemention is massessert to accomplish one of illote of the abo	AG COTITITION
u e.	One or more DOA's commingle 2 or more sources of Water like applications	Will Hinze perece our
	source of water per POA and specify the proportion of water to be pro-	luced from each
	source.	
REMAR	KS:	
1.*		<u> </u>
		•
	(Well Construction Considerations on Reverse Side)	
	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	

## WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

<b>5</b> .	THE WELL which is the point of appropriation for this application does no construction standards based upon:	ot meet current well
	areview of the well log;	
	h field inspection by	
	c. report of CWRE	
	dother: (specify)	
-		V.)—
6.	THE WELL construction deficiency:	
	a. constitutes a health threat under Division 200 rules;	
	b. commingles water from more than one groundwater reservoir;	
	cpermits the loss of artesian head;	
	dpermits the de-watering of one or more groundwater reservoirs;	
	eother: (specify)	
	B C C C C C C C C C C C C C C C C C C C	
	the state of the s	
7.	THE WELL construction deficiency is described as follows:	
8.	THE WELL  awas, or constructed according to the standards  bwas not original construction or most recent n  cI don't know if it met standards at the time of cons	nodification.
REC	OMMENDATION:	
A	I recommend including the following condition in the permit: "No water may be appropriated under terms of this permit until the wel to conform to current well construction standards and proof of such repartment Section of the Water Resources Department."  I recommend withholding issuance of the permit until evidence of well with the Enforcement Section of the Water Resources Department.	air is filed with the
C	REFER this review to Enforcement Section for concurrence.	
	THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSO	ONNEL
I con	ncur in G/H's recommendation A or B above relating to conditioning or wi	thholding the permit
	(Signature)	
I do pern	not concur in G/H's recommendation A or B above relating to conditioning the following reasons:	g or withholding the
-		
<u> </u>		
	(Signature)	

(t) (t)	2001
O: Water Rights Section	Sept 4 BB
ROM: Groundwater/Hydrology Sec	tion D Mack
ROM: Groundwater/Hydrology Sec	Reviewer's Name
UBJECT: Application G- 15567	Well #1
BASED UPON 0AR 690-09 currently in e awill, or have the potential for bwill not surface water source cwill if properly conditioned, adequa iThe permit should contain iiThe permit should contain	frect, I have determined that the proposed groundwater user substantial interference with the nearest re, namely Bean CK ; or attely protect the surface water from interference:
awill, or likely be available in bwill not and/or within the ca cx_will if properly conditioned, avoid	the amounts requested without injury to prior rights pacity of the resource; or injury to existing rights or to the groundwater resource:
below land surface; bThe permit should allow grounds below land surface; cThe permit should allow ground groundwater reservoir between dWell reconstruction is necessary to	water production from no deeper thanft.  water production from no shallower thanft.  water production only from the approximatelyft. andft. below land surface; accomplish one or more of the above conditions.  or more sources of water. The applicant must select one aify the proportion of water to be produced from each
REMARKS:	

(Well Construction Considerations on Reverse Side)

## WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. THE WELL which is the point of appropriation for this application does not meet current well construction standards based upon:
areview of the well log;
bfield inspection by;
c report of CWRE
dother: (specify)
6. THE WELL construction deficiency:
a. constitutes a health threat under Division 200 rules;
bcommingles water from more than one groundwater reservoir;
cpermits the loss of artesian head;
d. permits the de-watering of one or more groundwater reservoirs;
eother: (specify)
•
7. THE WELL construction deficiency is described as follows:
8. THE WELL  awas, or constructed according to the standards in effect at the time  bwas not original construction or most recent modification.  cI don't know if it met standards at the time of construction.
RECOMMENDATION:
<ul> <li>AI recommend including the following condition in the permit:         "No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."     </li> <li>BI recommend withholding issuance of the permit until evidence of well reconstruction is filed.</li> </ul>
with the Enforcement Section of the Water Resources Department.
C. REFER this review to Enforcement Section for concurrence.
THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL
Y CAN A COLUMN A OF B charge relating to conditioning or withholding the permi
I concur in G/H's recommendation A or B above relating to conditioning or withholding the permi
(Signature)
I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons:
(Signature)

# Water Right Conditions Tracking Slip

Groundwater/Hydrology Section

FILE ## <u>G-15567</u>					
ROUTED TO: Jerry 6					
TOWNSHIP!					
RANGE-SECTION: 45/1E-32					
CONDITIONS ATTACHED? (Tyes (Ino					
REMARKS OR FURTHER INSTRUCTIONS:					
Reviewer. Do Walles					

Jan	Feb	Mar	Арг	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
				·							

WY TOUR CONTROLLY OF THE PARTY	. ,
and the second s	v Files Date 9/4/01
70: Groundwater/Hydrolog	y racs
FROM: Down Miller	-C- 15567 Phone: 503, 651, 3253
SUBJECT: Groundwater Application	nG-15567 Mone 303, 637, 3253
Name Joe Neuschwander	de) from two well(s) in the
Applicant(s) sock 720 gpm ( # 1 -500 5pm /#2 - 22	Dame Willamette basia
	Malalla/Puddia R subbasin
	Rock Ck Bear Ck . subbasin
174,09 AC	
Pertinent 71/2 - minute quads You	
	-
••	+S R 1E S3200 ad County Clack.
Wd1 / WRD# CLAC 12700 1	from the E 1/4 Comer, Section 32
Managhan 1=30 M - 33	Been Cr (river/stream)
WOLD 800	Bean CK trib 3 (river/stream)
Wellis 1000 to	River/stream devation 125 3 130 ft.
Welderston-river/stream devation (1)	45 3 40
Weldoph 154	3410
Seziol 60 20	Depth first water found 31.  Perforations former 88-150 gravel 75-90
Good to 154	2 (2000-2014)
Lired to	Personational screens
Water Control of the	Hydratically connected yes
Contradoranonteral un confinad	
Potential to cause substantial interference	
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	4S R 1E S 32 00 bd County Clack.
Wat 2 WRD # CLAR 5/287 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Center Section 32 (raver/stresm)
- Wells 250 Itho	Bean CK thib (aver/stresm)
Wellis - ttho	
Wolderston 155 ft.	Taracisticani acravani 130
Welderston-aver/stream devation_	25 SVX 47 on (9/10/96)
Walaga 140	Dendi first water loans 40
Scaled to 50	Personalizations 76' to 119' gravel 60-120
G1500d 6 140	Pedogdions/screens
lived to	4 hrs Hintest
Ordinal acommunical in contined	Hydradially convocadi y = S
Potential to crose solustratial interference	od yes
	- ·
Conditioned water rights in area yes	
Other restoring the other restoring of the second of the s	
Dousty of ready wells of round high	
01-4 1 4466 4159 19	97 estinates the spring wT at well #
Coaracts Plate 1 of 4565 WSP 19	1 #2 00 130' ans/ The into alone is
11 1 to the Tweeth	Mad:
The wast in the case	e substantial interface per OFR 690 -07-07-01
Analicant might test the	wells hydraulially in an effort TO
oftain a none fororable	review.
References wood: USGS WSP 1997, lad	en topo
<u>•</u>	

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STATE OF OREGON

WATER WELL REPORT (as required by ORS 537.765) JUN 27 1988

012700

\$ 16-320

(1) OWNER: S. WELTHING REGON	(9) LOCATION OF WELL by legal description:
Name JOBL NEUSCHWANDER	County CACKA MASITATE Longitude
Address 6059 S WHISKEY HILL RD	Township 4.5 Nors, Range 1.6 Eor W. WM.
City HUBBARD State OR Zip	Section
(2) TYPE OF WORK:	Tax Lot Lot Block Subdivision
New Well Deepen Recondition Abandon	Street Address of Well (or nearest address)
(3) DRILL METHOD	S. NEEDY 28 CANDY
☐ Rotary Air ☐ Rotary Mud ☐ Cable	(10) STATIC WATER LEVEL:
Other	29 ft. below land surface. Date 5/25/88
(4) PROPOSED USE:	Artesian pressure lb. per square inch. Date
☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation	(11) WATER BEARING ZONES:
Thermal Injection Other	Depth at which water was first found
BORE HOLE CONSTRUCTION:	
Special Construction approval Yes No Depth of Completed Well 154 ft.	
Explosives used	82 102 800 6PM = 30 115 132 500 6PM = 30
HOLE SEAL Amount	73 73  300  4711  3 30
neter From To Material From To sacks or pounds	
BENTONITE	(12) WELL LOG: Ground elevation NITO
8 20 154	
	Solc Material From To SWL
How was seal placed: Method	CLAY BROWN 3 34 5 See
TOther GRANGLAR BENTONITE METHOD	SAND BROWN 31 31
Backfill placed fromft. toftftft.	CLAY GREY 31 42
Gravel placed from 25 ft. to 90 ft. Size of gravel LEA	CEMENTES GRAVE 42 63
(6) CASING/LINER:	CLAY DK GREY 63 70
Diameter From To Gauge Steel Plastic Welded Threaded Casing: 8 0 154 250	SICT BLACK 70 82
Casing: 8 6 154 - 250	SAND BLACK FINE 82 92
	CLAY BLUE STICKEY 105 115
	CLAY BLUE STICKEY 105 115 9
Liner:	SAND LAYERS
	CLAY GREEN 132 144
ocation of shoe(s)	SILT DARK BROWN. 144 147
(7) PERFORATIONS/SCREENS:	CLAY BLUE GREEN 147 154
Perforations Method DRIVE DOWN	2
Screens Type Material	PRODUCED 150 7 PM. total. Then GRAVES
To size Number Diameter size Casing Liner	PACKED 75-102 \$ 115-132, per donatel
88 150 3/16×1/4	88' to 115'. THEN PRODUCED 300 SAM
406	WITH 21 DRAWDOWN.
	Date started 5/13/66 Completed 5/25/86
(8) WELL TESTS: Minimum testing time is 1 hour	(unbonded) Water Well Constructor Certification:
Flowing	I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction
☐ Pump ☐ Bailer ☐ Air ☐ Artesian	standards. Materials used and information reported above are true to my best
Yield gal/min Drawdown Drill stem at Time	knowledge and belief.
Soo 46 Pump 1hr.	WWC Number
300 21 AIR CIFT 3	Signed Date
	(bonded) Water Well Constructor Certification:
Temperature of water Depti Artesian Flow Found	I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all
Was a water analysis done? Yes By whom  Did any strata contain water not suitable for intended use? Too little	Work performed during this time is in compliance with Oregon well
Salty Muddy Odor Colored Other	construction standards. This report is true to the best of my knowledge and belief.
Depth of strate:	Signed Land Signed Date 125/88
	OPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10/86
	20030 10/60

# **RECEIVED**

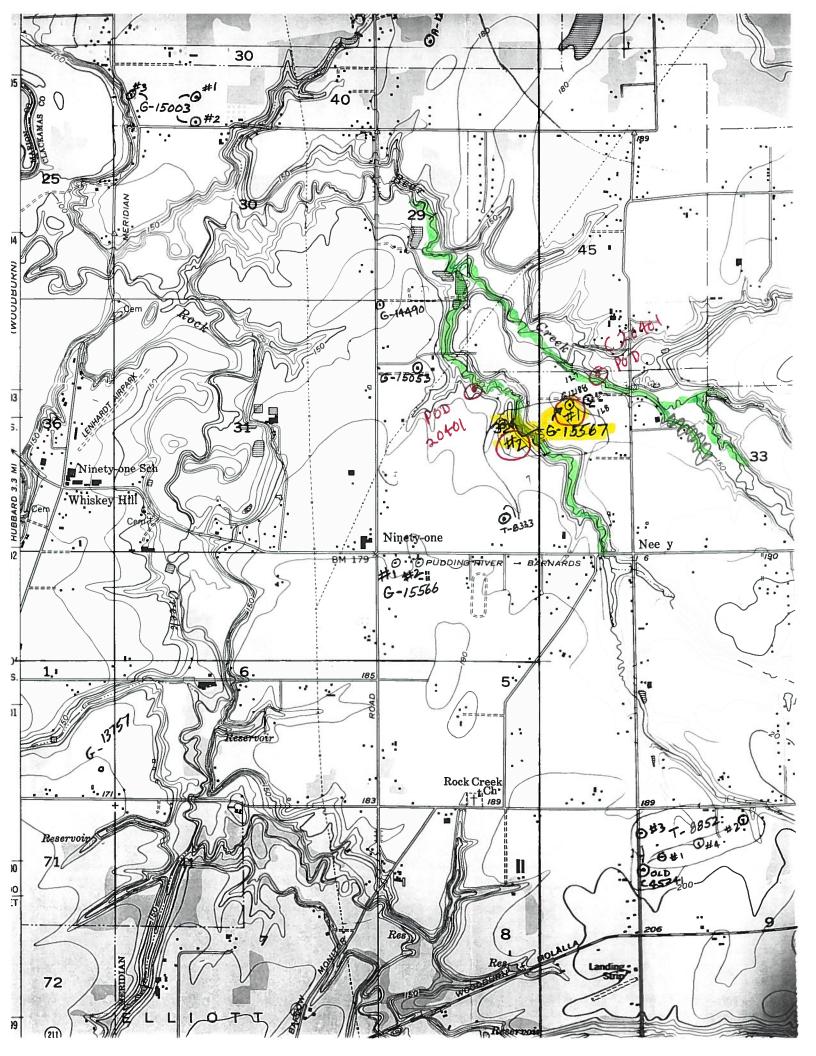
TAG # LOZOTS

STATE OF OREGON
WATER SUPPLY WELL REPORT 5/28 7
(as required by ORS 537.765)
Instructions for complete.

JAN - 9 1997

62424 (START CARD) #\_

(as required by ORS 537.765)	SOURCES DEPT.	
(as required by ORS 537.765)  Instructions for completing this report are on the last page of this form. SALE	M OREGON	
	(a) FOCULION OF MEFF ph legal describing	on:
(I) OWNER:	County CLACKAMAS Latitude	Longitude
Name Neuschwander's Nursery	Township 45 N or S Range 1e	E or W. WM.
Address 6097 S. Whiskey Hill Rd  City Hithbard State Or Zip 97032	Section 32 Se 1/4	Nw 1/4
City (MODULATO	Tax Lot 900 Lot Block	Subdivision
(2) TYPE OF WORK	Street Address of Well (or nearest address)	
X New Well Deepening Alteration (repair/recondition) Abandonment		
(3) DRILL METHOD:	29435 S Needy Rd (10) STATIC WATER LEVEL:	
Rotary Air Rotary Mud X Cable Auger		Date Sep 10, 1996
Other	47 ft. below land surface.	
(4) PROPOSED USE:	Artesian pressurelb. per square in	cn. Date
Domestic Community Industrial Irrigation	(11) WATER BEARING ZONES:	
Thermal Injection Livestock Other		
(5) BORE HOLE CONSTRUCTION:	Depth at which water was first found40	
Special Construction approval Yes No Depth of Completed Well 140 ft.		Tana
Explosives used Yes No Type Amount	From To	Estimated Flow Rate SWL
	40 140	47
ROLE		
Diameter From To Material From To Sacks or pounds 12   1   50   Bentonite   1   50   35 sacks		
8 50 140		
	(12) WELL LOG:	
How was seal placed: Method \( \text{A} \) \( \text{B} \) \( \text{C} \) \( \text{D} \) \( \text{B} \)	Ground Elevation	55'
How was seal praced.	Ground End ( and )	
Other Granular Bentonite method	Material	From To SWL
Backfill placed fromft. toft. Material	Soil	1 3 Sent
Gravel placed from 60 ft. to 120 ft. Size of gravel nea	. Clay, Brown	3 38
(6) CASING/LINER:		30 54 52
Diameter From To Gauge Steel Plastic Welded Threaded	Clay, grey	54 5B
Cesing!		58 60
	Clay, grey, sandy	60 69
	Sand, black, fine	40 71
	Sand and gravel, black	71 74 5 6 rans
Liner:	Cemented gravel, sand	74 95 17 Pack
	Sand & gravel	
Final location of shoe(s) 140	Clay, blue	95 98 Pay
(7) PERFORATIONS/SCREENStive Down	clay, grey, silty	<del>  </del>
Perforations Method	Silt, dark grey	
Screens Type Material	Clay w/black coarse sand	108 116
Slot Planetes else Casing Line	Clay grey w/some cemented gra	vel116 136
76 117 198 600 Diameter size Casing Line	Clay, blue	136 140
		<del>                                     </del>
	Note: 6 inch gravel feed each	ISIDE OT
	8 inch well	<del>                                     </del>
	- 1001	Dec 10, 1996
(8) WELLTESTS: Minimum testing time is 1 hour	Date started August 8, 1996 Comple	:ieu
	(unbonded) Water Well Constructor Certification	oin:
Flowing  Pump Bailer JAir Artesian	I certify that the work I performed on the consti	ruction, alteration, or abandonment
	of this well is in compliance with Oregon water su Materials used and information reported above are	
Yield gal/min Drawdown Drill stem at 1 ime at 1 ime 1 hr.	and belief.	•
220 105 4 hr	=   ***	WWC Number
	Signed	Date
The state of the County of the	(bonded) Water Well Constructor Certification	
Temperature of water 53 Depth Artesian Flow Found	Tarana managibility for the construction alte	ration, or abandonment work
Was a water analysis done? Yes By whom Too little		
Did any strata contain water not suitable for intended use?	performed during this time is in compliance with a construction standards. This report is any to the b	
Salty Muddy Odor Colored Other	- Construction statements. This report reality to the	WWC Number 243
Depth of strata:	Signed Siches Berlin	Date 1/4/97
		COPY-CUSTOMER
OBJOINAL & EIDST COPY WATER RESOURCES DEPARTMENT	SECOND COPY-CONSTRUCTOR THIRD C	OI 1-COSTON/ER



SPECING   APPLICATION   PERMIT   LOC-Q0   USE   RATE DIV-UNITS	ים כו ט	CNIO	ממג	T T C A M T C N	וחקום	MTM	T OC OO		USE	RATE DIV-UNITS
2 G 5550 G 5427 4.00S 1.00E21SWSE IR 0.5300 C 7750 G 7198 4.00S 1.00E21SWSE IR 0.5300 C G 6340 4.00S 1.00E21SWSE IR 0.5300 C G 6340 4.00S 1.00E21SWSE IR 0.5300 C G 6340 4.00S 1.00E30NNWN IR 0.2700 C G 6460 G 6340 4.00S 1.00E30NNWN IR 0.3800 C G 12656 G 11654 4.00S 1.00E30NNWE IR 0.1600 C G 12656 G 11654 4.00S 1.00E30NNWE IR 0.1300 C G G 12656 G 1176B 4.00S 1.00E30NNWE IR 0.1300 C G G 12656 G 1176B 4.00S 1.00E30NNWE IR 0.4300 C G G 12656 G 1176B 4.00S 1.00E30NNWE IR 0.2300 C G G 12656 G 1176B 4.00S 1.00E30NNWE IR 0.2300 C G G G 1176B 4.00S 1.00E30NNWE IR 0.2300 C G G G 12656 G 1176B 4.00S 1.00E30NNWE IR 0.2300 C G G G 1176B 4.00S 1.00E30NNWE IR 0.2300 C G G G 1176B 4.00S 1.00E30NNW IR 0.1100 G G G G 1176B 4.00S 1.00E30NNW IR 0.1100 G G G G G G G G G G G G G G G G G G	\$KE						LOC-QQ	1 00E20SWSE		
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37 G 12215 G 11528 5.00S 1.00E 6SWNW NU 0.5000 C										

4.		4								
38 *	G	1815	G	1660	5.00s	1.00E	4SWNW	IR	0.1900	С
38	G	5045	G	4755	5.00s	1.00E	4SWNW	IR	0.2700	С
38	G	12597	G	11343	5.00s	1.00E	4SWNW	IR	1.3200	C
39	G	493	G	378	5.00s	1.00E	5NWSW	IR	0.3050	C
39	G	493	G	378	5.00S	1.00E	5NWSW	IR	0.3600	C
39	G	9829	G	9500	5.00S	1.00E	5NWSW	IR	0.2400	C
40	G	5575	G	5030	5.00S	1.00E	5NWSE	IR	0.5000	C
41	G	6226	G	5683	5.00s	1.00E	6SWSW	IR	0.1800	C
42	G	5336	G	5480	5.00S	1.00E	6SESW	IR	0.0100	C
42	GR	1851	GR	1796	5.00S	1.00E	6SESW	IR	98.0000	G
43	GR	2752	GR	4031	5.00s	1.00E	6SESE	IR	60.0000	G
44	GR	2420	GR	2300	5.00S	1.00E	5swsw	IR	100.0000	G
45	G	13835	G	12277	5.00s	1.00E	5SESW	IR	0.2500	C
46	G	1472	G	1351	5.00s	1.00E	5SESE	IR	0.4500	C
47	G	5218	G	5079	5.00s	1.00E	4SESE	IR	0.8000	C
48	G	8628	G	7946	5.00S	1.00E	8NENW	IR	0.7000	C
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### CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 15567

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$RECNO
         APPLICATION PERMIT
                                  LOC-QQ
                                                       CONDITION-CODE
                                   4.00S 1.00W27NENE 4LG
     1
             13144
                          12013
                      G
             13144
                           12013
                                   4.00S 1.00W27NENE 4LW
                          12425
             13893
                      G
                                   4.00S 1.00W35SENW 7BG
     2
                          12425
         G
             13893
                      G
                                   4.00S 1.00W35SENW 7BR
     3
3
         G
             13195
                      G
                          12095
                                   4.00S 1.00E 8SESE 4IG
                          12095
         G
             13195
                      G
                                   4.00S 1.00E 8SESE 4IR
     3
         G
             13195
                      G
                           12095
                                   4.00S 1.00E 8SESE
                                                       4IG
     3
         G
             13195
                      G
                          12095
                                   4.00S 1.00E 8SESE 4IR
     4
             13325
                                   4.00S 1.00E 9SESE 4K
         G
                      G
                          11962
     5
             12884
                          11633
                                   4.00S 1.00E15SESW 4GG
         G
                      G
     6
         G
             13279
                      G
                          11778
                                   4.00S 1.00E23SENW 4IG
     6
         G
             13279
                      G
                          11778
                                   4.00S 1.00E23SENW 4IR
     7
         G
             12998
                          11741
                      G
                                   4.00S 1.00E26NESE 4GG
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         G
             13886
                          12609
                                   4.00S 1.00E28SWSW 7BG
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                                   4.00S 1.00E28SWSW 7BR
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                                   4.00S 1.00E28SWSW 7BG
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                           11443
                                   4.00S 1.00E35SESE 4H
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              12799
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                           11614
                                   5.00S 1.00W15NWNE 4GG
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         GR
                771
                      GR
                             746
                                   5.00S 1.00W15NWNE
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              13661
                           12034
                                   5.00S 1.00W13SENW 4KG
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                           11705
    16
                           11705
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                           12161
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                           12161
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                                    5.00S 1.00E11SWNW 7DG
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                                    5.00S 1.00E11SENW 7DR
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                           11958
                                    5.00S 1.00E 8NESE 4K
    19
              12985
                      G
                           11958
                                    5.00S 1.00E 8NESE 4K
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# vicinity of application Wells the i n 15567 Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s) Application well(s) in this 1/4-1/4 section Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s) Critical GW Area Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s) Regulated GW Area OWRD Observation well and well-id within 5 mi. radius of application well(s) Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s) Barlow Macksburg ubbard 0 0 0 WELLS WITHIN 1 MILE OF G 15567 DO 272 ID 32 IM 2 IR 70 MU 2 2 E

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The follo	owing OWRD (	Groundwater	Management	Areas	are within	the map	extent:
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1	GLADTIDING	S	NAMEZ .			LIMI	

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### Total Pages:

# WATER AVAILABILITY TABLE Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

Watersho	ed ID #: 16:31	151			Basir	n: W]	[LLAN	/ETTE	C 						1: 80
Item #	Watershed II	D #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1 2	-							YES NO							YES YES
3	699	998	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	YES	YES	YES
4	-	151	YES	YES	YES	YES	YES	NO	ИО	ИО	NO	NO	YES	YES	YES

### STREAM NAMES

Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

Wa	atershed ID	#:	151	Basin:	WILLAN	METTE	Exceedance	Level:	80
Ιt	tem Watershe	ed ID	Stream Name						
	1	181	WILLAMETTE R	> COLUM	BIA R -	- AT MOUTH			
	2	59796	MOLALLA R > W	ILLAMET'	TE R -	AT MOUTH			
	3	59998	PUDDING R > M	OLALLA 1	R - AT	MOUTH			

# LIMITING WATERSHEDS Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

151 PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #: 151 Basin: WILLAMETTE Exceedance Level: 80 Time: 16:31 Date: 07/22/2002 \_\_\_\_\_\_ Mnth Limiting Stream Name Water Net Water Watershed Avail? Available \_\_\_\_\_\_ 151 PUDDING R > MOLALLA R - AB MILL CR YES 929.0 151 PUDDING R > MOLALLA R - AB MILL CR 1070.0 YES 151 PUDDING R > MOLALLA R - AB MILL CR 151 PUDDING R > MOLALLA R - AB MILL CR YES 3 926.0 YES 4 151 PUDDING R > MOLALLA R - AB MILL CR
5 69998 PUDDING R > MOLALLA R - AT MOUTH
6 69796 MOLALLA R > WILLAMETTE R - AT MOUTH
7 69796 MOLALLA R > WILLAMETTE R - AT MOUTH
8 69796 MOLALLA R > WILLAMETTE R - AT MOUTH
9 69796 MOLALLA R > WILLAMETTE R - AT MOUTH
10 69796 MOLALLA R > WILLAMETTE R - AT MOUTH
11 69796 MOLALLA R > WILLAMETTE R - AT MOUTH
12 151 PUDDING R > MOLALLA R - AB MILL CR
Stor 151 PUDDING R > MOLALLA R - AB MILL CR 4 707.0 314.0 -176.0 YES NO NO -169.0 NO -104.0 NO -86.5 NO -286.0 YES 97.9 YES 849.0 YES 622000.0

### DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 7/22/2002 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #: Time: 16:31

181

Basin: WILLAMETTE

Exceedance Level: 80 Date: 07/22/2002

Month	Natural Stream Flow	CU + Stor Prior to 1/1/93	CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Availabl
1	27500.00	1960.00	323.00	25200.00	0.00	1500.00	23700.0
2	30000.00	7250.00	320.00	22400.00	0.00	1500.00	20900.0
3	28500.00	6880.00	309.00	21300.00	0.00	1500.00	19800.0
4	25400.00	6590.00	297.00	18500.00	0.00	1500.00	17000.0
5	20700.00	3940.00	287.00	16500.00	0.00	1500.00	15000.0
6	11000.00	1690.00	483.00	8830.00	0.00	1500.00	7330.0
7	6280.00	1660.00	494.00	4130.00	0.00	1500.00	2630.0
8	4890.00	1460.00	459.00	2970.00	0.00	1500.00	1470.0
9	4930.00	1090.00	429.00	3410.00	0.00	1500.00	1910.0
10	5990.00	355.00	225.00	5410.00	0.00	1500.00	3910.0
11	12700.00	502.00	267.00	11900.00	0.00	1500.00	10400.0
12	24800.00	640.00	321.00	23800.00	0.00	1500.00	22300.0
Stor	19700000	2030000	254000	17400000	0	1090000	1640000

### DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 7/22/2002 for WILLAMETTE R > COLUMBIA R - AT MOUTH

Watershed ID #:

181

Basin: WILLAMETTE

Exceedance Level: 80

Time: 16:31 Date: 07/22/2002

Мо	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	1696.03	0.00	334.10	101.34	7.21	23.80	80.63	40.47	2280.00
2	6983.24	0.00	334.10	101.34	7.21	23.80	80.63	40.47	7570.00
3	6591.42	6.54	334.11	101.34	7.21	23.80	83.10	40.47	7190.00
4	6260.01	43.51	334.11	101.34	7.21	23.80	79.66	40.47	6890.00
5	3372.70	297.45	330.26	101.33	7.06	23.80	57.85	40.38	4230.00
6	441.65	595.45	908.08	101.08	6.91	23.80	57.52	40.31	2170.00
7	13.81	1017.67	905.27	95.80	6.91	23.80	46.61	40.12	2150.00
8	1.97	798.45	905.27	95.80	6.91	22.39	45.21	40.12	1920.00
9	0.66	394.86	903.02	101.03	6.91	22.40	47.72	40.31	1520.00
10	0.17	28.17	332.32	101.08	6.91	22.40	48.36	40.31	580.00
11	193.20	0.00	334.10	101.08	7.21	23.80	69.59	40.47	769.00
12	372.68	0.00	334.10	101.34	7.21	23.80	80.63	40.47	960.00
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### DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 7/22/2002 for

WILLAMETTE R > COLUMBIA R - AT MOUTH

APP #	Watersh Time:	ned ID #: 16:31	181	Basi	n: WILLAN	(ETTE		edance Le ate: 07/	vel: 80 22/2002
Status Use				Res	servations	3			
Use         0.00	APP #	0	0	0	0	0	0	0	TOTAL
2         0.00         0.									
3         0.00         0.	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4         0.00         0.	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5         0.00         0.	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6         0.00         0.	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7         0.00         0.	5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8         0.00         0.	6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9         0.00         0.	7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
$\begin{array}{ c cccccccccccccccccccccccccccccccccc$	8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12   0.00  0.00  0.00  0.00  0.00  0.00  0.00  0.00	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 7/22/2002 for WILLAMETTE R > COLUMBIA R - AT MOUTH

181 Basin: WILLAMETTE Exceedance Level: 80 Date: 07/22/2002 Watershed ID #: Time: 16:31 ----ISWRs----ISWRs-----APP # | 181A | 0 | 0 | 0 | 0 | 0 | MAXIMUM Status | Cert. | 
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### DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 7/22/2002 for

MOLALLA R > WILLAMETTE R - AT MOUTH

Basin: WILLAMETTE Watershed ID #: 69796 Exceedance Level: 80 Time: 16:31 Date: 07/22/2002

Month	Natural Stream Flow		CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	1870.00	22.20	45.60	1800.00	0.00	500.00	1300.00
2	2010.00	21.10	44.20	1940.00	0.00	500.00	1440.00
3	1830.00	8.36	38.60	1780.00	0.00	500.00	1280.00
4	1530.00	11.30	32.90	1490.00	0.00	500.00	986.00
5	927.00	46.80	27.80	852.00	0.00	500.00	352.00
6	431.00	79.30	28.20	324.00	0.00	500.00	-176.00
7	204.00	136.00	36.70	31.30	0.00	200.00	-169.00
8	139.00	111.00	31.80	-4.17	0.00	100.00	-104.00
9	134.00	48.40	22.10	63.50	0.00	150.00	-86.50
10	188.00	11.20	13.00	164.00	0.00	450.00	-286.00
11	637.00	14.00	25.10	598.00	0.00	500.00	97.90
12	1700.00	22.40	44.20	1630.00	0.00	500.00	1130.00
Stor	1320000	32300	23500	1270000	0	295000	992000

### DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 7/22/2002 for MOLALLA R > WILLAMETTE R - AT MOUTH

Watershed ID #: 69796 Basin: WILLAMETTE Exceedance Level: 80 Time: 16:31 Date: 07/22/2002

Мо	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	44.90	0.00	4.55	1.79	0.48	0.98	7.59	7.46	67.70
2	42.44	0.00	4.55	1.79	0.48	0.98	7.59	7.46	65.30
3	22.85	1.28	4.55	1.79	0.48	0.98	7.59	7.46	47.00
4	16.00	5.34	4.55	1.79	0.48	0.98	7.59	7.46	44.20
5	8.05	46.54	4.55	1.79	0.33	0.98	5.00	7.37	74.60
6	1.47	77.22	13.66	1.79	0.18	0.98	4.84	7.30	107.00
7	0.00	143.91	13.66	1.79	0.18	0.98	4.84	7.30	173.00
8	0.00	114.41	13.66	1.79	0.18	0.98	4.84	7.30	143.00
9	0.00	41.72	13.66	1.79	0.18	0.98	4.84	7.30	70.50
10	0.00	4.58	4.55	1.79	0.18	0.98	4.84	7.30	24.20
11	18.43	0.00	4.55	1.79	0.48	0.98	5.42	7.46	39.10
12	43.71	0.00	4.55	1.79	0.48	0.98	7.59	7.46	66.60
					· 			·	

### DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 7/22/2002 for MOLALLA R > WILLAMETTE R - AT MOUTH

Watershed ID #: 69796 Basin: WILLAMETTE Exceedance Level: 80

Time:	16:31		Dag		_	Da	ate: 07/	22/2002
				servation				
APP #	0	0	0	0	0	0	0	TOTAL
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Status	1	1	1	1	1	Ī		
Use					ì		1	
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		<u>-</u>	. <b></b>		<u>`</u>			

### DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 7/22/2002 for MOLALLA R > WILLAMETTE R - AT MOUTH

Watershed ID #: 69796 Basin: WILLAMETTE Exceedance Level: 80 Time: 16:31 Date: 07/22/2002 -----ISWRs-----ISWRs------APP # 69796A 0 0 0 0 0 MAXIMUM Status | Cert. | 
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## DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AT MOUTH

Watershed ID #: 69998 Basin: WILLAMETTE Exceedance Level: 80 Time: 16:31 Date: 07/22/2002

Month	Natural Stream Flow		CU + Stor After 1/1/93	Expected Stream Flow	Reserved Stream Flow	Instream Water Rights	Net Water Available
1	1120.00	17.70	43.70	1060.00	0.00	80.00	979.00
2	1260.00	17.10	42.30	1200.00	0.00	80.00	1120.00
3	1080.00	3.55	36.80	1040.00	0.00	80.00	960.00
4	834.00	6.38	31.10	797.00	0.00	80.00	717.00
5	448.00	28.00	25.90	394.00	0.00	80.00	314.00
6	231.00	58.10	26.50	146.00	0.00	60.00	86.40
7	111.00	96.00	34.70	-19.70	0.00	50.00	-69.70
8	71.60	77.70	29.90	-36.00	0.00	40.00	-76.00
9	67.90	41.80	20.60	5.52	0.00	40.00	-34.50
10	91.50	5.46	11.60	74.40	0.00	60.00	14.40
11	364.00	8.81	23.40	332.00	0.00	80.00	252.00
12	1010.00	17.00	42.30	951.00	0.00	80.00	871.00
Stor	748000	22900	22200	704000	0	48900	660000

### DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AT MOUTH

Watershed ID #: 69998 Basin: WILLAMETTE Exceedance Level: 80

Time: 16:31 Date: 07/22/2002

Мо	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1	44.50	0.00	2.45	0.33	1.33	0.31	5.14	7.40	61.50
2	42.41	0.00	2.45	0.33	1.33	0.31	5.14	7.39	59.40
3	22.66	0.75	2.45	0.33	1.33	0.31	5.14	7.39	40.40
4	15.85	4.65	2.45	0.33	1.33	0.31	5.14	7.39	37.50
5	8.00	31.83	2.45	0.33	1.18	0.31	2.56	7.30	54.00
6	1.46	64.25	7.36	0.33	1.03	0.31	2.56	7.30	84.60
7	0.00	111.79	7.36	0.33	1.03	0.31	2.56	7.30	131.00
8	0.00	88.75	7.36	0.33	1.03	0.31	2.56	7.30	108.00
9	0.00	43.49	7.36	0.33	1.03	0.31	2.56	7.30	62.40
10	0.00	3.09	2.45	0.33	1.03	0.31	2.56	7.30	17.10
11	17.40	0.00	2.45	0.33	1.33	0.31	2.97	7.39	32.20
12	42.31	0.00	2.45	0.33	1.33	0.31	5.14	7.39	59.30
		<u>-</u>				- 		·	· <b></b>

### DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 7/22/2002 for

PUDDING R > MOLALLA R - AT MOUTH

	ned ID #: 16:31	69998		sin: WILI			Exceedance Level: 80 Date: 07/22/2002		
1 M CC V	Reservations								
APP #	0	0	0	0	0	0	0	TOTAL	
Status Use									
1 1	0.00	0.00	0.00	0.00	0.00	0.001	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

### DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AT MOUTH

Watershed ID #: 69998 Basin: WILLAMETTE Exceedance Level: 80 Date: 07/22/2002 -----ISWRs------APP # 69998A 73532A 0 0 0 0 0 MAXIMUM Status | Cert. | Cert. | 
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### DETAILED REPORT ON THE WATER AVAILABILITY CALCULATION Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #: Time: 16:31

151 Basin: WILLAMETTE

Exceedance Level: 80 Date: 07/22/2002

 
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### DETAILED REPORT OF CONSUMPTIVE USES AND STORAGES Water Availability as of 7/22/2002 for

PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #: 151 Basin: WILLAMETTE Exceedance Level: 80 Time: 16:31 Date: 07/22/2002

Mo	Storage	Irrig	Munic	Ind/Man	Commer	Domest	Agricul	Other	Total
1 2 3 4 5 6 7 8 9	50.20 47.85 22.28 15.65 7.96 1.45 0.00 0.00 0.00	0.00 0.00 0.68 4.20 28.58 57.69 100.32 79.65 39.04 2.78 0.00	15.00 15.00 15.00 15.00 15.01 15.01 15.01 15.01 15.00	0.33 0.33 0.33 0.33 0.33 0.33 0.33 0.33	0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03		4.93 4.93 4.93 2.35 2.35 2.35 2.35 2.35 2.35	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	74.80 72.40 47.50 44.40 58.50 81.10 122.00 102.00 61.00 24.80 42.60
11	1	0.00	15.00	0.33	0.03	0.27	I	4.00	72.40

### DETAILED REPORT OF RESERVATIONS FOR CONSUMPTIVE USE Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #: Time: 16:31		151		sin: WILI	Exc	Exceedance Level: 80 Date: 07/22/2002			
				Reservatio					
APP #	0	0	0	0	0	0	0	TOTAL	
Status Use									
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

### DETAILED REPORT OF INSTREAM REQUIREMENTS Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

Watershed ID #: Basin: WILLAMETTE Exceedance Level: 80 Time: 16:31 Date: 07/22/2002 -----ISWRs-----ISWRs------APP # 151A 73532B 73533A 73534A 0 0 0 MAXIMUM Status | Cert. | Cert. | Cert. | 
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YES 622000.0

### LIMITING WATERSHEDS

# Water Availability as of 7/22/2002 for PUDDING R > MOLALLA R - AB MILL CR

151 Basin: WILLAMETTE Exceedance Level: 80 Watershed ID #: Date: 07/22/2002 Time: 16:34 Time: 16:34 Date: 07/22/2002 Mnth Limiting Stream Name Water Net Water Avail? Available Watershed \_\_\_\_\_ 151 PUDDING R > MOLALLA R - AB MILL CR YES 929.0 YES 1070.0 YES 926.0 YES 707.0 YES 314.0 NO -176.0 NO -169.0 NO -104.0 NO -86.5 -286.0 NO YES 97.9 YES 97.9 YES 849.0

### phg@bctonline.com, 04:45 PM 07/22/2002 -0700, RE: Neushberger Division 9

To: <phg@bctonline.com> From: Donn Miller < Donn.W.MILLER@wrd.state.or.us> Subject: RE: Neushberger Division 9 Cc: Bcc: Attached: Malia, I've looked over my notes for application G-15567, Joel Neuschwander. I don't see a well construction issue based on the well report information. So, I think that the Division 9 determination is separate from well construction. At this point it's hard to imagine that the wells are not hydraulically connected to Bear Creek or its tributary. Perhaps we should discuss your pump test approach before you proceed. Donn At 12:42 PM 07/18/2002 -0700, you wrote: --> Yes, it sounds right. Someone else submitted the application and that person only sent me a copy of the application map after I called them a second time. They were supposed to fax me the initial review, but I will pick it up at WRD. I will see you tomorrow. Malia ----Original Message----From: Donn Miller [mailto:Donn.W.MILLER@wrd.state.or.us] Sent: Wednesday, July 17, 2002 8:20 AM To: phg@bctonline.com Subject: RE: Neushberger Division 9

Malia,

## phg@bctonline.com, 04:45 PM 07/22/2002 -0700, RE: Neushberger Division 9

Could we be talking about Joel Neuschwander of Clackamas County? His application, G-15567, pertains to two wells in 4S/1E-32.	
Donn	
At 11:28 PM 07/16/2002 -0700, you wrote:	
>	
HI Donn:	
I was hoping you would recognize the case name. I do not have a file number, but I will try to get one.	
Malia	
Original Message From: Donn Miller [mailto:Donn.W.MILLER@wrd.state.or.us] Sent: Tuesday, July 16, 2002 11:46 AM To: phg@bctonline.com Subject: Re: Neushberger Division 9	
Malia,	
I don't know what you're talking about. Is there a file #?	
Donn	
At 10:52 AM 07/16/2002 -0700, you wrote:	
>	
Hi Donn:	
I am starting to work on the Division 9 issue for Neushberger, and I have several questions. Looking at he well logs and some other well logs in the same section it seems there may be two alluvial aquifers. Is the	

### phg@bctonline.com, 04:45 PM 07/22/2002 -0700, RE: Neushberger Division 9

Division 9 issue really with the shallower aquifer or is it with both? It looks like both wells may be commingling if there are separate aquifers. What is your position on the well construction (commingling aquifer) issue?

I am looking at doing a pumping test on at least one well, but that does not solve the well construction issue. If we solve the well construction issue, does that help with the Division 9 and eliminate the need for pumping tests?

Malia

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

### **MEMORANDUM**

Superceded

DATE:

2/18/2003

TO:

File G-15567

FROM:

Donn Miller, Hydrogeologist (503.378.8455 x205)

SUBJECT:

Well Construction Considerations and Potential for Substantial Interference

I have reviewed the file, ground water reports, the reconstruction request report, and additional well reports to research my recent assignment. I was asked to determine if wells #1 and #2 develop 2 or more aquifers (water sources) by virtue of well construction. Further, if they develop two or more aquifers, will reconstruction change the current well construction conclusion that there is the potential for substantial interference. Please consult my prior analysis in a memo dated 10/30/02.

I conclude that the information in the request does not lay out a clearly defensible case that the wells are currently mis-constructed. There is a paucity of head data to support the request and the subject well reports are poorly supportive. The request advocates sealing the wells so as to exclude the presumed, cemented-gravel, upper aquifer from the wells and develop all materials below (as a single aquifer). I see no clear reason to identify this as a break between aquifers. The ability of the various clay layers to provide aquifer separation is unclear. There is reason to think that those layers provide some level of separation within the same aquifer so as to result in seasonal pumping responses that display head differences with depth.

I conclude that the Willamette Silt Unit is not properly identified on the subject logs. The water level in that aquifer will be less than 25 feet below land surface. This aquifer has traditionally been capable of providing water to shallow wells. The seal of 20' in well #1 is insufficient to prevent commingling through the mechanical seal. Therefore, well #1 develops water from at least two aquifers: the Willamette Silt and the aquifer below. Well #2 appears to exclude the Willamette Silt and develop the aquifer below.

Changing the construction of wells #1 and #2 is not likely to avoid the potential for substantial interference. There would continue to be an hydraulic connection. In part, I cite the flow system simulation analysis of USGS Professional Paper 1424-B as support. The conceptualization of the ground water flow system speaks to ground water discharge to local creeks. See pages B 47-55. This conclusion is supported by the head relationships involved, the permeable nature of the various earth materials, the location of the wells to creeks, and the hydraulics of well pumping to influence ground water flow.

loyer 3 @ Appl G-15567 would be more conductive like the willowette Aquitar. Layer 2 would be thin.

Head relations shown on figure 19 indicate that (1) the local water table is between an altitude of 114 and 121 ft, (2) the heads in the shallow basalt wells (No. 4 and No. 6) correspond with the water table, (3) the heads in the deep basalt wells (No. 1 and No. 7) are higher than the water table, indicating vertically upward flow near the Tualatin River, and (4) the head in basalt well No. 9 is lower than the head in well No. 10, which is completed in the overlying Willamette confining unit. Thus, over a relatively short distance, predominantly horizontal flow (no vertical head difference), vertically upward flow, and vertically downward flow are shown by the water levels for these 10 wells.

### CROSS-SECTIONAL FLOW MODELS

Cross-sectional numerical flow models were constructed for two selected sections of the Willamette Lowland aquifer system in order to test a conceptual model of the ground-water flow system, to test estimates of hydraulic properties, and to provide information on the ground-water flow budget. Although the models were not rigorously calibrated, the simulated heads and discharges to streams compared favorably with observed heads and discharges, indicating that the conceptualization of the flow system and estimates of hydraulic properties were reasonable.

The two models, represented as sections M1-M1' and M2-M2' on figure 20, are approximately parallel to flow paths, as determined from the generalized water-table map (pl. 1). Section M1-M1' extends from the vicinity of Silverton, west to the crest of the Eola Hills (which is north of Salem), and is considered to represent conditions in much of the central Willamette Valley, where basin-fill deposits are underlain by the Columbia River basalt aquifer. Section M2-M2' extends from Peterson Butte (which is south of Lebanon), roughly west to the Willamette River between Corvallis and Albany; west of the Willamette River section would be essentially the reverse of M2-M2'. Section M2-M2' is considered to be representative of the southern Willamette Valley, where basin-fill deposits directly overlie the basement confining unit.

Ground-water flow was simulated under steadystate conditions using the finite-difference groundwater flow model (MODFLOW) of McDonald and Harbaugh (1988). Flow paths were calculated and plotted using the programs MODPATH and MODPATH-PLOT by Pollock (1989). Flow budgets for individual aquifer units were determined using the program ZONEBUDGET of Harbaugh (1990). MODEL GRIDS AND BOUNDARY CONDITIONS

The model grids for both sections are presented on figure 20, traces of the modeled sections are shown on plate 1, and information about the grids are summarized in table 6. Horizontal subdivision of the sections was based on the resolution of water-table altitude data, spacing of streams, and the scale of major topographic features. A constant cell length (column) of 1,500 ft and width (row) of 1 ft was selected for both sections. Vertical subdivision was based on the regional hydrogeologic units discussed earlier in this report. Each unit was represented by one model layer, except in section M1-M1', where the thick Willamette confining unit was represented by four layers. The layer thickness was variable; the thickness of each model cell was based on the average thickness of the corresponding hydrogeologic unit at that location. For the four layers representing the Willamette confining unit in section M1-M1', the layers were defined so that the thickness was equal.

The upper boundary of both sections was the water table and was modeled as a free surface. The uppermost active layer generally corresponded to the Willamette Silt unit (layer 1) or the Willamette aquifer (layer 2). The Columbia River basalt aquifer (layer 7) is the uppermost active layer at both ends of section M1-M1'. The uppermost active cells received a recharge flux that was determined by using a regression relation based on precipitation and elevation that had been determined by Snyder and others (1994) for the Portland Basin. Where the Columbia River basalt aquifer was the uppermost unit, a recharge rate of 14 in/yr was used; although this rate is lower than predicted by the regression relation, it is considered reasonable because of the small vertical hydraulic conductivity and generally steep topography of the basalt. Recharge ranged from 14.0 to 21.2 in/yr in section M1-M1' and from 18.4 to 19.9 in/yr in the section M2-M2'.

The bottom of both sections was the top of the basement confining unit and was modeled as a no-flow boundary. There is undoubtedly some flow from the basement confining unit into the overlying units; however, because of its small hydraulic conductivity, the volume of this flow is likely to be small relative to the total flow in the system. Additionally, data are not available to quantify inflow from the basement confining unit and this formulation follows the conceptual model used to delineate the aquifer system described previously in the report.

Lateral boundaries (the ends of the sections) were also modeled as no-flow boundaries. Section M1-M1' extends in both directions to the contact between the Columbia River basalt aquifer and the basement confining unit. Basin-fill deposits abut the basement confining units on the east end of section M2-M2'.

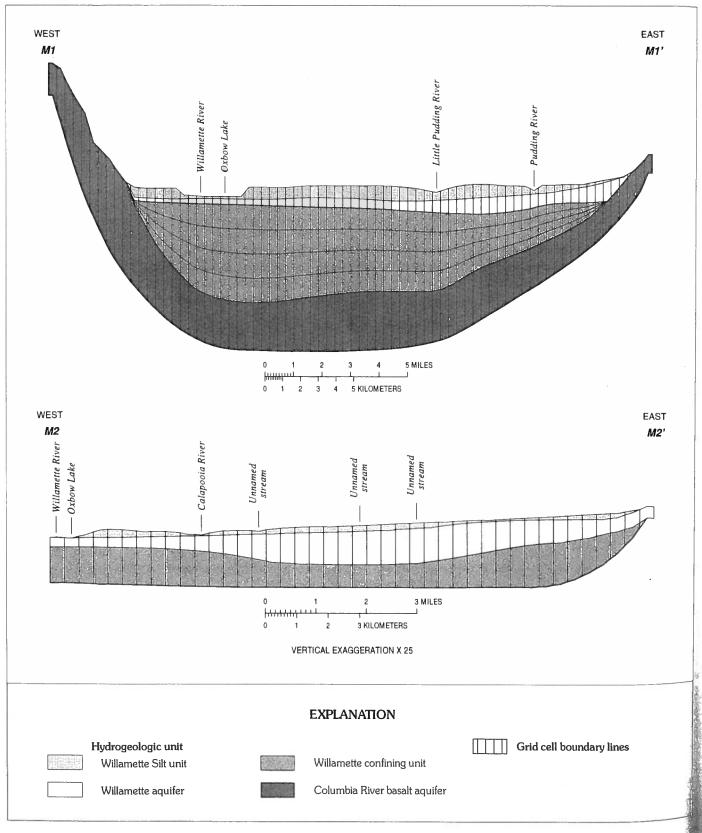


FIGURE 20.—Grids and layers for cross-sectional ground-water flow models.

Table 6.—Information on model grid systems

	Section <sup>1</sup>				
Model Characteristic	M1-M1'	M2-M2′			
Length (miles)	21	12			
Number of layers	7	3			
Column width (feet)	1,500	1,500			
Number of columns	74	42			
Minimum active cell thickness (feet)	5	6			
Maximum active cell thickness (feet)	440	180			
Number of drain cells	17	9			

<sup>&</sup>lt;sup>1</sup> Model grid system shown on figure 20.

These basement confining unit contacts were modeled as no-flow boundaries. The western end of section M2-M2' is bounded by the Willamette River. Because there is often vertical, or nearly vertical flow directly beneath major streams, this boundary was assumed to be a flow line and, therefore, a no-flow boundary. Because the model sections generally parallel ground-water flow paths, the sides of the models approximate flow lines and were represented as no-flow boundaries.

The evapotranspiration package of the flow model was used to simulate ground-water discharge by evapotranspiration because ground-water levels are near land surface over large parts of both sections. The parameters required by the package are the maximum evapotranspiration rate and extinction depth. These parameters were assumed to be uniform across both sections and were estimated assuming that the dominant land cover is grass (grown for seed), grain, pasture, or some combination of the three. The maximum evapotranspiration rate (18 in/yr) was estimated as the portion of crop-water requirements (30 in/yr) not satisfied by available precipitation. Available precipitation (12 in/yr) is the total precipitation (45 in/yr) minus the quantity lost to runoff (15 in/yr) and deep percolation (18 in/yr). Runoff estimates were from Oster (1968), and crop-water requirements were obtained from Cuenca and others (1992). The extinction depth was assumed to be approximately equal to the maximum rooting depth for the dominant crop types; the value used in the models was 5 ft.

Several streams traverse each model section and were modeled using the drain package of the model, as opposed to the river package. Both packages represent head-dependent flux boundaries; however, with the river package, water can move into or out of the aquifer

depending on the head relation. With the drain package, water is allowed only to move out of the aquifer to the drain. In both cross-sectional models, most of the streams gain water from the aquifer. The only streams that did not receive water from the aquifer were small intermittent drainages. Because it is unlikely that these small intermittent streams would be flowing without ground-water inflow, they were modeled as drains to prevent them from providing water to the aquifer. Although the drain package was used to simulate the streams, the term "stream" will be used to describe them in the remainder of this discussion. Streams were placed in the Willamette Silt unit (layer 1) or, if the silt was absent due to erosion, in the Willamette aquifer (layer 2). Information on streams in both models is given in table 7. Stream elevations and channel widths were estimated from 1:24,000-scale topographic maps.

### HYDRAULIC CHARACTERISTICS

The horizontal hydraulic conductivity of the hydrogeologic units (table 8) was initially estimated on the basis of information from a number of sources. The hydraulic conductivity of the Willamette Silt unit was based on values presented by Price (1967a) and on published values for similar materials (Bureau of Reclamation, 1985; Driscoll, 1986). Hydraulic conductivity estimates for the Willamette aquifer were based on analysis of specific-capacity data from well logs and published values for similar materials. Conductivity values derived from ground-water flow modeling of the Portland Basin (Morgan and McFarland, 1996) were used to estimate the conductivity of the Willamette confining unit, as well as the vertical anisotropy in the entire basin-fill section. The horizontal hydraulic conductivity and vertical anisotropy of the Columbia River basalt aquifer was estimated on the basis of the results of Morgan and McFarland (1996), Hansen and others (1994), and analysis of specific-capacity data from well logs. In calculating the initial streambed hydraulic conductances, it was assumed that streambed properties were the same as the hydraulic properties of the cell containing the

In general, the estimated hydraulic characteristics for the Willamette Silt unit, 1 ft/d horizontal hydraulic vertical hydraulic conductivity and 0.01 ft/dconductivity, produced satisfactory modeling results (table 8). With the exception of the vertical conductances beneath streams, changing these parameters did not dramatically change model results. In order to reduce calculated heads in the silt unit and the underlying Willamette aquifer adjacent to major streams, it was necessary to increase vertical conductances between the silt and the underlying aquifer in cells with streams by about one order of magnitude.

TABLE 7.—Stream locations, properties, and discharge rates for cross-sectional flow models  $[ft, feet; ft^2/d, square feet per day; ft^3/d, cubic feet per day]$ 

Name	Layer	Column	Altitude (ft)	Conductance (ft <sup>2</sup> /d)	Discharge (ft <sup>3</sup> /d)
		Section 1	м1-м1′		
Unnamed	7	1	1,000	0.063	0
Unnamed	7	4	780	.093	0
Unnamed	7	6	450	.097	Ō
Unnamed	7	7	400	.085	0
Unnamed	1	13	165	.00571	ő
	-	7.7			
Unnamed	1	14	165	.00571	0
Willamette River	2	19	95	120.00	65.3
Oxbow Lake	2	22	90	30.00	95.7
Patterson Creek	1	29	128	1.00	7.3
Unnamed	1	37	180	.0125	0
Little Pudding River	1	48	138	25.00	58. <i>7</i>
Woods Creek	1	50	148	1.50	6.9
Unnamed	1	51	185	.0111	0
Unnamed	1	56	148	.75	7.9
Pudding River	1	60	145	25.00	100.8
Unnamed	1	63	191	.025	0
Unnamed	7	73	287	.0025	3.5
		Section	M2-M2'		
Willamette River	2	1	193	35.71	16.0
Oxbow Lake	2	2	193	28.57	31.8
Calapoola River	2	11	209	33.33	67.3
Unnamed	2	15	218	4.00	37.6
Unnamed	1	22	245	6.00	10.1
Unnamed	1	26	257	10.00	19.5
Unnamed	1	34	282	2.50	3.8
Unnamed	1 *	35	288	0	0
Unnamed	1	39	303	.09	0

Table 8.—Hydraulic characteristics used in models

		estimate, : per day)	Final estimate, (in feet per day)		
Hydrogeologic unit	Horizontal conductivity	Vertical conductivity	Horizontal conductivity	Vertical conductivi	
Villamette Silt	1	0.01	1	0.01	
Villamette aquifer	200	2	200-600	2	
Villamette confining unit	5	.05	5	.1	
Columbia River basalt aquifer	5	.017	2.5	.025	

the physical basis for increasing conductances beneath treams is explained in the discussion on streambed onductance adjustments later in this section.

The initial estimates of the hydraulic characteristics of the Willamette aquifer, a horizontal hydraulic conductivity of 200 ft/d and a vertical conductivity of 2 ft/d, gave satisfactory results. Overall, changing these parameters did not have a large effect on the simulated flow system. This may be because of the large contrast between the hydraulic properties of the aquifer and the adjacent units. Increasing the horizontal hydraulic conductivity of the Willamette aquifer to 600 ft/d beneath the Willamette River flood plain improved the fit between simulated and observed heads in the Willamette Silt unit adjacent to the flood plain. This was a reasonable adjustment because specificcapacity data (table 4) indicate that hydraulic conductivities of the aquifer gravels in the flood plain are substantially larger than elsewhere, presumably because of reworking by stream action (see previous discussion in the "Hydraulic Characteristics" section of report).

The initial estimate of horizontal hydraulic conductivity for the Willamette confining unit, 5 ft/d, gave reasonable results and was not changed. Although the initial vertical hydraulic conductivity of 0.05 ft/d was doubled to reduce vertical gradients, water-level data from wells suggest that vertical gradients generally are small in the Willamette Lowland. The vertical hydraulic conductivity of the Willamette confining unit, which separates the Columbia River basalt aquifer from the Willamette aquifer in section M1-M1', was found to have a significant influence on vertical gradients between the Columbia River basalt aquifer and the Willamette aquifer.

The initial estimates of horizontal and vertical hydraulic conductivity of the Columbia River basalt aquifer, 5 ft/d and 0.017 ft/d, respectively, had to be adjusted to match simulated and observed heads. With the original values, excessive upward vertical gradients were simulated beneath the center of the basinsimulated heads in the Columbia River basalt aquifer were more than 100 ft above land surface. As described and shown previously (fig. 19), flowing artesian wells are uncommon in the Columbia River basalt aquifer except near the margins of the basalt uplands. Most of the simulated large, upward gradients were reduced by decreasing the horizontal hydraulic conductivity in the basalt by a factor of 2, increasing the vertical conductivity of the basalt from 0.017 ft/d to 0.025 ft/d, and increasing the vertical conductivity of the overlying Willamette confining unit as mentioned previously.

Satisfactory model results were obtained only after selectively increasing conductances of streambeds in the silt by up to 50 times the initial estimates. Large conductance values are considered reasonable because of the range in streambed materials and because of the reworking and sorting of streambed materials by stream action after their deposition by glacial-outburst floods, thereby increasing their hydraulic conductivity. As mentioned previously, this latter process has certainly occurred in the Willamette aquifer along the Willamette River flood plain and has probably occurred in other units as well.

Estimates of hydraulic characteristics of the hydrogeologic units were adjusted to match the simulated and observed heads and discharge quantities in both models. Because of the limited ability of cross-sectional models to simulate a three-dimensional flow system and the general lack of field measurements, the models were not rigorously calibrated. However, the simulated heads and discharge quantities are reasonable given the available data. The water-table surface shown on plate 1 represents water levels at their lowest annual altitude. Water levels fluctuate 5 to 20 ft/yr in the area of section M1-M1' (Price, 1967a) and 2 to 14 ft/yr in the vicinity of section M2-M2' (Frank, 1974; Helm and Leonard, 1977); these fluctuations were described previously in the "Water-Level Fluctuations" section. Water levels simulated by the steady-state models represent average annual water-level altitudes and should be higher than the altitude shown on plate 1, but within the range of observed seasonal fluctuations. With the exception of a few cells in both models, simulated heads in the top active model layers were above the altitudes on plate 1, within the observed range of seasonal fluctuations, and below ground level. Simulated heads in the non-water table model layers were consistent with what is known about vertical head differences and hydraulic gradients in the area.

Simulated ground-water discharge to streams was compared to estimates from Price (1967a) and from Laenen and Risley (1997), whose information is described more thoroughly in the "Discharge" section later in this report. Discharge quantities were only available for the Willamette River in both model sections and for the Pudding River in section M1-M1'. Laenen and Risley (1997) found that ground-water discharge to the Willamette River was highly seasonal. Seepage measurements during the summer of 1992 indicated little or no ground-water inflow to the Willamette River main stem. Measurements during the spring of 1993, by contrast, indicated that the main stem gained approximately 2,000 ft<sup>3</sup>/s between river mile (RM) 55 and 195.

Ground-water discharge to the Willamette River in the vicinity of section M1-M1' was estimated from seepage measurements made in September 1993 (Laenen and Risley, 1997). The M1-M1' section crosses the river near RM 72. Ground-water inflow to the river from RM 78.5 to RM 55 was approximately 476 ft<sup>3</sup>/s, which equals a discharge of about 331 ft<sup>3</sup>/d/ft (cubic feet per day per foot) of river length. Thus, average annual discharge to the river calculated by the 1-ft-wide model should be between 0 and 331 ft<sup>3</sup>/d (cubic feet per day). Simulated steady-state discharge to the Willamette River and a hydraulically connected oxbow lake in section M1-M1' was 161 ft<sup>3</sup>/d, which is reasonable.

On the basis of hydrograph analysis, Price (1967a) estimated that ground water discharges to the Pudding River between RM 40.7 and RM 8.2 at a rate of 146,000 acre-ft/yr (acre-feet per year), or an average annual discharge of about 101 ft<sup>3</sup>/d/ft of river length. Because the estimate is based on a stream hydrograph, it integrates discharge to the Pudding River as well as its tributaries. In section M1-M1', which crosses the Pudding River near RM 46, upstream from the section analyzed by Price (1967a), simulated discharge to the Pudding River and its tributaries was about 178 ft<sup>3</sup>/d/ft. Given the uncertainty in applying Price's (1967a) discharge estimates, this is a reasonable match.

The only discharge estimate available for section M2-M2' is for the Willamette River and is based on seepage measurements made in June 1993 during high springtime discharge (Laenen and Risley, 1997). Section M2-M2' crosses the Willamette River near RM 127. Ground-water inflow between RM 119.3 and RM 141.7 was estimated to be 931 ft<sup>3</sup>/s or about 680 ft<sup>3</sup>/d/ft of river length. Because the river is one of the model boundaries and similar ground-water conditions are assumed to exist on both sides of the river, groundwater inflow calculated by the model should be about one-half the estimate or between 0 and 340 ft<sup>3</sup>/d. Simulated steady-state discharge to the Willamette River and a hydraulically connected oxbow lake from section M2-M2' is about 48 ft<sup>3</sup>/s. The 340 ft<sup>3</sup>/d represents the probable spring peak in ground-water discharge, the simulated average annual value of 48 ft<sup>3</sup>/d is considered reasonable. Discharge quantities to all streams are listed in table 7.

### SIMULATED FLOW SYSTEM

The major factors controlling the ground-water flow system are recharge, evapotranspiration, geometry of hydrogeologic units, distribution and magnitude of horizontal and vertical hydraulic conductivity in the units, and locations and properties of streams and their beds. To help visualize the simulated movement of water, the particle-tracking and plotting programs MODPATH and MODPATH-PLOT were used. These programs calculate and plot the paths of imaginary particles of water as they move through the flow system. These paths represent flow lines through the modeled system. Flow lines through both model sections (fig. 21) were plotted by tracing the paths of imaginary water particles from the point where they recharge the ground-water system at the water table to the point where they discharge from the system through streams or evapotranspiration. For the sections shown on figure 21, one particle was started at the water table in the center of each cell and tracked to its discharge location.

Water recharging the Willamette Silt unit moves vertically downward into the Willamette aquifer, where flow is primarily horizontal toward streams, the primary discharge point (fig. 21, section M1-M1'). A small part of the water moving in the Willamette aquifer may move into the underlying Willamette confining unit, where its movement includes a larger vertical component. Water in the Willamette confining unit moves upward and back into the Willamette aquifer near and beneath streams to which the water ultimately discharges. Water in the Columbia River basalt aquifer moves horizontally and downward from recharge areas in uplands toward the central parts of the basin, then upward from the basalt into the overlying units.

The Willamette Silt unit is recharged mainly through infiltration of precipitation (table 9). Most of the water moves into the underlying Willamette aquifer within several hundred feet of where it enters the saturated zone (fig. 21, section M2-M2'). Simulated downward vertical hydraulic gradients between the Willamette Silt unit and the Willamette aquifer in areas away from streams range from approximately 0.014 to 0.15 ft/ft. Horizontal hydraulic gradients within the Willamette Silt unit range from  $4 \times 10^{-5}$  to 0.015 ft/ft. Where the water table is above the rooting depth of plants, some of the water discharges through evapotranspiration. Some water moves upward into the Willamette Silt unit from the underlying Willamette aquifer beneath and adjacent to streams (fig. 21). Streams in the Willamette Silt unit, such as the Pudding and Calapooia Rivers, are principal locations of ground-water discharge. Upward vertical hydraulic gradients beneath these streams range from about 0.017 to 0.13 ft/ft.

Although water enters the Willamette aquifer from both the overlying and the underlying units, most enters it through the overlying Willamette Silt unit (table 9).

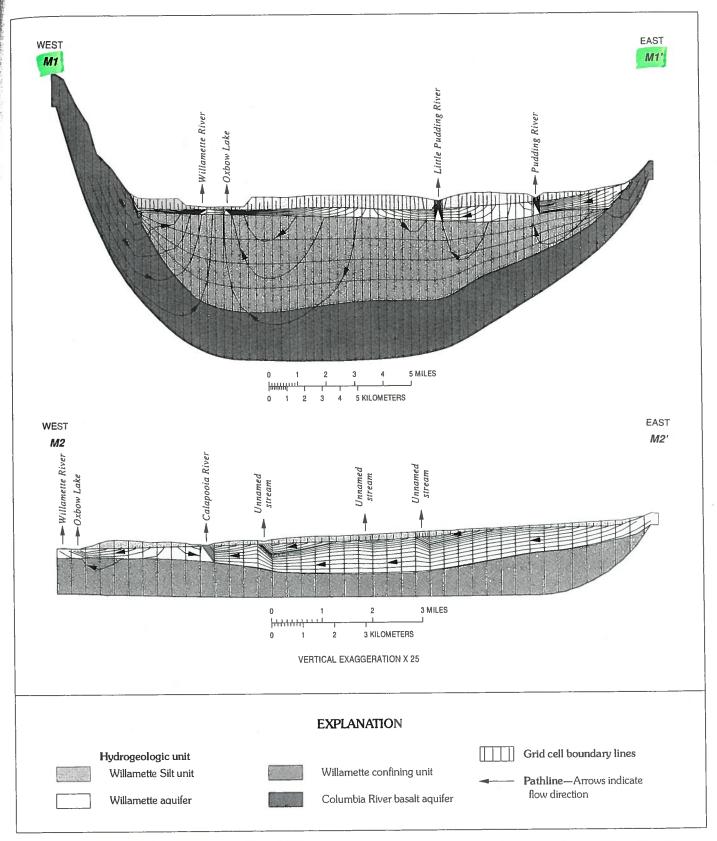


FIGURE 21.—Model grids and layers with pathlines. (The pathlines represent the paths of water particles that start at the water table in the center of the uppermost active cells and travel to their discharge points.)

TABLE 9.—Flow budgets for cross-sectional models

[-, not ap	plicable)
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		Flow	from, in c	ubic feet per	day		Flow to, in cubic feet per day						
Hydrogeologic Unit	Recharge	Wil- lamette Silt	Wil- lamette aquifer	Wil- lamette confining unit	Columbia River basalt aquifer	Total in	Evapo- trans- pira- tion	Streams	Wil- lamette Silt	Wil- lamette aquifer	Wil- lamete confining unit	Columbia River basalt aquifer	Total out
						Section 1	<u>M1-M1'</u>						
Willamette Silt unit	323		159	0	0	482	53	182		247	0	0	482
Willamette aquifer	32	247		69	0	348	1	161	159		27	0	348
Willamette confining unit	0	0	27		46	73	0	0	0	69		4	73
Columbia River basalt aquifer	48	0	0	4		52	6	1	0	0	45		52
Model net total	403						60	343			<u></u>		403
						Section 1	<u>M2-M2′</u>						
Willamette Silt unit	225		19	0		244	72	33		139	0		244
Willamette aquifer	46	139		6		191	13	153	19		6		191
Willamette confining unit	0	0	6			6	0	0	0	6			6
Model net total	271			***			85	186			••	17 <sup>-</sup>	271

Water in the Willamette aquifer moves horizontally toward streams and discharges to streams with which it is hydraulically connected. However, some water moves from the Willamette aquifer into the overlying Willamette Silt unit beneath streams to which the silt is hydraulically connected. Although a small volume of water moves into the underlying Willamette confining unit (table 9), most of this water moves back into the Willamette aquifer downgradient. Simulated horizontal hydraulic gradients in the Willamette aquifer range from  $5 \times 10^{-5}$  to 0.006 ft/ft and average about 0.002 ft/ft.

Water moves into the Willamette confining unit from the overlying Willamette aquifer and, when present, from the underlying Columbia River basalt aquifer (table 9). Where the Columbia River basalt unit underlies the confining unit, water from the basalt accounts for most of the flow through the confining unit. Water moving in the confining unit eventually discharges to the Willamette aquifer, usually in the vicinity of major streams.

The Columbia River basalt aquifer is recharged primarily through infiltration of precipitation where the unit is exposed at land surface (table 9; fig. 21, section M1-M1'). The model results indicate that a small volume of water also enters the basalt from the overlying Willamette confining unit. As modeled, no water can enter the basalt from the underlying marine rocks of the basement confining unit because the contact between the units is represented by a no-flow boundary. However, as previously described, locally, some water probably flows from the marine rocks. Some wells drilled deep into the basalt in the Portland and Tualatin Basins encounter saline water that generally is thought to originate in the marine rocks (as will be discussed in the "Water Quality" section). Water discharges from the basalt primarily to the overlying Willamette confining

## CALCULATED WATER-BUDGET COMPONENTS

Water movement in both modeled sections is similar, with a few notable differences. Calculated flow budgets for both models are presented in table 9. In section M1-M1', stream discharge accounts for 85 percent of the total discharge, and evapotranspiration accounts for 15 percent. In section M2-M2', stream discharge accounts for 69 percent of the total discharge, and evapotranspiration accounts for 31 percent. The larger estimated evapotranspiration in section M2-M2' is accounted for by the flatter topography in this section, which results in a generally higher water table.

Flow budgets within the Willamette Silt unit are slightly different for the two modeled sections. Simulations indicate that 80 to 83 percent of the recharge from precipitation occurs in the Willamette Silt unit and the remainder occurs either in the Willamette aquifer or in

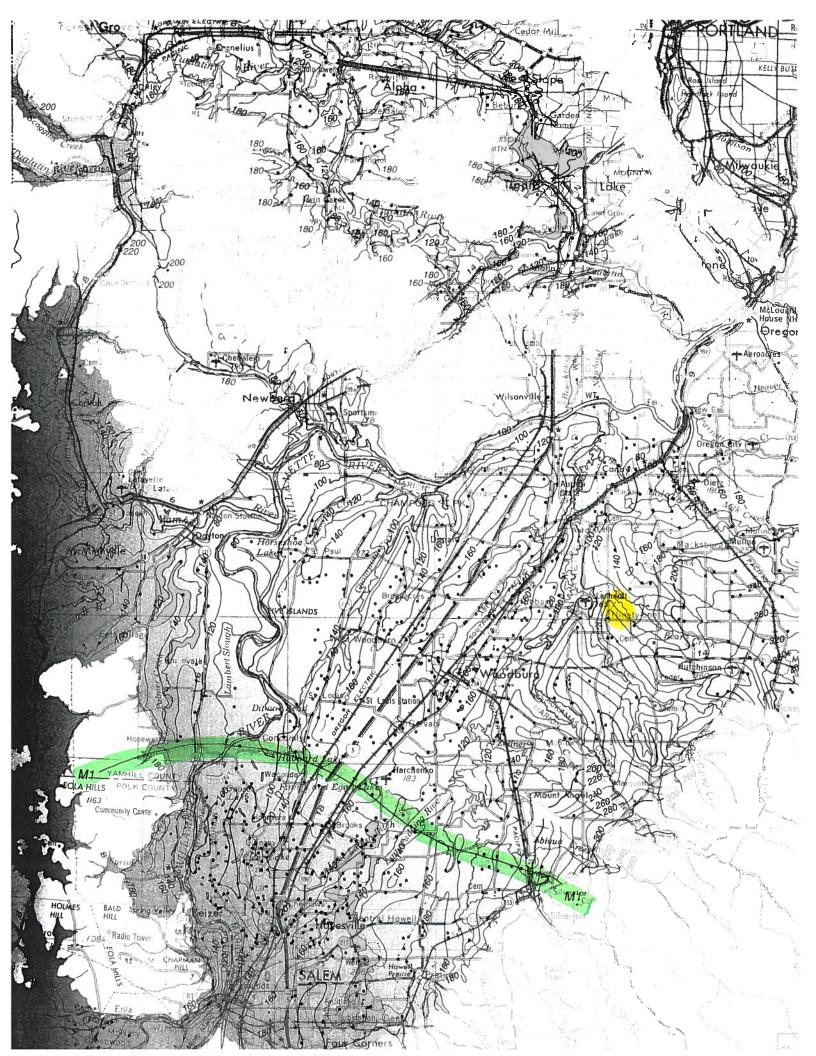
the Columbia River basalt aquifer. These percentages are a function of the exposed surface areas of the units and input recharge rates. Of the water entering the Willamette Silt unit through recharge in section M1-M1', approximately 76 percent discharges to the Willamette aquifer, 16 percent discharges to evapotranspiration, and 8 percent discharges directly to streams. Of the recharge to the Willamette Silt unit in section M2-M2', approximately 62 percent discharges to the Willamette aquifer, 32 percent is discharged by evapotranspiration, and 6 percent discharges to streams. These values again reflect higher evapotranspiration in section M2-M2'.

Flow budgets in the Willamette aquifer also are different for each section. Of the water that enters the Willamette aquifer in section M1-M1', 71 percent is derived from the Willamette Silt unit, 20 percent comes from the underlying Willamette confining unit, and 9 percent is from recharge. Of the water that enters the Willamette aquifer in section M2-M2', 73 percent is derived from the Willamette Silt unit, 3 percent comes from the Willamette confining unit, and 24 percent is from recharge. The largest differences between the two sections is the larger amount of water moving upward from the Willamette confining unit in section M1-M1'.

The volume of water moving through the Willamette confining unit depends on the presence or absence of the underlying Columbia River basalt aquifer. In section M2-M2', where the Columbia River basalt aquifer is absent, the only water moving through the confining unit is water moving downward from the overlying Willamette aquifer; this water eventually moves upward back into that overlying unit. This quantity represents only about 2 percent of the total flow in section M2-M2' (table 9). In section M1-M1', water that enters the Columbia River basalt aquifer through recharge in the basalt uplands moves into the overlying Willamette confining unit and eventually discharges to the Willamette aquifer. The quantity of water moving from the basalt represents 62 percent of the total flow in the Willamette confining unit and about 11 percent of the total flow in section M1-M1' (table 9).

# REGIONAL WATER BUDGET

Long-term hydrographs for observation wells completed in the Willamette aquifer confirm that, on a regional basis, the aquifer is in equilibrium—the water table rises each winter/spring to about the same altitude. Therefore, long-term recharge is equal to longterm discharge, and the changes in storage are minimal. However, estimating or quantifying the various components of both ground-water recharge and ground-water discharge can provide a better understanding of the overall hydrology of the aquifer system. For example: (1) how much ground water in the southern Willamette



STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

# **MEMORANDUM**

DATE:

10/30/2002

TO:

File G-15567

FROM:

Donn Miller, Hydrogeologist (503.378.8455 x205)

SUBJECT:

Well Enforcement Request Evaluation

I have spoken to Tracy Eichenlaub of enforcement, reviewed the captioned file and studied the request for enforcement on well construction letter dated 10/18/2002.

Malia and Gregory Kupillas wrote the request letter on behalf of the applicant, Joel Neuschwander. Most certainly, the request wishes to accomplish more than just well reconstruction at the driller's expense. The application seeks 720 gpm from two wells for nursery use. The application has been impeded based on my analysis of gw/sw interactions per basin rule and division 9 assessments and surface water availability limitations. From the letter, I must assume that the request is ultimately part of the permitting objective of the application.

If the real interest is permitting, I will jump ahead to that issue. I am not confident that the reconstruction solves the permit issuance problem. I indicated in my email to Malia on July 22, 2002 that the well construction issue is separate from the division 9 issue (sw/gw interaction assessment). Based on the request and my reconsideration of the file, I confirm that position. Development will interfere with surface water flows in Bear creek and the nearby tributary. I conclude that the proposed well reconstruction will not be sufficient for the application to obtain a favorable gw/sw interaction assessment per division 9.

In my view, there is some merit in the request for accomplishing proper well construction. Frankly, the cross-sectional analysis doesn't do much for me. The upper aquifer/lower aquifer matter is still debatable. My focus would be on the internal inconsistencies on the well reports. For well #1 (CLAC 12700), what's the deal with first water at 31 feet, two water bearing-zones with 30' swl's and the resulting swl of 29 feet. Based on that, the perceived well misconstruction would seem to be improper sealing off an upper aquifer. For well #2 (CLAC 51287), how do you get first water at 40 feet, seal to 50 feet, take from that first water unit (38-54 feet) and deeper units, and get a final swl of 47 feet? Some commingling seems to be occurring at face value. The well start and completion dates seem odd but could play into the construction issue somehow. I have no views on the matter of continued driller responsibility.

Taking these matters as a whole, the outlook for ground water permitting is bleak and the well reconstruction matter is pretty much off point to that.

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

REVIEWER DATE: 10/29/02	
DIVISION 9 CHECKLIST Application # G- 155 6 7	
OAR 690-09-040 Well #2 -220 gpm	
Hydraulically Connected to Bean CK + trib (surface water sour uses use 1997, plate 2 + manualine	ce)
(4)(a) the point of appropriation is a horizontal distance less than ¼ mile from the surface wate source to which it's connected? Yor N	r —
(b) the rate of appropriation is greater than five cubic feet per second and less than one mile from the surface water source (to which it's connected)? Y or N	_
© the rate of appropriation is greater than one percent of the pertinent adopted minimum perennial streamflow or instream water right and less than one mile from the surface water source (to which it is connected) Y or N 1.6 c. 15 v. 3 6 c. 15 100 c. 15 the rate of appropriation is greater than one percent of the discharge that is equaled or exceeded	Motolla R Eman
the rate of appropriation is greater than one percent of the discharge that is equaled or exceeded 80 percent of the time, as determined or estimated by the Department and less than one mile from the surface water source (to which it is connected) Y or N Produce R AB WILL COMPANDED TO MODALITY COMPANDED TO PRODUCE OF THE PRODUCE OF TH	
(d) the ground water appropriation, if continued for a period of 30 days, would result in stream depletion greater than 25 percent of the rate of appropriation and the point of appropriation is less than mile from the surface water source? Y or N	
(5) Other Considerations	
(a) the potential for a reduction in streamflow or surface water supply	_
(b) the potential to impair or detrimentally affect the public interest as expressed by an applicable closure on surface water appropriation, minimum perennial streamflow, or instream water right with a senior priority	
(c) the percentage of the ground water appropriation that was, or would have become, surface water	
(d) the potential interference would be immediate or delayed	_
(e) the potential for a cumulative adverse impact on streamflow or surface water supply	

# Pacific Hydro-Geology Inc.

18477 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016

October 18, 2002

Oregon Water Resources Ms. Tracy Eichenlaub 158 12<sup>th</sup> Street NE Salem, Oregon 97310-0210

Re:

Request for enforcement on well construction for two wells proposed for use under Water Right Application G-15567

Dear Ms. Eichenlaub:

The purpose of this letter is to submit information on behalf of Mr. Joel Neuschwander, the applicant for ground water Application G-15567, for an evaluation of the construction of two wells (CLAC 12700 and CLAC 51287). If the construction of these two wells (Neuschwander wells) is found to be in violation of state laws, we would request enforcement action against the driller who constructed the wells. The Department has recommended that Application G-15567 be denied because of potential interference with nearby streams. This determination is documented in Proposed Final Order dated April 9, 2002, in which the Neuschwander wells are identified as Well 1 (CLAC 12700) and Well 2 (CLAC 51287).

We have reviewed the well construction reports for the two wells and have determined that the wells were not properly sealed to prevent commingling of groundwater between the uppermost water-bearing zone(s) and the deeper, water bearing intervals over which the wells are screened. Copies of the Water Well Reports for these two wells (CLAC 12700 and CLAC 51287) are attached. Figure 1 shows the locations of the Newschwander wells and several other wells we have identified in the area. Cross sections including the two Neuschwander wells and three other wells (CLAC 12730, CLAC 12739, and CLAC 12727) are shown on Figures 2 and 3 to provide a picture of the subsurface geology. Figure 1 shows the locations of the cross-sections.

Based on our review of the well logs for the Neuschwander wells and other wells in the surrounding area, we believe there is a continuous layer of clay and/or silt that separates an upper, water-bearing strata from a deeper aquifer throughout the area surrounding the two wells of concern. The locations of the wells we have identified in the area are shown on Figure 1. Table 1 provides information from the logs for the wells shown on Figure 1, including the thickness and approximate elevation of the clay layer identified. Copies of the well logs are attached with this letter. Elevations for these wells have been estimated from a U.S.G.S. topographic map.

OCT 2 1 2002
WATER RESOURCES DEPT. SALEM, OREGON

Figure 2 (Cross Section A-A') shows the Tocher well (CLACK 12730) obtains water from the upper aquifer, with the bottom of the well ending in the clay that can be identified in both Neuschwander wells and other wells in the area. The driller noted in both Neuschwander wells that water was first encountered in the first gravel that correlates with the upper aquifer. In Well 1 (CLACK 12700), water was first encountered at 31 feet. In Well 2 (CLACK 51287), water was first found at 40 feet. The driller did not report a static water level for the upper aquifer in the log for Well 1, and he reported a single static water level for all the water bearing zones in Well 2. Based on elevations, it appears the upper aquifer is connected with Bear creek, located to the northwest of Neuschwander Well 1, and the unnamed stream located between the two Neuschwander wells. Therefore, the upper aquifer would be expected to have a different static water level than the deeper aquifer. Recent studies by the Department in the Willamette Basin have identified that there are separate aquifers having different static water levels within the Willamette Valley alluvial aquifer system. However, some drillers continue to report one static water level measurement for all the zones.

Based on recent discussions with Fred Lissner and Donn Miller, we believe that the ground water application would be approved if the upper water-bearing strata in these two wells could be isolated from the deeper water bearing zones by the placement of properly constructed well seals. Therefore, the potential for interference with nearby streams is a function of the construction of the two Neuschwander wells.

Our determination that these wells are improperly constructed is based on the following:

Neuschwander Well 1 (CLAC 12700). The driller reported first encountering ground water at a depth of 31 feet below land surface (bls). This first encountered ground water appears to occur within a thin layer of sand at a depth of 31 feet bls. A cemented gravel is also noted in the log from 42 feet to 63 feet. Based on the logs from other wells in the area, we understand that the cemented gravel serves as a source of ground water for shallow wells. Therefore, it appears that there is an upper aquifer in this well between 31 and 63 feet bls that may be connected with the nearby streams. The driller did not report a static water level for this apparent water-bearing zone.

According to the log, the primary water bearing zones occur from 82 to 102 feet bls and from 115 to 132 feet bls, corresponding to the lower aquifer. The driller noted the same static water level of 30 feet bls for both of these intervals. The two primary water-bearing intervals are separated from the overlying cemented gravel (upper aquifer) by a 19-feet-thick layer of clay and silt that extends from 63 feet to 82 feet bls. The well is perforated over the interval of 88 to 150 feet bls; however, the well seal was placed only to a depth of 20 feet bls. Therefore, the well seal does not extend into the clay and silt layer, nor does it adequately seal off the shallow water-bearing zone(s) which occur from 31 to 63 feet bls. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

**Neuschwander Well 2 (CLAC 51287).** The driller reported first encountering ground water at a depth of 40 feet below land surface (bls). This first encountered ground water appears to occur within a layer of cemented gravel found at depths between 38 and 54 feet bls (this cemented gravel appears to correspond with the cemented gravel layer in Well 1 from 42 to 63 feet bls and, therefore, represents the upper aquifer). The driller did not report a static water level for this water-bearing zone.

The driller reported the water-bearing zone from 40 to 140 feet bls. Based on the perforated interval, from 76 to 119 feet bls, it appears that the primary water-bearing deposits in this well include the sands and gravels which occur between 60 and 95 feet (lower aquifer). These sand and gravel layers appear to correspond to the primary water-bearing zones identified by the driller in Well 1. Also, as in Well 1, these sands and gravel units are separated from the overlying cemented gravel by a 6-feet-thick layer of clay which extends from 54 to 60 feet bls. The well seal was placed only to a depth of 50 feet bls. Therefore, this seal does not extend into the clay layer (54 to 60 feet bls) that separates the upper, water-bearing cemented gravel from the deeper sands and gravel which serve as the primary water-bearing aquifer for this well. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

We request that you review the well construction details of the two wells (CLAC 12700 and CLAC 51287) together with the cross-sections, tabulated well data, and well logs attached with this letter and make a determination whether enforcement action is warranted.

Please call Malia Kupillas, Pacific Hydro-Geology Inc., at (503) 632-5016 if you have any questions.

Sincerely,

Malio R. Kupillas

Malia R. Kupillas R.G., C.W.R.E.

Sugar E. 9/s Gregory E. Kupillas, R.G., C.W.R.E.

Attachments: Figure 1 - Well and Cross Section Locations

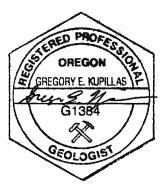
Figure 2 - Cross-Section A-A'

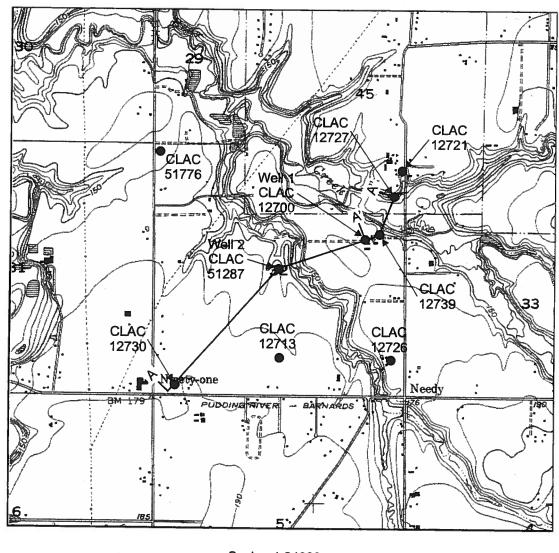
Figure 3 - Cross-Section A'-A"

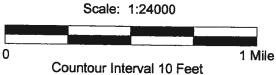
Table 1 - Well Log Data for Neuschwander Wells and other Are Wells Water Well Reports for Neuschwander Wells and other Wells in Vicinity

cc: Donn Miller, Oregon Water Resources Department Joel Neuschwander







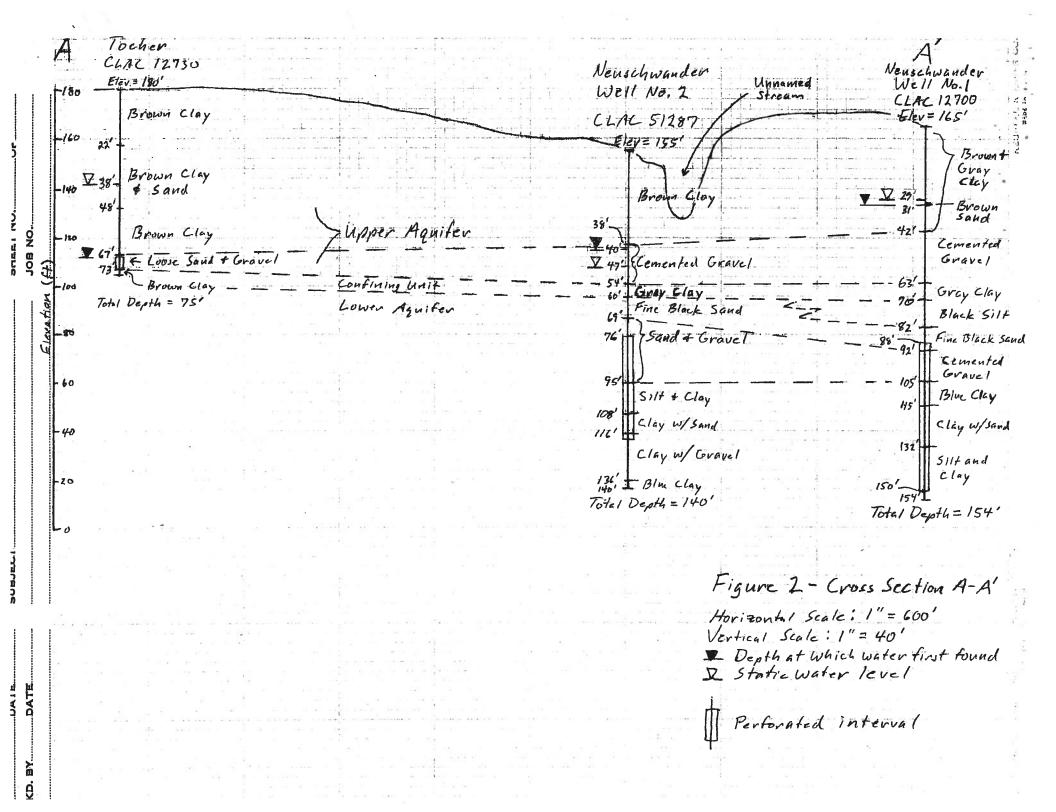


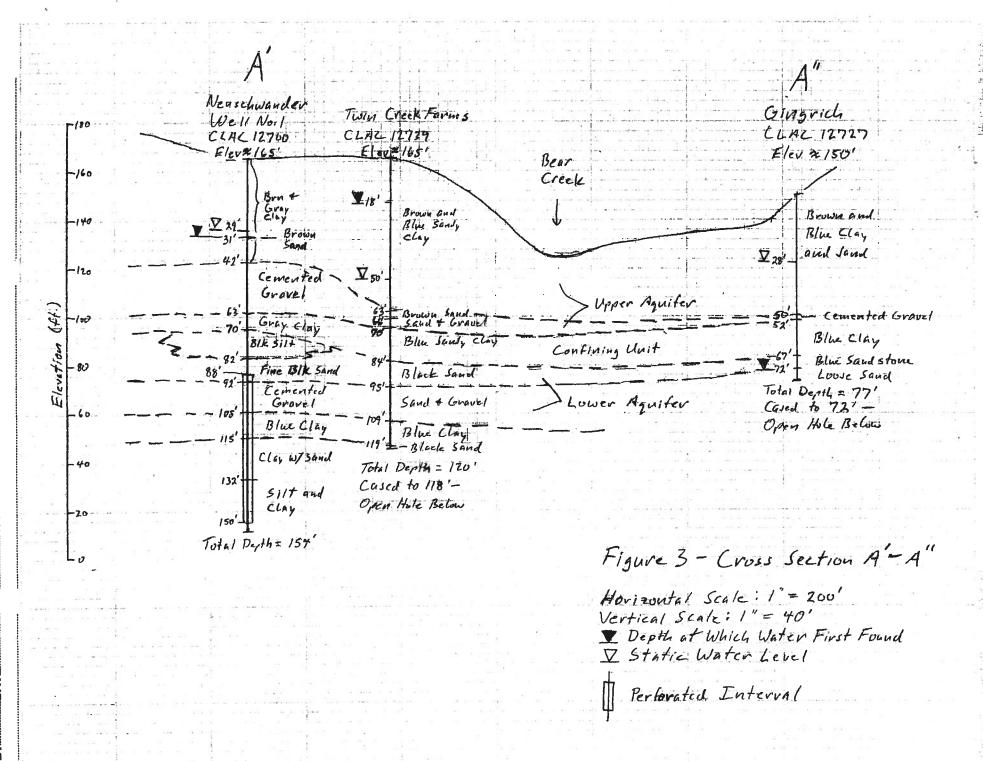
Source: USGS 7.5 Minute Topographic Survey Map of Yoder Quadrangle, Oregon, 1955 (Photorevised 1985)

Figure 1 - Well and Cross Section Locations

Joel Neuschwander Application G-15567 T.4S. R.1E Section 32

Pacific Hydro-Geology Inc.





(D. BY

Table 1. Well Log Information for Neuschwander Wells and Other Wells in Vicinity

						Estimated Elev.	Estimated Elev.	Thickness of
		Legal/	Tax Lot	Owner	Estimated Well	at top of Clay	at bottom of Clay	Clay Confining
Well Log	J.D. No.	Map No.	Number	Last Name	Head Elevation (ft)*	Confining Unit (ft)	Confining Unit (ft)	Unit (ft)
CLAC	12700	4 1E 32	903	Neuschwander	165	102	95	7
CLAC	51287	4 1E 32	900	Neuschwander	155	101	95	6
CLAC	12730	4 1E 32	1505	Tocher	180	107	Unknown	Unknown
CLAC	12713	4 1E 32	1507	Hansen	175	111	81	30
CLAC	12726	4 1E 32	1300	Galer	170	<100	Unknown	Unknown
CLAC	12739	4 1E 32	901	Hansen (now	165	95	81	14
				Neuschwander)	-		8 1	
CLAC	12727	4 1E 32A	100	Gingrich	150	98	83	15
CLAC	12721	4 1E 32	207	Hunnicutt	180	<117	Unknown	Unknown
CLAC	51776	4 1E 32	51776	Martishev	155	81	58	23

<sup>\*</sup> Elevations are estimated from U.S.G.S. Topographic Map: Yoder Quadrangle, Oregon 7.5 Minute Series, 10-foot contour interval.

# MEGFIRE

# STATE OF OREGON

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Diamete:	From To	Gauge Steel Plastic		SICT BLACE	K	70	FZ	
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				CLAY BLU		92	105	
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8) WELLT	ESTS: Minin	num testing time i		(unbonded) Water W	ell Constructor Cer	tification:	/	
☐ Pump	_		Flowing	I certify that the	work I performed on	the constructi	on, altere	tion, or
Yield gal/min		— Air	☐ Artesian	abandonment of this standards. Materials us	ed and information re	ported above a	well cons re true to	truction my best
Seo Servicin	Drawdown	Drill sem at	Time	knowledge and belief.				
300	26	Pump	1 hr.	Signed		WWC Nu Date	mber	
		MIK GIF!	5		Co-tract 5			
emperature of wat	er	DepthArtesian Flo	w Found	(bonded) Water Well I accept responsib	ility for the construct	ion alteration	or shoul	On
vas a water analysi		By whom	*	work performed on the	Well during the const	mietion dotes -	anomad al	11
id any strata conte	in water not suitable	for intended use?	Poo little	work performed during construction standards belief	This report is true t	compliance w	th Orego	on well
	ly 🗆 Odor 🗀 Co	olored D Other			0/	() WWC Nu		
epth of strata:		<u> </u>		Signed	ent Kleck	Date	25/	88
value Copies - '	WATER RESOURCE	ES DEPARTMENT	* AETTÓM CO	PY-CONSTRUCTOR	PINK COPY	-CUSTOMER	91	809C 10/86

# RECEIVED Well 2

STATE OF OREGON
WATER SUPPLY WELL REPORT 51287
(as required by ORE 537.765)

JAN - 9 1997

TAG # LOZOTX

(START CARD) #\_ Instructions for completing this report are on the last page of this WATER RESOURCES DEPT. SALEM OREGON
OF WELL by legal description: Well Number County CLACKAMAS Letitude Longitude Neuschwander's Nursery Name E or W. WM. N or S Range 10 Address 6097 S. Whiskey Hill Rd 1/4 <u>Se\_ 1/4\_</u> Zip 97032 Hubbard City Subdivision Block 900 Lat Tax Lot (2) TYPE OF WORK Street Address of Well (or nearest address) New Well Deepening Alteration (repair/recondition) Abandonment 29435 S Needy Rd (3) DRILL METHOD: (10) STATIC WATER LEVEL: Rotary Air Rotary Mud X Cable Auger Sep 10, 1996 ft. below land surface. Other Date lb. per square inch. Artesian pressure (4) PROPOSED USE: (11) WATER BEARING ZONES: [ Irrigation Community Industrial Domestic Other ☐ Thermal ☐ Injection ☐ Livestor

(5) BORE HOLE CONSTRUCTION: ☐ Injection Livestock Depth at which water was first found Special Construction approval Yes No Depth of Completed Well 140 ft Estimated Flow Rate SWL From Amount Explosives used Yes No Type\_ 47 140 SEAT. 40 HOLE ecks or pounds 55 Sacks To 50 **Bentonite** 140 (12) WELL LOG: | B Ground Elevation How was seal placed: Method A  $\square$ B Other Granular Bentonite method SWL From To Material ft. Material Backfill placed from ft. to Soil ft. Size of gravel nea ft. to 120 Gravel placed from 60 38 (6) CASING/LINER: Clav. Brown 54 Cemented oravel brown Welded **Plantic** Diameter 140 54 58 Clay. orey Casing ō 58 60 Clay, orey, sandy 69 Sand, black, fine 60 71 49 Sand and oravel, black 74 71 Cemented oravel, sand Liner: 95 74 Sand & oravel 95 98 Clay, blue Final location of shoe(s) 140 101 98 clay, grey, silty (7) PERFORATIONS/SCREENSTIVE DOWN 108 101 Silt. dark orev Perforations Method 116 108 Clay w/black coarse sand Material Screens 136 Clay, grey w/some cemented gravelii6 Diameter .188 140 Clay, blue Note: 6 inch gravel feed each side of 8 inch well Dec 10, 1996 August 8, 1996 Completed (8) WELL TESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: Flowing I certify that the work I performed on the construction, alteration, or abandonment լ Air Artesian of this well is in compliance with Oregon water supply well construction standards.

Materials used and information reported above are true to the best of my knowledge Bailer Pump Time Drill stem at Yield gal/min air line @ and belief. 1 hr. 4 hr **WWC Number** 105 220 Signed (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water 53 I accept responsibility for the construction, alteration, or abandonment work Yes By whom Was a water analysis done? performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well Did any strata contain water not suitable for intended use? Too little construction standards. This report is my to the best of my knowledge and belief Salty Muddy Odor Colored Other WWC Number Depth of strata:

The original and first copy of this report are to be filed with the	L REPORTE CEIVED	451	12-	32a
STATE ENGINEER, SALEM, ØREGON 9780 1 10 1 0 0 m.l.	or print)  VATER RESOURCES DEDT	io		
	SALEM OREGON	721	05	
(1) OWNER:	(10) LOCATION OF WELL:			
Name DICK TOWHER	County LACKAMAS Driller's well no	umber	276	•
Address 717) S BERNALDS KD.		1 -		
CANDY OFFGON	5W 45W 4 Section 32 T. 45	R. 16		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corne	r	
	***			
New Well Deepening Reconditioning Abandon Life abandonment, describe material and procedure in Item 12.	(11) WARNED TRAVERY Commission			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed w	67 67		, ft.
Rotary Driven Domestic M Industrial Municipal D	Static level .38 ft. below land	surface.	Date //	10/77
Dug Bored I Irrigation Test Well Other	Artesian pressure lbs. per squar		7	<del>"</del>
	At testan pressure ins. per squar	e men.	Date	
CASING INSTALLED: Threaded Welded W	(12) WELL LOG: Diameter of well	below car	dne	
6 " Diam. from 0 ft. to 68 ft. Gage .250"	Depth drilled 75 ft. Depth of compl		-	ft.
" Diam. from ft. to ft. Gage				
ft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each strature	and struc m and a	ture of r	naterials; netrated
PERFORATIONS: Perforated?   Yes   No.	with at least one entry for each change of forma position of Static Water Level and indicate prin	tion. Rep	ort each (	change in
Type of perforator used	MATERIAL	From	To	SWL
Size of perforations in, by in.	TOP SOIL	0	2	
perforations from ## to ##	BROWN CIAY	2	72	
perforations from ft. to ft.	BROWN (LAY AND			7
	SAND	22	48	
perforations from ft. to ft.		10	67	
(7) SCREENS: Well screen installed? Yes No	BROWN CLAY	40	61	<del></del>
Manufacturer's Name JOHNSON	LOOSE SAND AND	1,2		
TypeModel No.	GRAVE	67	73	38
E 16 18 72	DROWN (LAY	73	75	
Diam. Slot size Set from ft. to ft.				
(8) WELL TESTS: Drawdown is amount water level is lowered below static level				
Was a pump test made? Tes No. If yes, by whom?				
Yield: gal./min. with ft. drawdown after hrs.				
II II II II II II II II II II II II II				
Bailer test 15 gal./min, with 12 ft. drawdown after 1 hrs.				*
gent water 1 ps 1st the water 1 ms.	•			
Ariesian flow g.p.m.				
nperature of water Depth artesian flow encounteredft	Work started 1/6 1977 Complete	ed 1/11	0	1977
(9) CONSTRUCTION:	Date well drilling machine moved off of well	- 1	10	19 77
Well seal-Material used BENTONITE	Drilling Machine Operator's Certification:			
Well sealed from land surface to	This well was constructed under my	direct	super	vision.
Diameter of well bore to bottom of seal 10 in	Materials used and information reported best knowledge and belief.	above a	are true	to my
Diameter of well bore below sealin	$\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$ $\sim$	Det I	/12	77
Number of sacks of cement used in well seal	(Drilling Machine Operator)	Date .1.		., 49
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No.		_32	7
Brand name of bentonite NATIONAL	`			
Number of pounds of bentonite per 100 gallops	Water Well Contractor's Certification:			
of water 200 lbs./100 gals.	This well was drilled under my jurisdi	iction ar	d this r	eport is
Was a drive shoe used? No Plus Size: location ft.	true to the best of my knowledge and bel	ief.		-
Did any strata contain unusable water? I Yes No	Name KELLER WELL VRILL	114	<u></u>	
	(Person, firm or composition)  Address 63.50 SE Browne	<b>上 (</b> 徐	pe or prin	15) 
Type of water? depth of strata	Address COLO DE DICONTE	لناليك	ILLUM	KIE.
Method of sealing strata off	[Signed]	) !		
Was well gravel packed? ☐ Yes ⋈ No Size of gravel:	(Water Well Conti	actor)		
Gravel placed fromft.	Contractor's License No. 462 Date	1/12	-	19.77
T CHER ADDRESS OF	7	<del></del>		,

of this report are to be OCT - 4 1971 WASTER WE filed with the STATE OF ENCINEER, SALEM, CEFON PRO ENCINEER STATE OF PROSECULAR WITHIN 20 days from the day.	OREGON O 1 C State Well No.	4/1	-32	<u>L</u>
within 30 days from the date ALEM. OR CO not write a	above this line) State Permit F	ľo		
(1) OWNER:	140			_
Name Don Hanson - Twin Creek Farms	(10) LOCATION OF WELL:			
Address Rt. Box 340, Carby, Ore. 97013	County Clackamas Driller's well n			
Address or Doz yro; Varby; Vie. 9701)	½ ½ Section 32 T. 4S	R. LE		
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corne	<u>r</u>	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐				
If abandonment, describe material and procedure in Item 12.	(11) THATTER THEFT			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed w	ell.		
Rotary M Driven I	Depart at which water was that found			
Cable Jetted Donnestie industrial Municipal	Static level 32 ft. below land a	rurface.	Date	
Dug	Artesian pressure lbs. per squar	e inch.	Date	
CASING INSTALLED: Threaded  Welded	(12) WELL LOG: Diameter of well 1		. 1	"
12 " Diam. from 0 ft to 155 ft. Gage .250	Depth drilled 345 ft. Depth of compl		20	
	Formation: Describe color, texture, grain size			2
PERFORATIONS: Performed II Ver II No.	and show thickness and nature of each stratus with at least one entry for each change of forms position of Static Water Level and indicate prin	m and aq	quifer pe	netra
Type of perforator used				_
Size of perforations in. by in.	MATERIAL Tongoil Process	From	To.	SW.
perforations from ft. to ft.	Topsoil-Brown Clay-Brown	3	<u>3</u> 20	
perforations fromft. toft.	Clay-Blue	20	60	
perforations from ft. to ft.	Clay-Bl-Sandy-Blk-Fine-	60	64	
(7) SCREENS: Well screen installed? A Ves II No.	Water trace			
The surface by Ita	Clay-Br-Sand seams-Fine-Br	64	94	
Total rome d	Sand-Blk-Fine-Clay-Blue	94	125	
Diam. 12 Slot size 1/4 Set from 105 ft. to 155 ft.	Sand-Blk-Fine-Gravel trace	s 125	160	
Diam. Slot size Set from ft. to ft.	Fine-Clay-Blue			
(0) 2007 7 1007	Clay-Bl-Sand streaks-Fine	160	180	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Sand-Blk-Claystone-Blue	1.80	190	
Was a pump test made? The Yes No. If yes, by whom?	Clay-Green-Blue	7.90	105	
Yield: 500 gal/min. with 30 ft. drawdown after 5 hrs.	Clay-Blue	195	200	
800 " 45 " 4 "	Clay-Gray	500	230	
1000 , 70 , 10 ,	Claystone-Blue	230	275	
Bailer test gal./min, with ft. drawdown after hrs.	Gravel-Lrg-Clay-Blue	275	278	
Artesian flow g.p.m.	Claystone-Blue Claystone-Gray-Blue	278	_290	10
Temperature of water Depth artesian flow encounteredft_	Work started 5-29 197/ Complete		_30d	_(C
(IV CONCERNITORY	Date well drilling machine moved off of well	<u> </u>	<del>_</del>	19
(9) CONSTRUCTION:				19
Well seal-Material used Bentonite - Coment Grout	Drilling Machine Operator's Certification:	A2		
Well sealed from land surface to 60 ft.  Diameter of well hore to bottom of seel 534 in	This well was constructed under my Materials used and information reported	above a	superv re true	to I
Diameter of well have below seel in	best knowledge and bener.	レノ		
Number of sacks of cement used in well seal sacks	[Signed ] Lund   Kunny	JateÇ	-25,	, 19.7
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No	277	················	·
Brand name of bentonite National			<del></del>	
Number of pounds of bentonite per 100 gallos	Water Well Contractor's Certification:		*	
of water Ibs./100 gals.	This well was drilled under my jurisdic true to the best of my knowledge and beli	tion and	i this re	port
Was a drive shoe used? 🗆 Yes 🔯 No Flugs Size: location ft.	Name S & M Drilling & Supply	7		
Did any strata contain unusable water ☐ Yes ☑ No	Rt. 1 Box 31, Camby,	O- (Typ	e or print	<u>t</u> )
Type of water? depth of strata	Address AL. I DOX OL. Camby,	ore.	AAOT3	<b>)</b>
Method of sealing strata off		******	*******	******

NOTICE TO WATER WELL CONTRACTOR E G E WATER WELL REPORT of this report are to be filed with the OCT - 4 1971 STATE OF OREGON

(Plasse type or print)

State Well No. State Permit No. ..

STATE ENGINEER, SALEM, OREGON 97810 ENCINEERS type or print) within 30 days from the date! A IE ENCINEER type or print) of well completion. SALEM OR 100 Ret write above this line)

(1) OWNER: (Cont.)	(10) LOCATION OF WELL:
Name	County Driller's well number
Address	1/2 1/4 Section T. R. W.M.
(6) MVDE OF WORK (1 1)	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	
New Well Deepening Reconditioning Abandon .	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found ft.
Rotary Driven Domestic Dindustrial Municipal D	Static level ft. below land surface. Date
Dug	Artesian pressure lbs. per square inch. Date
CASING INSTALLED: Threaded D Welded D	
	(12) WELL LOG: Diameter of well below casing
" Diam. fromft. Gage	Depth drilled ft. Depth of completed well ft.
" Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size and structure of materials;
	and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in
PERFORATIONS: Perforated? Yes No.	position of Static Water Level and indicate principal water-bearing strata.
Type of perforator used	- MATERIAL From To SWL
Size of perforations in. by in,	Claystone-Sandstone seams- 300 340 32
perforations from ft. to ft.	Water
perforations from ft. to ft.	Sand-Fine-Gray-Blank 340 345
perforations from ft. to ft.	
(7) SCREENS: Well screen installed?   Yes   No	
Manufacturer's Name	
Type Model No Diam Slot size Set from ft. to ft.	
Diam. Slot size Set from ft. to ft.	
Not such such such such such such such such	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	
Was a pump test made?  Yes No If yes, by whom?	,
771-13-	
rield: gai,/mm with - ft. drawdown after hrs.	
Baller test gal./min. with ft. drawdown after hrs.	
Artesian flow g.p.m.	
perature of water Depth artesian flow encounteredft.	Work started 19 Completed 19
(9) CONSTRUCTION:	Date well drilling machine moved off of well 19
Well seal—Material used	Drilling Machine Operator's Certification:
Well sealed from land surface toft.	This well was constructed under my direct supervision.  Materials used and information reported above are true to my
Diameter of well bore to bottom of seal in.	best knowledge and belief.
Diameter of well bore below seal in.	[Signed] Burnet by Survey State
Number of sacks of cement used in well seal sacks	(Drifting Majonina-operator)
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.
Brand name of bentonite	Water Well Contractor's Certification:
Number of pounds of bentonite per 100 gallons	This well was drilled under my jurisdiction and this report is
of water lbs./100 gals.	true to the best of my knowledge and belief.
Was a drive shoe used?  Yes No Plugs Size: location ft.	Name (Person, firm or corporation) (Type or print)
Did any strata contain unusable water?   Yes  No	
Type of water? depth of strata	Address
Method of sealing strata off	[Signed] Bennth Spenne
Was well gravel packed?  Yes No Size of gravel:	(Water Well Contractor)
Gravel placed from ft. to ft.	Contractor's License No Date 19
5 2 10 10 10 10 10 10 10 10 10 10 10 10 10	F

EUEWELSkyles Drilling, Inc.

1169 Molalla Ave.

L09629

STATE OF OREGON JUN - 2 1997 Oregon City, OR 97045 WATER SUPPLY WELL REPORT 656-2683 98083 (as required by ORS 53WATER RESOURCES DEPT. (START CARD) #\_ Instructions for completing the nearl arguesthe less page of this form (1) OWNER: Well Number (9) LOCATION OF WELL by legal description: Name Tony Martishev Count Clackamas Latitude Longitude Address 1040 Tierra Lynn Dr Township 4 South N or S Range 1 East E or W. WM. Woodburn Zip97071 Section 32 Or NW 1/4 NW (2) TYPE OF WORK Tax Lot 500 Lot Block Subdivision Street Address of Well (or nearest address) New Well Deepening Alteration (repair/recondition) Abandonment S. Barlow (3) DRILL METHOD: Canby, (10) STATIC WATER LEVEL: Rotary Air Rotary Mud Cable Auger MOther Holte 30 ft. below land surface. Date 5-17-97 (4) PROPOSED USE: Artesian pressure lb. per square inch. Domestic Community Industrial Irrigation (11) WATER BEARING ZONES: Thermal Injection Livestock Other (5) BORE HOLE CONSTRUCTION: Depth at which water was first found 57 Special Construction approval Yes No Depth of Completed Well 235ft. Explosives used Yes No Type From 57 To Estimated Flow Rate SWL HOLE SEAL <u>74'</u> **4**0 30 **97'** 112' 30 100 0 18 Bentonite 18 0 223' <u> 200</u> 16 sacks <u> 249 '</u> 30 93" 18 250 **216225 Cement** 223 216 6 sacks (12) WELL LOG: How was seal placed: Method A B Ground Elevation Diber Bent Poured/Cement pumped Backfill placed from 250 ft. to 235 ft. Material 3/8" grave Material From SWL To Size of grid sacks Gravel placed from ft Clay Brown Sandy (6) CASING/LINER: To Gauge Steel Welded Plastic Threaded Clay Brown 57 Casing: 8 \*\* 229 Sand Brown 57 74 Clay Gray 97 Liner: None Sand Gray Med Some Grave 197 Final location of shoe(s) None (7) PERFORATIONS/SCREENS: Clay Gray 112 223 Perforations Method Screens | Type Material Sand Cemented Gray Med 223 249 <u>30</u> From Diameter Casing None Clay Gray 250  $\Box$ (8) WELL TESTS: Minimum testing time is 1 hour Date started <u>5-8-97</u> Completed (unbonded) Water Well Constructor Certification: Flowing Bailer Pump I certify that the work I performed on the construction, alteration, or abandonment X Air Artesian of this well is in compliance with Oregon water supply well construction standards.

Materials used and information reported above are true to the best of my knowledge Yield gal/min Drawdown Drill stem at Time 200 220 1 hr and belief. WWC Number 553 Date 5-23. Temperature of water 56° Depth Artesian Flow Found (bonded) Water Well Constructor Certification: Was a water analysis done? Yes By whom I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work Did any strata contain water not suitable for intended use? Too little performed during this time is in compliance with Oregon water supply well Salty Muddy Odor Colored Other construction standards. This report is true to the best of my knowledge and belief. Depth of strata: WWC Number 1592

Signed

Date 5-23

NOTICE TO WATER WELL CONTRACTOR	CLAC	Si
The original and first copy of this report are to be filed with the	ELL REPORT 012726	4
STATE ENGINEER, SALEM 10, OREGON OV 3 1962 Thease by	F OREGON pe or print)	-32
STATE ENGINEER, SALEM 10, OREGON OV 13 1962 (Flease ty within 30 days from the date of well completion.	State Fermit No. 7	1300
(1) OWNER:	(11) WELL TESTS: Drawdown is amount wat lowered below static level	er level is
	Was a pump test made? X Yes No If yes, by whom?	J.T.Miller
Address Rt.2, Box 346, Canby, Ore.	Yield: 50 gal/min with 23 ft drawdown a	ofter hrs.
	27 29 31	
(2) LOCATION OF WELL:	Bailer test gal./min. with ft. drawdown	neton has
County Clackamas Driller's well number	Artesian flow g.p.m. Date	after hrs.
14 14 Section 32 T. 4S R. 1E W.M.	Temperature of water Was a chemical analysis made	le? 🗆 Yes 🖂 No
750 Ft.North, 300 Ft. West of S.E	(10) TIME I LOG	6
corner sec.32.	(12) WELL LOG: Diameter of well below cash.  Depth drilled 70 ft. Depth of completed well	_
	The state of the s	70 ft.
	Formation: Describe by color, character, size of material a show thickness of aquifers and the kind and nature of the stratum penetrated, with at least one entry for each char	material in each uge of formation.
(0)	MATERIAL E	то то
(3) TYPE OF WORK (check):	surface	3 32
w Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐ abandonment, describe material and procedure in Item 12,	clay, yellow	2 62
	clay, gray	23 42
(4) PROPOSED USE (check): (5) TYPE OF WELL:	Coarse brogen sand, gravei	42 63
Domestic A Industrial Aumicipal Cable Driven Cable Jetted	- water	0) 70
Irrigation   Test Well   Other   Dug   Bored		
(6) CASING INSTALLED: Threaded   Welded X		
(6) CASING INSTALLED: Threaded Welded 5  6 "Diam from 0 ft to 70 ft Gage		
"Diam fromft toft. Gage		
"Diam. fromft. toft. Gage		
(E) DEDECO ATTONO		
(7) PERFORATIONS: Perforated?   Yes  No  Type of perforator used		
Size of perforations in. by in.		
perforations from ft. to ft.		
perforations fromft. toft.		
perforations fromft, toft		
perforations from ft. to ft.		
perforations from ft. to ft.		
(8) SCREENS: Well screen installed    Yes    No		
Manufacturer's Name		
DeModel No.		
Diam. Slot size Set from ft. to ft.	Work started 10-29- 19 62 Completed 10-3	1- 19 62
Diam. Slot size Set from = ft to ft.	Date well drilling machine moved off of well	19
(9) CONSTRUCTION:	(13) PUMP:	*
hastr mild and soment	• •	
Well seal—Material used in seal	Manufacturer's Name	***************************************
Diameter of well bore to bottom of seal in,	Type: H.P.	**************************************
Were any loose strata cemented off? [] Yes [] No Depth	Water Well Contractor's Certification:	
Was a drive shoe used? ☐ Yes ☐ No —	This well was drilled under my jurisdiction and	this report is
Was well gravel packed? ☐ Yes ☐ No Size of gravel:	true to the best of my knowledge and belief.	_
Gravel placed fromftftftft	NAME J.T.Miller	
Did any strata contain unusable water?	KAT 176 Attended 1100	or print)
Type of water? Depth of strate	Address SOX 1/7, Aurore, Ore.	
Method of sealing strata off.	Drilling Machine Operator's License No.	
(10) WATER LEVELS:	1.5 920 1100	
Static level 27 ft. below land surface Date 16-29-62	[Signed] (Water Well Contractor)	*****************
Artesian pressure lbs. per square inch Date	Contractor's License No Date . 10_31	19.62
(USE ADDITIONAL SH	EETS IF NECESSARY)	

The original and first-copy of this report WATER WELL REPORT are to be filed with the State Well No. 45/1E - 33ck STATE OF OREGON WATER RESOURCES DEPARTMENT, Howe SALEM, OREGON 97310 (Please type or print) (Do not write above this line) within 30 days from the dafe State Permit No. .... of well completion. Well (1) OWNER: (10) LOCATION OF WELL: County CLACKAMAS Name TWIN CREEK Farms DON HANSON Driller's well number T. 45 Address 29385 S. Needv Rd. 33 % Section R. W.M. Canby, Oregon 97013 Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New WellXX Deepening | Reconditioning [7] Abandon [] If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found Rotary Driven 🔲 Domestic 🔀 Industrial 🗌 Municipal 🗍 Static level 50 ft. below land surface. Date2-25-79 Cable Jetted 🔲 Irrigation [] Test Well [] Other Dug Bored | Artesian pressure lbs. per square inch. Date CASING INSTALLED: ft. to \_\_\_\_ft. Gage \_\_\_\_\_\_\_ (12) WELL LOG: ." Diam. from \_\_O Diameter of well below casing . 120 Depth drilled ft. Depth of completed well 120 " Diam. from Formation: Describe color, texture, grain size and structure of materials; " Diam. from ... ft. Gage .. and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in PERFORATIONS: position of Static Water Level and indicate principal water-hearing strata. Perforated? Tyes P.No. Type of perforator used MATERIAL. From Size of perforations in. by topsoil .... perforations from ... clay sandy brown 1 28 ... perforations from ...... clay sandy blue 28 63 .. perforations from ..... sand brown 63 66 ring sand & gravel (7) SCREENS: Well screen installed? 🛘 Yes 🏖 No brown medium 66 70 Manufacturer's Name .... clay sandy blue 70 84 Type ... sand black 84 95 Set from .... ... ft. to ... sand & gravel blue med 95 109 Set from \_\_\_ft. to ...\_\_ clay blue 109 119 sand black Drawdown is amount water level is lowered below static level (8) WELL TESTS: 119 50 Was a pump test made? 
Yes 1 No If yes, by whom? Yield: 45 gal./min. with total drawdown after hrs. <del>AUG2 - 1979</del> AIR ROTARY . WATER RESOURCES DEPT SALEM, OREGON Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. perature of water Depth artesian flow encountered ... Work started Completed Date well drilling machine moved off of well (9) CONSTRUCTION: 7-25 19 79 Well seal-Material used Cement Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my Well sealed from land surface to \_\_\_\_\_20 Diameter of well bore to bottom of seal ... best knowledge and belief. Diameter of well bore below seal ..... [Signed] .... (Drilling Machine Operator) Number of sacks of cement used in well seal How was cement grout placed pressure grouted Drilling Machine Operator's License No. .. Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Was a drive shoe used? Yes | No Plugs ...... Size: location ..... S & M DRILLING & SUPPLY, INC. Did any strata contain unusable water? Tyes No (Person, firm or corporation) Canby, Or. 399 S.E. wainut St. Type of water? depth of strata Method of sealing strata off Was well gravel packed? TYes 140 Size of gravel: 497 Date .. Gravel placed from ..... ft. to ..... Contractor's License No. .. (USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be	ERECEIVED		,	
		45	115	32
STATE ENGINEER, SALEM, OREGON 57310 (Please typ	OREGON APR 2 91977 State Well No	/	<del>//:-</del> -	224
within 30 days from the date of well completion.	THE RESOURCES State Permit	No	······································	
CONTROL COMPLETED IN CONTROL SECTION OF THE SECTION	SALEM. ORECON			
(1) OWNER:	(10) LOCATION OF WELL:		8.*	<del></del>
Name DOUG GINGERICH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.0	72	1
Address RT 1 Box 118			<u> </u>	<del></del>
HUBBARD CIREGON 97032	NE 14 NE 14 Section 32 T. 45			W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis	sion corr	er	v
New Well				
If abandonment, describe material and procedure in Item 12.				<del></del>
	(11) WATER LEVEL: Completed	vell.	7_	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found	/	2_	
Rotary Driven Domestic Mindustrial Municipal Domestic	Static level 28 ft. below land	surface.	Date 4	426/77
Dug   Bored   Irrigation   Test Well   Other	Artesian pressure Ibs. per squa	re inch.	Date /	<del>//-</del> / ·
CASING INSTALLED: Threaded D. Welded D.				
CASING INSTALLED: Threaded   Welded   W	(12) WELL LOG: Diameter of well	below ca	sing	
"Diam from ft to ft Gage	Depth drilled ft. Depth of comp	leted we	<u>n</u> 7	7 ft.
"_Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size	and stru	cture of	materials;
	and show thickness and nature of each strate with at least one entry for each change of form	ım and a ation. Re	iquifer p	enstrated,
PERFORATIONS: Perforated?   Yes   No.	position of Static Water Level and indicate pri	ncipal w	iter-beari	ng strata.
Type of perforator used	MATERIAL,	From	To	SWL
Size of perforations in. by in.	TOP SOIL	0	2	
perforations fromft. toft.	PROVUN CLAR	2	13	
perforations fromft. toft.	SAND AND BROWN	-	1	
perforations from	LAY	13	29	
	BLUE CLAY	29	31	
(7) SCREENS: Well screen installed? Yes No	BROWN CLAY AND			
Manufacturer's Name SIOHNSCIN	SAUD	31	4	
Type Model No	BLUE CLAY	41	50	
Diam. Slot size Set from ft. to ft.  Diam. Slot size Set from ft. to ft.	COMPNIED (TRAVEL	50	52	
See Aut R. D.	BUE CIAY	52_	67	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	S.FT BLUE	100		
Was a pump test made? ☐ Yes No If yes, by whom?	SANDSTONE LOGSE SAND	67	45	70
STATE OF THE PARTY	LEUSE SAIVE	1/2	<del>                                     </del>	20
gai./min. with it. drawdown after hrs.		<del>                                     </del>	<del>                                     </del>	
76 0				
Bailer test 5 gal./min. with 7 ft. drawdown after 1 hrs.				
Artesian flow g.p.m.			/	
perature of water Depth artesian flow encountered ft.	Work started 4/22 19 7 Complet	ed 4	126	19 77
(9) CONSTRUCTION:	Date well drilling machine moved off of well	41	27	19 77
Well seal—Material used	Drilling Machine Operator's Certification	- //		
Well sealed from land surface to	This well was constructed under my	direct	super	vision.
Diameter of well bore to bottom of seal	Materials used and information reported best knowledge and belief.	above	are, true	to my
Diameter of well bore below sealin.	reigned (XX YOUV)	4	4/27	. 77
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	Date	7-1	., 19//
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.	3	29	********
Brand name of bentonite NATIONAL				
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
of waterlbs./100 gals.	This well was drilled under my jurisd true to the best of my knowledge and be	iction an	nd this r	eport is
Was a drive shoe used? Yes   No Plugs Size: location ft.	Name KELLER WELLERU	アアンペ	( ~	
Did any strata contain unusable water? D Ye A No	(Person, firm or corporation)	(¢	ppe or pri	at)
Type of water? depth of frata	Address 6350 SE MCOUNL	EE,	Mill	AUKIE
Method of sealing strata off	[Signed]	_ /		6
Was well gravel packed? Tyes No Size of gravel:	[Signed] (Watch Well Cont	actor)	*************	
Gravel placed fromft.	Contractor's License No. 42 Date	4/2	7	1077
(USE ADDITIONAL ST		-	+	AU/

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

WATER WELL REPORT CEIVE DWEIL NO. 2 1STATE OF OREGINE JUN 2 21973 Well No.

(Do not write above to The TE ENGINEER ermit No.

	SALEM OREGON	202 10/02		
(1) OWNER:	(10) LOCATION OF WELL:	204		
Name Richard Hunnicut	County Clackamas Driller's well no	umber 702		
Address Rt 2 Box 124-A, Canby, Oregon	4 % Section 32 T.4S	R. 18 203 W.M.		
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corner		
New Well Deepening Reconditioning Abandon Life abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed w	rell.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found	55 st.		
Rotary Driven Domestic Industrial Municipal Domestic	. Static level 30 ft. below land a			
Bored   Irrigation   Test Well   Other				
CASING INSTALLED: Threaded □ Welded ☑	(19) YEST T T.O.C.	6		
6 " Diam. from 0 ft. to 57 ft. Gage • 250	(12) WELL LOG: Diameter of well i	neron casing		
"Diam from	Depth drilled 64 ft. Depth of compl			
Diam. fromft. toft. Gage	Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in			
- marana. C 102 B 110.	position of Static Water Level and indicate prin	cipal water-bearing strata.		
Type of perforator used	MATERIAL	From To SWL		
Size of perforations in. by in.	Scil Brown	0 2		
perforations from ft. to ft.	Olay, Brown	2 28		
periorations from ft. to ft.	Clay, Gray	28 35		
perforations fromft. toft.	River Rock, Cemented	35 55		
(7) SCREENS: Well screen installed? ☐ Yes ☒ No	Sand, Gravel, WB			
Manufacturer's Name	Datu, Glavel, MD	22 62 20		
Type Model No.				
Diam. Slot size Set from ft. to ft.				
Diam. Slot size Set from ft. to ft.				
(8) WELL TESTS: Drawdown is amount water level is lowered below static level				
Was a pump test made?   Yes  No If yes, by whom?				
d: and forth and the second				
gar/mm. with it. drawdown after hrs.				
" "				
Bailer test 25 gal./min. with 27 ft. drawdown after 1 hrs.	14			
esian flow g.p.m.				
perature of water Depth artesian flow encountered ft.	Work started 5/3/73 19 Complete	45/3/73 19		
(9) CONSTRUCTION:	Date well drilling machine moved off of well	5/3/73 19		
Well seal—Material used Bentoni te	Drilling Machine Operator's Certification:			
Well sealed from land surface to 20 ft	This well was constructed under my	direct supervision.		
Diameter of well bore to bottom of sealin.	Materials used and information reported best knowledge and belief.	above are true to my		
Diameter of well bore below seal6in.		Date 5/9/73 10		
Number of sacks of cement used in well seal sacks	[Signed] A Salaman [Signed] (Drilling Machine Operator)			
Number of sacks of bentonite used in well sealsacks	Drilling Machine Operator's License No. 681			
Brand name of bentonite Wilhur Ellis				
Number of pounds of bentonite per 160 gallons	Water Well Contractor's Certification:	89		
of water lbs./100 gals.	This well was drilled under my jurisdictrue to the best of my knowledge and beli	ction and this report is		
Was a drive shoe used? Tyes 🔲 No Flugs Size: location ft.	_	BL.		
Did any strata contain unusable water? 🖸 Yes 🔁 No	Name Harvey Blackman	(Type or print)		
Type of water? depth of strata	Address Rt 1 Box 181K, Mulino			
Method of sealing strata off	reimodi Wa Law of land			
Was well gravel packed? ☐ Yes ▼ No Size of gravel:	[Signed] Down Black (Water Well Contra	zh Bss		
Gravel placed fromft_toft	Contractor's License No. 537 Date	5/9/73		

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

(1) OWNER:

WATER WELL REPORT
STATE OF OREGON JUL 2 5 1975 State Well No. HS/1E-32-4

(Please type of SAFER RESOURCES DEPT Permit No. (Do not write above this 150ALEM, OREGON

(10) LOCATION OF WELL:	_		
County Clackamas Driller's well nur	nber		
Dene 3 Denest Rection Note: "TE	R. 1E		W.M.
Bearing and distance from section or subdivisio	n corner		
Bearcreek Estates #6			
*			
(11) WATER LEVEL: Completed we	all.		
Depth at which water was first found 45	9		1t.
Static level 55 ft. below land st	ırface. I	Date 7-	18-75
Artesian pressure lbs, per square	inch.	Date	
(12) WELL LOG: Diameter of well b	elow cas	ing 61	1
Depth drilled 112 ft. Depth of comple			ft.
Formation: Describe color, texture, grain size a and show thickness and nature of each stratur with at least one entry for each change of format position of Static Water Level and indicate prin	ion. Rep	iuner pe ort each	change in
MATERIAL	From	То	SWL
Topsoil	0	3_	
Clay-brown	3	26	
Gravl-med	26	62	1203
Clay-brown	62	85	
Gravel-med	85	93	<u> </u>
Gravel-sm-clay-brown	93	105	
Gravel-med-sand-blk-water	105	112	_55
	-		<del>                                     </del>
	<del> </del>		
			+
		<b> </b>	
		1	
		<u> </u>	
	<u> </u>		<del> </del>
	ļ	<u> </u>	ـ
		<u> </u>	
Work started 7-18 19 75 Comple	ted 7-	<u>-18</u>	19 7
Date well drilling machine moved off of well	7-	18	1975
Drilling Machine Operator's Certification  This well was constructed under my Materials used and information reported best knowledge and belief  [Signed]	y direc l above ÆDāte	7-24	ervision. ue to my
Water Well Contractor's Certification:	* (*)		
This well was drilled under my juris true to the best of my knowledge and b	diction a	and this	report is
Name S & M Drilling & Supply (Person, firm or corporation)	. Inc	Type or p	print)
Address 399 S.E. Walnut, Canb		e. 970	
[Signed]	2Q		
(Water Well Cor		_	<b>₩.</b>
Contractor's License No. 497 Date	1-24	*******	, 197.5

	280 S Vacksburg Rd Canby One.
Address 1.12	280 S. Macksburg Rd., Canby, Ore.
(2) <b>TYPE</b>	OF WORK (check):
New Well 🔀	Deepening Reconditioning Abandon
If abandonme	nt, describe material and procedure in Item 12.
(3) TYPE	OF WELL: (4) PROPOSED USE (check):
Rotary K	Driven ☐ Domestic ☑ Industrial ☐ Municipal ☐
Cable   Dug	Bored     Irrigation   Test Well   Other
CASIN	NG INSTALLED:Threaded [] Welded [3]
	m. from ft. to ft. Gage
	am. from 0 ft. to 110 ft. Gage 250
" Dia	am. fromft. toft. Gage
	ORATIONS: Perforated?  Yes No.
	rations in, by in.
Size of perfor	perforations from ft. to ft.
	perforations from
	perforations fromft. toft.
` '	ENS: Well screen installed?   Yes X No
Manufacture	r's Name
Туре	Model No
	Slot size Set from ft. to ft ft. to ft.
Diam	Slot size Set from
	Drawdown is amount water level is lowered below static level
	test made? Yes Wo If yes, by whom?  gal./min. with ft. drawdown after hrs.
Yield:	
	tary 20 total " 1 "
-11	
Bailer test	gal./min. with ft. drawdown after hrs.
Artesian floy	
nperature	e of water Depth artesian flow encountered ft.
(9) CON!	STRUCTION:
	Material used Bentonite
	from land surface to18ft.
Dismeter of	well bore to bottom of sealin.
Diameter of	well bore below seal6in.
Number of	sacks of bentonite used in well seal $3\frac{1}{2}$ sacks
Brand name	of bentonite Wilber Ellis
	pounds of bentonite per 100 gallons
	lbs./100 gals.
Was a drive	shoe used? Tyes INo Plugs Size: location ft.
Was a drive	ata contain unusable water? 🔲 Yes 💆 No
Was a drive	ata contain unusable water?   Yes   No
Was a drive Did any str Type of wa	rata contain unusable water?     Yes
Was a drive Did any str Type of wa	ata contain unusable water?   Yes  No  ter?  depth of strata
Was a drive Did any str Type of wa	rata contain unusable water?     Yes

The original and firs Dove & E V TER WEI filed with the OCT 28 1971 STATE OF	L REPORT LAC	4/	1-3	32
within 30 days from Beldhe   E   E   C   NEER Please type of well completion. SALEM OF 22 Ope not write all	or prints	1		***************************************
(1) OWNER: #9	(10) LOCATION OF WELL:			
Name Dave Beeson	County Clackamas Driller's well no	han		
Address 645 N.E. Libee, Canby, Ore.	Dinier's went in			
Address 01) N. H. HILDER, VARDY, OTE.		R. 1E		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corne	<u> </u>	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐				
If abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed w	_		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found	18		ft.
Rotary Driven Domestic Mindustrial Municipal Cable Detted	Static level 35 ft. below land a	urface.	Date Q	-31-21
Dug 🔲 Bored 🗍 Irrigation 🗍 Test Well 🗍 Other 📙	Artesian pressure lbs. per squar	e inch.	Date	<del></del>
CASING INSTALLED: Threaded Welded Welded Some Title Control of the	(12) WELL LOG: Diameter of well 1	pelow cas	ing 6	11
59/16, Diam from 60 ft to 115 ft Gaglo	Depth drilled 115 ft. Depth of compl	eted well	11	5 ft.
"Diam. fromft. toft. Gage	Formation: Describe color, texture, grain size			
	and show thickness and nature of each stratus with at least one entry for each change of forma	tion. Rep	ort each	change in
PERFORATIONS: Perforated? X Yes \( \square\) No.	position of Static Water Level and indicate prin	cipal wat	er-bea <del>ri</del> ı	ng strata.
Type of perforator used Cutting torch	MATERIAL	From	To .	SWL
Size of perforations 1/8 in. by 12 in.	Topsoil-Brown	0	*	
perforations from 90 ft. to 110 ft.	Clay-Brown	3	า์ล	
perforations from ft. to ft.	Clay-Sandy-Brown-Water	18	22	7.8
perforations from ft. to ft.	Clay-Blue	22	60	60
(#) CODYNIA	Clay-Brown-Sandy-Water trac	60	90	00
(7) SCREENS: Well screen installed?   Yes   No	Sand-Blk-Clay seams-Blue-	90	110	FZC
Manufacturer's Name	Water	,0	110	22
Type Model No.	Clay_Blue	110	115	
Diam. Slot size Set from ft.				-
Diam. Slot size Set from ft. to ft.				
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	1			
Was a pump test made? Yes No If yes, by whom?				
Yield: gal./min. with ft. drawdown after hrs.		<del>                                     </del>		
r rotary 30 Total 2 "				
15 35 " 2 "		<del></del>		
Bailer test gal./min, with ft. drawdown after hrs.	- Aller and Alle	<del>  </del>		
Artesian flow g.p.m.				
Temperature of water Depth artesian flow encountered	77-12-14-14 O 20 10-17-1	<u></u>		
	Work started 9-29 1971 Complete		-59	1971
(9) CONSTRUCTION:	Date well drilling machine moved off of well	9-3	1	1971
Well seal-Material used Bentonite-Puddled Clay	Drilling Machine Operator's Certification:			
Well sealed from land surface toft.	This well was constructed under my Materials used and information/reported	direct	super	vision.
Diameter of well bore to bottom of seal in.	best knowledge and belief.		ne mue	: to my
Diameter of well bore below sealin_	[Signed Benefits &	Date .10	0-16	. 19.71
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)			,
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.		<u>(./</u>	
Brand name of bentoniteNational	Water Well Contractor's Certification:			<del></del>
Number of pounds of bentonite per 100 gallons	This well was drilled under my jurisdi	intion	A 4743	10mo=4 ==
of waterlbs./100 gals.	true to the best of my knowledge and bel	ief.	u uns r	ebort 18
Was a drive shoe used? Yes No Plus Size: location ft.	Name S & M Drilling & Sup	ply		
Did any strata contain unusable water?  Yes No	(Person, firm or corporation)	(Ту	pe or pri	-
Type of water? depth of strata	Address Rt. 1 Box 31 Calby	)*•*···		**********
Method of sealing strata off	[Signed Sennello & on	ne)		/
Was well gravel packed? ☐ Yes ☑ No Size of gravel:	(WaterWell Contr			***********
Gravel placed from ft. to ft.	Contractor's License No 520. Date	10-16		., 191

NOTICE TO WATER WELL CONDACTOR EN WELL REPORT of this report are to be SEP 2 1 1970 WATE OF OREGON U12 within 30 days from the date SALEM. ORUGON write above this line. State Permit No. ... (10) LOCATION OF WELL: (1) OWNER: Driller's well number County Clackamas Name Jim Payton Address 1731 N. Amrine Rd., Canby, Ore 14 Section Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): Reconditioning [ Deepening [ New Well 🛚 If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (4) PROPOSED USE (check): ft. (3) TYPE OF WELL: Depth at which water was first found Rotary Driven | ft. below land surface. Date 9\_11-70 Domestic A Industrial | Municipal | Static level Jetted []
Bored [] Cable Irrigation | Test Well | Other Artesian pressure Ibs. per square inch. Date Dug CASING INSTALLED: (12) WELL LOG: Threaded | Welded | Diameter of well below casing .. " Diam, from 0 ft. to 120 ft. Gage ... 250 120 ft. Depth of completed well Depth drilled "Diam. from \_\_\_\_\_ft. to \_\_\_\_\_ft.\_ Gage \_\_\_\_ Formation: Describe color, texture, grain size and structure of materials; " Diam. from \_\_\_\_\_ft. to \_\_\_\_\_ft. Gage \_\_\_ and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata. PERFORATIONS: Perforated? | Yes | No. MATERIAL Type of perforator used Topsoil-Brown in. by Size of perforations 22 Clay-Brown-Sandy ft. to ..... \_\_ perforations from ..... 22 Clay-Br. -Gravel-Coarse \_\_\_ perforations from ..... Water perforations from \_\_\_\_\_ft. to \_\_\_\_\_ 86 Clay-Brown-Sandy (7) SCREENS: 775 Well screen installed? 

Yes 

No Clay-Blue 7 20 115 Sand-Br. -Med .- Water Manufacturer's Name ..... Diam. ...... Slot size ...... Set from ..... ft. to \_\_\_\_\_ Diam. \_\_\_\_ Slot size \_\_\_\_ Set from \_\_\_\_ Drawdown is amount water level is lowered below static level (8) WELL TESTS: Was a pump test made? 

Yes No If yes, by whom? hrs. gal./min. with Yield: gal./min. with 20 ft. drawdown after Bailer test 40 hrs. Artesian flow g.p.m. 9-10 19 70 Completed Depth artesian flow encountered .... nperature of water Date well drilling machine moved off of well (9) CONSTRUCTION: Drilling Machine Operator's Certification: Well seal-Material used Bontonite-Puddied Clay This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief. Diameter of well bore to bottom of seal ..................... in. 0 [Signed] 95 enrethe Date 9-14..., 19.70 Diameter of well bore below seal ...... in. Number of sacks of cement used in well seal ...... Drilling Machine Operator's License No. .....277 Number of sacks of bentonite used in well seal ..... Brand name of bentonite National Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report is .. lbs./100 gals. true to the best of my knowledge and belief. Was a drive shoe used? XYes No Plugs ...... Size: location ...... ft. Name S & M Drilling & Sunply

Address Rt. 1 Box 31, Canby

Contractor's License No. 520 Date 9-14 19 70

Did any strata contain unusable water? 

Yes 
No

Was well gravel packed? ☐ Yes A No Size of gravel:

Type of water?

Gravel placed from ...

Method of sealing strata off

depth of strata

\_ft. to ....

0012013/0	L REPORT CLAC	4/1-32	
STATE ENGINEER, SALEM, OREGINATIE ENGINEER type within 30 days from the dateSALEM. OREGINATION of well completion.		- mai	
(1) OWNER: #6	(10) LOCATION OF WELL:		
Name James Payton	County Clackamas Driller's well no		
Address 1131 N. Amrine Rd., Canby, Ore.	14 14 Section 32 T. 4S	R. 1E	-W.M.
(2) TYPE OF WORK (check):	Rearing and distance from section or subdivision	on corner	
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐			
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w	ell	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	1	CII.	
Potential D. Potential D.	Depth at which water was first found 27		00 F0
Cable Jetted   Domestic M industrial   Municipal		urface. Date 9-	22-70
Dug	Artesian pressure lbs. per squar	e inch. Date	
CASING INSTALLED: Threaded □ Welded ☑  6 "Diam from □ ft to 1.22 ft Gage	(12) WELL LOG: Diameter of well to Depth drilled 722 ft. Depth of complements of the property	eted well 7 22	ft.
PERFORATIONS: Perforated?   Yes   No.	with at least one entry for each change of formal position of Static Water Level and indicate prin	tion. Report each o	change in
Type of perforator used	MATERIAL	From To	SWL
Size of perforations in. by in.	Topsoil-Brown	0 3	
perforations fromft. toft.	Clay-Brown	3 21	
perforations from ft. to ft.	Sand-Fine-Water	27 23	21 /
perforations from ft. to ft.	Clay-Brown	23 90	A STATE OF THE PARTY OF THE PAR
pertorations from	Clay-Blue	90 120	_
(7) SCREENS: Well screen installed? ☐ Yes 🗖 No	Sand- edBrclaystone-	120 122	40/
Manufacturer's Name	Water	120 122	40
Type Model No			= -
Diam. Slot size Set from ft. to ft.			
Diam ft. to ft.			
(A) William I married to a constant and a land to			
(8) WELL TESTS: Drawdown is amount water level is lowered below static level			
Was a pump test made? ☐ Yes ☑ No If yes, by whom?			
Yield: gal./min. with ft. drawdown after hrs.			
" " "			
	*		
Bailer test 40 gal./min. with 10 ft. drawdown after 2 hrs.			
Artesian flow g.p.m.			
Temperature of water Depth artesian flow encountered ft.	Work started Q 16 19 70 Complete	ed 9_76	19 70
CONCEDICATON	Date well drilling machine moved off of well	9-22	19 70
(F) CONSTRUCTION:			
Well seal—Material used Bentonite-Puddled 'Clay	Drilling Machine Operator's Certification: This well was constructed under my		iai.an
well sealed from land surface to II.	Materials used and information reported	above are true	to my
Diameter of well bore to bottom of seal 10 in.	best knowledge and belief.	Δ.	
Diameter of well bore below seal	[Signed] Denth Sharm (Drilling Machine Operator)	Date .10-1	., 197.0
Number of sacks of cement used in well seal sacks	Drilling Machine Operators License No.	055	, ,
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No.	2+1	***************************************
Brand name of bentonite	Water Well Contractor's Certification:		
Number of pounds of bentonite per 100 gallons	This well was drilled under my jurisdi	iction and thic -	enort in
of waterlbs./100 gals.	true to the best of my knowledge and bel	ief.	Chorr 12
Was a drive shoe used? ₩ Yes □ No rlugs Size: location ft.	Name 5 & M Drilling & Sur (Person, firm or corporation)	ply	
Did any strata contain unusable water?			
Type of water? depth of strata	Address Rt. 1 Box 31, Canby	7., Ore	
Method of sealing strata off	[Signed] 25 muth Shi	m men 1	
Was well gravel packed? Tyes X No Size of gravel:	(Water Well Contr	actor)	
Gravel placed from ft. to ft.	Contractor's License No5 20 Date	10-1	197.0
(USE ADDITIONAL SE	IEETS IF NECESSARY)		2*45656-119

RECEIVED CLA 012701

**STATE OF OREGON** WATER WELL REPORT OCT 13 1987 (as required by ORS 537.765) (1) OWNER: Well Number: WATER RESCUE GESTION OF WELL by legal description: Name Dan Knopp SALEM, OREGON Lack Latitude \_ \_\_ Longitude Address 1150 Spruce St. NE Township 4S \_ Nor S, Range 1E Attora Salem State Or Zip 当今も生き Section \_\_\_\_-32 \_ <u>SW ¼ \_ SW ¼</u> (2) TYPE OF WORK: 97303 Tax Lot Lot. . Block . Subdivision. Street Address of Well (or nearest address) 29800 S Barlow Rd New Well ☐ Deepen ☐ Recondition ☐ Abandon Aurora, Or. 97002 (3) DRILL METHOD Rotary Air Rotary Mud ☐ Cable (10) STATIC WATER LEVEL: Other 51 ft. below land surface. Date 9/28/87 (4) PROPOSED USE: \_ lb. per square inch. Date \_\_ M Domestic ☐ Community ☐ Industrial ☐ Irrigation (11) WATER BEARING ZONES: ☐ Injection □ Other Depth at which water was first found . BORE HOLE CONSTRUCTION: Special Construction approval Yes No From Depth of Completed Well 127 ft. Estimated Flow Rate SWL Yes No 74 61 ' 471 10 GpM Explosives used 13 Type . \_ Amount 91 ' 941 10 GPM 471 HOLE SEAL 103 ' 121 ' Amount 80 GPM 51 1 To neter From Material To sacks or pounds (12) WELL LOG: 10" 19 ' 19 1 cement 12 sacks Ground elevation 19 **1**127 Material From То SWL Top soil n How was seal placed: Method A B K C D E 2 Clay, brown 18 Other \_ Clay, blue 18 46 Backfill placed from. Material Gravel.clav.medium.brown 46 48 Gravel placed from . Size of gravel Clay, brown 48 61 (6) CASING/LINER: Gravel sand, medium, brown 61 <u>74</u>| 47 Diameter , From To Gauge Steel Plastic Welded Threaded Clay, blue 74 91 +16 127 250 团 П Sand, brown 91 94 47 Clay, brown 103 Sandstone, gravel, black, 121 51' medium 103 Liner:\_ Clay, blue 121 127 127 location of shoe(s) (7) PERFORATIONS/SCREENS: Method Air Perforator ▼ Perforations ☐ Screens Material Slot Tele/pipe To Number, Diameter Casing size Liner 1201 04 /8 16<u>00</u> K X 1 11 9/23/87 . Completed (unbonded) Water Well Constructor Certification: (8) WELL TESTS: Minimum testing time is 1 hour I certify that the work I performed on the construction, alteration, or Flowing Artesian abandonment of this well is in compliance with Oregon well construction ☐ Pump ☐ Bailer Air standards. Materials used and information reported above are true to my best Yield gal/min Drawdown Drill stem at Time knowledge and belief. WWC Number 1 hr. 80 ~ 125! Signed \_ (bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment Depth Artesian Flow Found Temperature of water work performed on this well during the construction dates reported above. all Was a water analysis done? Yes By whom work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and Did any strata contain water not suitable for intended use? 

Too little belief. ☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other \_ WC Number Signed X

Depth of strata: \_

NOTICE TO WATER WELL CONTRACTO
The original and first copy TERSWELL REPORT of this report are to be State Well No. STATE OF OREGO 012710<sub>State Permit No.</sub> STATE ENGINEER, SALEM, OREGOVERITE ENGINEER type or print within 30 days from the date of well completion.

SALEM. OF Cochol write above this line) (10) LOCATION OF WELL: (1) OWNER: Name Robert Gibson dounty Clackmas Driller's well number Address 940 NE Maple Lane. Canby. 14 Section 32 T. 4S R. 1E Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): Deepening 🔲 🐪 Reconditioning 🗀 🔝 Abandon 🖂 If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found 139 Rotary Driven 🗀 Domestic 🔄 Industrial 🗍 Municipal 🗎 ft. below land surface. Date 1/5 Static level 30 Cable Jetted [ Irrigation 

Test Well 
Other Dug Bored [] Artesian pressure lbs. per square inch. Date CASING INSTALLED: Threaded Welded (12) WELL LOG: Diameter of well below casing .... Depth drilled 141 ft. Depth of completed well 140 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated. with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata. PERFORATIONS: Perforated? 🗌 Yes 🟋 No. type of perforator used MATERIAL Boil, Brown 0 Size of perforations in, by Clay, Brown \_\_\_\_ perforations from \_\_\_\_\_ ft. to \_\_\_\_ 2 12 Sand, Brown, WB .... perforations from ...... Clay, Gray perforations from ... Sand Black WB (7) SCREENS: Well screen installed? ☐ Yes 🙀 No Clay Gray Manufacturer's Name .... Sand, Black, WB Clay, Gray Diam. ..... Slot size ...... Set from ..... ft. to ..... Sand Black WB Diam. \_\_\_\_ Slot size \_\_\_\_ Set from \_\_\_\_ ....ft. to .... Clay, Gray Drawdowh is amount water level is lowered below static level (8) WELL TESTS: Sand, Brown. WB 30 Was a pump test made? 
Yes No If yes, by whom? Yield: gal./min. with ft. drawdown after hrs. Bailer test 15 gal./min. with 80 ft. drawdown after 7 hrs. Artesian flow g.p.m. Completed 121/5 12/18/7119 mperature of water Depth artesian flow encountered .... Work started Date well drilling machine moved off of well (9) CONSTRUCTION: Well seal-Material used Bentoni te Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Well sealed from land surface to ..... Materials used and information reported above are true to my Diameter of well bore to bottom of seal .... 10. best knowledge and belief. Lackron Date 2/1/72, 19..... Diameter of well bore below seal .\_\_\_\_\_\_\_in. Number of sacks of cement used in well seal ..... Drilling Machine Operator's License No. .... Number of sacks of bentonite used in well seal ..... Brand name of bentonite Central Ore Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report is of water \_\_\_\_\_500. ...... lbs./100 gals. true to the best of my knowledge and belief. Was a drive shoe used? A Yes D No Plugs ...... Size: location ...... ft. Name Harvey Blackman
(Person, firm or corporation) Did any strata contain unusable water? Tyes 🛘 No (Type or print) Type of water? Runny Sanddepth of strata 52.80. 123 Address Rt 1, Box 181K, Mulino, ure Method of sealing strata off Casing Was well gravel packed? [ Yes K No \_ Size of gravel: ... Contractor's License No. 537 \_\_\_\_ Date2/1/72 \_\_\_\_\_, 19\_\_\_\_\_ ft\_ to ..... Gravel placed from ..... (USE ADDITIONAL SHEETS IF NECESSARY) SP\*45656-119

The original and first copy of this report are to be filed with the	REPORT CLAC  State Well No. 411-3	2.
of this report are to be filed with the SEP 2 1970 ESTATE OF STATE ENGINEER, SALEM, OREGON 32 1970 ESTATE of within 30 days from the day A EN CON Brease type of well completion.	or print 012716 State Well No. State Permit No.	
(1) OWNER: #3	(10) LOCATION OF WELL:	
(I) OWNER.	County Clackamas Driller's well number 70-25	
Name Jim Payton Address 33 N Amrine Dr. Canhy Ore	70 40 75	
Address 3 N. Amrine Dr., Canby, Ore.		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivision corner	
New Well X Deepening Reconditioning Abandon	-	
If abandonment, describe material and procedure in Item 12.		
	(11) WATER LEVEL: Completed well.	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 55	ft.
Rotary   Driven   Domestic  Industrial   Municipal	Static level 40 ft. below land surface. Date 9	-9-70
Dug	Artesian pressure lbs. per square inch. Date	
CASING INSTALLED: Threaded   Welded		
		6."
6 "Diam from 0 ft to 190 ft Gage 250	Depth drilled 190 ft. Depth of completed well 190	ft.
	Formation: Describe color, texture, grain size and structure of n	
PERFORATIONS: Perforated?   Yes   No.	and show thickness and nature of each stratum and aquifer pe with at least one entry for each change of formation. Report each op position of Static Water Level and indicate principal water-bearing	change in
Type of perforator used	MATERIAL From To	SWL
Size of perforations in. by in.	Topsoil-Brown 0 3	
perforations from	Clay-Brown-Sandy 3 55	
perforations from	Clay-BrSandy-Water trace 55 78	55
perforations fromft. toft.	Clay-Blue-Sticky 78 120	
personal personal real real real real real real real re	Clay-BlSandy-Water 120 130	
(7) SCREENS: Well screen installed?   Yes  No	Sand-BrWater heaves in 130 152	120
Manufacturer's Name	well	
Type Model No	Clay-Brown = 152 155	
Diam Slot size Set from ft. to ft.	Clay_Blue 155 185	
Dlam Slot size Set from ft. to ft.	Sand-MedGravel-Med 185 190	40
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Water	
Was a pump test made? [] Yes [X No If yes, by whom?		
Yield: gal./min. with ft. drawdown after hrs.		
M N H		
" " "		
Bailer test 2() gal./min. with the fig. drawdown after 2 hrs.		
Artesian flow g.p.m.		
perature of water Depth artesian flow encountered ft.	Work started 9-2 19.70 completed 9-9	1970
(9) CONSTRUCTION:	Date well drilling machine moved off of well 9-9	19 70
Well seal-Material used Bentonite-Puddled Clay	Drilling Machine Operator's Certification:	- 2
Well sealed from land surface to 20	This well was constructed under my direct super Materials used and information reported above are true	vision.
Diameter of well bore to bottom of sealin.	best knowledge and belief	to my
Diameter of well bore below seal	[Signed] Stamel Spin Data 9-14	. 19.70
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	.,
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No. 277	
Brand name of bentonite National	Water Well Contractor's Continue	•
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:	
of water lbs./100 gals.	This well was drilled under my jurisdiction and this r true to the best of my knowledge and belief,	eport is
Was a drive shoe used? 🛛 Yes 🔲 No Plugs Size: location ft.	Name S & M Drilling & Supply	· · · -
Did any strata contain unusable water? 🛛 Yes 🕞 No	(Person, firm or corporation) (Type or pri	nt)
Type of water? depth of strata	Address Rt. 1 Box 31, Canby, Ore.	
Method of sealing strata off	[Signed] Denreth Skinsur	************
Was well gravel packed?  Yes No Size of gravel:	(Water Well Contractor)	13.0
Gravel placed fromft. toft.	Contractor's License No. 520 Date 9-14	_, 19(C

NOTICE TO WATER WELL CONT.  The original and first copy of this report are to be filed with the OCT 26 1970 STATE OF STATE ENGINEER, SALEM, OREGON 97810.	OREGON State Well No.	1/1-3:	2_
within 30 days from the date TATE ENGINEER of well completion.		) #140101101101101101101101101101	<u> </u>
(1) OWNER: well #5	(10) LOCATION OF WELL:		3
Name Jim Payton	County Clack amas Driller's well num	nber 70-	27
Address 1131 n. Amrine Rd., Canby, Ore.	34 34 Section 32 T. 48 I	R. 1E'	-1,
(a) mynn on woner (1 1)	Bearing and distance from section or subdivision	n corner	
(2) TYPE OF WORK (check):			
New Well M. Deepening _ Reconditioning _ Abandon  If abandonment, describe material and procedure in Item 12.			
	(11) WATER LEVEL: Completed we	:11.	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 18	- 12-17	
Cable Jetted D Domestic L Industrial Municipal D	Static level 46 ft. below land su		
Dug Bored I Irrigation Test Well Other	Artesian pressure lbs. per square	inch. Date	
CASING INSTALLED: Threaded  Welded	(12) WELL LOG: Diameter of well be	elow casing	
6" Diam. from	Depth drilled 198 ft. Depth of complete	_	•
5" Diam. from	Formation: Describe color, texture, grain size ar		
PERFORATIONS: Perforated? F- Yes   \( \text{No.} \)	and show thickness and nature of each stratum with at least one entry for each change of formati position of Static Water Level and indicate princ	lon. Report e	ach cho
PERFORATIONS: Perforated? F Yes No.  Type of perforator used Cutting torch	MATERIAL		·o ·
Size of perforations 4 in. by 14 in.			
36 perforations from 184 ft. to 198 ft.	Topsoil-Brown Clay-Brown-Sandy	3 7	8
perforations fromft. toft.	Sand-Fine-Brown-Water		2
perforations fromft. toft.	Clay-Brown-Sandy	22 4	8
/7\ CCDEENC.	Clay-BrGravel-Med	48 5	3
(7) SCREENS: Well screen installed?  Wes Two Manufacturer's Name	Coarse		1
Manufacturer's Name	Clay-BrSand-Fine-Br Heavy. Water	53 9	O 📙
Diam. Slot size Set from ft. to ft.	Clay-Blue	90 9	8
Diam Slot size Set from ft. to ft.	Sand-BrFine-Heaves-water		45
(8) WELL TESTS: Drawdown is amount water level is	Clay-Blue		60
lowered below static level	Clay-Brown		75
Was a pump test made? ☐ Yes 🖪 No If yes, by whom?	Clay-Blue-Sand-Med -Water	175 1	98
Yield: gal./min. with ft. drawdown after hrs.			-
, , , , , , , , , , , , , , , , , ,			
n n n			
Bailer test 18 gal./min. with 32 ft. drawdown after 2 hrs.			
Artesian flow g.p.m.			
Temperature of water Depth artesian flow encounteredft.	Work started 9-11 1970 Completed	a 9-15	
CONSTRUCTION:	Date well drilling machine moved off of well	9_7	6
Well seal—Material used Bentonite  Well sealed from land surface to 20 ft.  Diameter of well bore to bottom of seal 10 in.  Diameter of well bore below seal 6 in.	Drilling Machine Operator's Certification:  This well was constructed under my Materials used and information reported best knowledge and belief.  [Signed] January (Drilling Machine Operator)	direct su above are Date9-2	true t
Number of sacks of cement used in well seal sacks  Number of sacks of bentonite used in well seal sacks	(Drilling Machine Operator)  Drilling Machine Operator's License No		
Brand name of bentonite	Water Well Contractor's Certification:  This well was drilled under my jurisdic true to the best of my knowledge and beli	ction and the	ıis rep
Was a drive shoe used? A Yes I No Plugs Size: location ft.  Did any strata contain unusable water? I Yes I No	Name S&M Drilling & St. (Person, firm or corporation)	(Type of	r print)
Type of water? depth of strata	Address Rt. 1 Box 3I, Canby,	, ure.	
Method of sealing strata off	[Signed] Denneth Skinn	سى	
Was well gravel packed? Yes 5 No Size of gravel:	(Water Well Contra		

of this report are to filed with the OCT 28 1971 STATE OF OREGON 012712 STATE ENGINEER, SALEM, OREGON 07310 ENGINEER ease type or print) within 30 days from the date. TE ENGINEER ease type or print) tate Permit No. .. of well completion. SALEM. OREGOD not write above this line) (10) LOCATION OF WELL: (1) OWNER: Dave Beeson County Clackamas Name Driller's well number R. 1E. Address 32 T. 45 N.E. Libee, Camby, Ore. 14 Section W.M. Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New Well Deepening [ Reconditioning [ Abandon [7] If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found 22 Driven 🔲 Rotary Domestic F Industrial | Municipal | Static level ft. below land surface. Date 9-28-71 Jetted [ Cable Irrigation | Test Well | Other Dug П Bored | Artesian pressure lbs. per square inch. Date CASING INSTALLED: Threaded | Welded 2 (12) WELL LOG: 6 "Diam. from 0 ft. to 60 ft. Gage. 250 105 Depth drilled ft. Depth of completed well 59/16" Diam from 60 ft to 105 ft Gage 10 Formation: Describe color, texture, grain size and structure of materials; ......"\_Diam. from ..... ..... ft. to ..... ft. Gage ... and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in **PERFORATIONS:** position of Static Water Level and indicate principal water-bearing strata. Perforated? TY Yes No. Type of perforator used Cutting torch MATERIAL. From Size of perforations in. by 12 0 Topsoil-Brown perforations from .... Clay-Brown 3 perforations from ..... Clay-Brown-Sandy-Water trac 22 ..... perforations from ..... ft. to ... Clay-Brown 23 50 Clay-Blue-Sandy 50 85 (7) SCREENS: Well screen installed? 
Yes No Sand-Yellow-Compact-Water 85 100 Manufacturer's Name ... Sand-Blk-Clay-Blue-Water 100 105 ... Model No. Туре ..... Diam. ..... Slot size ..... Set from ...... Diam. ..... Slot size ....... Set from ..... ft. to ..... ft. (8) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? [ Yes A No\_H yes, by whom? Yield: gal./min. with hrs. Total rotary 30 20 Bailer test gal./min. with ft. drawdown after Artesian flow perature of water Depth artesian flow encountered ..... ft. 9-28 Work started 1971 9-28 Completed 涸 9-28 Date well drilling machine moved off of well 1971 (9) CONSTRUCTION: Well seal-Material used Bentonite-Puddled Clay Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my Well sealed from land surface to \_\_\_\_\_55\_ Diameter of well bore to bottom of seal .....9 best knowledge and belief. Diameter of well bore below seal \_\_\_\_\_6\_\_in. [Signed] Date 10-16 1971 Number of sacks of cement used in well seal ... Drilling Machine Operator's License No. .....277. Number of sacks of bentonite used in well seal ... 2. - National Brand name of bentonite ..... Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Was a drive shoe used? Yes No Plugs ..... Size: location ..... ft. Name S & M Drilling & Supply Did any strata contain unusable water? 🔲 Yes 🔼 No (Person, firm or corporation) (Type or print) depth of strata Address Rt. 1 Box 31 Carby Ore. 97013 Type of water? Method of sealing strata off Was well gravel packed? ☐ Yes 🗗 No Size of gravel: . 520 Gravel placed from ...... ft. to .... Contractor's License No. Date ... 19

The original and first cap E C E V EW LER WELL REPORT

1/0-

STATE OF OREGON 18MG 25 1993
WATER WELL REPORT WATER RESOURCES DEPT.
(as required by ORS 537.765)

WATER DEFGON

4s//E/32
(START CARD) # W3677

(as required	by ORS 537.765)	CAL	EM, OREGON	(S	TART CARD) #	•	<u> </u>		
(1) OWNER	: 44	Well N	umber:	(9) LOCATION					
	Myers		01	County Clack	Latitude	· -	Longitude	:	•
ity CAn le	COH'S	Barlow State Ore	(d Zip 97013		Nor S. Range			_E or W.	WM.
	<u>y</u>	mate 072	2 tp 7 1019						
2) TYPE O				Tax Lot _2.05	LotBlock	100	Subdi	vision	la de a d
		Recondition	Abandon	Street Address of W	ell (or neatest address) _	272	<i>67</i> 7 )	Mari	04) (
3) DRILL I			KFCFIA	1.13					
100	☐ Rotary Mud	Cable			ATER LEVEL:				
Other	and hon		<del>- 00T - 4 19</del>		below land surface.		Date .		0 7
4) PROPOS	SED OSE:		WATER RECOVERS	Artesian pressure _	lb. per squ	are inch.	Date		
Domestic [ Thermal [	Injection	Other	SALEM, ORE	SPET WATER B	EARING ZONE	S:			
	OLE CONSTR		JALLINI, OILL	Depth at which water was	First found 42	to 5	8		
			pleted Well 100 ft.		To		nated Flow	Rate	SWL
,	ies No L 😅	Departin Com	energy energy little	88	99		7.5- 4		36
xplosives used	Type	Amoun	9 9 9	-00			V 7		V 60
HOLE		SEAL	Amount		,				
Diameter From			sacks or pounds		, • G A A				
94 0	20 Cemer	20 2	27 117	(12) WELL LO	G: ,				
w 20	700	- <del>                                    </del>	-		Grijung elevati	on		-	
	*			700	Material		From	To	SWL
low was seal placed	l: Method 🔲 A 🛭	⊐в □с □ п	□Е	TOP & Bro	/		28	28	
Other Tre	mmi			Lyray C	lay with Sa	14 1	18	42	
	ft. to	ftMaterial		GTreaks	Lay WILL Ja	nd	42	58	34
	ft. to				Silty Clay		58	70	7.1
6) CASING	LINER:	,		Black Silt			70		36
Diameter	From To G	auge   Steel Plastic	: Welded Threaded	Black 98			84		
asing: <u>6</u>	+1 93 2				-avel (Park	2	88	98	36
	<del>             -</del>			yreen c			98	100	- 0
					/				
(40	20 100								
iner: <u>6017</u>	80 100								
inal loweston e t	iets).								-
*				•					
	RATIONS/SCI						<u> </u>		
	ons Method		.5						-
☐ Screens	•		rial		• .			·	
From To	Slot Number	Tele/pip Diameter size	e Casing Liner		. u aru	-			
92 100	1 1 1 1 1 1 1 1 1	600							
					*				
_									
	1				10.				
				Date started 8-1	6 - 93 Com	pleted	8-2	7 - 9	3
		L		(unbonded) Water !	Well Constructor Ce				-
8) WELL T	'ESTS: Minimu	ım testing time			e work I performed o			on, alter	ation, c
Pump	☐ Bailer	☐ Air	Flowing Artesian	abandonment of this	well is in compliance	e with	Oregon v	vell_cons	structio
Yield gal/min	Drawdown	Drill stem at	Time	knowledge and belief.	used and information i	eported	above ar	e true to	my bes
95	19 66			8		W	WC Nu	mber	
23	121-6		/2 hr.	Signed		מ	ate		
		-		(honded) Water Wa	Il Constructor Certi	finatio-	•		
remperature of wat	or 52°	Donth America El	ow Found	I accept respons	ibility for the construc	tion, alt	teration.	or aban	donmen
	s done? Yes	Depth Artesian Fl		work performed on th	is well during the cons	struction	dates re	ported a	bove, a
	s done: in res ain water not suitable fo		Too little	construction standard	ing this time is in ls. This report is true	compli to the h	ance wi	th Oreg v knowl	gon we
	dy Odor Colo			belief.					
Depth of strata:				Signed Jahn	W (1 Sec	Ke D	VWC Nu late _ <b>g</b> _	- 20	1-99
							-		

NOTICE TO WATER WELL CONTRACTOR A	RECEIVED			
of this report are to be WATER WE	LL REPORT	11-	1,-	
filed with the 12 ( 0 STATE OF	OREGON AUG2 9 1975 State Well No.	43/	//E -	-32-
STATE ENGINEER, SALEM, OREGON 97310 (Please typ	e otyAftER RESOURCES DEPT Permit I	•		
of well completion. (Do not write a	bove this SHALEM, OREGON	ło		
	OTTELM, OKEGOIA			
(1) OWNER:	(10) LOCATION OF WELL:			
Name Anderson & Ritter Construction	County Clackamas Driller's well n	umban		
Address 255 SW 1st			··	
Canby, Oregon 97013		R. 1E		W.M.
(2) TYPE OF WORK (check):_	Bearing and distance from section or subdivis	ion corne	er	
New Well ☑ Deepening ☐ Reconditioning ☐ Abandon ☐				
If abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed v	zell.		
Potent IV Polent II	Depth at which water was first found	2	24	ft.
Rotary M Driven D Domestic M Industrial Municipal D	Static level 40 ft. below land	surface.	Date 8	-22-7
Dug	Artesian pressure lbs. per squa		-	
CASING INSTALLED: Threaded D Welded D				
CASING INSTALLED: Threaded Welded E	(12) WELL LOG: Diameter of well	below ca	sing	6
	Depth drilled 100 ft. Depth of comp		_	ft.
"Diam from ft. to ft. Gage	Formation: Describe color, texture, grain size	and etm		-
" Diam. fromft. toft. Gage	and show thickness and nature of each stratu	m and a	quifer n	enetrated.
PERFORATIONS: Perforated?   Yes  No.	with at least one entry for each change of forms position of Static Water Level and indicate prin	tion. Rep icipal wa	ort each ter-beari	change in na strata
Type of perforator yead	MATERIAL	1		
Size of perforations in. by in.		From	То	SWL
	Topsoil	0	3	-
perforations fromft. toft.	Clay-brown	3	23	-
perforations from t. to ft.	Clay-brown-sandy	23	28	
	Clay-blue-sticky Gravel-black	28	46	
(7) SCREENS: Well screen installed?   Yes  No	Clay-brown	46	51	-
Manufacturer's Name	Sand-brown-gravel	51	72	-
Type Model No.	Clay-brown	72.	77 84	
Diam. Slot size ft. to ft.	Sandstone-black	84	88	
Diam. Slot size Set from ft. to ft.	Sand-black-water	88	1.00	40
(8) WELL TESTS: Drawdown is amount water level is				The same
Towered below static level				
Was a pump test made? ☐ Yes ☒ No If yes, by whom?				
Yield: gal./min. with ft. drawdown after hrs.				
r Rotary 30 " Total " 1 "		L	ļ	
" "			ļ	
Bailer test gal./min. with ft. drawdown after hrs.				
Artesian flow g.p.m.		<del></del>		
perature of water Depth artesian flow encounteredft.	9 00 77			
	Work started 8-22 19 75 Complete		8-22	1975
(9) CONSTRUCTION:	Date well drilling machine moved off of well		8-22	1975
Well seal—Material used Bentonite	Drilling Machine Operator's Certification:			
Well sealed from land surface to ft.	This well was constructed under my Materials used and information reported	direct	super	vision.
Diameter of well bore to bottom of seal in.	best knowledge and belief.	above a	are true	to my
Diameter of well bore below sealin.	[Signed] aval knully	Date	8-25	1875
Number of sacks of cement used in well sealsacks	(Drilling Machine Operator)			,
Number of sacks of bentonite used in well seal 22 sacks	Drilling Machine Operator's License No.		<i>?</i>	***********
Brand name of bentonite Wilbur Ellis	Water Well Contractor's Certification:			
Number of pounds of bentonite per 100 gallons	This well was drilled under my jurisdi	ation =	.a. 44-1	
of water lbs./100 gals.	unde to the pest of my knowledge and bel	ief.		
Was a drive shoe used? ☑ Yes ☐ No Plugs Size: location ft.	Name S & M Drilling & Supp (Person, firm or corporation)	ly. To	ne.	
Did any strata contain unusable water?  Ves  No	(Person, firm or corporation)	(Ty	pe or pri	1t)
Type of water? depth of strata	Address 399 SE Walnut Street	Cant	oyOr	egon
Method of sealing strata off	[Signed] Valto Man			
Was well gravel packed? ☐ Yes E No_ Size of gravel:	(Water Well Contr			**********
Gravel placed from ft. to ft.	Contractor's License No. 497 Date	<u></u> 8.	25	., 19.7.5

The original and first control of this report are to be AUG 14 1972 TER WELL REPORT 1E-32 ac STATE ENGINEER, SALEM, SEGONDE ENGINEER type or print/ STATE OF OREGON within 30 days from the data LEM ORLE Coo not write above this line) State P (1) OWNER: (10) LOCATION OF WELL: Country Squire County Clackamas Driller's well number Address Molalla Ave., Oregon City, Ore. S.W. 14 N.E 14 Section 32 T. 48 Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New Well Deepening [ \_\_ Reconditioning [] Abandon | If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found Rotary Driven 🛘 Domestic | Industrial | Municipal Cable Jetted Static level ft. below land surface. Date 7-25-72 Dug Bored 📋 Irrigation | Test Well | Other Artesian pressure lbs. per square inch. Date 5) CASING INSTALLED: Threaded [] Welded [] (12) WELL LOG: 6 " Diam. from 0 ft. to 136 ft. Gage .. 250 Diameter of well below casing ..... 162 Depth drilled " Diam, from \_\_\_\_\_ft. to \_\_\_\_\_ ft. Gage ... ft. Depth of completed well Formation: Describe color, texture, grain size and structure of materials; \_\_\_\_\_ Diam. from \_\_\_\_\_ ft. to ......ft. Gage and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in 6) PERFORATIONS: position of Static Water Level and indicate principal water-bearing strata. Perforated? 🗌 Yes 🛛 No. Type of perforafor used MATERIAL From Size of perforations in. by Clay-Light brown θ 10 ... perforations from ..... Gravel-Med-Cemented 10 18 .... perforations from ..... Gravel-Br-Water 18 23 \_\_\_\_ perforations from \_\_\_\_ ... ft. to .. Gravel-Cemented-Boulders 23 62 Gravel-Sand-Water (7) SCREENS: 62 68 Well screen installed? ☐ Yes 🔂 No Gravel-Sand-Cemented-Clay-Y 68 Manufacturer's Name .... 84 Gravel-Br-Sand-Water 84 Туре ..... 98 Gravel-Sand-Bedded-Clay-Yw 98 Diam. ..... Slot size ..... 128 Set from ..... Gravel-Sand-Water Diam. ..... Slot size ..... 128 Set from ..... 130 \_ ft. to \_ Clay-Blue 130 155 Drawdown is amount water level is lowered below static level (8) WELL TESTS: Gravel-Med-Water 155 162 Was a pump test made? 
Yes K No If yes, by whom? gal./min. with \_\_\_\_ft. drawdown after rotary Total .50 Bailer test gal./min. with \_\_\_ft, drawdown after hrs. Artesian flow pperature of water Depth artesian flow encountered ... ft. Work started 7-27 19 72 Completed 7-25 19 72 (9) CONSTRUCTION: Date well drilling machine moved off of well 1972 Well seal-Material used ... Cement grout Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and believed. Well sealed from land surface to \_\_\_\_\_\_62 Diameter of well bore to bottom of seal .. Diameter of well bore below seal ...... 6 Number of sacks of cement used in well seal ... (Drilling Machine Of ลมใกลล Number of sacks of bentonite used in well seal ..... Drilling Machine Operator's License No. ...

Brand name of bentonite \_\_\_\_\_National Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report is \_ lbs./100 gals. true to the best of my knowledge and belief. Was a drive shoe used? 🗷 Yes 🔲 No Plugs ............ Size: location ...... Name S & M Drilling & Supply, Inc.
(Person, firm or corporation) (Type or print) Did any strata contain unusable water? 🗌 Yes 🖼 No Rt. 1 Box 31, Canby, Ore. 97013 Type of water? depth of strata Method of sealing strata off [Signed] Was well gravel packed? Yes X No Size of gravel: Gravel placed from ..... Contractor's License No. 497 Date 8-10 (USE ADDITIONAL SHEETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR

012/18 State Well No

	1		
	411.	-3	2
٠.			

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97310 SEP 1 1 1976TAP OF OREGON (Please type or print)

within 30 days from the date STATE ENGINEER above this line)

SALEM. OREGON

tate Permit No.

(1) OWNER:	(10) LOCATION OF WELL:
Name James Payton	County Clackamas Driller's well number 70-24
Address ] ] 37 N. Amrine Rd. Canby. Ore	14 14 Section ZO T. AS R. JE W.M.
	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	÷
New Well	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL. Completed well
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed well.
	Depth at which water was first found 55 ft.
Cable D Jetted D Domestic E Industrial D Municipal D	Static level 49 ft. below land surface. Date 9 2 70
Dug	Artesian pressure lbs. per square inch. Date
CASING INSTALLED: Threaded ☐ Welded ☐ 6" Diam. from O ft. to 137 ft. Gage • 250	(12) WELL LOG: Diameter of well below casing
"Diam. fromft. Gage	Formation: Describe color, texture, grain size and structure of materials;
ft. Gage	and show thickness and nature of each stratum and aquifer penetrated,
PERFORATIONS: Perforated?   Yes   X No.	with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.
	MATERIAL From To SWL
Type of perforator used	(4)
Size of perforations in. by in.	Topsoil-BrSandy 0 3   Clay-BrSandy 3   15
perforations from	Clay-BrGravel 15 18
perforations from ft. to ft_	Clay-BrSandy 18 55
perforations from ft. to ft.	Sand-line-Water Trace 55 56
(7) SCREENS: Well screen installed?  Yes X No	Clay-BrSandy 56 78
Manufacturer's Name	Clay-BlSandy-Water trace 78 103
Type Model No.	Clay-Blue - 103 106
Diam. Slot size Set from ft. to ft.	Clay-Blue- Sandy 106 120
Diam Slot size Set trom ft. to ft.	Sand-Fine-Yellow-Water 120 137 49
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	
Was a pump test made?  Yes No If yes, by whom?	
Yield: gal./min. with ft. drawdown after hrs.	
n n n	
Bailer test 40 gal./min. with 20 ft. drawdown after 2 hrs.	
Artesian flow g.p.m.	
pperature of water Depth artesian flow encountered ft.	Work started 8_2Q 1970 Completed Q_2 1970
	Date well drilling machine moved off of well 9-2 1970
(9) CONSTRUCTION:	
Well seal—Material used Bentanite-Puddled Clay	Drilling Machine Operator's Certification:
Well sealed from land surface toft.	This well was constructed under my direct supervision.  Materials used and information reported above are true to my
Diameter of well bore to bottom of seal	best knowledge and belief.
Diameter of well bore below seal in_	[Signed] Date
Number of sacks of cement used in well seal sacks	Drilling Machine Operator's License No
Number of sacks of bentonite used in well seal sacks  National sacks	211
Brand hane of behouse	Water Well Contractor's Certification:
Number of pounds of bentonite per 100 gallons of water	This well was drilled under my jurisdiction and this report is
of water	true to the best of my knowledge and belief.
Did any strata contain unusable water? Ves No	Name S & M Drilling & Supply (Person, firm or corporation) (Type or print)
2 45 -4 1	Address Rt. 1 Box 31 Capby Ore.
	21
Method of sealing strata off	[Signed] 75 : M. (Water Well Contractor)
Was well gravel packed? ☐ Yes ☑ No Size of gravel:	
Gravel placed fromtt. toft_	Contractor's License No5.20   Date   9-8   19 7

NOTICE TO WATER WELL CONTRACTOR  The original and first copy	L REPORT CEIVED			
of this report are to be filed with the	L REPORT	11=1	·	20 1
STATE ENGINEER, SALEM, OREGON 7310 012 3 TATE OF within 30 days from the date of well completion. (Do not write ab	OREGON MAY 2 1 1975 State Well No.	421	.1.5	72.dC
within 30 days from the date	STATE ENGINEERState Permit N	o		
or well completion. (Do not write ab	SALEM, OREGON			
(1) OWNER:				
	(10) LOCATION OF WELL:			
Name Rufus Kraxberger, Jr. Address11280 S. Macksburg road	County Clackamas Driller's well no	ımber		
Canby, Oregon 97013	SE 14 SE 14 Section 32 T. 45	R. 1E		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corne	r	
	Bearcreek Estates #4			
New Well E Deepening ☐ Reconditioning ☐ Abandon ☐  If abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed w	ell.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found	.6		ft.
Rotary XI Driven [] Domestic X Industrial [] Municipal []	Static level 48 ft. below land	surface.	Date	120
Dug   Bored   Irrigation   Test Well   Other	Artesian pressure lbs. per squar			
CASING INSTALLED: Threaded   Welded				
CASING INSTALLED: Threaded Welded Welded Dec. "Diam. from0ft. to17ft. Gage250	(12) WELL LOG: Diameter of well	oelow car	sing	6
"Diam. fromft. toft. Gage200	Depth drilled 120 ft. Depth of compl		-	_
"Diam. fromft. Gage	Formation: Describe color, texture, grain size	and struc	ture of	materials:
Date From 1t. to	and show thickness and nature of each stratus with at least one entry for each change of forma	m and a	guifer ne	enetrated.
PERFORATIONS: Perforated?   Yes No.	position of Static Water Level and indicate prin	cipal wa	ori each ter-beari	ng strata.
Type of perforator used	MATERIAL	From	То	SWL
Size of perforations in. by in.	Top Soil	0	3	
perforations fromft. toft.	Clay_brown	3	14	
perforations from ft. to ft.	Clay-brown-sandy	14	25	
perforations from	Gravel-med-cemented	25	30	
(F) CODERIG	Clay_brown	30	42	
West sevent impensed! [1] Les 10 Ho	Gravel-cemented-med	42	54	
Manufacturer's Name	Gravel-med-trace water	54	58	
Type Model No ft. to ft.	Clay-blue-sticky	_58_	67	
Diam. Slot size Set from ft. to ft.	Clay-brown-sticky	67	72	
	Clay-blue-sticky	72	91	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Gravel-cemented-med	91	105	
Was a pump test made? ☐ Yes ⊠ No If yes, by whom?	Clay_blue_sticky Clay_blue_sandy		110 115	
Yield: gal./min. with ft. drawdown after hrs.	Sand-black-gravel-med-water		120	48
ir Rotary 20 " Total " 1 "		111	12.0	70
" " " "				
Tailor days				
A111	104			
operature of water Depth artesian flow encounteredft.	Work started 5-17 19 75 Complete	<u>a 5.</u>	17	19 75
(9) CONSTRUCTION:	Date well drilling machine moved off of well	5_	.17	19 75
Well seal—Material usedBentonite	Drilling Machine Operator's Certification:			
Well sealed from land surface to 35 ft.	This well was constructed under my	direct	super	vision.
Diameter of well bore to bottom of sealin.	Materials used and information reported best knowledge and belief	above a	are true	to my
Diameter of well bore below sealin.	[Signed] Town I'm	Date	5_1	9 19.7.5.
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)			4 20.1
Number of sacks of bentonite used in well seal sacks   Brand name of bentonite   Wilbur Ellis	Drilling Machine Operator's License No	883		***********
The state of the s	Water Well Contractor's Certification:			
Number of pounds of bentonite per 100 gallons of water	This well was drilled under my jurisdi	ction en	d this =	enort is
of waterlbs./100 gals. Was a drive shoe used? No Plus Size: location ft.	true to the pest of my knowledge and beli	ief.		
Did any strata contain unusable water?  Ves No	Name S& M Drilling & Supp	ly, In	C	
Type of water? depth of strata				
Method of sealing strata off	Address399 SE Winut Street	Canb	yOr	egon
	[Signed]	/*************************************	***********	<del></del>
Was well gravel packed? ☐ Yes K No Size of gravel:	(Water Well Contro			
Gravel placed fromft. toft.	Contractor's License No. 497 Date	5_1	9	<u>., 197.5</u>

The original and first capy	REPORTECEIVED			
of this report are to be filed with the STATE ENGINEER, SALEM, ORGON 97310 12732 STATE OF (Please type	ODEGON MAYOR 1075 State Well No.	451	1E -	32 4
STATE ENGINEER, SALEM, OREGON 97310 12 / 32 STATE OF	OREGON WAY 2 1 19/5 State Well No.			
within 30 days from the date of well completion. \ (Do not write ab	SIATE ENGINEER State Permit N	o		
Is ran be vier	SALEM. OREGON			
(1) OWNER:				<del></del>
Des Con at The analysis are Tra	(10) LOCATION OF WELL:			
Name Rufus Draxberger Jr.	County Clackamas Driller's well nu	ımber		
Address 11280 S. Macksburg Road	SE 14 SE14 Section 32 T. 4S	R. 1]	<u> </u>	W.M.
Canby, Oregon 97013	Bearing and distance from section or subdivisi	on corne	r .	
(2) TYPE OF WORK (check):	Bearcreek Estates #5			
New Well A Deepening  Reconditioning  Abandon		12		
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w	الم		
(3) TYPE OF WELL: (4) PROPOSED USE (check):				
Rotory St Driven D	Depth at which water was first found 18	2		<u>#t.</u>
Cable   Jetted   Domestic M Industrial   Municipal   Dug   Bored   Irrigation   Test Well   Other	Static level 48 ft. below land s	urface.	Date	5 <b>-1</b> 9-75
Dug   Bored   Irrigation   Test Well   Other	Artesian pressure lbs. per squar	e inch.	Date	
CASING INSTALLED: Threaded Welded W	(10) WHEET Y O.G.			
6 " Diam. from 0 ft. to 118 ft. Gage 250	(12) WELL LOG: Diameter of well h	elow car	dng	6 .
"Diam. from	Depth drilled 121 ft. Depth of compl	eted well	. 12	20 ft.
" Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size	and strue	ture of	materials;
	and show thickness and nature of each stratus with at least one entry for each change of forms:	n and ac tion. Rev	quifer p ort each	enetrated, change in
PERFORATIONS: Perforated?   Yes No.	position of Static Water Level and indicate prin			
Type of perforator used	MATERIAL	From	To	SWL
Size of perforations in. by in.	Top Soil	0	3	-
perforations fromtt. toft.	Clay-brown	3	16	
perforations fromft. toft.	Clay-brown-sand	16	25	
perforations fromft_ toft.	Gravel-cemented	25	30	
	Clay_brown	30	45	
(7) SCREENS: Well screen installed? ☐ Yes ☒ No	Gravel-cemented-med	45	54	
Manufacturer's Name	Gravel-med-trace water	54	58	
Type Model No	Clay-blue	58	70	
Diam Slot size Set from ft. to ft.	Clay-brown	70	73	
Diam. Slot size Set from ft. to ft.	Clay-blue-sticky	73	93	
(8) WELL TESTS: Drawdown is amount water level is	Gravel-med-cemented	93	105	
lowered below static level	Clay-blue-sticky	105	110	
Was a pump test made?   Yes No If yes, by whom?	Clay-blue-sandy	110	115	
Yield: gal./min. with ft. drawdown after hrs.	Sand-black-gravel-med-water	115	120	48
ir Test 30 " Total " 1 "				
" "	-			
Baller test gal./min. with ft. drawdown after hrs.				
Artesian flow g.p.m.	•***•	<u> </u>		g
			35.51 92.12	
nperature of water Depth artesian flow encountered	Work started 5-19 19 75 Complete	ed.	5-19	19 75
(9) CONSTRUCTION:	Date well drilling machine moved off of well		5-19	<sup>19</sup> 75
Well seal—Material used Bentonite	Drilling Machine Operator's Certification:			
Well sealed from land surface to	This well was constructed under my	direct	super	rvision.
Diameter of well bore to bottom of seal 9 in.	Materials used and information reported best knowledge and beltef.	above a	are tru	e to my
Diameter of well bore below seal in.	resimual When the Change letter	Date	-10-	10 75
Number of sacks of cement used in well seal0sacks	(Drilling Machine Operator)			, 181.,
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No	883	•••••	*****
Brand name of bentonite Wilbur Ellis	Water Well Contract C			
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
of water lbs./100 gals.	This well was drilled under my jurisdi true to the best of my knowledge and beli	ction an	d this	report is
Was a drive shoe used? No Plugs Size: location ft.	Name S&M Drilling & Supp			
Did any strata contain unusable water?   Yes X No	(reason, min or corporation)	-y100 (Ty	Cape or pri	nt)
Type of water? depth of strata	Address 399 SE Walbut Street	Canby	. Ore	gon
Method of sealing strata off	Isimal Walter Man	) .		
Was well gravel packed? ☐ Yes ₩ No Size of gravel:	[Signed] Water Well Control	actor)		************
Gravel placed from ft. to ft.	Contractor's License No. 427 Date	5	<u>-19</u>	, 197.5

The original and first cosy of this report are to be filed with the	REPORRECEIVED  OREGON AUGZ 1 1974 ate Well No.	75/11	3 - 3	2
STATE ENGINEER, SALEM, OREGON 97310 01270 P(Please type within 30 days from the date	or print)			
of well completion. (Do not write ab	ove this line) STATE ENGINEED Permit No SALEM, OREGON	• ••••••••		
(1) OWNER:	(10) LOCATION OF WELL:			
	County Clackanas Driller's well nu	mher		
Name Dave Eby Address 29750 S Barlow Rd.	20	R. 1e		W.M.
Camby, Oregon				AA ' 16T'
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivision			1 0
	Lot # 1 of Block 2 Twiner	COK AC	res #	- 2
New Well Deepening Reconditioning Abandon A				
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed we	ell.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 26			ft.
Rotary Driven D. Domestic Industrial Municipal Domestic	Static level 15 ft. below land s	urface. D	ate	7-12-7
Cable Jetted Dug Bored D Irrigation Test Well Other	Artesian pressure lbs. per squar	e inch. D	ate	
CASING INSTALLED: Threaded Welded	(12) WELL LOG: Diameter of well b	elow casir	ıg	***************************************
" Diam. from 0 ft to 117 ft. Gage 250	Depth drilled 117 ft. Depth of comple	eted well	117	ft.
ft. Gage ft. Gage	Formation: Describe color, texture, grain size a	nd structi	ire of n	naterials:
ft, Gageft, Gageft, Gage	and show thickness and nature of each stratur	n and aqu	lifer per	netrated,
PERFORATIONS: Perforated? U Yes W No.	with at least one entry for each change of format position of Static Water Level and indicate prin	10n. Repot zipal wate	τ eacn c r-beariπ	nange in ig strata.
	MATERIAL	From	To	SWL
Type of perforator used				
Size of perforations in. by in.	Tep soil	0	2	
perforations from ft. to ft.	Clay brown Clay sand brown fine	20	20 26	
perforations fromft. toft.	Sand brown fine	26	28	
perforations from	Clay blue	28	49	
(7) SCREENS: Well screen installed? ☐ Yes ► No	Clay sand blue black fine	49	52	
Manufacturer's Name	Gravel compact	52	68	
Type Model No.	Clay brewn	68	75	
Diam, Slot size Set from ft. to ft.	Clay blue	75	80	
Diam Slot size	Clay sand blue black fine	80	100	
	Sand elay black fine	100	105	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Sand black fine	105	108	
Was a pump test made? LYes   No II yes, by whom prilice	Sand gravel black fine	108	114	
Yield: 60 gal./min. with 65 ft. drawdown after 22 hrs.	Gravel sand Fourse	114	117	
" " "		The state of the s		
" " "				
7				
Bailer test gal./min. with ft. drawdown after hrs.				
Artesian flow g.p.m.				
Imperature of water Depth artesian flow encountered ft.	Work started 7-11 19 74 Complete	ed 7-	12	1974
(9) CONSTRUCTION:	Date well drilling machine moved off of well	7-	12	19 74
Canant	Drilling Machine Operator's Certification:			
Well Seal-Material used	This well was constructed under my	direct	super	vision.
Well sealed from land surface to ft.	Materials used and information reported best knowledge and belief.	above a	re true	to my
Diameter of well bore to bottom of seal	1 - FILV 1161, A1. W. W. W. W. W.	و حت		-1
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	Date	-	•
Number of sacks of bentonite used in well sealsacks	Drilling Machine Operator's License No.		738	
Brand name of bentonite				
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
of water	This well was drilled under my jurisd	iction and	l this r	eport is
Was a drive shoe used? Yes No Plugs Size: locationft.	true to the best of my knowledge and bel			
Did any strata contain unusable water?   Yes No	(Person) firm or corporation)	********	e or pri	nt)
Type of water? depth of strata	Address PAN Box 363 Kabbard	Joens	1	
Method of sealing strata off	Will The	1. 17	, , , , ,	T
Was well gravel packed?   Yes No Size of gravel:	[Signed] (Water Well Control	actor)	, ruz	<b></b>
	<u> </u>	7-12		,.7h
Gravel placed fromft. toft.	Contractor's License No Date	***************************************		, 19

within 30 days from the date of well completion.  (1) OWNER:  Name Rufus Kraxberger, Jr.  Address 11280 S. Yacksberg Rd., Canby, Ore.  (2) TYPE OF WORK (check):  New Well & Deepening Reconditioning Abandon If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL:  (4) PROPOSED USE (check):  Rotary Driven Domestic Mandustrial Municipal Irrigation Test Well Other  Cable Deepening Reconditioning Municipal Irrigation Test Well Other  Cable Detted Driven Domestic Mandustrial Municipal Irrigation Reconditioning Abandon Detector Irrigation Reconditioning Municipal Reconditioning Recond	FOREGON JUL 2 5 1975 State Well No. 45/E-3 De or WATER RESOURCES DEPT Permit No.  (10) LOCATION OF WELL:  County Clackamas Driller's well number  S.E. 14 S.E 14 Section 32 T. 45 R. 1E
(1) OWNER:  Name Rifus Kraxberger, Ir.  Address 11280 S. Vacksberg Rd., Canby, Ore.  (2) TYPE OF WORK (check):  New Well & Deepening   Reconditioning   Abandon    If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL: (4) PROPOSED USE (check):  Rotary   Driven   Domestic   Industrial   Municipal    Cable   Jetted   Irrigation   Test Well   Other    CASING INSTALLED: Threaded   Welded    "Diam. from   ft. to   ft. Gage   250  "Diam. from   ft. to   ft. Gage   250  "Diam. from   ft. to   ft. Gage   100  PERFORATIONS: Perforated?   Yes   Xes	(10) LOCATION OF WELL:  County Clackamas Driller's well number
Name Rufus Kraxberger, Ir.  Address 11280 S. Vacksberg Rd., Canby, Ore.  (2) TYPE OF WORK (check):  New Well & Deepening   Reconditioning   Abandon    If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL: (4) PROPOSED USE (check):  Rotary   Driven   Domestic   Industrial   Municipal    Cable   Jetted   Irrigation   Test Well   Other    CASING INSTALLED: Threaded   Welded    "Diam. from   ft. to   ft. Gage   250    "Diam. from   o   ft. to   ft. Gage    "Diam. from   ft. to   ft. Gage    "Diam. from   ft. to   ft. Gage    "Perforator used   Perforator used    Size of perforations   in. by   in.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft.   ft.    perforations   ft	County Clackamas Driller's well number
Address 11280 S. Macksberg Rd., Canby, Ore.  (2) TYPE OF WORK (check):  New Well of Deepening   Reconditioning   Abandon    If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL: (4) PROPOSED USE (check):  Rotary   Driven   Domestic   Industrial   Municipal    Cable   Jetted   Irrigation   Test Well   Other    Cable   Bored   Irrigation   Test Well   Other    CASING INSTALLED: Threaded   Welded    "Diam. from   ft. to   ft. Gage   250    "Diam. from   ft. to   ft. Gage    "Diam. from   ft. to   ft. Gage    "Diam. from   ft. to   ft. Gage    "PERFORATIONS: Perforated?   Yes   No.  Type of perforations   in. by   in.  perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from	
Address 11280 S. Macksberg Rd., Canby, Ore.  (2) TYPE OF WORK (check):  New Well of Deepening   Reconditioning   Abandon    If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL: (4) PROPOSED USE (check):  Rotary   Driven   Domestic   Industrial   Municipal    Cable   Jetted   Irrigation   Test Well   Other    Cable   Bored   Irrigation   Test Well   Other    CASING INSTALLED: Threaded   Welded    "Diam. from   ft. to   ft. Gage   250    "Diam. from   ft. to   ft. Gage    "Diam. from   ft. to   ft. Gage    "Diam. from   ft. to   ft. Gage    "PERFORATIONS: Perforated?   Yes   No.  Type of perforations   in. by   in.  perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft. to   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from   ft.    perforations from	S.E. 14 S.E 44 Section 32 T. 45 R. 1E
(2) TYPE OF WORK (check):  New Well 2   Deepening	
New Well 2 Deepening  Reconditioning  Abandon   If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL:  (4) PROPOSED USE (check):  Rotary  Driven  Domestic  Industrial  Municipal  Inrigation  Test Well  Other    Cable  Jetted  Inrigation  Test Well  Other    CASING INSTALLED:  Threaded  Welded    "Diam. from  ft. to  ft. Gage  250    "Diam. from  ft. to  ft. Gage  250    "Diam. from  ft. to  ft. Gage  10    PERFORATIONS:  Perforated?  Yes  No.  Type of perforations  in. by  in.    perforations from  ft. to  ft. to  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations from  ft. to  ft.    perforations ft.    perf	Bearing and distance from section or subdivision corner
If abandonment, describe material and procedure in Item 12.  (3) TYPE OF WELL: (4) PROPOSED USE (check):  Rotary Driven Domestic	Frank Bearcreek Estates # 7
(3) TYPE OF WELL:  Rotary Driven Domestic M Industrial Municipal Inrigation Test Well Other  Cable Dug Bored Trigation Test Well Other  CASING INSTALLED: Threaded Welded Market Gage for Diam. from ft. to ft. Gage 250  "Diam. from ft. to ft. Gage PERFORATIONS: Perforated? Yes No.  Type of perforations in. by in.  perforations from ft. to ft. to ft. Gage ft. to ft. Gage Size of perforations from ft. to ft. ft. ft. ft. ft. ft. ft. ft. ft. ft.	
Rotary	- (11) WATER LEVEL: Completed well.
Rotary  Driven  Domestic  Mindustrial  Municipal  Table  Dug  Bored  Trigation  Test Well  Other    CASING INSTALLED: Threaded  Welded  Welded  Trigation  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  Other  Test Well  Other  Test Well  Other  Test Well  Other  Test Well  Other  O	Depth at which water was first found 30
Casing Installed:  Casing Installed:  Threaded:  Welded E  "Diam. from ft. to ft. Gage  "Diam. from ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft. Gage  "Diam. ft.	66
CASING INSTALLED: Threaded   Welded E    "Diam. from ft. to ft. Gage 250    "Diam. from 0 ft. to 100 ft. Gage 250    "Diam. from ft. to ft. Gage 5250    "Diam. from ft. to ft. Gage 5250    "Diam. from ft. to ft. Gage 5250    "Diam. from ft. to ft. Gage 5250    "Diam. from ft. to ft. Gage 5250    "Diam. from ft. to ft. Gage 5250    "Diam. from ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250    "Diam. ft. Gage 5250	Artesian pressure lbs. per square inch. Date
"Diam. from ft. to ft. Gage 250  "Diam. from ft. to 100 ft. Gage 250  "Diam. from ft. to ft. Gage 250  "Diam. from ft. to ft. Gage 250  "Diam. from ft. to ft. Gage 250  "PERFORATIONS: Perforated? Yes No.  Type of perforator used  Size of perforations in. by in.  perforations from ft. to ft. to ft.	
6 "Diam. from 0 ft. to 100 ft. Gage 250 "Diam. from ft. to ft. Gage 250  PERFORATIONS: Perforated? Yes No.  Type of perforations in. by in.  perforations from ft. to ft. to ft. to ft. to ft. to ft.	(12) WELL LOG: Diameter of well below casing
PERFORATIONS: Perforated?  Yes No.  Type of perforations in. by in.  perforations from ft. to ft. to ft.	Depth drilled 112 ft. Depth of completed well 108
PERFORATIONS: Perforated?  Yes No.  Type of perforator used  Size of perforations in. by in.  perforations from ft. to f	Wormstion: Describe color, texture, grain size and structure of m
Type of perforator used           Size of perforations         in. by         in.           perforations from         ft. to         f           perforations from         ft. to         f	and show thickness and nature of each stratum and aquifer per
Type of perforator used           Size of perforations         in. by         in.           perforations from         ft. to         f           perforations from         ft. to         f	position of Static Water Level and indicate principal water-bearin
Size of perforations         in. by         in.           perforations from         ft. to         f           perforations from         ft. to         f	MATERIAL From To
perforations fromft. tof perforations fromft. tof	Topsoil 0 3
perforations from ft. to ft.	
	1.4
perforations from ft. to ft.	t.   Clay_blue 52   76
	Gravel-cemented 76 86
(7) SCREENS: Well screen installed? ☐ Yes ☒ No	Clay-blue 86 101
Manufacturer's Name	Sandstone_soft_water 101 106
Type	Gravel_med_water 106 108
Diam. Slot size Set from ft. to	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	
Was a pump test made? ☐ Yes ☑No If yes, by whom?	
	18.
	"
	"
	rs.
Artesian flow g.p.m.	
	ft. Work started 7-18 1975 Completed 7-21
	Date well drilling machine moved off of well 7-21
(9) CONSTRUCTION:	
Well seal—Material used Bentonite	Drilling Machine Operator's Certification:  This well was constructed under my direct super
Well sealed from land surface to	Materials used and information reported above are true
Diameter of well bore to bottom of seal in.	best knowledge and bellef.  [Signed] 0.7-0 CALILE Date 7-24
Diameter of well bore below sealin.	(Drilling Machine Operator)
Number of sacks of cement used in well_sealsac Number of sacks of bentonite used in well_sealsac	Drilling Machine Operator's License No
Brand name of bentonite Wilbur Ellis	A
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:
of water	This well was drilled under my jurisdiction and this true to the best of my knowledge and belief.
Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location	ft. Name S&M Drilling & Supply, Inc. (Person, firm or corporation) (Type or pri
Did any strata contain unusable water?   Yes   No	
Type of water? depth of strata	(Person, firm or corporation) (Type or pr
Method of sealing strata off	(Person, firm or corporation) (Type or produced Address 399 S.F. Walnut, Canby, Ore, 9701
Was well gravel packed? ☐ Yes Ŋ No Size of gravel:	Address 399 S.F. Walnut, Canby, Ore, 9701
Gravel placed fromtt. to ft.	(Person, firm or corporation) (Type or property of the Address 399 S.F. Welnut, Canby, Ore, 970]  [Signed] (Water Well Contractor)

U.S. ~ 45'

Top W.A. — 138 - 5/25/80

W.A. 620' Hick

U.S (~55') Hick Top. W.A. — 125 Ans 28/25/88 W.A. 220'Hick 9/10/96

top W. (, U. - 120

Topus, 4, - 120

11-	10				
THE STATE OF THE	CHIC	Well	- STA	F CA	25
17 19 4			17		30
STATE OF OREGON	(012700	_ \	45/16	3-5	7
WATER WELL REPORT		)	1 [ -		-
(as required by ORS 537.765) WATER RESOURCES DEF	37				
(1) OWNER: S.Wellingeregon	_ (9) LOCATION	OF WELL by le	gal descrip	tion:	
Name JOE! NEUSCHWANDER	- County CACKA	Magazia.	Longitus	le	
Address 6059 3 WHISKEY HILL RD		NorS, Range			
City HUBBARD State OL Zip	Section	×			
(2) TYPE OF WORK:	Tax Lot		Subc	livision	
New Well Deepen Recondition Abandon		dl (or neares) address)		06000	
(3) DRILL METHOD	S. NEE	BY KD,	AUSY		
Rotary Air Rotary Mud Cable	(10) STATIC W.	ATER LEVEL:		,	-
Other	= 29 ab	elow land surface.	Date	5/23	5/84
(4) PROPOSED USE:		lb. per squ			
Domestic Community Industrial Irrigation	(11) WATER BI				
Thermal Injection Other	_		131		
BORE HOLE CONSTRUCTION:	Depth at which water was	first found			
Special Construction approval Yes No Depth of Completed Well 154	ft. From	To	Estimated Flor	v Rate	SWL
Yes No	85	102	800 GPN	7	30
•	- 115	132_	500 6A	4 7	30
HOLE SEAL Amount	,				
73 1 20 GRANUUR 1 20 11					
BENTONITE	_   (12) WELL LOG	Ground elevati	oń		
8 20 154		Visterial	Prom	To	SWL
	Soic	7342 942 242	FIOIN	3	SWL
How was seal placed: Method	CLAY BROWN	,	3	31	
TOTHER GRANGIAR BENTONITE METHOD	- SAND BROW		31	31	
Backfill placed fromft. toft. Material	- CLAY BREY	-	31	de	pro
Gravel placed from 25 ft. to 90 ft. Size of gravel FEA		erue 1	42	63	sea
(6) CASING/LINER:	CLAY DK GA	EY	63	70	de
Diameter From To Gange Steel Plastic Welded Thread			70	FZ	
Casing: 8 0 154 -250 F	SAND BLAC	CK FINE	82	92	
	CEMENTED !	RAUEL	92	105	
	- CLAY BLUE	STICKEY	105	115	
	CLAY GREY	w/ beel	115	132	
Liner:	SAND CA	IERS		tanka and	
	CLAY GREEN		132	146	
ocation of shoe(s)		BROWN.	244	147	
(7) PERFORATIONS/SCREENS:	CLAY BLUE	GREEN	147	154	
Perforations Method DRIVE DOWN	_	A			
	83 13 V				-

(7) PERFORA Perforations ☐ Screens Material Tele/pipe Liner 

Pump	Bailer	Air	Flowing Artesian
Yield gal/min	Drawdown	Drill sem at	Time
Soo	46	Punit	1 hr.
300	21	AIR LIFT	3

	*		
Temperature of water	. DepthA	rtesian Flow Found	
-	Yes By whom -		
Did any strata contain water not suit	able for intended u	se? 🗌 Too little	
☐ Salty ☐ Minddy ☐ Odor ☐	Colored   Oth	er	
Depth of strata:	9 8 <b>=</b>	<u></u>	

WHITE COPIES - WATER RESOURCES DEPARTMENT

		4-3-5
AETTOM C	OPY - CON	TRUCTOR

Date started

Signed \_\_\_

knowledge and belief.

Date

WWC Number

PINK COPY - CUSTOMER

Completed

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best

I accept responsibility for the construction, alteration, or abandonment

(unbonded) Water Well Constructor Certification:

(bonded) Water Well Constructor Certification:

## RECEIVED Well 2

TAG # LOZOTX CLAC JAN - 9 1997 STATE OF OREGON WATER SUPPLY WELL REPORT 5/287 62424 (START CARD) #. Instructions for completing this report are on the just page of this WATER RESOURCES DEPT. (as required by ORS 537.765) SALEM OREGON OF WELL by legal description: Well Number County CLACKAMAS Latitude Longitude Neuschwander's Nursery Name E or W. WML N or S Range 10 Township 6097 S. Whiskey Hill Rd Address 1/4 Se 1/4\_ Section Zip 97032 Or Hubbard Tex Lot 900 Lot Subdivision Block (2) TYPE OF WORK Street Address of Well (or nearest address) New Well Deepening Alteration (repair/recondition) Abandonment 29435 S Needy Rd (3) DRILL METHOD: (10) STATIC WATER LEVEL: Rotary Air Rotary Mud X Cable Anger Sep 10, 1996 \_ft. below land surface. Other lb. per square inch. Artesian pressure (4) PROPOSED USE: (11) WATER BEARING ZONES: Industrial [ Irrigation Community Domestic Livestock Other Injection Thermal Dooth at which water was first found \_\_\_ (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 140 ft. Estimated Flow Rate SWL To From Explosives used Yes No Type 47 140 HOLE 150 35 sacks Bentoni te 140 (12) WELL LOG: Ground Elevation  $\square$ B How was seal placed: Other Granular Bentonite method From Ъ SWL Material ft. Material Backfill placed from ft. to Soil Size of gravel nea ft. to 120 Gravel placed from 60 Clay. Brown (6) CASING/LINER: sale 38 54 Cemented gravel, brown Welded **Plastic** 140 I 58 54 Clay, orey Casing 58 60 Clay, grey, sandy 60 69 Sand, black, fine  $\bar{\Box}$ 71 49 Sand and oravel, black 74 71 Cemented oravel, sand Liner: 74 95 Sand & oravel 98 95 Clay, blue Final location of shoe(s) 140 101 98 clay, grey, silty (7) PERFORATIONS/SCREENSTIVE DOWN 101 108 Silt. dark orey Perforations Method 116 108 Clay w/black coarse sand Material Турс Screens 136 Clay, orey w/some cemented oravelila Lines Diameter 140 .188 Clay, blue Note: 6 inch gravel feed each side of  $\bar{\Box}$ 8 inch well Dec 10, 1996 August 8, 1996 Completed Date started (8) WELL TESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: Flowing I certify that the work I performed on the construction, alteration, or shandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge Artesian Bailer ☐ Air Pump Drill stem at Time Drawdown Yield gal/min air line e and belief. 1 hr. WWC Number 4 br 105 220 Signed (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water 53 sponsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well Yes By whom Was a water analysis done? Did any strata contain water not suitable for intended use? this report is any to the best of my knowledge and belief Salty Muddy Odor Colored Other WWC Number Depth of strata:

Signed \*

OBJODIAL & EIDST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR

THIRD COPY-CUSTOMER

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

600 B W A

#### **MEMORANDUM**

DATE:

2/24/2003

TO:

- - to-

File G-15567, Joel Neuschwander

FROM:

Donn Miller, Hydrogeologist

SUBJECT:

Well Construction Considerations and Potential for Substantial Interference

I have reviewed the file, ground water reports, the reconstruction request report of October 18, 2002, and additional well reports to research my recent assignment. I was asked to determine if wells #1 and #2 develop 2 or more aquifers (water sources) by virtue of well construction. Further, if they develop two or more aquifers, will reconstruction change conclusion, based on current well construction, that there is the potential for substantial interference? Please consult my prior analysis in a memo dated 10/30/02.

I conclude that the information in the request does not lay out a clearly defensible case that the wells are currently mis-constructed and develop multiple aquifers. There is a paucity of head data to support the request and the subject well reports are poorly supportive. The request advocates sealing the wells so as to exclude the presumed, upper, (cemented-gravel) aquifer from the wells and develop all materials below (as a single aquifer). I see no clear reason to identify this as a break between aquifers. The request really doesn't develop this point. The ability of the various clay layers to provide meaningful aquifer separation is not obvious. There is reason to think that those layers provide some level of separation within the same aquifer so as to result in seasonal pumping responses that display head differences with depth.

After research and consultation, I cannot conclude that there is more than one aquifer in these wells. There seems to be a fair level of vertical permeability such that I cannot determine the presence of a laterally extensive confining layer in the wells. (It is debatable whether the Willamette Silt is a separate aquifer that is developed in Well #1. That is a separate issue from that presented in the request.) This vertical integration provides no clear basis for multiple aquifer (source) identification.

Changing the construction of wells #1 and #2, as requested, will not avoid the potential for substantial interference with surface water. There would continue to be a hydraulic connection with streams. In part, I cite the flow system simulation analysis of USGS Professional Paper 1424-B as support. The conceptualization of the ground water flow system speaks to ground water discharge to local creeks. See pages B 47-55. (Technical Note: The cemented gravel is a source of water and is comparable to layer 2 of the model. The aquifer material below the cemented gravel at the site is, arguably, layer 3 that has conductivities that are locally similar to layer 2.) This conclusion is supported by the head relationships involved, the conductive nature of the various earth materials, the location of the wells to creeks, and the hydraulics of well pumping to influence ground water flow.

## Oregon Water Resources Department Water Rights Division

Water Rights Application
Number G-15567

Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review of this order must be filed within the 60 day time period specified by ORS 183.484(2).

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the final order is not subject to judicial review.

#### Final Order

#### Application History

On JULY 25, 2001, JOEL NEUSCHWANDER submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on April 9, 2002, proposing to deny the application because the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely Bear Creek. Further, water is not available for further appropriation at any time of the year. The protest period closed May 24, 2002, and no protest was filed.

The applicant requested a time-out from application processing to submit information on the construction of the well. The Enforcement Section and the Groundwater Hydrology Section reviewed the information and has determined that the proposed well reconstruction will be insufficient to overcome the finding of potential for substantial interference between the proposed ground water use and Bear Creek.

The proposed use does not comply with rules adopted by the Water Resources Commission or would otherwise impair or be detrimental to the public interest.

#### Order

The application therefore is denied.

DATED March 6 , 2003

Paul R Cleary, Director

This document was prepared by Jerry Gainey. If you have any questions about any of the statements contained in this document I am the most likely the best person to answer your questions. You can reach me at 1-503-378-8455 extension 458.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun. Her extension number is 239.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97301-4172, Fax: (503)378-2496

18477 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5983 Fax (503) 632-5016 Phone

Malia says:

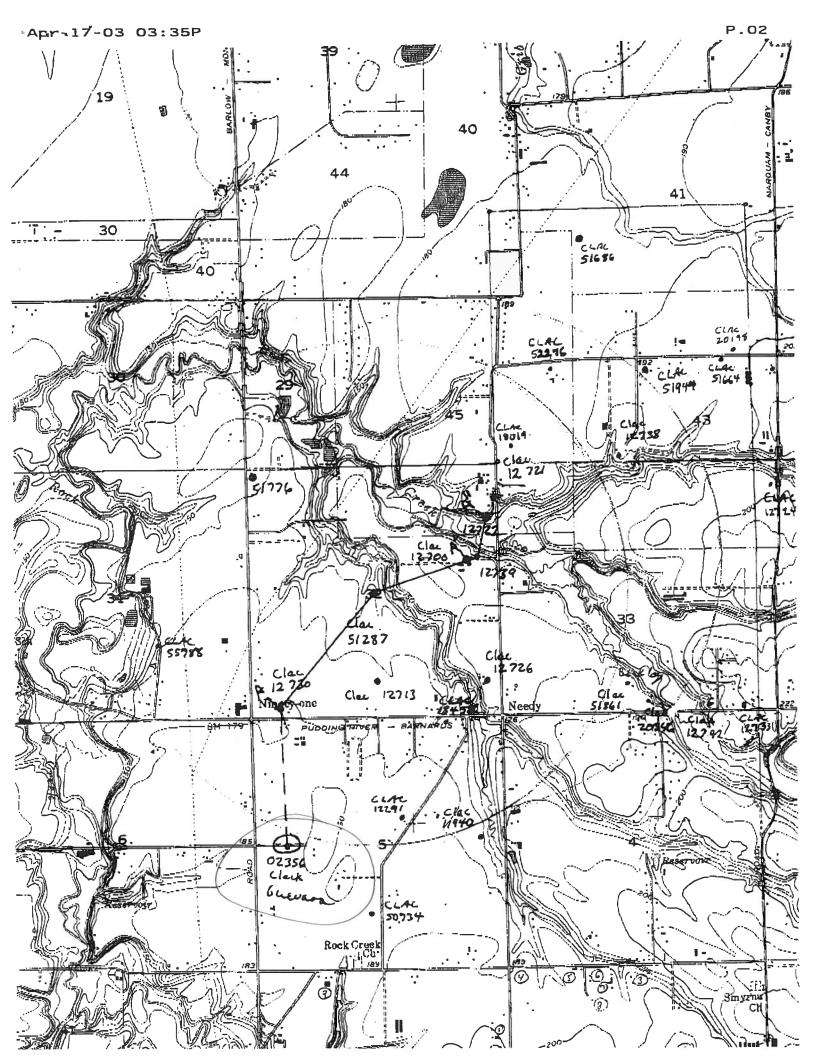
Pacific Hydro-Geology Inc.



To: Donn Miller	From: Malia Rosner Kupillas
Fax: (503) 378-2496	Pages 2
<b>Phone:</b> (503) 378-3739	
<b>Date:</b> April 17, 2003	
Re: Map with Nueshwander an	d Guevara (CLACK 2356)
☐ Urgent ☐ For Review ☐ Ple	ease Comment   Please Reply   Please Recycle
• Comments:	
Please call me at (503) 632-501	6 if you have any questions or need additional information.
SWL 521 on 6/3	3/03

No new data for 6-15567 wells

Malis a. Zapallas





15567)

ARD@wrd.state.or.us>, Donn Miller, Dwight W French state.or.us>

ted July 31, 2003 regarding options to resolve "hydraulic ed with Mr. Neuschwander's ground water application.

I have asked the ground water section staff to quantify the potential impact to surface water from the proposed ground water use. Once this information is available we can evaluate whether the proposed mitigation is sufficient.

I should have this information available within two weeks.

Please give me a call at (503) 378-8455 ext. 297 if you have any questions.

Adam Sussman Senior Policy Coordinator

# **OAA** Oregon Agriculture Alliance

PO Box 4323, Portland, OR 97208

503-524-5174, Fax-503-524-5567 ashcoms@msn.com

31 July 2003

Mr. Adam Sussman Senior Policy Coordinator Oregon Water Resources Department Commerce Building 158 12<sup>th</sup> St. NE Salem, Oregon 97301-4172 AUG 0 5 2003

WATER RESOURCES DEF

RE:

File # G-15567

Applicant: Joel Neuschwander

Agent for the Applicant is Scott Ashcom

#### Dear Adam:

Thank you for meeting with me last Thursday, 31 July, to discuss how to proceed to finalize approval of application G-15567. You suggested that I send you a letter describing the tentative agreement resulting from a meeting held at the department in late June.

Present at the meeting were Director Paul Cleary, Deputy Director Phil Ward, Barry Norris, Fred Lissner, Donn Miller, Malia Kupillas (hydro-geologist employed by the applicant), and Scott Ashcom (agent for the applicant). The meeting was called to allow the hydro-geologist for the applicant to rebut the presumption of hydrologic interconnection made by Donn Miller. The meeting lasted 1 ½ hours.

All pertinent issues were discussed thoroughly. Mr. Miller maintained that the subject wells were connected but conceded that the connection was not measurable (nor was it measured). He stated that a model was used, not measurements. He stated that the connection occurred because no well seal can prevent leakage from one aquifer to another. Malia Kupillas insisted that the extensive groundwater research that she submitted regarding Mr. Miller's presumption proved that there was no connection. <sup>1</sup>

Mr. Ashcom mentioned that the applicant was willing to mitigate by transferring some or all of his surface water rights to instream use. The Director stated that he thought that was a good way to resolve the issue. The Director stated that a gallon for gallon mitigation was not expected.

Note that application G-15567 covered all Place of Use (POU) acreage in Certificate 20401 (perfected under permit 16827) at a duty of 2.5 AF/ac; it added an additional 2.5 AF/ac to give all POU acreage under Certificate 20401 at total duty of 5 AF/ac (for year-round nursery use); and G-15567 added 85.09 acres POU to be irrigated at Nursery Use duty of 5 AF/ac. The POD for G-15567 is 2 wells as indicated on the application map.

<sup>&</sup>lt;sup>1</sup> Malia R. Kupillas, R.G., C.W.R.E., and Gregory E. Kupillas, R.G., C.W.R.E., <u>Water Right Application G-15567, Joel Neuschwander</u> (Pacific Hydro-Geology Inc., Mulino). Submitted to Donn Miller, 1 June 2003.

The applicant proposes that the application be approved as submitted, but if that is not possible, that the applicant offers to accept a condition of approval that the groundwater withdrawal be mitigated by entering into an agreement with WRD to transfer his surface water right (Certificate 20401) on a renewable short term lease to WRD for instream use.

This arrangement seemed acceptable to all present, although Mr. Norris suggested that the applicant should continue to work to gain approval of the original application.

This, to the best of my recollection, is the tentative agreement arrived at by those present at the meeting called by the Director regarding application G-15567. If you need anything more from me, please contact me at the letterhead addresses.

Very truly yours,

Scott Ashcom, M.A. Executive Director

RECEIVED

AUG 0 5 2003

WATER RESOURCES DEPT SALEM, OREGON Joel N- Application -26.2 25.6 51.8 80% -1.07 CFS (1.07 1.11 1.60 Ltr. uf proposal file transfer 5 to in stream upon approval of transfer - this' app to be approved Proposal from, them - ( Adam - / in w Paul Phil-Call Greg - Write proposal for migation.

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

#### **MEMORANDUM**

DATE:

2/24/2003

TO:

5.0

File G-15567, Joel Neuschwander

FROM:

Donn Miller, Hydrogeologist

SUBJECT:

Well Construction Considerations and Potential for Substantial Interference

I have reviewed the file, ground water reports, the reconstruction request report of October 18, 2002, and additional well reports to research my recent assignment. I was asked to determine if wells #1 and #2 develop 2 or more aquifers (water sources) by virtue of well construction. Further, if they develop two or more aquifers, will reconstruction change conclusion, based on current well construction, that there is the potential for substantial interference? Please consult my prior analysis in a memo dated 10/30/02.

I conclude that the information in the request does not lay out a clearly defensible case that the wells are currently mis-constructed and develop multiple aquifers. There is a paucity of head data to support the request and the subject well reports are poorly supportive. The request advocates sealing the wells so as to exclude the presumed, upper, (cemented-gravel) aquifer from the wells and develop all materials below (as a single aquifer). I see no clear reason to identify this as a break between aquifers. The request really doesn't develop this point. The ability of the various clay layers to provide meaningful aquifer separation is not obvious. There is reason to think that those layers provide some level of separation within the same aquifer so as to result in seasonal pumping responses that display head differences with depth.

After research and consultation, I cannot conclude that there is more than one aquifer in these wells. There seems to be a fair level of vertical permeability such that I cannot determine the presence of a laterally extensive confining layer in the wells. (It is debatable whether the Willamette Silt is a separate aquifer that is developed in Well #1. That is a separate issue from that presented in the request.) This vertical integration provides no clear basis for multiple aquifer (source) identification.

Changing the construction of wells #1 and #2, as requested, will not avoid the potential for substantial interference with surface water. There would continue to be a hydraulic connection with streams. In part, I cite the flow system simulation analysis of USGS Professional Paper 1424-B as support. The conceptualization of the ground water flow system speaks to ground water discharge to local creeks. See pages B 47-55. (Technical Note: The cemented gravel is a source of water and is comparable to layer 2 of the model. The aquifer material below the cemented gravel at the site is, arguably, layer 3 that has conductivities that are locally similar to layer 2.) This conclusion is supported by the head relationships involved, the conductive nature of the various earth materials, the location of the wells to creeks, and the hydraulics of well pumping to influence ground water flow.

Head relations shown on figure 19 indicate that (1) the local water table is between an altitude of 114 and 121 ft, (2) the heads in the shallow basalt wells (No. 4 and No. 6) correspond with the water table, (3) the heads in the deep basalt wells (No. 1 and No. 7) are higher than the water table, indicating vertically upward flow near the Tualatin River, and (4) the head in basalt well No. 9 is lower than the head in well No. 10, which is completed in the overlying Willamette confining unit. Thus, over a relatively short distance, predominantly horizontal flow (no vertical head difference), vertically upward flow, and vertically downward flow are shown by the water levels for these 10 wells.

#### **CROSS-SECTIONAL FLOW MODELS**

Cross-sectional numerical flow models were constructed for two selected sections of the Willamette Lowland aquifer system in order to test a conceptual model of the ground-water flow system, to test estimates of hydraulic properties, and to provide information on the ground-water flow budget. Although the models were not rigorously calibrated, the simulated heads and discharges to streams compared favorably with observed heads and discharges, indicating that the conceptualization of the flow system and estimates of hydraulic properties were reasonable.

The two models, represented as sections M1-M1' and M2-M2' on figure 20, are approximately parallel to flow paths, as determined from the generalized water-table map (pl. 1). Section M1-M1' extends from the vicinity of Silverton, west to the crest of the Eola Hills (which is north of Salem), and is considered to represent conditions in much of the central Willamette Valley, where basin-fill deposits are underlain by the Columbia River basalt aquifer. Section M2-M2' extends from Peterson Butte (which is south of Lebanon), roughly west to the Willamette River between Corvallis and Albany; west of the Willamette River section would be essentially the reverse of M2-M2'. Section M2-M2' is considered to be representative of the southern Willamette Valley, where basin-fill deposits directly overlie the basement confining unit.

Ground-water flow was simulated under steadystate conditions using the finite-difference groundwater flow model (MODFLOW) of McDonald and Harbaugh (1988). Flow paths were calculated and plotted using the programs MODPATH and MODPATH-PLOT by Pollock (1989). Flow budgets for individual aquifer units were determined using the program ZONEBUDGET of Harbaugh (1990).

#### MODEL GRIDS AND BOUNDARY CONDITIONS

The model grids for both sections are presented on figure 20, traces of the modeled sections are shown on plate 1, and information about the grids are summarized in table 6. Horizontal subdivision of the sections was based on the resolution of water-table altitude data, spacing of streams, and the scale of major topographic features. A constant cell length (column) of 1,500 ft and width (row) of 1 ft was selected for both sections. Vertical subdivision was based on the regional hydrogeologic units discussed earlier in this report. Each unit was represented by one model layer, except in section M1-M1', where the thick Willamette confining unit was represented by four layers. The layer thickness was variable; the thickness of each model cell was based on the average thickness of the corresponding hydrogeologic unit at that location. For the four layers representing the Willamette confining unit in section M1-M1', the layers were defined so that the thickness was equal.

The upper boundary of both sections was the water table and was modeled as a free surface. The uppermost active layer generally corresponded to the Willamette Silt unit (layer 1) or the Willamette aquifer (layer 2). The Columbia River basalt aquifer (layer 7) is the uppermost active layer at both ends of section M1-M1'. The uppermost active cells received a recharge flux that was determined by using a regression relation based on precipitation and elevation that had been determined by Snyder and others (1994) for the Portland Basin. Where the Columbia River basalt aquifer was the uppermost unit, a recharge rate of 14 in/yr was used; although this rate is lower than predicted by the regression relation, it is considered reasonable because of the small vertical hydraulic conductivity and generally steep topography of the basalt. Recharge ranged from 14.0 to 21.2 in/yr in section M1-M1' and from 18.4 to 19.9 in/yr in the section M2-M2'.

The bottom of both sections was the top of the basement confining unit and was modeled as a no-flow boundary. There is undoubtedly some flow from the basement confining unit into the overlying units; however, because of its small hydraulic conductivity, the volume of this flow is likely to be small relative to the total flow in the system. Additionally, data are not available to quantify inflow from the basement confining unit and this formulation follows the conceptual model used to delineate the aquifer system described previously in the report.

Lateral boundaries (the ends of the sections) were also modeled as no-flow boundaries. Section M1-M1' extends in both directions to the contact between the Columbia River basalt aquifer and the basement confining unit. Basin-fill deposits abut the basement confining units on the east end of section M2-M2'.

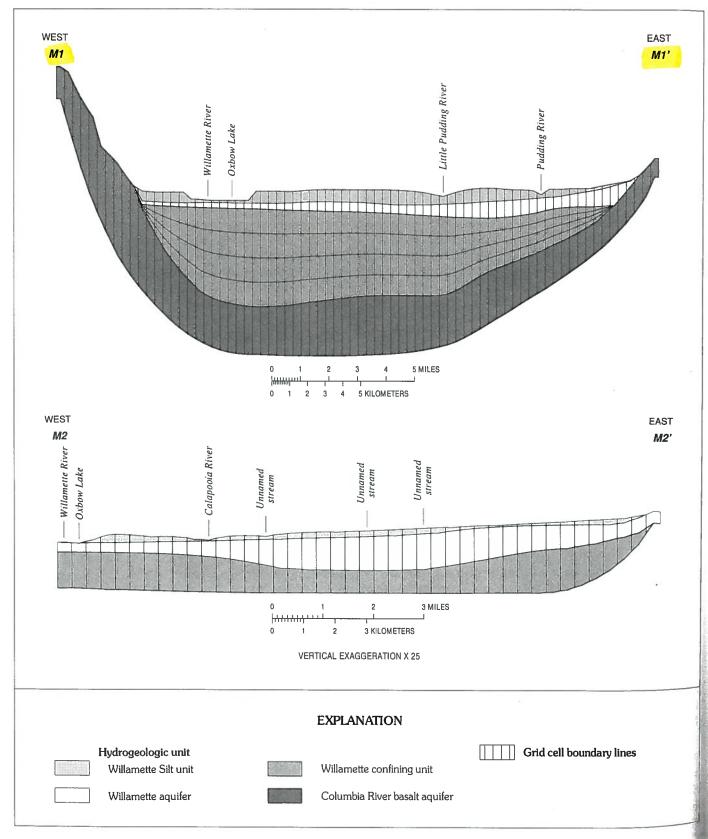


FIGURE 20.—Grids and layers for cross-sectional ground-water flow models.

Table 6.—Information on model grid systems

_	Section 1			
Model Characteristic	M1-M1′	M2-M2'		
Length (miles)	21	12		
Number of layers	7	3		
Column width (feet)	1,500	1,500		
Number of columns	74	42		
Minimum active cell thickness (feet)	5	6		
Maximum active cell thickness (feet)	440	180		
Number of drain cells	17	9		

<sup>&</sup>lt;sup>1</sup> Model grid system shown on figure 20.

These basement confining unit contacts were modeled as no-flow boundaries. The western end of section M2-M2' is bounded by the Willamette River. Because there is often vertical, or nearly vertical flow directly beneath major streams, this boundary was assumed to be a flow line and, therefore, a no-flow boundary. Because the model sections generally parallel ground-water flow paths, the sides of the models approximate flow lines and were represented as no-flow boundaries.

The evapotranspiration package of the flow model was used to simulate ground-water discharge by evapotranspiration because ground-water levels are near land surface over large parts of both sections. The parameters required by the package are the maximum evapotranspiration rate and extinction depth. These parameters were assumed to be uniform across both sections and were estimated assuming that the dominant land cover is grass (grown for seed), grain, pasture, or some combination of the three. The maximum evapotranspiration rate (18 in/yr) was estimated as the portion of crop-water requirements (30 in/yr) not satisfied by available precipitation. Available precipitation (12 in/yr) is the total precipitation (45 in/yr) minus the quantity lost to runoff (15 in/yr) and deep percolation (18 in/yr). Runoff estimates were from Oster (1968), and crop-water requirements were obtained from Cuenca and others (1992). The extinction depth was assumed to be approximately equal to the maximum rooting depth for the dominant crop types; the value used in the models was 5 ft.

Several streams traverse each model section and were modeled using the drain package of the model, as opposed to the river package. Both packages represent head-dependent flux boundaries; however, with the river package, water can move into or out of the aquifer

depending on the head relation. With the drain package, water is allowed only to move out of the aquifer to the drain. In both cross-sectional models, most of the streams gain water from the aquifer. The only streams that did not receive water from the aquifer were small intermittent drainages. Because it is unlikely that these small intermittent streams would be flowing without ground-water inflow, they were modeled as drains to prevent them from providing water to the aquifer. Although the drain package was used to simulate the streams, the term "stream" will be used to describe them in the remainder of this discussion. Streams were placed in the Willamette Silt unit (layer 1) or, if the silt was absent due to erosion, in the Willamette aquifer (layer 2). Information on streams in both models is given in table 7. Stream elevations and channel widths were estimated from 1:24,000-scale topographic maps.

#### HYDRAULIC CHARACTERISTICS

The horizontal hydraulic conductivity of the hydrogeologic units (table 8) was initially estimated on the basis of information from a number of sources. The hydraulic conductivity of the Willamette Silt unit was based on values presented by Price (1967a) and on published values for similar materials (Bureau of Reclamation, 1985; Driscoll, 1986). Hydraulic conductivity estimates for the Willamette aquifer were based on analysis of specific-capacity data from well logs and published values for similar materials. Conductivity values derived from ground-water flow modeling of the Portland Basin (Morgan and McFarland, 1996) were used to estimate the conductivity of the Willamette confining unit, as well as the vertical anisotropy in the entire basin-fill section. The horizontal hydraulic conductivity and vertical anisotropy of the Columbia River basalt aquifer was estimated on the basis of the results of Morgan and McFarland (1996), Hansen and others (1994), and analysis of specific-capacity data from well logs. In calculating the initial streambed hydraulic conductances, it was assumed that streambed properties were the same as the hydraulic properties of the cell containing the stream node.

In general, the estimated hydraulic characteristics for the Willamette Silt unit, 1 ft/d horizontal hydraulic 0.01 ft/d hydraulic and vertical conductivity conductivity, produced satisfactory modeling results (table 8). With the exception of the vertical conductances beneath streams, changing these parameters did not dramatically change model results. In order to reduce calculated heads in the silt unit and the underlying Willamette aquifer adjacent to major streams, it was necessary to increase vertical conductances between the silt and the underlying aquifer in cells with streams by about one order of magnitude.

TABLE 7.—Stream locations, properties, and discharge rates for cross-sectional flow models

[ft, feet; ft²/d, square feet per day; ft³/d, cubic feet per day]

Name	Layer	Column	Altitude (ft)	Conductance (ft <sup>2</sup> /d)	Discharge (ft <sup>3</sup> /d)
		Section N	<u>M1-M1'</u>		
Unnamed	7	1	1,000	0.063	0
Unnamed	7	4	780	.093	0
Unnamed	7	6	450	.097	0
Unnamed	7	7	400	.085	0
Unnamed	1	13	165	.00571	0
Unnamed	1	14	165	.00571	0
Willamette River	2	19	95	120.00	65.3
Oxbow Lake	2	22	90	30.00	95.7
Patterson Creek	1	29	128	1.00	7.3
Unnamed	1	37	180	.0125	0
Little Pudding River	1	48	138	25.00	58.7
Woods Creek	1	50	148	1.50	6.9
Unnamed	1	51	185	.0111	0
Unnamed	1	56	148	.75	7.9
Pudding River	ng River 1		145	25.00	100.8
Unnamed	1	63	191	.025	0
Unnamed	7	73	287	.0025	3.5
		Section 1	M2-M2'		
Willamette River	2	1	193	35.71	16.0
Oxbow Lake	2	2	193	28.57	31.8
Calapoola River	2	11	209	33.33	67.3
Unnamed	2	15	218	4.00	37.6
Unnamed	1	22	245	6.00	10.1
Unnamed	1	26	257	10.00	19.5
Unnamed	1	34	282	2.50	3.8
Unnamed	1	35	288	0	0
Unnamed	1	39	303	.09	0

Table 8.—Hydraulic characteristics used in models

Hydrogeologic unit		estimate, : per day)	Final estimate, (in feet per day)		
	Horizontal conductivity	Vertical conductivity	Horizontal conductivity	Vertical conductivity	
Willamette Silt	1	0.01	1	0.01	
Willamette aquifer	200	2	200–600	2	
Willamette confining unit	5	.05	5	.1	
Columbia River basalt aquifer	5	.017	2.5	.025	

The physical basis for increasing conductances beneath streams is explained in the discussion on streambed conductance adjustments later in this section.

The initial estimates of the hydraulic characteristics of the Willamette aquifer, a horizontal hydraulic ronductivity of 200 ft/d and a vertical conductivity of 2 ft/d, gave satisfactory results. Overall, changing these parameters did not have a large effect on the simulated flow system. This may be because of the large contrast between the hydraulic properties of the aquifer and the adjacent units. Increasing the horizontal hydraulic conductivity of the Willamette aquifer to 600 ft/d beneath the Willamette River flood plain improved the fit between simulated and observed heads in the Willamette Silt unit adjacent to the flood plain. This was a reasonable adjustment because specificcapacity data (table 4) indicate that hydraulic conductivities of the aquifer gravels in the flood plain are substantially larger than elsewhere, presumably because of reworking by stream action (see previous discussion in the "Hydraulic Characteristics" section of report).

The initial estimate of horizontal hydraulic conductivity for the Willamette confining unit, 5 ft/d, gave reasonable results and was not changed. Although the initial vertical hydraulic conductivity of 0.05 ft/d was doubled to reduce vertical gradients, water-level data from wells suggest that vertical gradients generally are small in the Willamette Lowland. The vertical hydraulic conductivity of the Willamette confining unit, which separates the Columbia River basalt aquifer from the Willamette aguifer in section M1-M1', was found to have a significant influence on vertical gradients between the Columbia River basalt aquifer and the Willamette aquifer.

The initial estimates of horizontal and vertical hydraulic conductivity of the Columbia River basalt aquifer, 5 ft/d and 0.017 ft/d, respectively, had to be adjusted to match simulated and observed heads. With the original values, excessive upward vertical gradients were simulated beneath the center of the basinsimulated heads in the Columbia River basalt aquifer were more than 100 ft above land surface. As described and shown previously (fig. 19), flowing artesian wells are uncommon in the Columbia River basalt aquifer except near the margins of the basalt uplands. Most of the simulated large, upward gradients were reduced by decreasing the horizontal hydraulic conductivity in the basalt by a factor of 2, increasing the vertical conductivity of the basalt from 0.017 ft/d to 0.025 ft/d, and increasing the vertical conductivity of the overlying Willamette confining unit as mentioned previously.

Satisfactory model results were obtained only after selectively increasing conductances of streambeds in the silt by up to 50 times the initial estimates. Large conductance values are considered reasonable because of the range in streambed materials and because of the reworking and sorting of streambed materials by stream action after their deposition by glacial-outburst floods, thereby increasing their hydraulic conductivity. As mentioned previously, this latter process has certainly occurred in the Willamette aquifer along the Willamette River flood plain and has probably occurred in other units as well.

Estimates of hydraulic characteristics of the hydrogeologic units were adjusted to match the simulated and observed heads and discharge quantities in both models. Because of the limited ability of cross-sectional models to simulate a three-dimensional flow system and the general lack of field measurements, the models were not rigorously calibrated. However, the simulated heads and discharge quantities are reasonable given the available data. The water-table surface shown on plate 1 represents water levels at their lowest annual altitude. Water levels fluctuate 5 to 20 ft/yr in the area of section M1-M1' (Price, 1967a) and 2 to 14 ft/yr in the vicinity of section M2-M2' (Frank, 1974; Helm and Leonard, 1977); these fluctuations were described previously in the "Water-Level Fluctuations" section. Water levels simulated by the steady-state models represent average annual water-level altitudes and should be higher than the altitude shown on plate 1, but within the range of observed seasonal fluctuations. With the exception of a few cells in both models, simulated heads in the top active model layers were above the altitudes on plate 1, within the observed range of seasonal fluctuations, and below ground level. Simulated heads in the non-water table model layers were consistent with what is known about vertical head differences and hydraulic gradients in the area.

Simulated ground-water discharge to streams was compared to estimates from Price (1967a) and from Laenen and Risley (1997), whose information is described more thoroughly in the "Discharge" section later in this report. Discharge quantities were only available for the Willamette River in both model sections and for the Pudding River in section M1-M1'. Laenen and Risley (1997) found that ground-water discharge to the Willamette River was highly seasonal. Seepage measurements during the summer of 1992 indicated little or no ground-water inflow to the Willamette River main stem. Measurements during the spring of 1993, by contrast, indicated that the main stem gained approximately 2,000 ft<sup>3</sup>/s between river mile (RM) 55 and 195.

Ground-water discharge to the Willamette River in the vicinity of section M1-M1' was estimated from seepage measurements made in September 1993 (Laenen and Risley, 1997). The M1-M1' section crosses the river near RM 72. Ground-water inflow to the river from RM 78.5 to RM 55 was approximately 476 ft<sup>3</sup>/s, which equals a discharge of about 331 ft<sup>3</sup>/d/ft (cubic feet per day per foot) of river length. Thus, average annual discharge to the river calculated by the 1-ft-wide model should be between 0 and 331 ft<sup>3</sup>/d (cubic feet per day). Simulated steady-state discharge to the Willamette River and a hydraulically connected oxbow lake in section M1-M1' was 161 ft<sup>3</sup>/d, which is reasonable.

On the basis of hydrograph analysis, Price (1967a) estimated that ground water discharges to the Pudding River between RM 40.7 and RM 8.2 at a rate of 146,000 acre-ft/yr (acre-feet per year), or an average annual discharge of about 101 ft<sup>3</sup>/d/ft of river length. Because the estimate is based on a stream hydrograph, it integrates discharge to the Pudding River as well as its tributaries. In section M1-M1', which crosses the Pudding River near RM 46, upstream from the section analyzed by Price (1967a), simulated discharge to the Pudding River and its tributaries was about 178 ft<sup>3</sup>/d/ft. Given the uncertainty in applying Price's (1967a) discharge estimates, this is a reasonable match.

The only discharge estimate available for section M2-M2' is for the Willamette River and is based on seepage measurements made in June 1993 during high springtime discharge (Laenen and Risley, 1997). Section M2-M2' crosses the Willamette River near RM 127. Ground-water inflow between RM 119.3 and RM 141.7 was estimated to be 931 ft<sup>3</sup>/s or about 680 ft<sup>3</sup>/d/ft of river length. Because the river is one of the model boundaries and similar ground-water conditions are assumed to exist on both sides of the river, groundwater inflow calculated by the model should be about one-half the estimate or between 0 and 340 ft<sup>3</sup>/d. Simulated steady-state discharge to the Willamette River and a hydraulically connected oxbow lake from section M2-M2' is about 48 ft<sup>3</sup>/s. The 340 ft<sup>3</sup>/d represents the probable spring peak in ground-water discharge, the simulated average annual value of 48 ft<sup>3</sup>/d is considered reasonable. Discharge quantities to all streams are listed in table 7.

#### SIMULATED FLOW SYSTEM

The major factors controlling the ground-water flow system are recharge, evapotranspiration, geometry of hydrogeologic units, distribution and magnitude of horizontal and vertical hydraulic conductivity in the units, and locations and properties of streams and their beds. To help visualize the simulated movement of water, the particle-tracking and plotting programs MODPATH and MODPATH-PLOT were used. These programs calculate and plot the paths of imaginary particles of water as they move through the flow system. These paths represent flow lines through the modeled system. Flow lines through both model sections (fig. 21) were plotted by tracing the paths of imaginary water particles from the point where they recharge the ground-water system at the water table to the point where they discharge from the system through streams or evapotranspiration. For the sections shown on figure 21, one particle was started at the water table in the center of each cell and tracked to its discharge location.

Water recharging the Willamette Silt unit moves vertically downward into the Willamette aquifer, where flow is primarily horizontal toward streams, the primary discharge point (fig. 21, section M1-M1'). A small part of the water moving in the Willamette aquifer may move into the underlying Willamette confining unit, where its movement includes a larger vertical component. Water in the Willamette confining unit moves upward and back into the Willamette aquifer near and beneath streams to which the water ultimately discharges. Water in the Columbia River basalt aquifer moves horizontally and downward from recharge areas in uplands toward the central parts of the basin, then upward from the basalt into the overlying units.

The Willamette Silt unit is recharged mainly through infiltration of precipitation (table 9). Most of the water moves into the underlying Willamette aquifer within several hundred feet of where it enters the saturated zone (fig. 21, section M2-M2'). Simulated downward vertical hydraulic gradients between the Willamette Silt unit and the Willamette aquifer in areas away from streams range from approximately 0.014 to 0.15 ft/ft. Horizontal hydraulic gradients within the Willamette Silt unit range from  $4 \times 10^{-5}$  to 0.015 ft/ft. Where the water table is above the rooting depth of plants, some of the water discharges through evapotranspiration. Some water moves upward into the Willamette Silt unit from the underlying Willamette aquifer beneath and adjacent to streams (fig. 21). Streams in the Willamette Silt unit, such as the Pudding and Calapooia Rivers, are principal locations of ground-water discharge. Upward vertical hydraulic gradients beneath these streams range from about 0.017 to 0.13 ft/ft.

Although water enters the Willamette aquifer from both the overlying and the underlying units, most enters it through the overlying Willamette Silt unit (table 9).

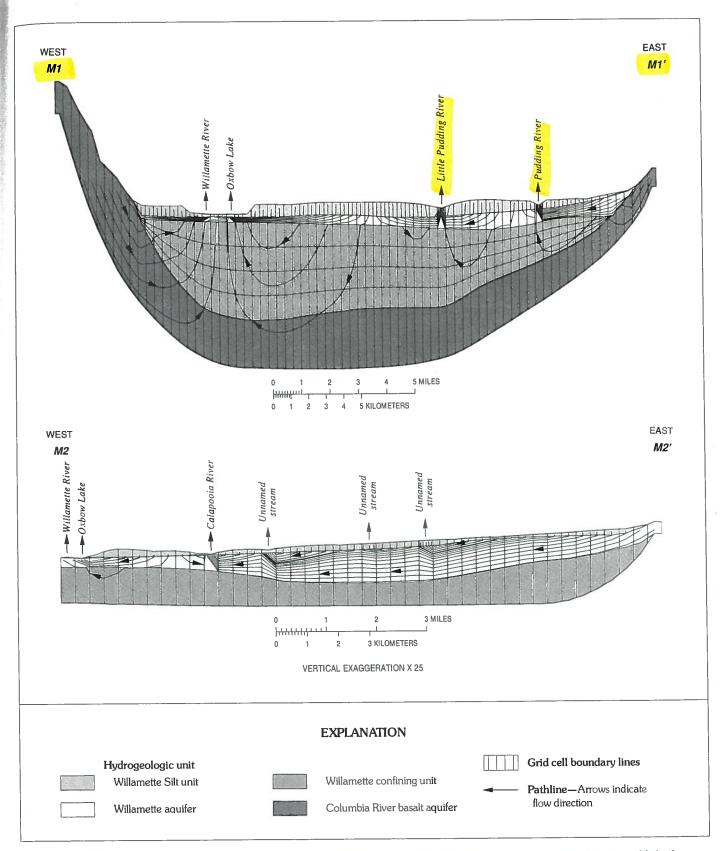


FIGURE 21.—Model grids and layers with pathlines. (The pathlines represent the paths of water particles that start at the water table in the center of the uppermost active cells and travel to their discharge points.)

TABLE 9.—Flow budgets for cross-sectional models

[-, not applicable]

		Flow from, in cubic feet per day					Flow to, in cubic feet per day						
Hydrogeologic Unit	Recharge	Wil- lamette Silt	Wil- lamette aquifer	Wil- lamette confining unit	Columbia River basalt aquifer	Total in	Evapo- trans- pira- tion	Streams	Wil- lamette Silt	Wil- lamette aquifer	Wil- lamete confining unit	Columbia River basalt aquifer	Total out
						Section 1	<u>M1-M1′</u>						
Willamette Silt unit	323		159	0	0	482	53	182	×	247	0	0	482
Willamette aquifer	32	247		69	0	348	1	161	159		27	0	348
Willamette confining unit	0	0	27		46	73	0	0	0	69	est sup	4	73
Columbia River basalt aquifer	48	0	0	4		52	6	1	0	0	45		52
Model net total	403					***	60	343					403
						Section N	<u>M2-M2′</u>						
Willamette Silt unit	225		19	0		244	72	33		139	0		244
Willamette aquifer	46	139		6		191	13	153	19		6		191
Willamette confining unit	0	0	6			6	0	0	0	6			6
Model net total	271						85	186					271

Water in the Willamette aquifer moves horizontally toward streams and discharges to streams with which it is hydraulically connected. However, some water moves from the Willamette aquifer into the overlying Willamette Silt unit beneath streams to which the silt is hydraulically connected. Although a small volume of water moves into the underlying Willamette confining unit (table 9), most of this water moves back into the Willamette aquifer downgradient. Simulated horizontal hydraulic gradients in the Willamette aquifer range from  $5 \times 10^{-5}$  to 0.006 ft/ft and average about 0.002 ft/ft.

Water moves into the Willamette confining unit from the overlying Willamette aquifer and, when present, from the underlying Columbia River basalt aquifer (table 9). Where the Columbia River basalt unit underlies the confining unit, water from the basalt accounts for most of the flow through the confining unit. Water moving in the confining unit eventually discharges to the Willamette aquifer, usually in the vicinity of major

The Columbia River basalt aquifer is recharged primarily through infiltration of precipitation where the unit is exposed at land surface (table 9; fig. 21, section M1-M1'). The model results indicate that a small volume of water also enters the basalt from the overlying Willamette confining unit. As modeled, no water can enter the basalt from the underlying marine rocks of the basement confining unit because the contact between the units is represented by a no-flow boundary. However, as previously described, locally, some water probably flows from the marine rocks. Some wells drilled deep into the basalt in the Portland and Tualatin Basins encounter saline water that generally is thought to originate in the marine rocks (as will be discussed in the "Water Quality" section). Water discharges from the basalt primarily to the overlying Willamette confining unit.

#### CALCULATED WATER-BUDGET COMPONENTS

Water movement in both modeled sections is similar, with a few notable differences. Calculated flow budgets for both models are presented in table 9. In section M1-M1', stream discharge accounts for 85 percent of the total discharge, and evapotranspiration accounts for 15 percent. In section M2-M2', stream discharge accounts for 69 percent of the total discharge, and evapotranspiration accounts for 31 percent. The larger estimated evapotranspiration in section M2-M2' is accounted for by the flatter topography in this section, which results in a generally higher water table.

Flow budgets within the Willamette Silt unit are slightly different for the two modeled sections. Simulations indicate that 80 to 83 percent of the recharge from precipitation occurs in the Willamette Silt unit and the remainder occurs either in the Willamette aquifer or in

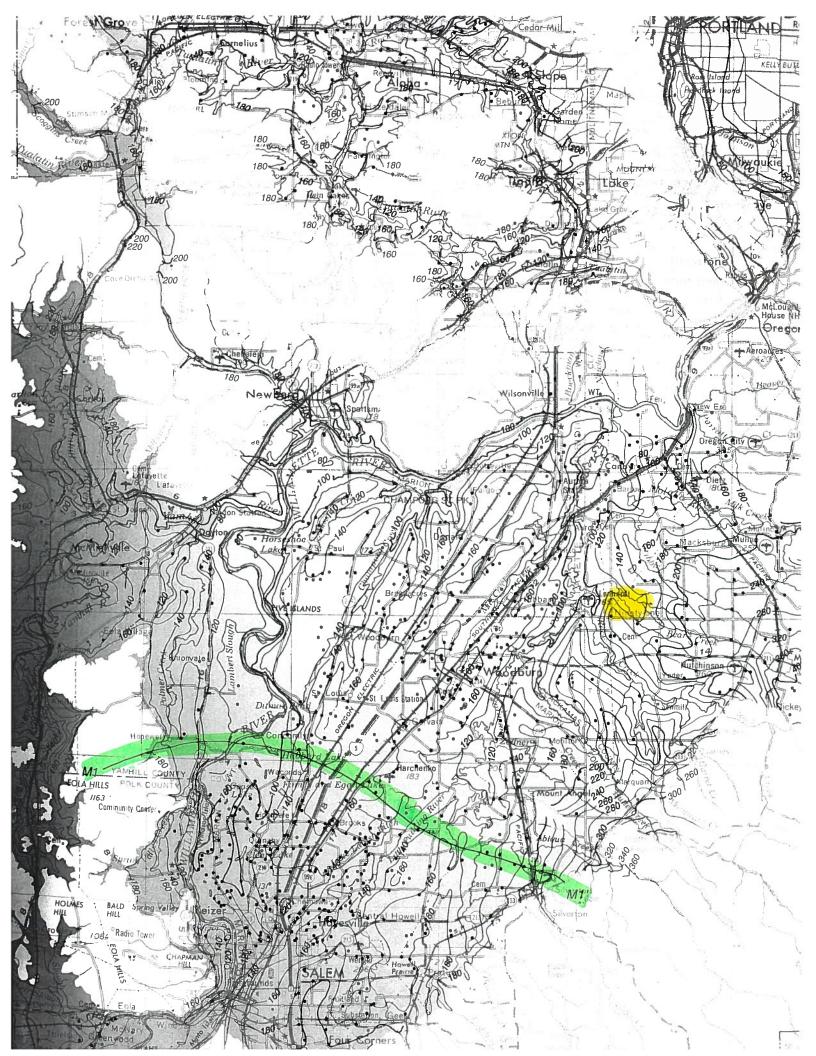
the Columbia River basalt aquifer. These percentages are a function of the exposed surface areas of the units and input recharge rates. Of the water entering the Willamette Silt unit through recharge in section M1-M1', approximately 76 percent discharges to the Willamette aquifer, 16 percent discharges to evapotranspiration, and 8 percent discharges directly to streams. Of the recharge to the Willamette Silt unit in section M2-M2', approximately 62 percent discharges to the Willamette aquifer, 32 percent is discharged by evapotranspiration, and 6 percent discharges to streams. These values again reflect higher evapotranspiration in section M2-M2'.

Flow budgets in the Willamette aquifer also are different for each section. Of the water that enters the Willamette aquifer in section M1-M1', 71 percent is derived from the Willamette Silt unit, 20 percent comes from the underlying Willamette confining unit, and 9 percent is from recharge. Of the water that enters the Willamette aquifer in section M2-M2', 73 percent is derived from the Willamette Silt unit, 3 percent comes from the Willamette confining unit, and 24 percent is from recharge. The largest differences between the two sections is the larger amount of water moving upward from the Willamette confining unit in section M1-M1'.

The volume of water moving through the Willamette confining unit depends on the presence or absence of the underlying Columbia River basalt aquifer. In section M2-M2', where the Columbia River basalt aquifer is absent, the only water moving through the confining unit is water moving downward from the overlying Willamette aquifer; this water eventually moves upward back into that overlying unit. This quantity represents only about 2 percent of the total flow in section M2-M2' (table 9). In section M1-M1', water that enters the Columbia River basalt aquifer through recharge in the basalt uplands moves into the overlying Willamette confining unit and eventually discharges to the Willamette aquifer. The quantity of water moving from the basalt represents 62 percent of the total flow in the Willamette confining unit and about 11 percent of the total flow in section M1-M1' (table 9).

#### REGIONAL WATER BUDGET

Long-term hydrographs for observation wells completed in the Willamette aquifer confirm that, on a regional basis, the aquifer is in equilibrium—the water table rises each winter/spring to about the same altitude. Therefore, long-term recharge is equal to longterm discharge, and the changes in storage are minimal. However, estimating or quantifying the various components of both ground-water recharge and ground-water discharge can provide a better understanding of the overall hydrology of the aquifer system. For example: (1) how much ground water in the southern Willamette



### Oregon Water Resources Department Water Rights Division

Water Rights Application Number G-15567

#### Proposed Final Order

Summary of applia of Recommendation: The Department recommends that application be denied.

Application History

PLACED IN U.S. MAIL

On JULY 25, 2001, JOEL NEUSCHWANDER submitted an application to the Department for the following water use permit:

- Amount of Water: 720.0 GALLONS PER MINUTE, BEING 500.0 GPM FROM WELL 1 AND 220.0 GPM FROM WELL 2
- Use of Water: NURSERY USE OF 176.29 ACRES
- Source of Water: TWO WELLS IN BEAR CREEK BASIN
- Area of Proposed Use: CLACKAMAS County within SECTION 32, TOWNSHIP 4 SOUTH, RANGE 1 EAST, W.M.

On February 1, 2002, the Department mailed the applicant notice of its Initial Review, determining that "The use of 1.6 CUBIC FEET PER SECOND (CFS), BEING 1.11 CFS WELL 1 AND 0.49 CFS WELL 2 of water from TWO WELLS IN BEAR CREEK BASIN for NURSERY USE OF 176.29 ACRES is not allowable, and it appears unlikely that you will be issued a permit." The applicant did not notify the Department to stop processing the application within 14 days of that date.

On February 19, 2002, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the proposed final order.

No written comments were received within 30 days.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- comments by or consultation with another state agency
- any applicable basin program
- any applicable comprehensive plan or zoning ordinance
- the amount of water available
- the rate and duty for the proposed use
- pending senior applications and existing water rights of

record

- designations of any critical groundwater areas
- the Scenic Waterway requirements of ORS 390.835
- applicable statutes, administrative rules, and case law
- any general basin-wide standard for flow rate and duty of water allowed
- the need for a flow rate and duty higher than the general standard
- any comments received

#### Findings of Fact

The Willamette Basin Program allows the use of water for nursery use.

TWO WELLS IN BEAR CREEK BASIN are not within or above a State Scenic Waterway.

The Groundwater Section finds, per OAR 390.835(9), there is not a preponderance of evidence that the proposed use of groundwater will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

The Department determined, based upon OAR 690-09, that the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely tributary to Bear Creek.

In accordance with OAR 690-33-330, an interagency team reviewed this proposed use for potential adverse impacts on sensitive, threatened and endangered fish populations. This team consisted of representatives from the Oregon Departments of Water Resources (WRD), Environmental Quality, Fish and Wildlife (DFW), and Agriculture. WRD and DFW representatives included both technical and field staff. The interagency team did not recommend that any additional conditions of use be imposed on this application.

An assessment of groundwater availability has been completed by the Department's Groundwater/Hydrology section. A copy of this assessment is in the file. The proposed use of groundwater will, if properly conditioned, avoid injury to existing rights and the resource.

Because the proposed use of water would have the potential with substantial interference with surface water, an assessment of surface water availability has been completed. This assessment compared a calculation of natural streamflow minus the consumption portion of all relevant rights of record. A copy of this assessment is in the file. This assessment determined that water is not available for further

appropriation (at an 80 percent exceedance probability) at any time of the year.

The proposed well is not within a designated critical ground water area.

#### Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The Willamette Basin Program allows the proposed use.

No preference for this use is granted under the provisions of ORS 536.310(12).

Water is not available for the proposed use.

The proposed use would not injure other water rights.

The proposed use complies with other rules of the Water Resources Commission not otherwise described above.

The proposed use is compatible with applicable land use plans.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

For these reasons, the required presumption has not been established.

The application therefore has been processed without the statutory presumption.

In this application, all criteria for establishing the presumption have not been satisfied, as noted above.

The Department therefore concludes that water **is not** available in the amount of water necessary for the proposed use; the proposed use would not result in injury to existing water rights; and the proposed use would not ensure the preservation of the public welfare, safety and health as described in ORS 537.525.

#### Recommendation

The Department recommends that the application be denied.

DATED April 19, 2002

Dwight French

Water Rights Section Manager

If you have any questions, please check the information box on the last page for the appropriate names and phone numbers.

Protest Rights and Standing

Under the provisions of 537.621(7), you have the right to protest this proposed final order. Your protest must be in writing, and must include the following:

- Your name, address, and telephone number;
- A description of your interest in the proposed final order, and, if you claim to represent the public interest, a precise statement of the public interest represented;
- A detailed description of how the action proposed in this proposed final order would impair or be detrimental to your interest;
- A detailed description of how the proposed final order is in error or deficient, and how to correct the alleged error or deficiency;
- Any citation of legal authority to support your protest, if known; and
- If you are not the applicant, the \$200 protest fee required by ORS 536.050 and proof of service of the protest upon the applicant.
- If you are the applicant, a statement of whether or not you are requesting a contested case hearing. If you do not request a hearing, the Department will presume that you do not wish to contest the findings of the proposed final order.
- If you do not protest this Proposed Final Order and if no substantive changes are made in the final order, you will not have an opportunity for judicial review, protest or appeal of the final order when it is issued.
- Persons other than the applicant who support the proposed final order may request standing for the purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order.
- Requests for standing shall meet the requirements described in OAR 690-310-160 and shall be accompanied by the \$50.00

standing fee established under ORS 536.050.

Your protest or request for standing must be received in the Water Resources Department no later than May 24, 2002.

After the protest period has ended, the Director will either issue a final order or schedule a contested case hearing. The contested case hearing will be scheduled only if a protest has been submitted and if

- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

This document was prepared by Jerry Gainey. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 1-503-378-8455 extension 458.

If you have questions about how to file a protest or if you have previously filed a protest and want to know the status, please contact Renee Moulun. Her extension number is 239.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 201.

Address all other correspondence to:

Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97310 Fax: (503)378-6203

Gaineyjw- WEEK 350

#### STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

#### **MEMORANDUM**

DATE:

10/30/2002

TO:

File G-15567

FROM:

Donn Miller, Hydrogeologist (503.378.8455 x205)

SUBJECT:

Well Enforcement Request Evaluation

I have spoken to Tracy Eichenlaub of enforcement, reviewed the captioned file and studied the request for enforcement on well construction letter dated 10/18/2002.

Malia and Gregory Kupillas wrote the request letter on behalf of the applicant, Joel Neuschwander. Most certainly, the request wishes to accomplish more than just well reconstruction at the driller's expense. The application seeks 720 gpm from two wells for nursery use. The application has been <u>impeded</u> based on my analysis of gw/sw interactions per basin rule and division 9 assessments and surface water availability limitations. From the letter, I must assume that the request is ultimately part of the permitting objective of the application.

If the real interest is permitting, I will jump ahead to that issue. I am not confident that the reconstruction solves the permit issuance problem. I indicated in my email to Malia on July 22, 2002 that the well construction issue is separate from the division 9 issue (sw/gw interaction assessment). Based on the request and my reconsideration of the file, I confirm that position. Development will interfere with surface water flows in Bear creek and the nearby tributary. I conclude that the proposed well reconstruction will not be sufficient for the application to obtain a favorable gw/sw interaction assessment per division 9.

In my view, there is some merit in the request for accomplishing proper well construction. Frankly, the cross-sectional analysis doesn't do much for me. The upper aquifer/lower aquifer matter is still debatable. My focus would be on the internal inconsistencies on the well reports. For well #1 (CLAC 12700), what's the deal with first water at 31 feet, two water bearing-zones with 30' swl's and the resulting swl of 29 feet. Based on that, the perceived well misconstruction would seem to be improper sealing off an upper aquifer. For well #2 (CLAC 51287), how do you get first water at 40 feet, seal to 50 feet, take from that first water unit (38-54 feet) and deeper units, and get a final swl of 47 feet? Some commingling seems to be occurring at face value. The well start and completion dates seem odd but could play into the construction issue somehow. I have no views on the matter of continued driller responsibility.

Taking these matters as a whole, the outlook for ground water permitting is bleak and the well reconstruction matter is pretty much off point to that.

#### Pacific Hydro-Geology Inc.

18477 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016 RECEIVED

OCT 2 1 2002

WATER RESOURCES DEPT. SALEM, OREGON

October 18, 2002

prop devied substantial interference telled to Down 10-28, he'll telk w/ Fred

Oregon Water Resources Ms. Tracy Eichenlaub 158 12<sup>th</sup> Street NE Salem, Oregon 97310-0210

Re:

Request for enforcement on well construction for two wells proposed for use under Water Right Application G-15567

Dear Ms. Eichenlaub:

The purpose of this letter is to submit information on behalf of Mr. Joel Neuschwander, the applicant for ground water Application G-15567, for an evaluation of the construction of two wells (CLAC 12700 and CLAC 51287). If the construction of these two wells (Neuschwander wells) is found to be in violation of state laws, we would request enforcement action against the driller who constructed the wells. The Department has recommended that Application G-15567 be denied because of potential interference with nearby streams. This determination is documented in Proposed Final Order dated April 9, 2002, in which the Neuschwander wells are identified as Well 1 (CLAC 12700) and Well 2 (CLAC 51287).

We have reviewed the well construction reports for the two wells and have determined that the wells were not properly sealed to prevent commingling of groundwater between the uppermost water-bearing zone(s) and the deeper, water bearing intervals over which the wells are screened. Copies of the Water Well Reports for these two wells (CLAC 12700 and CLAC 51287) are attached. Figure 1 shows the locations of the Newschwander wells and several other wells we have identified in the area. Cross sections including the two Neuschwander wells and three other wells (CLAC 12730, CLAC 12739, and CLAC 12727) are shown on Figures 2 and 3 to provide a picture of the subsurface geology. Figure 1 shows the locations of the cross-sections.

Based on our review of the well logs for the Neuschwander wells and other wells in the surrounding area, we believe there is a continuous layer of clay and/or silt that separates an upper, water-bearing strata from a deeper aquifer throughout the area surrounding the two wells of concern. The locations of the wells we have identified in the area are shown on Figure 1. Table 1 provides information from the logs for the wells shown on Figure 1, including the thickness and approximate elevation of the clay layer identified. Copies of the well logs are attached with this letter. Elevations for these wells have been estimated from a U.S.G.S. topographic map.

Figure 2 (Cross Section A-A') shows the Tocher well (CLACK 12730) obtains water from the upper aquifer, with the bottom of the well ending in the clay that can be identified in both Neuschwander wells and other wells in the area. The driller noted in both Neuschwander wells that water was first encountered in the first gravel that correlates with the upper aquifer. In Well 1 (CLACK 12700), water was first encountered at 31 feet. In Well 2 (CLACK 51287), water was first found at 40 feet. The driller did not report a static water level for the upper aquifer in the log for Well 1, and he reported a single static water level for all the water bearing zones in Well 2. Based on elevations, it appears the upper aquifer is connected with Bear creek, located to the northwest of Neuschwander Well 1, and the unnamed stream located between the two Neuschwander wells. Therefore, the upper aquifer would be expected to have a different static water level than the deeper aquifer. Recent studies by the Department in the Willamette Basin have identified that there are separate aquifers having different static water levels within the Willamette Valley alluvial aquifer system. However, some drillers continue to report one static water level measurement for all the zones.

Based on recent discussions with Fred Lissner and Donn Miller, we believe that the ground water application would be approved if the upper water-bearing strata in these two wells could be isolated from the deeper water bearing zones by the placement of properly constructed well seals. Therefore, the potential for interference with nearby streams is a function of the construction of the two Neuschwander wells.

Our determination that these wells are improperly constructed is based on the following:

**Neuschwander Well 1 (CLAC 12700).** The driller reported first encountering ground water at a depth of 31 feet below land surface (bls). This first encountered ground water appears to occur within a thin layer of sand at a depth of 31 feet bls. A cemented gravel is also noted in the log from 42 feet to 63 feet. Based on the logs from other wells in the area, we understand that the cemented gravel serves as a source of ground water for shallow wells. Therefore, it appears that there is an upper aquifer in this well between 31 and 63 feet bls that may be connected with the nearby streams. The driller did not report a static water level for this apparent water-bearing zone.

According to the log, the primary water bearing zones occur from 82 to 102 feet bls and from 115 to 132 feet bls, corresponding to the lower aquifer. The driller noted the same static water level of 30 feet bls for both of these intervals. The two primary water-bearing intervals are separated from the overlying cemented gravel (upper aquifer) by a 19-feet-thick layer of clay and silt that extends from 63 feet to 82 feet bls. The well is perforated over the interval of 88 to 150 feet bls; however, the well seal was placed only to a depth of 20 feet bls. Therefore, the well seal does not extend into the clay and silt layer, nor does it adequately seal off the shallow water-bearing zone(s) which occur from 31 to 63 feet bls. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

**Neuschwander Well 2 (CLAC 51287).** The driller reported first encountering ground water at a depth of 40 feet below land surface (bls). This first encountered ground water appears to occur within a layer of cemented gravel found at depths between 38 and 54 feet bls (this cemented gravel appears to correspond with the cemented gravel layer in Well 1 from 42 to 63 feet bls and, therefore, represents the upper aquifer). The driller did not report a static water level for this water-bearing zone.

The driller reported the water-bearing zone from 40 to 140 feet bls. Based on the perforated interval, from 76 to 119 feet bls, it appears that the primary water-bearing deposits in this well include the sands and gravels which occur between 60 and 95 feet (lower aquifer). These sand and gravel layers appear to correspond to the primary water-bearing zones identified by the driller in Well 1. Also, as in Well 1, these sands and gravel units are separated from the overlying cemented gravel by a 6-feet-thick layer of clay which extends from 54 to 60 feet bls. The well seal was placed only to a depth of 50 feet bls. Therefore, this seal does not extend into the clay layer (54 to 60 feet bls) that separates the upper, water-bearing cemented gravel from the deeper sands and gravel which serve as the primary water-bearing aquifer for this well. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

We request that you review the well construction details of the two wells (CLAC 12700 and CLAC 51287) together with the cross-sections, tabulated well data, and well logs attached with this letter and make a determination whether enforcement action is warranted.

Please call Malia Kupillas, Pacific Hydro-Geology Inc., at (503) 632-5016 if you have any questions.

Sincerely,

Malio R. Kupillas

Malia R. Kupillas R.G., C.W.R.E.

Gregory E. Kupillas, R.G., C.W.R.E.

Attachments: Figure 1 - Well and Cross Section Locations

Figure 2 - Cross-Section A-A' Figure 3 - Cross-Section A'-A"

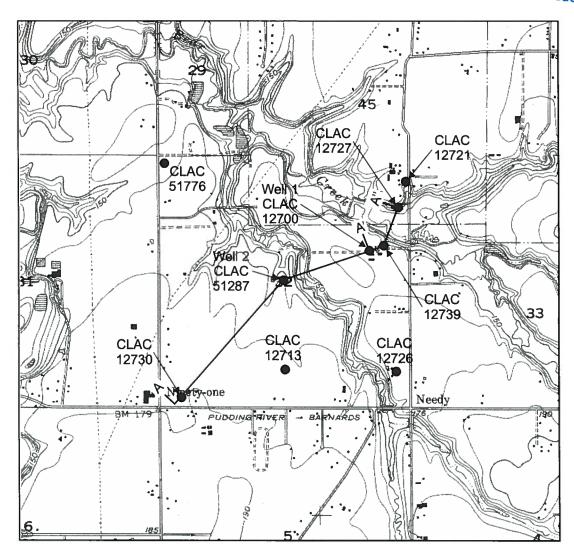
Table 1 - Well Log Data for Neuschwander Wells and other Are Wells Water Well Reports for Neuschwander Wells and other Wells in Vicinity

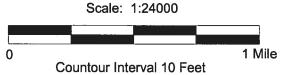
cc: Donn Miller, Oregon Water Resources Department Joel Neuschwander





OCT 2 1 2002 WATER RESOURCES DEPT. SALEM, OREGON



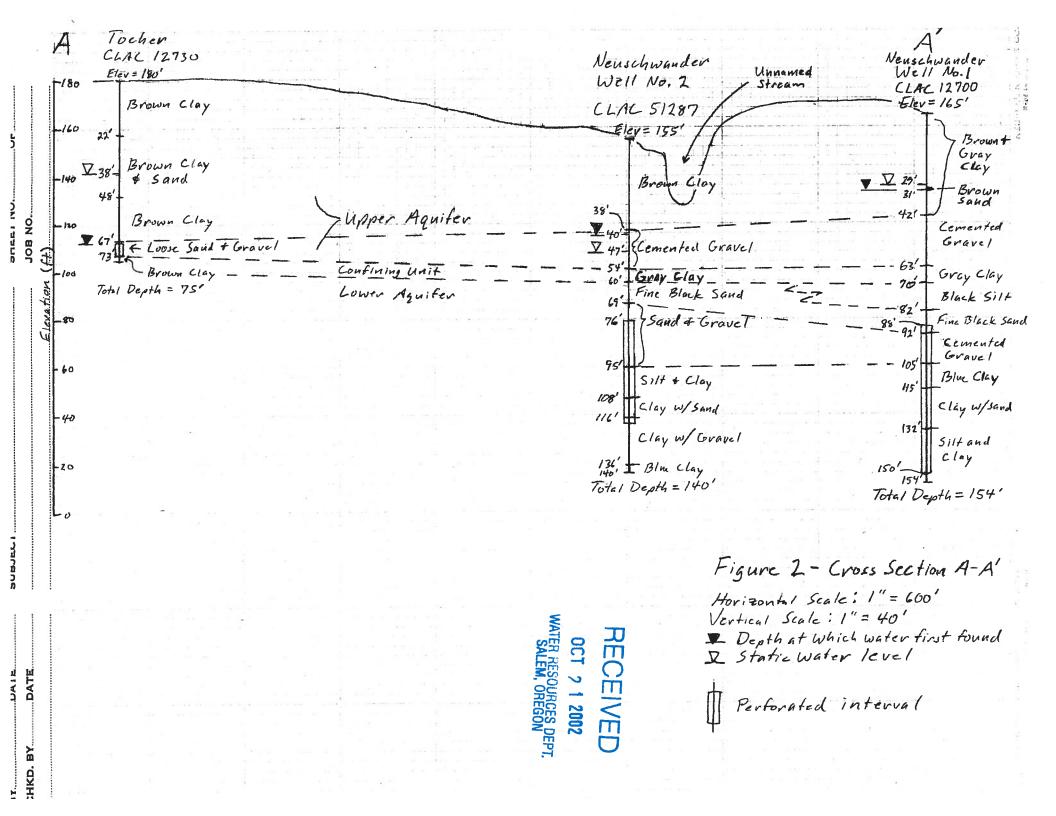


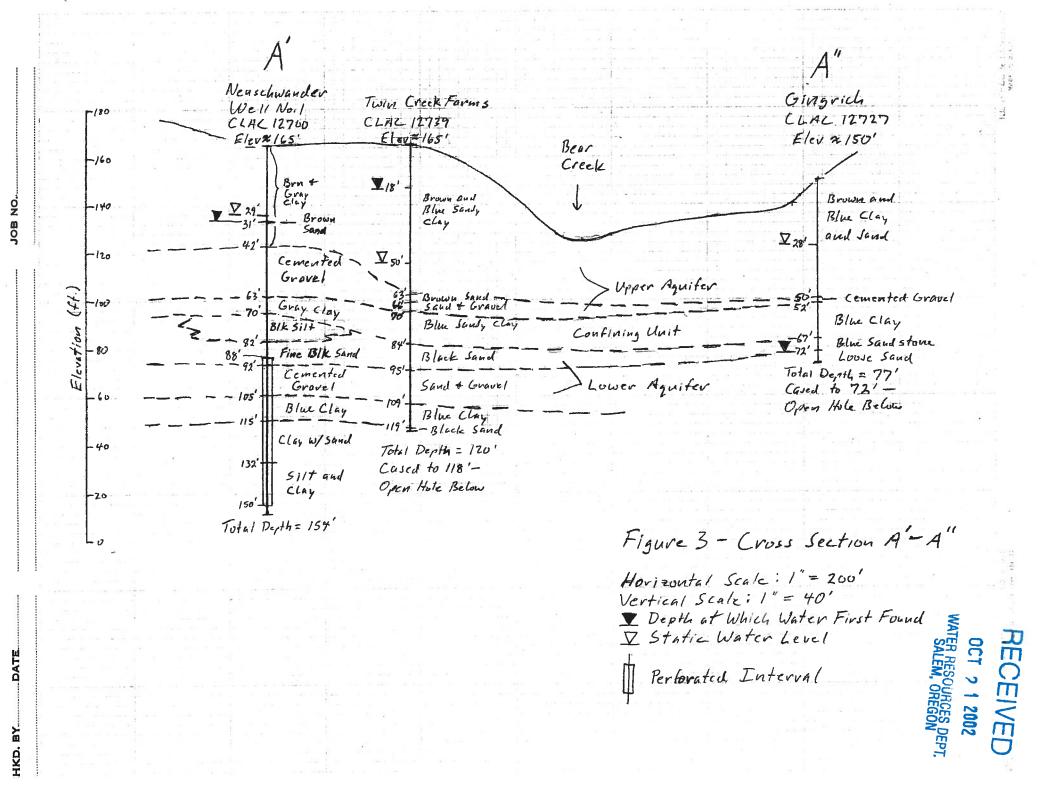
Source: USGS 7.5 Minute Topographic Survey Map of Yoder Quadrangle, Oregon, 1955 (Photorevised 1985)



Joel Neuschwander Application G-15567 T.4S. R.1E Section 32

Pacific Hydro-Geology Inc.





OCT > 1 2002

Table 1. Well Log Information for Neuschwander Wells and Other Wells in Vicinity

						Estimated Elev.	Estimated Elev.	Thickness of
]		Legal/	Tax Lot	Owner	Estimated Well	at top of Clay	at bottom of Clay	Clay Confining
Well Log	J.D. No.	Map No.	Number	Last Name	Head Elevation (ft)*	Confining Unit (ft)	Confining Unit (ft)	Unit (ft)
CLAC	12700	4 1E 32	903	Neuschwander	165	102	95	7
CLAC	51287	4 1E 32	900	Neuschwander	155	101	95	6
CLAC	12730	4 1E 32	1505	Tocher	180	107	Unknown	Unknown
CLAC	12713	4 1E 32	1507	Hansen	175	111	81	30
CLAC	12726	4 1E 32	1300	Galer	170	<100	Unknown	Unknown
CLAC	12739	4 1E 32	901	Hansen (now	165	95	81	14
				Neuschwander)				
CLAC	12727	4 1E 32A	100	Gingrich	150	98	83	15
CLAC	12721	4 1E 32	207	Hunnicutt	180	<117	Unknown	Unknown
CLAC	51776	4 1E 32	51776	Martishev	155	81	58	23

<sup>\*</sup> Elevations are estimated from U.S.G.S. Topographic Map: Yoder Quadrangle, Oregon 7.5 Minute Series, 10-foot contour interval.

#### RECEIVED TREESENEED

STATE OF OREGON 2002 WATER WELL REPORT (as required to the contract of the con JUN 97 1988 ED DECOLIDEES DEDT (1) OWNER: SALEM, OREGO S.WellymbareGON Name OF Address 6059 HUBBAND (2) TYPE OF WORK: New Well Deepen Recondition -☐ Abandon (3) DRILL METHOD ☐ Rotary Air Cable. Rotary Mud Other\_ (4) PROPOSED USE: Community ☐ Industrial Irrigation Thermal Other\_ ☐ Injection BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 154 ft No . . . . Explosives used Type : HOLE Amount To GRANUA From To 20 How was seal placed: Method A B C D B B Other SRANGLAR SENTENITE METHOD Backfill placed from \_\_\_\_\_ft. to \_\_ .ft. to *90* Gravel placed from 25 ft. Size of gravel (6) CASING/LINER: Diameter , From To Gauge Steel Plastic Welded Threaded 154 .250 4 П Casing: Liner ocation of shoe(s) (7) PERFORATIONS/SCREENS: DRIVE DOWN Perforations Method \_\_\_ ☐ Screens Type .. Material Slot Tele/pipe Number, Diameter To Casing Liner 150 (8) WELL TESTS: Minimum testing time is 1 hour Flowing Artesian Air. ☐ Pump ☐ Bailer Yield gal/min Drawdown Drill stem at Time Soo Pump 1 hr. 200

Temperature of water

Depth of strata:

Was a water analysis done?

(9) LOCATION OF WELL by legal description:  County ACKAMAGINE Longitude  Township 45 Nor S, Range 16 E or W, WM.  Section 32 W SE W  Tax Lot Lot Block Subdivision.  Street Address of Well (or nearest address)  S. NEES Y B CAUSY  (10) STATIC WATER LEVEL:  29	12700 Vell 1 S	ne	TCA	120				
County CACKAMAGINNE Longitude Township 45 Nor S, Range 16 E or W, WM. Section 32 W SE W  Tax Lot Lot Block Subdivision.  Street Address of Well (or nearest address)  S, NEED Y D CAUSY  (10) STATIC WATER LEVEL:  29 ft. below land surface.  Artesian pressure lb. per aquare inch. Date  (11) WATER BEARING ZONES:  Depth at which water was first found  From To Estimated Flow Rate SWL  82 102 800 6 PM = 30  115 132 SB0 6 PM = 30  (12) WELL LOG: Ground elevation  Material From To SWL  Solc 1 3 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Bear 37  Clay Green Scale 92  Cements Sulfer Species 92  Clay Green Species 105  Clay Green 115  Clay Green 15  Clay Green 175  Cl	75//	-	52	1				
Township 45 Nor S, Range								
Street Address of Well (or nearest address)  S. ABEBY B CAUSY  (10) STATIC WATER LEVEL:  29 ft. below land surface.  Artesian pressure   1h. per square inch.  (11) WATER BEARING ZONES:  Depth at which water was first found  From   To   Estimated Flow Rate   SWL    \$2   102   \$00 6 pm = 30    1/5   /32   \$50 6 pm = 30    (12) WELL LOG: Ground elevation  Material   From   To   SWL    Solic   1   3    Clay Blown   3   3    Clay Blown   3   3    Clay GREY   42   63    Clay OK GREY   63   70    SAND BLACK FINE   82   92    CLAY BLUE STICKEY   105   115    CLAY GREEN   105   115    CLAY GREEN   105   115    SAND LAYELS   115   132    SAND L	waship 45 Nor S, Range 16 tion 32 4 56	···	_E or W,	WM.				
(10) STATIC WATER LEVEL:  29 ft. below land surface. Artesian pressure   h. per square inch.  (11) WATER BEARING ZONES:  Depth at which water was first found  From   To   Estimated Flow Rate   SWL    \$2   102   \$00 GPM = 30    (12) WELL LOG: Ground elevation    Material   From   To   SWL    \$01C   1   3    C(A) Beach   31   42    Cane Fresh Grave   42   63    C(A) Dr. Ground Grave   42   63    C(A) BLOCK   70   82    SAND BLOCK FINE   82   92    CEMENTED GRAVE   92   105    C(AY GREY W) GLEY   105   115    C(AY GREY W) GLEY   105   115    C(AY GREEN   132   144    SAND GREY   105   115    C(AY GREEN   132   144    SILT DARK BROWN: 144   147	Street Address of Well (or negreet address)							
Artesian pressure b. per square inch. Date  (11) WATER BEARING ZONES:  Depth at which water was first found  From To Estimated Flow Rate SWL  \$2 102 \$00 6 pm = 30  115 132 \$30 6 fm = 30  (12) WELL LOG: Ground elevation  Material From To SWL  Soll 1 3  Clay Blow 3 3/ SAND Blow 3/  Clay OKEY 63  Clay OK GREY 63 70  WIT BLACK FINE 82 92  CLAY BLOW 62  SAND BLACK FINE 82 92  CLAY BLOW 15 115  CLAY GREY W/ GLEY 105 115  CLAY GREY W/ GLEY 115 132  SAND GREY W/ GLEY 115 132  SAND GREY W/ GLEY 115 132  SAND GREY W/ GLEY 115 132  SAND GREY W/ GLEY 115 132	(10) STATIC WATER LEVEL:							
From To Estimated Flow Rate SWL 82 102 800 6PM = 30  115 132 500 6PM = 30  115 132 500 6PM = 30  115 132 500 6PM = 30  115 132 500 6PM = 30  115 132 500 6PM = 30  115 132 500 6PM = 30  115 130			/ /					
From To Estimated Flow Rate SWL  \$2 107 \$00 6PM = 30  115 132 \$80 6PM = 30  115 132 \$80 6PM = 30  (12) WELL LOG:    Material   From To SWL   Solic   1 3   31    Cay Brown   3 31    SAND BROWN   31 31    Cay Green   42 63    Cay Dr Grey   63 70    With Brock Fine   82 92    Cemented Grave   92 105    Cay Broke   92 105    Cay Broke   105 115    Cay Green   105 115								
(12) WELL LOG: Ground elevation    Material   From To SWL		d Flow	Rate	SWL				
(12) WELL LOG:    Material   From To SWL				30				
Material From To SWL  Soll I 3  CLAY BROWN 3 31  SAND BROWN 31 31  CLAY GREY 31 42  CEMENTED GRAVEL 42 63  CLAY DK GREY 63 70  NIT BLACK 70 82  SAND BLACK FINE 82 92  CEMENTED GRAVEL 92 105  CLAY BLUE STICKY 105 115  CLAY GREY W/ GREY 115 132  SAND LAYERS  CLAY GREEN 132 144  SILT DARK BROWN: 844 147	5 /32 500	SPA	4 7	30				
Material   From   To   SWL	WELL LOG: Ground elevation							
SOIL  CLAY BROWN  SAND BROWN  SAND BROWN  CLAY BREY  CEMENTED BRAVEL  CLAY DK GREY  GO 70  SILT BLACK  SAND BLACK FINE  SAND BLACK FINE  CEMENTED BRAVEL  CLAY BLUE STICKEY  CLAY BLUE STICKEY  CLAY GREY W/ GREY  CLAY GREEN  SAND LAYERS  CLAY GREEN  SILT DARK BROWN.  144 147		rom	То	SWL				
SAND BROWN  CLAY GREY  CEMENTED GRAVEL  CEMENTED GRAVEL  CLAY DK GREY  G3 70  SIT BLACK  FINE  SAND BLACK FINE  SEMENTED GRAVEL  CEMENTED GRAVEL  CLAY BLUE STICKEY  CLAY GREY W/ GREY  CLAY GREEN  CLAY GREEN  SILT DARK BROWN.  SYY 147				00				
CLAY BREY CEMENTED GRAVEL  CLAY DK GREY  CLAY DK GREY  G3 70  SLIT BLACK  FINE  82 92  CEMENTED GRAVEL  G2 105  CLAY BLUE STICKEY  CLAY GREY W/ GLEY  CLAY GREEN  CLAY GREEN  SILT DARK BROWN.  844 147								
CEMENTES GRAVEL 42 63 CLAY DK GREY 63 70 SILT BLACK 70 82 SAND BLACK FINE 82 92 CEMENTES GRAVEL 92 105 CLAY BLUE STICKEY 105 115 CLAY GREY W/ GLEY 115 132 SAND LAYERS CLAY GREEN 132 144 SILT DARK BROWN. 844 147	1 / 4 - 1	$\overline{}$						
CLAY DK GREY  SILT BLACK  SAND BLACK FINE  SERVICE STOCKEY  CLAY BLUE STOCKEY  CLAY GREY W/ GLEY  CLAY GREEN  CLAY GREEN  SILT DARK BROWN.  844 147		, ,	42					
SILT BLACK 70 82  SAND BLACK FINE 82 92  CEMENTED GRAVEL 92 105  CLAY BLUE STICKEY 105 115  CLAY GREY W/ GLEY 115 132  SAND LAYERS  CLAY GREEN 132 144  SILT DARK BROWN: 144 147			70					
CEMENTES GRAVEL 92 105 CLAY BLUE STICKEY 105 115 CLAY GREY W/ GREY 115 132 SAND LAYERS CLAY GREEN 132 144 SILT DARK BROWN: 144 147	T Beack 7		-					
CLAY BLUE STICKY 105 115 CLAY GREY W/ GREY 115 132 SAND LAYERS CLAY GREEN 132 144 SILT DARK BROWN. 844 147								
CLAY GREY W/ GREY 115 132 SANG LAYERS 132 144 CLAY GREEN 132 144 SILT DARK BROWN. 844 147			_					
SAND LAYERS  CLAY GREEN 132 144  SILT DARK BROWN. 844 147								
CLAY GREEN 132 144 SILT DARK BROWN. 844 147	AND LAVERS		د عد					
		72	146					
CLAY BLUE GREEN 147 154	T DARK BROWN. 34	64	147					
	A BLUE GREEN 19	77	154					
ZUITIALLY PERFORAGED, 115 to 150 1 AUS	TIALLY PERFORATED, 115 +	01	50/2	wa				
PRODUCED 150 7 PM, total. They GRAVE	MICES 150 7 PM, total. II	hea	6	AUEC				
PACKED 75-102 & 115-132, perdonat	(E) 75-102 & 115-132	,	pero	onere				
WITH ZI DRAW DOWN.	21 DRAW DOWN.		300	Spree				
		$\neg$						
Date started 5/13/68 Completed 5/25/66	ed 5/13/88 Completed S	125	188					
(unbonded) Water Well Constructor Certification:	ded) Water Well Constructor Certification:							
I certify that the work I performed on the construction, alteration, of abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.								
Signed Date			ober					
(bonded) Water Well Constructor Certification:								
I accept responsibility for the construction, alteration, or abandonmen work performed on this well during the construction dates reported above, all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.	cept responsibility for the construction, alterated on this well during the construction data formed during this time is in compliance tion standards. This report is true to the best	tes reg e wit of my	ported a h Oreg knowle	bove, all				
Signate Land Date 25/88			pber C	F8				

YELLOW COPY

DeptiArtesian Flow Found

Yes By whom

Did any strata contain water not suitable for infended use? 

Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

WHITE COPIES - WATER RESOURCES DEPARTMENT

PINK COPY - CUSTOMER

9809C 10/86

# RECEIVED Well 2

TAG # LOZOTS

STATE OF UNE COLESCURCES DEPCLAC WATER SUPPLY WELL REPORT 5/287 (as required by ORS 537.765)

JAN - 9 1997

62424 CTAPT CAPD) #

THIRD COPY-CUSTOMER 7

	(as req Instruct	prired by C lons for	RS 537. complet	765) ting this rep	ort are on th	ne last pa	ge of this	ATER RI	SOURCES DEPT.	(SIARI CALO) # 2			
	(1) OWN						ır		(9) LOCATION OF W				
	Name I	Meuschi	us refer	's Nurse	ry				County CLACKAMA			itude	
				skey Hill					Township 45	N or S Range_	<u>ie                                      </u>	_ E or W	. WM.
-		0.00			State	Or	Zip 9	7032	Section 32  Tax Lot 900 Lo	Se_ 1/4_	No.	1/4	
	(2) TYPE								Tax Lot 900 Lo	t Block	Sub	division_	
,	(2) IIFE		ind	- □ Alterat	ion (repair/re	condition	) [ Aband	lonment	Street Address of Well	(or nearest address) _			
	(3) DRIL	MET	HOD:		1011 (1-t)		<u>، د د د د د د د د د د د د د د د د د د د</u>		29435 S Need	v Rd			
				Mud X	Cable [	Auger		i	(10) STATIC WATER				
		Alf [	Tromi	Mind [V]	Calone 1	,,			47ft. belo		D	ate <u>Sep</u>	10, 199
	Other	ACED	TICE.						Artesian pressure		re inch. D	ate	
			USE		Industrial	( Ini	estion		(11) WATER BEARI	NG ZONES:			
	Domest		_		Livestock				<b>(</b> )				
~	Therms	d L	Inject	ion	Tivestock		er		Depth at which water was	first found 40			
	(5) BOR	E HOL	E CO	VSTRUCT	TM- Dth	of Comm	lated Wall	1AO ft	Dopar at William Water Water				
	Special Co	enstructio	n appro	wal   Yes [	No Depth	or Comp	MODEL MET	140_1	From	To	Estimated	Flow Rate	SWL
			_] Yes [	No Type		Am	Juliu	<del></del>	40	140			47
		OLE			SEAL	_	gh		1				
	Diameter 12	From	T0	Materia Rentoni	te   i	50° I	Sacks or po	sacks		-			
	8		140		<del>-   -</del> -	-				<del></del>			
	<u>-</u>	30							<del></del>				
									(12) WELL LOG:	D			
							с 🗆 р	☐E	Ground	Elevation	<del></del>		
	(C) Othe	er <u>Gran</u>	ular	<u>Bentonit</u>	e method				Materia	1	From	To	SWL
	Backfill p	laced fro	m	ft. 10	ft.	Materia			Soil		1	3	
					20 ft.	Size of	gravel nea				3	38	
	(6) CAS								Clay, Brown	-1 hanva		54	
	, I	Diameter	From	n To C	Sauge Steel	_		Threaded		el, brown	54	58	
	Casing		10	140					Clay, grey			60	
	_		<u> </u>							sandy		69	
							П			fine	69	71	
	_									el, hlack	71	74	-
	Liner:				🗆					vel, sand			+
									Sand & grave		74	95 98	<del>                                     </del>
_	Final loca	tion of s	hoe(s)_	140					Clay, blue		95		+
	(7) PER	FORA	TIONS	SCREEN	Brive Do	4D				silty	98	101	┼
		rforations	. 1	Method					Silt, dark o		101	108	<del> </del>
	☐ Sci		•	Туре		Mat	erial		Clay w/black	coarse sand	10B	116	+-+
			Slot	Number	Diameter	Tele/pip	e Casing	Liner		/some cemented	oravelil6	136	┼
	75°m	117	118	8 600	4		_ <u>^</u>		Clay, blue		136	140	+
							_ □					<del> </del>	+
					<u> </u>		_ □			<u>h gravel feed e</u>	scu side o	4	+
						<del>  </del>	_ □		8 inch well			+	+
					<u> </u>	1	_ □					<del> </del>	<del> </del>
									GRIOUS	t 8, 1996 Co		ec 10, 1	996
	(8) WE	LLTES	STS: N	Ainlmum t	esting time	is 1 hou	ır		Date statues		III hacaca		
								wing	(unbonded) Water Wel				handrament
	□Pu	mp		Bailer	Air		☐ Art	tesian	of this well is in complic	I performed on the co	er sunniv Wali a	onstruction	standards.
	Yield	gal/min	D <sub>1</sub>	rawdown	Drill st			Time	Materials used and infor	mation reported above	are true to the	best of my	knowledge
			<u> </u>		air li	ne e		1 hr.	and belief.		mmo N		
	220				105		4 hr				WWC No		
					<u> </u>				Signed			Date	
	Tempera	uure of w	vater_5	3	Depth Artes	ian Flow	Found		(bonded) Water Well C			Lda	
	Was a w	ater anal	ysis don	ne?	Yes By who	-			I amend on this wall t	y for the construction,	osmones seich r	anove. All	WOIL
	Did any	strata co	ntain W	ster not suits	ble for inten	ied use?		little	I mentage and describe the ti	me is in compliance W	nih ()regon Will	et subbiv w	CH .
	Saltv	Mu	ddy [	Odor [	Colored	Other			construction standings.	This report is the to	he best of my k	nowledge a	C/7
	Depth o		- tn						Signed Signed	1.11.1	wwc N	umber	Hon
	•								Signed   College	W VI LUC	_	Date 🛃	7/7/

OBJECTIVAL & EIDET COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR

The original and first copy of this report are to be	LL REPORTE CEIVED	11	1	
STATE ENGINEER SALEM OFFICIN 9780 4 5 1 1 0 0	FOREGON JANO 4 107 State Well No	<u>. 75</u> ,	115	32c
	pe or print)	No.		200
(Do not write a	ATER RESOURCES DEPT. SALEM OBECON	741	C05	***************************************
(1) OWNER:	(10) LOCATION OF WELL:	121	<u> </u>	
Name DICK TORHER	County LACKAMAS Driller's well		27/	•
Address JIII S BERVAROS RD.	SW 45W 4 Section 32 T. 45	number 1 A	- 10 -	
CANDY DREGON	Bearing and distance from section or subdiv	EL 15		W.M.
(2) TYPE OF WORK (check):	menting and distance from section of subdiv	sion corn	er	<del></del>
New Well Deepening Reconditioning . Abandon				
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed	well.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found	67		. ft.
Rotary Driven Domestic Mindustrial Municipal Domestic Mindustrial Municipal D		surface.	Date //	10/77
Dug	.2		-	<del></del>
CASING INSTALLED: Threaded   Welded M	(18)			
6 " Diam. from 0 ft. to 68 ft. Gage 250"	(12) WELL LOG: Diameter of well			
" Diam. fromft. toft. Gage	Depth drilled 5 ft. Depth of com			5 ft.
ft. toft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each strat	um and a	dirifer ne	hatestar
PERFORATIONS: Perforated?   Yes   No.	with at least one entry for each change of form position of Static Water Level and indicate pri	ation Rev	ort each	ohanaa in
Type of perforator used	MATERIAL.	7		
Size of perforations in. by in.	TOP SOIL	From	2	SWL
perforations from ft. to ft.	BROWN CLAY	1 2	72	
perforations from ft. to ft.	BROWN (LAY AND	1	-	
perforations from ft. to ft.	SAND	22	48	
(7) SCREENS: Well severe tratellade of Year 5 Year	BROWN CLAY	48	67	
(1) SCREENS: Well screen installed? E Yes No Manufacturer's Name Orioscol	LOOSE SAND AND			
TypeModel No.	GRAVE	67	73	38
Diam. 5 Slot size 45 Set from 68 ft. to 73 ft	BROWN CLAY	73	75	
Diam. Slot size Set from ft. to ft.		+		
(8) WELL TESTS: Drawdown is amount water level is	DEOEU			
roweled below static level	RECEIVED			
Was a pump test made?  Yes No If yes by whom?				
Yield: gal./min. with ft. drawdown after hrs.	OCT 2 1 2002			
" "	. WATER RESOURCES DEPT	(2)		
" " " " " " " " " " " " " " " " " " " "	SALEM, OREGON	+		
Bailer test 15 gal./min. with 12 ft. drawdown after hrs.		<del>                                     </del>		
Artesian flow g.p.m.				
nperature of water Depth artesian flow encounteredft	Work started 1/6 1977 Complete	ted 1/1	5	1977
(9) CONSTRUCTION:	Date well drilling machine moved off of well	. 1	10	19 77
Well seal-Material used BENTONITE	Drilling Machine Operator's Certification			
Well sealed from land surface to	This well was constructed under my	4	super	vision.
Diameter of well bore to bottom of seal 10 in.	Materials used and information reported best knowledge and belief.	above a	re true	to my
Diameter of well bore below sealin	[Signed] OCKelly	Date J	12	1977
Number of sacks of cement used in well seal sacks	(Dritting Machine Operator)	1	スつ	2
Number of sacks of bentonite used in well seal	Drilling Machine Operator's Lidense No.	***************************************	<u> </u>	<u></u>
Number of pounds of bentonite per 100 gallogs	Water Well Contractor's Certification:			
of water 260 lbs./100 gals.	This well was drilled under my turied	iction an	d this re	eport is
Was a drive shoe used? A Yes No Plus Size: location ft.	and to the best of my knowledge and be	lief.	0	
Did any strata contain unusable water?   Yes No	Name (Person, firm or corporation)	ing	pe or prin	t)
Type of water? depth of strata	Address 6350 SE BROWNLE		LLUAL	
Method of sealing strata off	[Signed]	10		0 1 4 5 TEL
Was well gravel packed? ☐ Yes No Size of gravel:	[Signed]	actor)	*	
Gravel placed fromftft	Contractor's License No. 462. Date	1/12		. 19.77
(USE ADDITIONAL SH				, 40

TO THE THE WELL CO PAETS E IVE	ELL REPORT CLAC			
of this report are to bill OCT - 4 1971 WAVER WI	ELL REPORT	41	1-3	2
OCT 2 1 Hed with the OCT - 4 1971 STATE OF STATE OF WATER RESIDENCE STATE OF STATE O	F OREGON	- 71		
WATER RESUME STATE ALEM. OF CONTROL Write SALEM. OF CONTROL Write	above this line) State Permit	No	**************	
(1) OWNER:	(10) LOCATION OF WELL:			
Name Don Hanson - Twin Creek Farms Address Rt. Box 340, Canby, Ore. 97013	County Clackamas Driller's well	number		
Address V. Doz J+U, Camby, Ore. 97015	4 % Section 38 T. 4S	R. 1	E	W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivi	sion corn	er	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐				
If abandonment, describe material and procedure in Item 12.				
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed	well.		
Rotary 🗖 Driven 🗆	Depth at which water was first found 60			ft.
Cable   Jetted   Domestic   Industrial   Municipal   Dug   Bored   Irrigation   Test Well   Other	. Zt. Delow land	surface.	Date	
Other	Artesian pressure lbs. per squa	re inch.	Date	
CASING INSTALLED: Threaded  Welded	(12) WELL LOG: Diameter of well			11
12 " Diam from 0 ft to 155 ft Gage .250	Depth drilled 345 ft. Depth of comp			2
Tt to	Formation: Describe color, texture, grain size and show thickness and nature of each stratu	e faces on		
PERFORATIONS: Perforated?   Yes  No.	with at least one entry for each change of forms position of Static Water Level and indicate print	stion Daw	Tana Amar	
Type of perforator used	MATERIAL	From	To	
Size of perforations in. by in.	Topsoil-Brown	0	3	SWL
perforations from ft. to ft.	Clay-Brown	3	20	
perforations fromft. toft.	Clay-Blue	20	60	
perforations fromft. toft.	Clay-Bl-Sandy-Blk-Fine-	60	64	
(7) SCREENS: Well screen installed? Z Yes No	Water trace			
Manufacturer's Name ROSSCO Moss	Clay-Br-Sand seams-Fine-Br		94	
Type Louivered Model No.	Sand-Blk-Fine-Clay-Blue Sand-Blk-Fine-Gravel trace	94	125	
Diam. 12 Slot size 1/4 Set from 105 ft. to 155 ft.	Fire-Clay-Blue	s 125	_160	
Diam. Slot size Set from ft. to ft.	Clay-Bl-Sand streaks-Fine	160	180	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	gravel			
Was a pump test made? Yes De No If yes, by whom?	Sand-Blk-Claystone-Blue	1.80	190	
Yield: 500 ml (mts mix) 30 ml	Clay-Green-Blue	190	195	
800 gal./min. with 50 ft. drawdown after 5 hrs.	Clay-Blue Clay-Gray	195	_ 50d	
1000 70 10	Claystone-Blue	200	230	
72-73-4-4	Gravel-Lrg-Clay-Blue	275	275	
Artesta (I	Claystone-Blue	278	_278 _290	
8.P	. Claystone-Gray-Blue	290		(Cont)
T.	Work started 5-29 197/ Complete	d 9-		197/
(9) CONSTRUCTION:	Date well drilling machine moved off of well	9-	7	19 7/
Well seal-Material used Bentonite - Coment Grout	Drilling Machine Operator's Certification:		<u> </u>	
Well sealed from land surface to 60 ft.	This well was constructed under were	direct	superv	ision.
Diameter of well bore to bottom of seal	Materials used and information reported best knowledge and belief.	above a	re true	to my
Diameter of well bore below seal in,	[Simple of the state of the sta	late c	)_2E	10 777
Number of sacks of cement used in well seal sacks  Number of sacks of bentonite used in well seal sacks	(Drilling Machine Operator)			19.71
Brand name of bentonite National sacks	Drilling Machine Operator's License No	277		<del></del>
Number of pounds of bentonite per 100 gallos	Water Well Contractor's Certification:		*	
of water Ibs./100 gals.	This well was drilled under my invitable	rtion and	this **	nort in
Was a drive shoe used?  Yes No Plugs Size: location ft.	C best of my knowledge and believe		16]	A-11 10
Did any strata contain unusable water 🗍 Yes 🖾 No	Name S&M Drilling & Supply		A av	
Type of water? depth of strata	Address Rt. 1 Box 31, Camby,	Ore.	97013	
Method of sealing strata off	[Signed Benn the kinne	1 )	***********	
Was well gravel packed? ☑ Yes ☐ No = Size of gravel: 1/4 _3/4	(Water Well Contra	ctor)	***********	
Gravel placed from 60 ft. 5 160 ft	Contractor's License No. 520 Date	9 <b>-</b> 25		1971
USE ADDITIONAL SHE	ETS IF NECESSARY)	~····		TA-1'-#

NOTICE TO WATER WELL CONTRACTOR G E WATER WELL REPORT
of this report are to be
filed with the OCT - 4 1971 STATE OF OREGON
(Please type or print)

STATE ENGINEER, SALEM, OREGON 97310. ENGINEERS type or print) within 30 days from the date! A TE ENGINEERS type or print) of well completion. SALEM OR DO Not write above this line)

Deepening 🗆 Reconditioning 🗆 Abandon 🗀

(4) PROPOSED USE (check):

Irrigation \_ Test Well \_ Other

Domestic | Industrial | Municipal |

Threaded | Welded |

Perforated? Tyes No.

\_\_\_\_\_ ft. to ... \_\_\_\_ ft. to \_\_\_

Well screen installed? 

Yes 

No

... Model No. .

Drawdown is amount water level is lowered below static level

\_\_\_ ft. to \_\_\_

\_\_\_ ft. to \_\_\_

ft. drawdown after

\_\_\_ ft. to \_\_\_\_\_

hrs.

hrs.

ft.

... Ibs./100 gals.

in.

(Cont.)

" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_

..." Diam. from ...... ft. to \_\_\_\_\_ ft. Gage \_\_

in. by\_

... Set from \_\_

gal./min. with \_ ft. drawdown after

Depth artesian flow encountered \_

If abandonment, describe material and procedure in Item 12.

(1) OWNER:

(2) TYPE OF WORK (check):

(3) TYPE OF WELL:

Driven 🗆

Jetted [

Bored 🔲

PERFORATIONS:

Type of perforator used

Size of perforations

(7) SCREENS:

Type .

Yield:

Bailer test

Artesian flow

Manufacturer's Name .....

(8) WELL TESTS:

perature of water

Well seal-Material used ..

Brand name of bentonite \_

Method of sealing strata off

Type of water?

Gravel placed from ..

(9) CONSTRUCTION:

Well sealed from land surface to \_\_\_ Diameter of well bore to bottom of seal .....

Diameter of well bore below seal

Number of sacks of cement used in well seal ...

Number of sacks of bentonite used in well seal \_\_\_

Number of pounds of bentonite per 100 gallons

Did any strata contain unusable water? 

Yes 

No

Was well gravel packed? ☐ Yes ☐ No Size of gravel: .

CASING INSTALLED:

" Diam. from \_\_\_\_\_ ft. to

\_\_ perforations from \_\_\_

perforations from

Diam. \_\_\_\_ Slot size \_\_\_\_ Set from \_\_\_\_

Was a pump test made? 
Yes No If yes, by whom?

gal./min. with

g.p.m.

Was a drive shoe used? ☐ Yes ☐ No Plugs \_\_\_\_\_ Size: location \_\_\_\_\_ ft\_

.... ft. to ....

depth of strata

.... Slot size .....

.... perforations from .....

Name

Rotary

Cable

Dug

Address

New\_Well

	2 0 p	
L REPORT	State Well No. 4/1-32	
DREGON	State Well No.	
or print)		
ve this line)	State Permit No.	
	3. <del>2</del>	
(10) LOCATION OF	WELL:	
County	Driller's well number	
¾ ¼ Şectjon	T. R.	W.M.
Bearing and distance from	section or subdivision corner	
	=	
(11) WATER LEVEL	: Completed well.	
Depth at which water was f	*.	ft.
Static level	ft, below land surface. Date	
Artesian pressure	lbs, per square inch. Date	
(12) WELL LOG:	Diameter of well below casing	
i i	ft. Depth of completed well	ft
	texture. grain size and structure of m	
	exture, gram are and atructure of m	areria la:

Depth drilled Formation: Describe color, text and show thickness and nature of each stratum and aquifer penetrated. with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata. MATERIAL SWL Claystone-Sandstone seams 300 Water Sand-Fine-Gray-Blank

Date well drilling mach			19
Work started	19	Completed	. 19
	7 3 11 2 0	ON .	
SA	RESOURCE EM. OREG	ON DEPT.	
WATER	RESOLUTION	0.000	
UL	7712	102	
- 00			
1 1	OLIV	EU	
	CEIV	/CD	

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief. Madelle .....

[Signed] Drilling Machine Operator's License No. ...

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name _		2		
	(Person,	firm or corporation)	74	(Type or print)
Address	-			
		. # X	0	/

[Signed] (Water Well Contractor) Contractor's License No..... .... Date ..

NOTICE TO WATER WELL CONTRACTOR	CLAC	· \$6	
The original and first copy  of this report are to be	ELL REPORT C12726		
STATE ENGINEER, SALEM 10, OREGON () V 1 3 1962 (Please Within 30 days from the date	OF OREGON Sype or print)	11-32	<u> </u>
(1) OWNER:	State Permit No		
Name John Galer,	(11) WELL TESTS: Drawdown is amount lowered below static		
Address Rt.2, Box 346, Canby, Ore.	Was a pump test made? M Yes \( \subseteq \text{No If yes, by who} \) Yield: 50 gal./min. with 23 ft drawdow		.Mille
	Yield: 50 gal./min. with 23 ft. drawdov	vn after	hrs.
(2) LOCATION OF WELL:	1) 1) 1)		
County Clackamas Driller's well number	Bailer test gal./min. with ft. drawdo	wn after	hrs,
14 Section 32 T. 48 R. 1E W.M.	Artesian flow		
Bearing and distance from section or subdivision corner	Temperature of water Was a chemical analysis	made? 🔲 🖰	Yes   No
750 Ft.North,300 Ft. West of S.E	(12) WELL LOG: Diameter of well below	. (	5
corner sec.32.	Depth drilled 70 tt. Depth of completed w		<b>50</b> 4
	Formation: Describe by color, character, size of materi	al and stru	70 ft.
	Formation: Describe by color, character, size of materiahow thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each of the color	the materi change of	lal in each formation.
(3) TYPE OF WORK (check):	MATERIAL	FROM	TO
w Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐		<del>  -</del>	32
abandonment, describe material and procedure in Item 12.	clay, gray	2	2)
	c_ay, blue	23	42
(4) PROPOSED USE (check): (5) TYPE OF WELL:	coarse broken sand, gravei	63	63 70
Domestic Industrial Municipal Rotary Driven Cable Detted	water	- 5	70
Irrigation   Test Well   Other   Dug   Bored		<del>                                     </del>	
(6) CASING INSTALLED: Threaded Welded W		<del>                                     </del>	
6 "Diam from 0 ft to 70 ft. Gage			
"Diam. fromft. toft. Gage			
" Diam. from ft. to ft. Gage			
(7) PERFORATIONS: Perforated?			<del></del> .
Type of perforator used			
Size of perforations in. by in.			
perforations fromft. toft.		<b></b>	
perforations fromft toft	HECFIVED		
perforations fromft toft			
perforations fromft. toft	UCT 2 1 2002		
(8) SCREENS: Well screen installed  Yes No	WATER RESOURCES DEPT. SALEM, OREGON		
Manufacturer's Name	- OILGON		
Diam. Slot size Set from ft. to ft.	Walt 10-29- 62 10-	27	
Diam, Slot size Set from # ft. to ft.	work started 19 . Completed	31-	19 62
(9) CONSTRUCTION:	Date well drilling machine moved off of well		19
Well seal-Material used in seal heavy mud and cement	(13) PUMP:		
Depth of seal 20 ft. Was a packer used?	Manufacturer's Name	***************************************	
Diameter of well bore to bottom of seal	Type: H	.Р	
Were any loose strata cemented off? Yes No Depth	Water Well Contractor's Certification:		
Was a drive shoe used? ☐ Yes ☐ No	This well was drilled under my jurisdiction a		
Was well gravel packed? ☐ Yes ☐ No Size of gravel:	and so the pest of my knowledge and belief.	no mis re	eport is
Gravel placed fromft_	NAME J.T.Milier		
Did any strata contain unusable water? 🔲 Jes 🗆 No	(Person, firm or cornoration)	pe or print)	)
Type of water? Depth ofstrate	Address Box 175, Aurora, ure.		
Method of sealing strata off	Drilling Weshing On-		**********
(10) WATER LEVELS:	Drilling Machine Operator's License No.		**********
Static level 27 ft. below land surface Date /6-2/-62	[Signed] / //	**********	-
Ariesian pressure lbs. per square inch Date	(Water Well Contractor)  Contractor's License No. Date 10.2		
(USE ADDITIONAL SH		1	19.62.
A L			

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report	· ·			
are to be filed with the WATER WE	LL REPORT			
WATER RESOURCES DEPARTMENT.	FOREGON // State Well No	<u>45/1</u>	<u>e - 3</u>	3dc_
SALEM, OREGON 97810 within 30 days from the date	se or print) Hows	<b>37</b> -		
within 30 days from the date of well completion.	above this line) $\omega_{0}$	NO	***************************************	*
(1) OWNER:				
	(10) LOCATION OF WELL:	,	D 24'	7 70
Name TWIN CREEK Farms DON HANSON	County CLACKAMAS Driller's well r	**********	D-24	7-79
Address 29385 S. Needy Rd.	SW % SE % Section 33 T. 4S	R. LE		W,M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis	don corner		
New Welk  Deepening □ Reconditioning □ Abandon □				
If abandonment, describe material and procedure in Item 12.				<del></del>
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed v	vell.		
(0.000)	Depth at which water was first found 18			ft.
Cable	Static level 50 ft. below land	surface. I	Date2-	25-79
The state of the s	Artesian pressure lbs. per squa	re inch. I	Date	*
CASING INSTALLED: Threaded Welded	(12) WELL LOG: Diameter of mall			<del></del>
"Diam. fromft. toft. Gage250	100		ng	
"Diam. from				ft
ft. toft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each strate	na hra mu	lifer no	- Anntant
PERFORATIONS: Perforated?	with at least one entry for each change of forms position of Static Water Level and indicate pri	tion Renov	et anch	abana da
Type of perforator used	MATERIAL			
Size of perforations in. by in.	topsoil	O	1 To	SWL
perforations from ft. to ft.	clay sandy brown	<del>                                     </del>	28	
perforations from ft. to ft.	clay sandy blue		63	
perforations from	sand brown		66	
(7) SCREENS: Well screen installed? I Ver X Ve	Exam sand & gravel			
(7) SCREENS: Well screen installed?   Yes  No Manufacturer's Name	_brown medium	66	70	
Type Model No.	clay sandy blue	70 8	34	
Diam. Slot size Set from ft. to ft.	sand black		95	
Diam. Slot size Set from ft to ft.	sand & gravel blue med.		109	
	-clay blue -sand black	109 1	119	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	PEOFINES	119		_50
Was a pump test made? ☐ Yes 🔁 No If yes, by whom?	MEULIVEU	RF	CH	TVED
Yield: 45 gal/min. with total drawdown after hrs.	AUG 2 - 1979			TVED
AIR ROTARY " " "		00	7 2	2002
H H	WATER RESOURCES DEPT	JAZA TES		7007
Bailer test gal./min. with ft. drawdown after hrs.	SALEM, OREGON	WATER	HESON	HCES DEPT
Artesian flow g.p.m.		OATE.	EM, O	REGUN
perature of water Depth artesian flow encounteredft.	Work started 7-24 179 Complete	7-25	5	179
(9) CONSTRUCTION:	Date well drilling machine moved off of well			
Well seal—Material used		7-2	25	19 79
Well realed from land autom to 20	Drilling Machine Operator's Certification: This well was constructed under my	dina.		
Diameter of well bore to bottom of seal 10 in.	I WIGGELIAND REED WIND INTOCHNISTIAN MENOWAGE	above ar	e true	to my
Diameter of well bore below seal in.	best knowledge and benef.	/		
Number of sacks of cement used in well seal7	[Signed]	Date7.	-31,	1979.
How was cement grout placed pressure grouted	Drilling Machine Operator's License No	1290	2	
	Woter Well Contractors Co. 1501-15			
	Water Well Contractor's Certification:	<b>5</b> .		
Wer a dwive choe wood? At You Flat White	This well was drilled under my jurisdi true to the best of my knowledge and beli	ction and	this re	port is
Was a drive shoe used? Yes   No Plugs Size: location ft.   Did any strata contain unusable water!   Yes No	Name S & M DRILLING & SU	PPLY,	INC.	
	(Person, firm or corporation)	/There		
Type of water? depth of strata	Address See Walnut St.	camby	, U	• 9
Method of sealing strata off	[Signed]			
Was well gravel packed? Yes No Size of gravel:	(Water Well Confr	X0/310/21		
Gravel placed fromftft	Contractor's License No. 497 Date		<u>-31</u>	19.79
(USE ADDITIONAL SHI	EETS IF NECESSARY)		8P+	45656-110

The dignish and first copy	LL REPORT CEIVED		1	
of this report are to be filed with the C12 STATE OF	DE REPORT	45	115	T32.
STATE OF	OREGON VAKSA1211 state Men MG	No.	/	-
NATER RESOURCE DEPOP Detion. (Do not write a SALEM OREGON	SALEM. OREGON			
(1) OWNER:	(10) LOCATION OF WELL:			
Name DOUG GINGERICH	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	38	1
Address RT By 118		number	4 5-	4
HUBBARD OREGON 97032	NE 14 NE 14 Section 32 T. 45	R.	16	W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivi	sion corn	er	<del></del> ; ,
New Well Deepening Reconditioning Abandon Land Abandon Land Babandonment, describe material and procedure in Item 12.				
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed	well.	77	
Potenti E/ Potenti E	Depth at which water was first found	/		_ / _ ft.
Cable  Jetted  Domestic Industrial  Municipal	Static level 28 ft. below land	surface.	Date 9	726/77
Dug   Bored   Irrigation   Test Well   Other	Artesian pressure lbs. per squ	are inch.	Date /	
CASING INSTALLED: Threaded   Welded   Welded   Welded   Threaded   Welded   Welded   Threaded   Threaded   Weld	(12) WELL LOG: Diameter of well	below ca	asing	
" Diam. fromft. toft. Gage	Depth drilled ft. Depth of com	pleted we	и 7	7 £L
"Diam from ft. to ft. Gage	Formation: Describe color, texture, grain size	and stru	cture of	materials:
At Wast	and show thickness and nature of each strat with at least one entry for each change of form	a bee mu	duffer n	matroted
PERFORATIONS: Perforated?   Yes   No.	position of Static Water Level and indicate pri	ncipal w	port each iter-beari	cnange in ng strata.
Type of perforator used	MATERIAL	From	To	SWL
Size of perforations in. by in.	TOP SOIL	0	2_	
perforations from	BROWN CLASS	2	/3	
perforations from ft. to ft.	SAND AND BROWN			
perforations from ft. to ft.	CIAY	13	29	
(7) SCREENS: Well screen installed? No Ves C No.	BLUE CLAY	29	31	
With Section Instance. A Tes D No	BROWN CLAY AND	1		
Manufacturer's Name 520HNSCN	SAND	31	41	
Type Model No.	BLUE CLAY	41	50	
Diam. Slot size/C. Set from ft. to ft.	CEMENTED (TRAVEL	60	52	T V
Diam. Slot size Set from ft. to ft.	BLUE CIAY	.52	67	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	SUFT BLUE	7=		98
Was a pump test made?   Yes No If yes, by whom?	JOSE SAND	77	72	28
d: gal./min. with ft. drawdown after hrs.		1	<b>-/-/</b> -	
# # #	0 00 0 9	1	<del>                                     </del>	
a digital seed to the seed of	-			
Bailer test 35 gal./min. with 9 ft. drawdown after 1 hrs.	1 .			
Artesian flow g.p.m. with ft. drawdown after hrs.		<u> </u>		
Double of western Double or other flow	Work storted 4/22 1077-	<del></del>	1/-	
I constitution in the second s	Work started -// 22 19 / /Complet	ad 4	126	19 7
(9) CONSTRUCTION:  Well seal—Material used PENTONITE	Date well drilling machine moved off of well	<del>-4/</del>	27	19 7 /
7 -2	Drilling Machine Operator's Certification This well was constructed under my	; 		
Well sealed from land surface toft.	Waterlass used and information reported	above	super are true	vision.
Diameter of well bore to bottom of seal in.	best knowledge and belief.		1/20	22.5
Diameter of well bore below sealin.	[Signed]	Date	721	19.77
Number of sacks of cement used in well seal sacks	Drilling Machine Operator License No.	2.	60	
Number of sacks of bentonite used in well seal	Diming Machine Operator's License No.	كلب		
Brand name of bentonite NATIONAL	Water Well Contractor's Certification:			
Number of pounds of bentonite per 100 gallons of water	This well was drilled under my jurisd	iotion	nd thin -	amout !-
or water	true to the best of my knowledge and be	ief.	w with r	chour 12
Did any strata contain unusable water?   Yes No	Name KELLER WELLERILL	106	(0)	<b></b>
	Address 6350 SE 3600NL	To de	pe or prir	
Type of water? depth of trata	Address 6.350 OF MCOUNL		ALICAN	HUKIE
Method of sealing strata off  Was well gravel packed? ☐ Yes S No Size of gravel:	[Signed]		******	
Gravel placed fromff toff	Contractoric Lines at 1/2	Aln.	7	7-1
	Contractor's License No. Home Date	1/2	<u> </u>	, 19_/_/

NOTICE TO WATER WELL CONTRACTOR
The original and first copy
of this report are to be
filed with the

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

C1272 STATE OF OREGINALIN S. 210:

JUN 2 21973. Well No.

45/1E-32

(Do not write above that TE ENGINEER That No.

	SALEM OREGON	20/01202
(1) OWNER:	(10) LOCATION OF WELL:	204
Name Richard Hunnicut	County Clackamas Driller's well n	
Address Rt 2 Box 124-A, Canby, Oregon	4 % Section 32 T. 4S	R. 1E 203 W.
	Bearing and distance from section or subdivis	
(2) TYPE OF WORK (check):		
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐	- 1	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w	zell.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found	E C
Rotary Driven Domestic Industrial Municipal		
Cable   Jetted   Jones   Industrial   Municipal	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	re inch. Date
CASING INSTALLED: Threaded □ Welded ☑	(19) YEAR E LOC	halan 6
6 " Diam from 0 ft to 57 ft Gage 250	(12) WELL LOG: Diameter of well	perow casing
" Diam. from ft. to ft. Gage	Depth drilled 64 ft. Depth of compl	
PERFORATIONS: Perforated? Des E No.	Formation: Describe color, texture, grain size and show thickness and nature of each stratus with at least one entry for each change of formation of Stratus Western Stratus at Stratus Western Stratus at Stratus Western Stratus at Stratus Western Stratus at Stratus Western Stratus at Stratus Western Stratus at Stratus Western Stratus at Stratus Western Stratus at Stratus Stratus at Stratus Stratu	m and aquifer penetrate tion. Report each change
	position of Static Water Level and indicate prin	<del></del>
Type of perforator used	MATERIAL	From To SWL
Size of perforations in. by in.	Soil, Brown	0 2
perforations fromft. toft.	Olay, Brown	2 28
perforations from	Clay, Gray	28   35
	River Rock. Cemented	35   55
(7) SCREENS: Well screen installed?   Wes  No	Sand, Gravel. WB	55   63   30
Manufacturer's Name	, , , , , , , , , , , , , , , , , , , ,	77 9.5
Type Model No		
Diam Slot size ft. to ft.		
Diam Slot size Set from ft. to ft.		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	RECEIVED	
Was a pump test made? [ Yes Ano If yes, by whom?		
id: gal/min. with ft. drawdown after hrs.	OCT 2 1 2002	
" " "	WATER DECOMPOSITION	
И И И	WATER RESOURCES DEPT.	
	- OnEdoly	
estan flow g.p.m.		
perature of water Depth artesian flow encountered ft.	Work started 5/3/73 19 Complete	ed5/3/73 19
(9) CONSTRUCTION:	Date well drilling machine moved off of well	5/3/73 19
Well seal—Material used Bentoni te	Drilling Machine Operator's Certification:	
Well replet from land materials # 20	This well was constructed under my	direct supervision
Diameter of well bore to bottom of sealin.	Materials used and information reported best knowledge and belief.	above are true to m
Diameter of well bore below seal6in_		Date 5/9/73 19
Number of sacks of cement used in well sealsacks	[Signed] A Sadaman (Drilling Machine Operator)	<b>4</b>
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No.	681
Brand name of bentonite Wilhur Ellis		
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:	
of water lbs./100 gals.	This well was drilled under my jurisdi	ction and this report
Was a drive shoe used? • Yes 🛘 No Plus Size: location ft.	true to the best of my knowledge and beli	ler.
Did any strata contain unusable water? 🗆 Yes 🔁 No	Name Harvey Blackman (Person, firm or corporation)	(Type or print)
Type of water? depth of strata	Address Rt 1 Box 181K, Mulin	o. Oregon
Method of sealing strata off	4.	pK.TL.E.X.M
Was well gravel packed? ☐ Yes X No Size of gravel:	[Signed] Dawy Black [Water Well Control	man
Gravel placed fromft_toft.	Contractor's License No. 537 Date	5/9/73 10
	INTA	

R	ECEIVE	D W	ECE	VE	Skyles 1146 E	Drillin	g, Inc. CLAC DAVE. 51	10			
WATE	WATER ST	OREGON JPPLY WELL WEST, 53 1/9 1/15 Feb.	REPORT RESOURCE	SES DI	<u>:</u> ρτ. 65	6-268	01070	(START CARD) #_	980	83	
	(1) OWNER: Name Tony	Martishe	SA A	Vell Num	1 5 5 5 5 5 5 5 5 5		(9) LOCATION OF	as Latitude	Lo	ngitude	
		0 Tierra			77. 61		Township 4 Sou	th N or S Range_			W. WML
	(2) TYPE OF	dburn WORK	State (	Jr.	Zipy	<u>7071</u>	Section 32 Tax Lot 500 1	NW 1/4 ot Block		_ 1/4 Subdivision	
]		Deepening Alt	eration (repair/	reconditio	on) [ Aband	lonment		l (or nearest address)			Barlo
1	(3) DRILL M			-				Can	by, O	ς.	
!		□Rotary Mud olte	Cable	Auge	r		(10) STATIC WATER				
1	(4) PROPOSE		<del></del>				Artesian pressure	ow land surface.  1b. per squar		Date <u>5—1</u> Date	7-97
1	Domestic	Community	Industrial	X In	rigation		(11) WATER BEARI		в дісц.	Date	
. \	Thermal	Injection  OLE CONSTRUCT	Livestock		ther						
		tion approval 🔲 Ye		n of Com	nleted Well	2356	Depth at which water was	first found 57			
	Explosives used	Yes No T	ype	Am	OUTIL	<u> </u>	From	To	Estimate	d Flow Rate	SWL
	HOLE		SEAL				57'	74"	40		30
	12" 0	18 Bento	rini From	70   0   4	Sector or pos		97*	112'	100		30
$\cup$	9½" 18	250 Z	HILE 10		I Sac	KS_	223'	249'		200	30
	93" 216	225 Cemen	t 223	216	6 sack	(S				-	
	How was seal pla						(12) WELL LOG:				
		nced: Method at Poured		B [		□Е	Ground	Elevation		<u></u> -	
		rom <u>250</u> ft. to		Materia	3/8" g	rave	Materia	1	From	То	SWL
	Gravel placed fro		ft.	Size of	A sa	cks	Clay Brown S	Sandy	0	6	J
	(6) CASING/I		O 04 1	<b>5</b> 00 - 1	****			<del>-</del>	ļ		
	Casing: 8 <sup>10</sup>	+2 229	Gauge Steel	Plastic	Welded T	hreaded	Clay Brown		6	57	
							Sand Brown		57	74	
	-	+									
	Liner: None						Clay Gray		74	97	
						H 1	Sand Gray Me	od Some Grav	107	112	
( )	Final location of								1.57	112	
$\bigcirc$	(7) PERFORA	TIONS/SCREEN  Method	VS:				Clay Gray		112	223	
	Screens	Type		Mate	riel		Sand Cemente	d Coon Mad	223	200	
	From To	Slet size Number	Diameter	Tele/pipe size	Casing	Liner	Cellent E	or erea weer	223	249	30
, >	None	+			_ 📮 _		Clay Gray		249	250	
$\bigcup$		1 1			-						
						51					
					_ 🗆						
	(8) WELLTES	TS: Minimum t	esting time is	1 bour			Day 2014 5 0 000				
	(0)	TO MARIE C	count and to	A HOUL			Date started 5-8-97 (unbonded) Water Well C			17-97	· · · · · · · · · · · · · · · · · · ·
	Pump	Bailer	Air Air		Flowin Antesia		I certify that the work I	performed on the constru	ction, alter	tion, or abs	indonment
	Yield gal/min	Drawdown	Drill stem	at	Tim		of this well is in compliance Materials used and informs	e with Oregon water sup ition reported above are i	ply well con rue to the be	struction at est of my kn	andards. rowledge
	200		220		1 1	IT.	and belief.				
							Signed Manie	D. Skyla	WWC Num	Date 55 -	
	Temperature of wa		Depth Artesian	Flow Fo	und		(bonded) Water Well Con				
	Was a water analy:	sis done? \ Lain water not suitab	es By whom_				I accept responsibility for performed on this well duri	or the construction, altern	tion, or aba	ndonment v	vosk osk
		dy Odor O			Too little	·	performed during this time construction standards. This	is in compliance with O	egon water	sonoly well	
	Depth of strata:						Line Committee of the C	re-referr to rine to rise occ	WWC Nun		
		,		•			Signed Story	C. Klaud		Date 5-	
•	DRIGINAL & F	IRST COPY-WAT	ER RESOUR	CES DI	EPARTMEN	VT SEC	OND COPY-CONSTRU	CTOR THIRD CO	PY-CUST	OMER	

#### Pacific Hydro-Geology Inc.

18477 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016 RECEIVED

OCT 2 1 2002
WATER RESOURCES DEPT.
SALEM. OREGON

October 18, 2002

prop devied substantial
interference
teilled to Dan 10-28, he'll teille
W/Fred

Oregon Water Resources Ms. Tracy Eichenlaub 158 12<sup>th</sup> Street NE Salem, Oregon 97310-0210

Re: Request for enforcement on well construction for two wells proposed for use under Water Right Application G-15567

Dear Ms. Eichenlaub:

The purpose of this letter is to submit information on behalf of Mr. Joel Neuschwander, the applicant for ground water Application G-15567, for an evaluation of the construction of two wells (CLAC 12700 and CLAC 51287). If the construction of these two wells (Neuschwander wells) is found to be in violation of state laws, we would request enforcement action against the driller who constructed the wells. The Department has recommended that Application G-15567 be denied because of potential interference with nearby streams. This determination is documented in Proposed Final Order dated April 9, 2002, in which the Neuschwander wells are identified as Well 1 (CLAC 12700) and Well 2 (CLAC 51287).

We have reviewed the well construction reports for the two wells and have determined that the wells were not properly sealed to prevent commingling of groundwater between the uppermost water-bearing zone(s) and the deeper, water bearing intervals over which the wells are screened. Copies of the Water Well Reports for these two wells (CLAC 12700 and CLAC 51287) are attached. Figure 1 shows the locations of the Newschwander wells and several other wells we have identified in the area. Cross sections including the two Neuschwander wells and three other wells (CLAC 12730, CLAC 12739, and CLAC 12727) are shown on Figures 2 and 3 to provide a picture of the subsurface geology. Figure 1 shows the locations of the cross-sections.

Based on our review of the well logs for the Neuschwander wells and other wells in the surrounding area, we believe there is a continuous layer of clay and/or silt that separates an upper, water-bearing strata from a deeper aquifer throughout the area surrounding the two wells of concern. The locations of the wells we have identified in the area are shown on Figure 1. Table 1 provides information from the logs for the wells shown on Figure 1, including the thickness and approximate elevation of the clay layer identified. Copies of the well logs are attached with this letter. Elevations for these wells have been estimated from a U.S.G.S. topographic map.

Figure 2 (Cross Section A-A') shows the Tocher well (CLACK 12730) obtains water from the upper aquifer, with the bottom of the well ending in the clay that can be identified in both Neuschwander wells and other wells in the area. The driller noted in both Neuschwander wells that water was first encountered in the first gravel that correlates with the upper aquifer. In Well 1 (CLACK 12700), water was first encountered at 31 feet. In Well 2 (CLACK 51287), water was first found at 40 feet. The driller did not report a static water level for the upper aquifer in the log for Well 1, and he reported a single static water level for all the water bearing zones in Well 2. Based on elevations, it appears the upper aquifer is connected with Bear creek, located to the northwest of Neuschwander Well 1, and the unnamed stream located between the two Neuschwander wells. Therefore, the upper aquifer would be expected to have a different static water level than the deeper aquifer. Recent studies by the Department in the Willamette Basin have identified that there are separate aquifers having different static water levels within the Willamette Valley alluvial aquifer system. However, some drillers continue to report one static water level measurement for all the zones.

Based on recent discussions with Fred Lissner and Donn Miller, we believe that the ground water application would be approved if the upper water-bearing strata in these two wells could be isolated from the deeper water bearing zones by the placement of properly constructed well seals. Therefore, the potential for interference with nearby streams is a function of the construction of the two Neuschwander wells.

Our determination that these wells are improperly constructed is based on the following:

**Neuschwander Well 1 (CLAC 12700).** The driller reported first encountering ground water at a depth of 31 feet below land surface (bls). This first encountered ground water appears to occur within a thin layer of sand at a depth of 31 feet bls. A cemented gravel is also noted in the log from 42 feet to 63 feet. Based on the logs from other wells in the area, we understand that the cemented gravel serves as a source of ground water for shallow wells. Therefore, it appears that there is an upper aquifer in this well between 31 and 63 feet bls that may be connected with the nearby streams. The driller did not report a static water level for this apparent water-bearing zone.

According to the log, the primary water bearing zones occur from 82 to 102 feet bls and from 115 to 132 feet bls, corresponding to the lower aquifer. The driller noted the same static water level of 30 feet bls for both of these intervals. The two primary water-bearing intervals are separated from the overlying cemented gravel (upper aquifer) by a 19-feet-thick layer of clay and silt that extends from 63 feet to 82 feet bls. The well is perforated over the interval of 88 to 150 feet bls; however, the well seal was placed only to a depth of 20 feet bls. Therefore, the well seal does not extend into the clay and silt layer, nor does it adequately seal off the shallow water-bearing zone(s) which occur from 31 to 63 feet bls. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

**Neuschwander Well 2 (CLAC 51287).** The driller reported first encountering ground water at a depth of 40 feet below land surface (bls). This first encountered ground water appears to occur within a layer of cemented gravel found at depths between 38 and 54 feet bls (this cemented gravel appears to correspond with the cemented gravel layer in Well 1 from 42 to 63 feet bls and, therefore, represents the upper aquifer). The driller did not report a static water level for this water-bearing zone.

The driller reported the water-bearing zone from 40 to 140 feet bls. Based on the perforated interval, from 76 to 119 feet bls, it appears that the primary water-bearing deposits in this well include the sands and gravels which occur between 60 and 95 feet (lower aquifer). These sand and gravel layers appear to correspond to the primary water-bearing zones identified by the driller in Well 1. Also, as in Well 1, these sands and gravel units are separated from the overlying cemented gravel by a 6-feet-thick layer of clay which extends from 54 to 60 feet bls. The well seal was placed only to a depth of 50 feet bls. Therefore, this seal does not extend into the clay layer (54 to 60 feet bls) that separates the upper, water-bearing cemented gravel from the deeper sands and gravel which serve as the primary water-bearing aquifer for this well. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

We request that you review the well construction details of the two wells (CLAC 12700 and CLAC 51287) together with the cross-sections, tabulated well data, and well logs attached with this letter and make a determination whether enforcement action is warranted.

Please call Malia Kupillas, Pacific Hydro-Geology Inc., at (503) 632-5016 if you have any questions.

Sincerely,

Malio G. Kupillas

Malia R. Kupillas R.G., C.W.R.E.

Sugar E. Supillas, R.G., C.W.R.E.

Attachments: Figure 1 - Well and Cross Section Locations

Figure 2 - Cross-Section A-A' Figure 3 - Cross-Section A'-A"

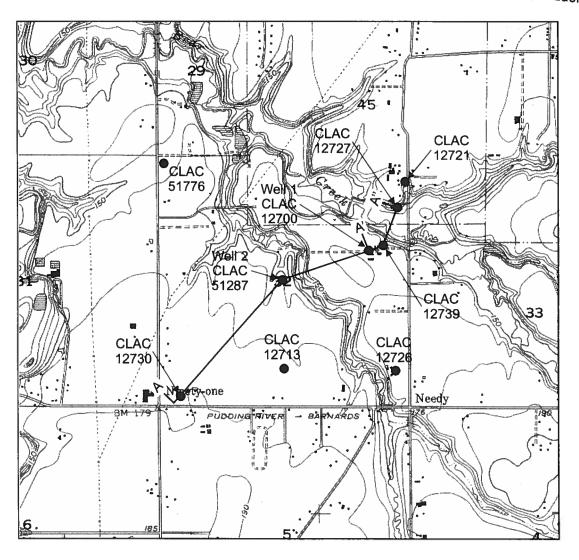
Table 1 - Well Log Data for Neuschwander Wells and other Are Wells Water Well Reports for Neuschwander Wells and other Wells in Vicinity

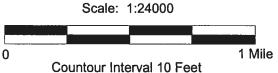
cc: Donn Miller, Oregon Water Resources Department Joel Neuschwander





OCT 2 1 2002 WATER RESOURCES DEPT. SALEM, OREGON



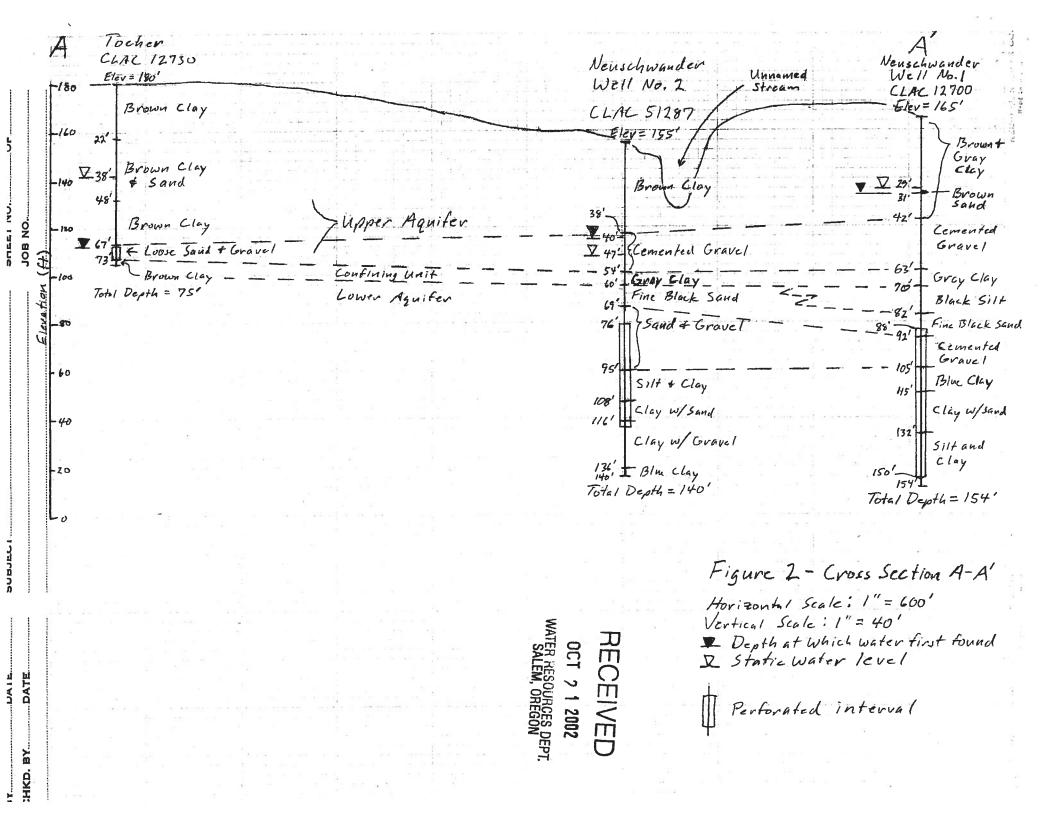


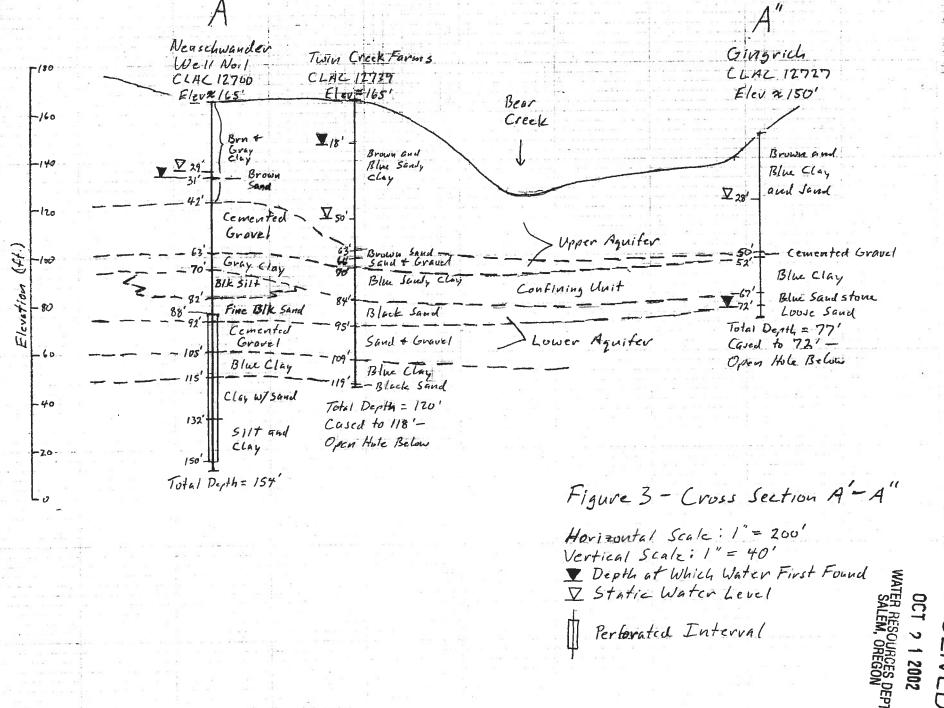
Source: USGS 7.5 Minute Topographic Survey Map of Yoder Quadrangle, Oregon, 1955 (Photorevised 1985)



Joel Neuschwander Application G-15567 T.4S. R.1E Section 32

Pacific Hydro-Geology Inc.





OCT > 1 2002

Table 1. Well Log Information for Neuschwander Wells and Other Wells in Vicinity

						Estimated Elev.	Estimated Elev.	Thickness of
1		Legal/	Tax Lot	Owner	Estimated Well	at top of Clay	at bottom of Clay	Clay Confining
Well Log	g I.D. No.	Map No.	Number	Last Name	Head Elevation (ft)*	Confining Unit (ft)	Confining Unit (ft)	Unit (ft)
CLAC	12700	4 1E 32	903	Neuschwander	165	102	95	7
CLAC	51287	4 1E 32	900	Neuschwander	155	101	95	6
CLAC	12730	4 1E 32	1505	Tocher	180	107	Unknown	Unknown
CLAC	12713	4 1E 32	1507	Hansen	175	111	81	30
CLAC	12726	4 1E 32	1300	Galer	170	<100	Unknown	Unknown
CLAC	12739	4 1E 32	901	Hansen (now	165	95	81	14 -
				Neuschwander)				]
CLAC	12727	4 1E 32A	100	Gingrich	150	98	83	15
CLAC	12721	4 1E 32	207	Hunnicutt	180	<117	Unknown	Unknown
CLAC	51776	4 1E 32	51776	Martishev	155	81	58	23

<sup>\*</sup> Elevations are estimated from U.S.G.S. Topographic Map: Yoder Quadrangle, Oregon 7.5 Minute Series, 10-foot contour interval.

### RECEIVED WILLIAM

	RECEIV	ED vin	i o b	I W &	a W	CLAC	WE11	1	STA	to C	125
WATER W	OF OREGON 21 VELL REPOR VERRESCUSSI SALEM. OREG	<b>?T</b> FS-DEPT	เมพ 87			(01270		45/	16	32	
(1) OWNE	₹:	Si	Well Number	#SEGO GHCE	NI DEPT	(9) LOCATION	OF WELL by le	egal d	escrip	tion:	
Name JOBL NEUSCHWANDER					AMAINS.				, ,		
Address (00)	59 S WI	HISKEY H		Zip		Township	Nor S, Range	IF		E or W	, WM.
(2) TYPE (		Salar (		- Lip			и				
New Well		Recondition	□ Ahe	andon	7.5		Lot Block		Sub	division	
(3) DRILL				шци	<del></del>	S. NE	EDY ZO	ANC	(y		
	☐ Rotary Mud	Cable					VATER LEVEL:				
Other						1 ' '	below land surface.		Date	5/2	5/88
(4) PROPO	-						lb. per squ	are inch.	Date		
	Community [	☐ Industrial ☐ Other	Irrigation Irrigation	on		(11) WATER B	EARING ZONE	S:			
	IOLE CONST		•			Depth at which water wa	s first found				
Special Construction	n approval Yes I	No Depth o	f Completed	d Well	54 R	From	To	Estir	nated Flo	w Rate	SWL
Explosives used					-	82	102	800	GPA	1 =	30
HOLE	∟ ∟ Туре _		mount			115	132	200	0 6 p	4 7	30
meter From	To   Mater	SEAL ial From	To		ount <del>-pound</del> s				<del></del> .		<b></b> _
72 /	20 GRAN	WAR I	20			(12) WELL LO	G.				
8 20	154	DUME				(12) WELLIO	Ground elevan	on			
						Soil	Material		From	То	SWL
How was seal place	: Method    A	ДВ □ с.		] B		CLAY BROWN	· · · · · · · · · · · · · · · · · · ·		3	3	<del> </del>
	PANGLAR A			THOD		SAND BRO			31	3/	
	75 ft. to 90			EA		CLAY GREY	,		31	42	
		It. Size of	gravel	E-7\$		CEMENTED O			42	63	
(6) CASING	*	Consol Steel B	ilandin III	/-1.3 - 3 PM		CLAY DK G			63	70	
Casing:	0 154	Gauge Steel P		elded T	nreaded	SUT BUSE			70	82	
							GRAVEL		82	92	<del>  </del>
						CLAY BLU			105	115	<u>  </u>
<del></del>		I 🖳				CLAY GREY				132	
Liner:						SAND CA	YERS				
ocation of she	pe(s) 154					CLAY GREEN			132	144	
	RATIONS/SO	ID TOTAL					K BROWN.		144	147	<b></b>
Perforation	999		Down	الا م		CLAY BULL	GREEN		147	154	<b></b>
Screens	Type	59-88 / <b></b>	Material _	<del>Y</del>		ZNITIALLY	PERFORATED	115	to 1	52/3	ws
	Slot	: Tele	pipe	1		PRODUCES 1	50 7 PM. toh	al.	The	-	AURC
88 150	size Number			_	Liner	PACKED 75	-102 \$ 115	-13	2.	pero	
00 750	400	<del> </del>				88 to 115		obuc	Es	300	SAL
						W174 21 DA	ANDOWN.				0,
		` _								<del>                                     </del>	
			<del></del> -			Date started 5//	3 / 88 Com	aleted	5/25	-/88	
	1		<del></del>			(unbonded) Water V			7	/	
(8) WELL T	ESTS: Minim	um testing ti	me is 1 h	hour Flowing		I certify that the	work I performed or	the co	nstructi	on, alter	etion, or
☐ Pump	☐ Bailer	Air_		Artesian		abandonment of this standards. Materials u	well is in compliance	e writh (	Gregon v	wall cons	twinting
Yield gal/min	Drawdown	Drill sem a	t	Time	•	knowledge and belief.	sed and internition is	eported	adove ar	e true to	my best
Soo	46	Punsp		1 hr.					/WC Nu	mber	
300	21	AIR CIFT		3		Signed	<u> </u>	<u> </u>	ate		
						(bonded) Water Wei	Constructor Certif	ication	:		
'l'emperature of wat		DeptiArtesi	an Flow For	und		work performed on the	oility for the construct well during the cons	truction	deter w	a betwore	hove all
Was a water analysi			П			work performed duri	<b>nk</b> this time is in	compli	ance wi	ith Orac	Ifam and
	ain water not suitable iy 🔲 Odor 🔲 Co		∐ Tooli	ittie		construction standards belief.	3./I'his report is true	to the b	est of m	y knowle	dge and
Depth of strate:	-, Coor ( Co	wied H Amer -	-	_		Signed	- U65	"	WC Nu	opber 2	(C)
	WATER RESOURCE	ES DEPARTMEN	rr .	YE	ELLOW CO	OPY-CONSTRUCTOR	PINK COP		ate		9000
			_		-		124 003			a	809C 10/86

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OCT 2 1 2002

## RECEIVED Well 2

STATE OF WATERONES OURCES DEP CLAC

TAG # LOZO78

JAN - 9 1997 WATER SUPPLY WELL REPORT 5/28 62424 (START CARD) #. (as required by ORS 537.765) Instructions for completing this report are on the last page of this WATER RESOURCES DEPT. SALEM, OREGON

OF WELL by legal description: Well Number (1) OWNER: County CLACKAMAS Latitude Longitude Neuschwander's Nursery E or W. WM. N or S Range 1e 6097 S. Whiskey Hill Rd Township\_\_ Address 1/4 Se 1/4\_\_\_ Section Or Zip 97032 **Hubbard** City Subdivision\_ 900 Lot Block Tax Lot (2) TYPE OF WORK Street Address of Well (or nearest address) New Well Deepening Alteration (repair/recondition) Abandonment 29435 S Needy Rd (3) DRILL METHOD: (10) STATIC WATER LEVEL: Rotary Air Rotary Mud X Cable Auger Date <u>Sep 10, 19</u>96 ft. below land surface. Other lb. per square inch. (4) PROPOSED USE: Artesian pressure (11) WATER BEARING ZONES: Community Industrial [ Irrigation Domestic Livestock Other ☐ Thermal ☐ Injection (5) BORE HOLE CONSTRUCTION: Depth at which water was first found \_ Special Construction approval Yes No Depth of Completed Well 140 ft. SWL Estimated Flow Rate From Explosives used Yes No Type \_\_\_\_\_ Amount \_ 47 140 HOLE Sacks or pounds

35 Sacks Material Bentoni te 150 50 ī 140 (12) WELL LOG: ПВ **Ground Elevation** Method A How was seal placed: Other Granular Bentonite method SWL To From Material Material Backfill placed from ft. to\_\_\_\_ ft. Soil Size of gravel nea ft. to 120 Gravel placed from 60 38 Clav. Brown (6) CASING/LINER: 38 54 Cemented oravel, brown Welded Plastic Thrended 140 54 58 Clay, orey Casing 58 60 Clay, orey, sandy 60 49 Sand. black. fine 71 69 Sand and gravel, black 74 71 Cemented oravel, sand Liner: 95 74 Sand & oravel 98 Clay, blue Final location of shoe(s) 140 **9B** 101 (7) PERFORATIONS/SCREENSTIVE DOWN clay, grey, silty 108 101 Silt. dark orey Method Perforations 108 116 Clay w/black coarse sand Material Screens Туре Clay, grey w/some cemented praveli16 Line Number 600 Diameter .18a 140 Clay, blue 136 Note: 6 inch gravel feed each side of 8 inch well Dec 10, 1996 August B, 1996 Completed (8) WELL TESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: Flowing I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge Artesian Bailer ☐ Air Pump Time Drill stem at Yield gal/min Drawdown air line e 1 hr. and belief. 4 hr **WWC Number** 220 Signed (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water 53 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction stapends. This report is still to the best of my knowledge and believed. Yes By whom Was a water analysis done? Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other WWC Number Depth of strata:

Signed >

STATE OF STA	OAN 24 19//	45	115	320
within 30 days from the date of well completion. (Do not write:	ADOVE this line)  SALEM ODECOM	No	<u>-                                    </u>	
(1) OWNER:	(10) LOCATION OF WELL:		<u>, , , , , , , , , , , , , , , , , , , </u>	
Name DICK TOUHER	County LACKAMAS Driller's well :		27/	
Address 717) 5 BERNARDS RD.	SW % Sty % Section 32-T. 45		<u> </u>	
CANDY , ORFGON	- 10			W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivi-	ion com	er	-
New Well  Deepening □ Reconditioning □ Abandon □				
If abandonment, describe material and procedure in Item 12.		-		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed v	vell.		
Reterm T Determine	Depth at which water was first found	61		, ft.
Cable Jetted D Domestic M Industrial D Municipal D	Static level .38 ft. below land	surface.	Date //	10/77
Dug   Bored   Irrigation   Test Well   Other	Artesian pressure lbs. per squa	re inch.	Date /	/
CASING INSTALLED: Threaded   Welded   Welded   Welded   Threaded   Welded   Welded   Threaded   Threaded   Welded   Threaded   Welded   Threaded   Threaded   Threaded   Welded   Threaded	(12) WELL LOG: Diameter of well	below ca	sing	
" Diam. fromft. toft. Gage	Depth drilled 6 ft. Depth of comp	leted wel	<u> 13</u>	3 st.
Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size	and struc	ture of	materials;
	and show thickness and nature of each stratu with at least one entry for each change of forms	m and a	auifer w	heterted
PERFORATIONS: Perforated?   Yes No.	position of Static Water Level and indicate pri	ncipal wa	ter-beari	ng strata.
Type of perforator used	MATERIAL	From	To	SWL
Size of perforations in. by in.	TOP SOIL -	0	2	
perforations from ft. to ft.	BROWN CLAY	12	72	
perforations fromft. toft.	BROWN (LAY AND		2-2-	
perforations from ft. to ft.	_ SAND	22	48	
(7) SCREENS: Well screen installed? So You Cl No.	BROWN CLAY	48	67	
The state material is 169 1 No	LOOSE SAND AND			
Manage 1	GRAVE	67	73	38
- 5 16 18 72	BROWN CLAY	73	75	
Diam. Slot size Set from the to ft.  Diam. Slot size Set from ft. to ft.	•			
		-		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	RECEIVED			
Was a pump test made? [] Yes No If yes, by whom?				
Yield: gal./min. with ft. drawdown after hrs.	OCT 2 1 2002			
" " " " " " " " " " " " " " " " " " "	The second secon	-		
n n	WATER RESOURCES DEPT			
Bailer test 15	SALEM, OREGON			
Added to the state of the state				
Artesian flow g.p.m.				
mperature of water Depth artesian flow encounteredft	Work started 1/6 1977 Complete	ed 1/10	0	1977
(9) CONSTRUCTION:	Date well drilling machine moved off of well	. '\	10	19 77
Well seal-Material used BENTONITE	Drilling Machine Operator's Certification:	1		V2-1000
Well sealed from land surface toft.	This well was constructed under my Materials used and information reported	direct	super	vision.
Diameter of well bore to bottom of sealin.	best knowledge and belief	above a	ire true	to my
Diameter of well bore below sealin	[Signed] OCKelle	Date	12	1977
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	7	スつ	9
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's Lidense No.			1
Brand name of bentonite NATIONAL	Water Well Contractor's Certification:		_	
Number of pounds of bentonite per 100 gallons of water	This well was drilled under my turisdi	otion a-	al thin -	onaut i-
waterlbs./100 gals.  Was a drive shoe used? ☑ Yes ☐ No Flus Size: location ft.	mae to the pear of my knowledge sud per	ief.		chour is
Did any strata contain unusable water?  Yes No	Name KELLER WELL JRILL	114	10	
Type of water? depth of strata	Address 6350 SE Brown		pe or prin	-
Method of sealing strata off	The state of the s	2 1.7	ILLUA	KIS.
Was well gravel packed? ☐ Yes 💌 No Size of gravel:	[Signed]	سلال	-	
	(Water Well Contr	actor)		-17
	Contractor's License No. 462. Date	112		<u>, 19/</u> /
(USE ADDITIONAL SE	KETS IF NPCPSSADO	1	6036	

of this report are to by OCT - 4 1971 WINER W.	ELL REPORT	1	<i>i</i> 5	
OCT 2 Miled with the OCT - 4 1971 ASTATE OCT - STATE OF S	of OREGON 012/13 State Well No state Permit	1	-3	
	above this line)			
(1) OWNER:	(10) LOCATION OF WELL:			
Name Don Harson - Twin Creek Farms	County Clackamas Driller's well			•
Address Rt. Box 340, Camby, Ore. 97013	+0 1.0		G <sup>2</sup>	
		R. 11		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivi-	ion corn	er	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐	1			
If abandonment, describe material and procedure in Item 12.				
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed v	vell.		
Rotary A Driver D	Depth at which water was first found 60			ft.
Cable	Static level 32 ft. below land	Rurfoce	Date	
Dug	7			
CASING INSTALLED:	Artesian pressure lbs. per squa	re men.	Date	
	(12) WELL LOG: Diameter of well		. 1	11 1
12 " Diam from 0 ft to 155 ft Gage 250	Diameter of Mell			<u> </u>
18 " Diam. fromO ft. to 60 _ ft. Gage250				5 ±.
" Diam. fromft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each stratu			
PERFORATIONS: Perforated? \( \subseteq \text{Yes} \) No.	with at least one entry for each change of forms position of Static Water Level and indicate print			
	MATERIAL	From	To.	SWL
27 111.	Topsoil-Brown	0	3	
perforations from ft. to ft.	Clay-Brown	3	20	
perforations fromft. toft.	Clay-Blue	20	60	
perforations from ft. to ft.	Clay-Bl-Sandy-Blk-Fine-	60	64	
(7) SCREENS: Well screen installed? A Yes No	Water trace			
Manufacturer's Name Rossco Moss		64	94	
Type Louivered Model No.	Sand-Blk-Fine-Clay-Blue	94	125	
Diam. 12 State size 1/4 and 105 755	Sand-Blk-Fine-Gravel trace	s 125	160	
Diam. Slot size	Fire-Clay-Blue		-100	
At 20 II,	Clay-Bl-Sand streaks-Fine	160	180	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	gravel			-
	Sand-Blk-Claystone-Blue	180	190	
Was a pump test made? Yes [] No If yes, by whom?	Clay-Green-Blue	190	195	
Yield: 500 gal./min. with 30 ft. drawdown after 5 hrs.	Clay-Blue	195	200	
	Clay-Gray	200	230	
" 1000 " 70 " 10 "	Claystone-Blue	230	275	
Baller test gal./min. with ft. drawdown after hrs.	Gravel-Lrg-Clay-Blue	275	278	
Artesian flow g.p.m.	Claystone-Blue	278	290	
The second secon	Claystone-Gray-Blue	290	300	(Cont)
Temperature of water Depth artesian flow encounteredft_	Work started 5-29 197/ Complete	9-		197/
(9) CONSTRUCTION:	Date well drilling machine moved off of well	9-	7	19 7/
Well seal-Material used Bentonite - Cament Grout	Drilling Machine Operator's Certification:			
Well sealed from land surface to	This well was constructed and and			
Diameter of well bore to bottom of seal 24 in.	Materials used and information reported about knowledge and Heliof	pove a	superv e inne	ision.
Diameter of well bore below sealin.	Benefit I	~ )		
Number of sacks of coment used in well seel	[Signed ] Sunty (Drilling Machine Operator)	ate 9	-25,	19.77
Number of sacks of hantonite used in well seel	Drilling Machine Operator's License No			
Brand name of bentonite National sacks	B Literature Operator's Literase No	2/-/	***************************************	
Number of pounds of bentonite per 100 gallois	Water Well Contractor's Certification:			
of water	This well was drilled under i			
Was a drive shoe used?  Yes No Plus Size: location ft.			this rep	ort is
Did any strata contain unusable water   Yes   No	Name S & M Drilling & Supply			
Part	(Person, firm or corporation)	(Type	or print)	********
Type of water? depth of strata  Method of sealing strata off	Address Local Dox of Carby,	ore.	97013	
	[Signed Denneth Renne	レブ		'
Was well gravel packed? ▼ Yes □ No = Size of gravel: 1/4 = 3/4	(Water Well Contrac	tor)		
At 10	Contractor's License No. 520 Date	9-25	******	19.71
(USE ADDITIONAL SHI	EETS IF NECESSARY)			

# The original and first copy of this report are to be OCT - 4 1971 STATE OF OREGON

within 30 days from the deel ATE ENGINEER type or print)
of well completion. SALEM OR: (Do Not write above this line)

	11
•	4/1-27
State Well No.	4/1-32
21 0	
1	
State Permit N	o

ONE COM.	- · · · · · · · · · · · · · · · · · · ·	
(1) OWNER: (Cont.)	(10) LOCATION OF WELL:	
Name	County Driller's well nu	mber
Address		R. W.M.
	Bearing and distance from section or subdivision	
(2) TYPE OF WORK (check):	Therms and distance from section of subdivision	u corner
New Well Deepening Reconditioning Abandon		· · · · · · · · · · · · · · · · · · ·
If abandonment, describe material and procedure in Item 12.	(11) THAMED I MAYOR CO.	77
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed we	ш.
Rotery C Private C	Depth at which water was first found	ft.
Cable	Static level ft. pelow land st	irface. Date
	Artesian pressure lbs. per square	inch. Date
CASING INSTALLED:Threaded [] Welded []	(12) WELL LOG: Diameter of well b	elow casing
" Diam. from ft. to ft. Gage	Depth drilled ft. Depth of comple	ted well ft.
" Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size a	ad structure of materials;
PERFORATIONS: Perforated?	and show thickness and nature of each stratum with at least one entry for each change of format position of Static Water Level and indicate princ	and aquifer penetrated,
Type of perforator used	MATERIAL	
Size of perforations in. by in,	Claystone-Sandstone seams-	300 340 32
	Water	300 340 32
	Sand-Fine-Gray-Blank	340 345 -
perforations fromft. toft.	- and - Ine-ally-Diank	<del></del>
(F) CORRESPO		
(7) SCREENS: Well screen installed?   Yes   No		
Manufacturer's Name	at at	
Type Model No.		
Diam. Slot size Set from ft. to ft.		9
Diam. Slot size Set from ft. to ft.		
(8) WELL TESTS: Drawdown is amount water level is		
TOMELEG DETOM SERVIC TEAST	HECEIVED	
Was a pump test made?  Yes No If yes, by whom?	- I OLIVLD	
Yield: gal./min. with - ft. drawdown after hrs.	10° 2 1 2002	<del></del>
" " "	001 / 1 2002	
n	WATER RESCURCES DEPT.	
Batter test gal./min. with ft. drawdown after hrs.	SALEM, OREGON	
Artesian flow g.p.m.		
perature of water Depth artesian flow encounteredft.		
	Work started 19 Completed	19
(9) CONSTRUCTION:	Date well drilling machine moved off of well	19
Well seal—Material used	Drilling Machine Operator's Certification:	
Well sealed from land surface to ft.	This well was constructed under my Materials used and information reported	direct supervision.
Diameter of well bore to bottom of sealin.	best knowledge and belief	move are wife to my
Diameter of well bore below seal in.		Até 19
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	•
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No	
Brand name of bentonite	Water Well Contractor's Certification:	
Number of pounds of bentonite per 100 gallons		
of water lbs./100 gals.	This well was drilled under my jurisdic true to the best of my knowledge and belie	
Was a drive shoe used? ☐ Yes ☐ No Plugs Size: location ft.	Name	
Did any strata contain unusable water?   Yes   No	(Person, firm or corporation)	(Type or print)
Type of water? depth of strata	Address	
Method of sealing strata off	[Signed Bennth Sky	marke /
Was well gravel packed?  Yes No Size of gravel:	(Water Well Contra	ntor)
Gravel placed fromft. toft.	Contractor's License No Date	10
	,	15

NAME OF THE PROPERTY OF THE PR	CLAC	•
NOTICE TO WATER WELL CONTRACTOR  The original and first copy  WATER W	VELL REPORT GIVE CO	· 53
of this report are to be flied with the STATE ENGINEER, SALEM 10, OREGON IV 13 1962 (Flease within 30 days from the date of well completion,	OF OREGON type or print)	-32
of well completion,	State Permit No.	1300
(1) OWNER: Name John Galer,	(11) WELL TESTS: Drawdown is amount wa lowered below static leve Was a pump test made? X Yes \( \backslash \) No If yes, by whom?	
Address Rt.2, Box 346, Canby, Ore.	Yield: 50 gal./min. with 23 ft. drawdown	
	n n	after hrs.
(2) LOCATION OF WELL:	11 11	11
County Clackamas Driller's well number	Bailer test gal./min. with ft. drawdown	after hrs.
14 14 Section 32 T. 48 R. 1E W.M	Artesian flow g.p.m. Date	
Bearing and distance from section or subdivision corner	Temperature of water Was a chemical analysis ma	de? 🗌 Yes 📋 No
750 Ft.North,300 Ft. West of S.E	(12) WELL LOG: Diameter of well below casi	6
corner sec.32.	Depth drilled 70 ft. Depth of completed well	
	Formation: Describe by color, character, size of material of	ind structure, and
	Formation: Describe by color, character, size of material a show thickness of aquifers and the kind and nature of the stratum penetrated, with at least one entry for each characteristics.	material in each nge of formation.
(2) TVPE OF WORK (-11-)	MATERIAL 1	FROM TO
(3) TYPE OF WORK (check):  Despening   Reconditioning   Abandon	A 1017 170 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3
w Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐ abandonment, describe material and procedure in Item 12.		3 23
	clay, gray	23 42
(4) PROPOSED USE (check): (5) TYPE OF WELL:	cuarse brogen sand, gravei	42 63
Domestic A Industrial Municipal Rotary Driven Cable Detted	- Water	63 70
Irrigation   Test Well   Other   Cable   Jetted   Dug   Bored		
(e) CASTNO THOMATTER		
(6) CASING INSTALLED: Threaded Welded 4		
"Diam. fromft. toft. Gage		
Diant from		
(7) PERFORATIONS: Perforated?   Yes  No		
Type of perforator used  Size of perforations in by in		
	DECT	
perforations fromtt toft toft	HECFIVED -	
perforations fromft. toft		
perforations from ft. to ft.	OCT 2 1 2002	3
(8) SCREENS: Well screen installed Yes No	WATER RESOURCES DEPT. SALEM, OREGON	
Manufacturer's Name		
Model No.		
Diam. Slot size Set from ft. to	Work started 10-29- 19 62 Completed 10-3:	1- 62
Diam. Slot size Set from ft. to ft.	Date well drilling machine moved off of well	19
(9) CONSTRUCTION:	(13) PUMP:	
well seal-Material used in seal heavy mud and cement	Manufacturer's Name	
Depth of seal ZU ft. Was a packer used?	Type:	
Diameter of well bore to bottom of seal in.		
Were any loose strata cemented off?   Yes   No Depth	Water Well Contractor's Certification:	
Was a drive shoe used? ☐ Yes ☐ No	This well was drilled under my jurisdiction and	this report is
Was well gravel packed?  Yes No Size of gravel:	are to the pest of my knowledge and belief.	, <u> </u>
Gravel placed fromftftftftft	NAME J.T.Miller	
Did any strata contain unusable water?		or print)
Type of water? Depth of strate	Address EOX 1/5, Aurora, Ure.	107020
Method of sealing strata off	Drilling Machine Operator's License No.	
(10) WATER LEVELS:	1.1 4000 1/10 . 1	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>
Static level 27 ft. below land surface Date /6-29-62	[Signed]	*************
Artesian pressure lbs. per guare inch Date	(Water Well Contractor) Contractor's License No. Date 10 27	_
/DSE ADDITIONAL OF		, 19.62.
(USE ADDITIONAL SH	EETS IF NECESSARY) 7	

The original and first copy of this report WATER WELL REPORT are to be filed with the State Well No. 45/1E-33ck STATE OF OREGON WATER RESOURCES DEPARTMEN Hows SALEM, OREGON 97310 (Please type or print) 3 4(Do not write above this line) within 30 days from the dafe State Permit No. .... of well completion. 10011 (1) OWNER: (10) LOCATION OF WELL: County CLACKAMAS Driller's well number D-247-79 Name TWIN CREEK Farms DON HANSO Address 29385 S. Needy Rd. SE A Section 33 T. 45 1E Canby Oregon 97013 Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): New WellXX Deepening [ Reconditioning | Abandon [7] If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found Driven 📋 Domestic 🗷 Industrial 🗌 Municipal 🗍 ft. below land surface. Date2-25-79 Static level 50 Jetted 🔲 Dug Bored | Irrigation [] Test Well [] Other Artesian pressure lbs, per square inch. Date CASING INSTALLED: Threaded | Welded 250 (12) WELL LOG: " Diam. from 0 Diameter of well below casing ft. to .. Depth drilled ft. Depth of completed well 120 \_\_ ft. to \_\_\_\_ \_ft. Gage ... Formation: Describe color, texture, grain size and structure of materials; ." Diam. from ..... ft. to .... ft. Gage .. and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in PERFORATIONS: position of Static Water Level and indicate principal water-bearing strata. Perforated? Tyes 10. Type of perforator used MATERIAL. Size of perforations in. by topsoil O 1 perforations from \_\_\_\_\_ ft. to \_\_\_\_ clay sandy brown 1 28 clay sandy blue \_\_\_ perforations from \_\_\_\_ 28 63 perforations from ...... ft. to \_\_\_ sand brown 66 63 Exam sand & gravel (7) SCREENS: Well screen installed? ☐ Yes 35 No brown medium 66 70 Manufacturer's Name .... clay sandy blue 70 84 ..... Model No. sand black 84 95 Diam. \_\_\_\_ Slot size \_\_\_\_ Set from \_\_\_\_ sand & gravel blue med 95 109 Diam. Slot size ..... Set from ft. to .... -clay blue 109 Drawdown is amount water level is lowered below static level sand black (8) WELL TESTS: 119 Was a pump test made? Yes No If yes, by whom? gal./min. with total, drawdown after hrs. <del>AUG2 - 1979</del> AIR ROTARY " u WATER RESOURCES DEPT ,, SALEM, OREGON Bailer test gal./min. with ft. drawdown after SALEM, OREGON Artesian flow g.p.m. perature of water Depth artesian flow encountered .... Work started Date well drilling machine moved off of well (9) CONSTRUCTION: 7-25 19 79 Well seal-Material used ... Cement Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my Well sealed from land surface to \_\_\_\_\_\_20 Diameter of well bore to bottom of seal ... best knowledge, and belief. W( 16 Date 7-31 , 1979 Diameter of well bore below seal ..... (Drilling Machine Operator) Number of sacks of cement used in well seal .... How was cement grout placed pressure grouted Drilling Machine Operator's License No. . Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Was a drive shoe used? 🔄 Yes 🗌 No Plugs ........... Size: location ...... S & M DRILLING & SUPPLY, INC. Did any strata contain unusable water 1 Yes No (Person, firm or corporation) 399 S.E. walnut St. Canby, Or. Type of water? depth of strata Method of sealing strata off Was well gravel packed? Tes Tho Size of gravel: 497 Date ... Gravel placed from ..... ft\_to ..... Contractor's License No. ... (USE ADDITIONAL SHRETS IF NECESSARY)

NOTICE TO WATER WELL CONTRACTOR

RECEIPTED IN GIRL CONTRACTOR AC	RECEIVED		1	
of this report are to be filed with the	THE RELL CASE	4	1,,-	737
STATE OF	OREGON APR 2 91977 State Well No		//~	O Jak
within 30 days from the date (Please type	bove this HAER RESOURCES SEEP Permit	No	<i>f</i>	
WATER RESOUROES-DEPT pletion. (Do not write a SALEM OREGON	SALEM, OREGON			
(1) OWNER:	(10) LOCATION OF WELL:			
Name DOUG GINGERICH	1 A 4 1 / A A A A A A		70	1
Address RT   Box 118		number	<u> </u>	4
HUBBARD CIREGON 97032	NE 14 NE 14 Section 32 T. 4-S	R.		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivi-	don corr	er	
New Well				<del></del>
If abandonment, describe material and procedure in Item 12.	(11) WARED TEXTEL COMMITTEE			
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed v	veii.	77	
Rotary Driven D Domestic Of Industrial D Manual D	Depth at which water was first found			1 st.
Cable Dug	Static level 25 ft. below land			726/77
	Artesian pressure Ibs. per squs	re inch.	Date /	
CASING INSTALLED: Threaded Welded D	(12) WELL LOG: Diameter of well	halam a		
O "Diam from the to 12 ft Gage 250"	Depth drilled 77 ft. Depth of comp			7 #L
"Diam from ft. to ft. Gage ft. to ft. Gage	Formation: Describe color, texture, grain size	and stru	cture of 1	matariale:
The Gage	and show thickness and nature of each stratu with at least one entry for each change of forms	un and a	quifer n	heterter
PERFORATIONS: Perforated?   Yes   No.	position of Static Water Level and indicate pri	ncipal w	port each iter-bea <del>rl</del>	cnange in ng strata.
Type of perforator used	MATERIAL	From	To	SWL
Size of perforations in. by in.	TOP SOIL	0	2	
perforations from ft. to ft.	BROWN CLAR	2	13	
perforations fromft. toft.	SAND AND BROWN			
perforations from ft. to ft.	C/AY	13	29	
(7) SCREENS: , Well screen installed? N Yes   No	BLUE CLAY	29	31	
Manufacturer's Name SCHNSCN	BROWN CLAY AND	-	77	
Type	SANO RUES	31 41	50	
Diam. 5 Slot size C Set from 72 ft. to 77 ft.	CEMENTED (TRAVEL	60	52	
Diam. Slot size Set from ft. to ft.	BIVE CLAY	52	67	
(8) WELL TESTS: Drawdown is amount water level is	SUFT BLUE			u u
lowered below static level  Was a pump test made? ☐ Yes No If yes, by whom?	SANDSTONE	67	72	
	LOESE SAND	12	77	28
d: gal./min. with ft. drawdown after hrs.				
		<del>                                     </del>		
Bailer test 35 gal./min. with 9 ft. drawdown after 1 hrs				
A second of the				
	1/22 27	L	/	
perature or water Depth artesian flow encountered ft.	Work started 4/22 19 / Complet	ed 4	126	19 77
(9) CONSTRUCTION:	Date well drilling machine moved off of well	4/	27	<u> 19 7</u> 7
Well seal-Material used SENTCNITE	Drilling Machine Operator's Certification:			
Well sealed from land surface toft.	This well was constructed under my Materials used and information reported	direct	super	vision.
Diameter of well bore to bottom of seal in.	best knowledge and belief.		1/27	to my
Diameter of well bore below sealin.	[Signed] (Brilling Machine Operator)	Date	721	, 19.77
Number of sacks of cement used in well seal sacks  Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.	3.	29	
Rumber of sacks of bentonite used in well seal sacks  Brand name of bentonite NATIONAL				
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
of water lbs./100 gals.	This well was drilled under my jurisd true to the best of my knowledge and bel	iction ar	nd this r	eport is
Was a drive shoe used? Yes No PlugsSize: location ft.	Name FUR WELLRU	742%		ı
Did any strata contain unusable water? DY X No	(Person, firm or corporation)	(C	pe or pri	
Type of water? depth of trata	Address 6350 SE DECWNL	ee,I	VIIIU!	AUKIE
Method of sealing strata off	[Signed]	_ '		
Was well gravel packed? ☐ Yes No Size of gravel:	(Water Well Contr	actor)		
Gravel placed fromft toft.	Contractor's License No. Date	42	<u> </u>	, 19.77
(USE ADDITIONAL SHI	ERTS IF NECESSARY)	1		

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the

TSTATE OF OREG

STATE ENGINEER, SALEM, OREGON within 30 days from the date of well completion.

(Please type or print)

Do not write above to The TE ENGINEER ermit No. 202 SALEM OREGON (10) LOCATION OF WELL: 204 County Clackamas 202 Driller's well numbe % Section 32 <sub>T.</sub>4S W.M. Bearing and distance from section or subdivision corner (11) WATER LEVEL: Completed well. 55 Depth at which water was first found Static level 30 ft. below land surface. Date 5 Artesian pressure lbs. per square inch. Date (12) WELL LOG: Diameter of well below casing Depth drilled 64 ft. Depth of completed well 63 Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata. MATERIAL From To SWL. Soil, Brown 2 O 2 28 O<del>lay, Brown</del> 28 35 Clay, Gray River Rock, Cemented 35 55 Sand, Gravel, 63 55 <del>50</del> WATER RESOURCES DEPT. SALEM, OREGON Work started 5/3/73 Completed 5/3/73 19 Date well drilling machine moved off of well 19 Drilling Machine Operator's Certification: This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief. Date 5/9/73 [Signed] 2 BLOOL MACHINE Operat g Machine Operator) 681 Drilling Machine Operator's License No. Water Well Contractor's Certification: This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Name Harvey Blackman Gerson, firm or corporation) (Type or print) Address Rt Oregon 5/9/73 Contractor's License No. 537

**Date** 

(1) OWNER:	
Name Richard Hunr	ri cut
	-A, Canby, Oregon
(2) TYPE OF WORK	•
	Reconditioning   Abandon
If abandonment, describe mate	rial and procedure in Item 12.
(3) TYPE OF WELL:	(4) PROPOSED USE (check):
Rotary Driven	Domestic 🗷 Industrial 🛘 Municipal 🗍
Cable	Irrigation   Test Well   Other
X areas areas	
CASING INSTALL	ED: Threaded □ Welded ■
	) ft. to 57 ft. Gage •250
	ft. to ft. Gage
Diam. from	ft. toft. Gage
PERFORATIONS:	Perforated? 🗌 Yes 🏯 No.
Type of perforator used	
Size of perforations	in. by in.
perforations fro	om ft. to ft.
perforations from	om ft. to ft.
perforations from	omft. toft.
(7) SCREENS: Well	ll screen installed? 🗌 Yes 🗮 No
Manufacturer's Name	800
	Model No.
Diam Slot size	. Set from ft. to ft.
Diam Slot size	The state of the s
(8) WELL TESTS:	
(8) WELL TESTS: Was a pump test made?   Yes	Drawdown is amount water level is lowered below static level
Was a pump test made?   Ye	Drawdown is amount water level is lowered below static level
Was a pump test made?   Ye	Drawdown is amount water level is lowered below static level  No If yes, by whom?
Was a pump test made?   Ye	Drawdown is amount water level is lowered below static level  E No If yes, by whom?  with ft. drawdown after hrs.
Was a pump test made? ☐ Ye	Drawdown is amount water level is lowered below static level  B. No. If yes, by whom?  With ft. drawdown after hrs.  """"  """  """  """  """
Was a pump test made?   Ye  Id: gal./min.  "  Bailer test 25 gal./min	Drawdown is amount water level is lowered below static level  No If yes, by whom?  with ft. drawdown after hrs.  """  """  n. with 2 7 ft. drawdown after 1 hrs.
Was a pump test made?   Year and year a	Drawdown is amount water level is lowered below static level  B No If yes, by whom?  with ft. drawdown after hrs.  """  ""  "  "  "  "  "  "  "  "  "  "
Was a pump test made?   Year test gal./min.  Bailer test 25 gal./min  estan flow  sperature of water Dep	Drawdown is amount water level is lowered below static level  No If yes, by whom?  with ft. drawdown after hrs.  """  """  n. with 2 7 ft. drawdown after 1 hrs.
Was a pump test made?   Yeld: gal./min.  Bailer test 25 gal./min  estan flow sperature of water Dep  (9) CONSTRUCTION:	Drawdown is amount water level is lowered below static level  B. No. If yes, by whom?  With ft. drawdown after hrs.  """  """  ""  ""  ""  ""  ""  ""  ""
Was a pump test made?   Yeld: gal./min.  Bailer test 25 gal./min  estan flow  aperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bell	Drawdown is amount water level is lowered below static level  No If yes, by whom?  With ft. drawdown after hrs.  " " " " " " " " " " " " " " " " " "
Was a pump test made?   Gal./min.  Bailer test 25 gal./min  estan flow sperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bell Well sealed from land surface	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  with ft. drawdown after hrs.  "  "  "  "  "  "  "  "  "  "  "  "  "
Was a pump test made?   Gal./min.   Bailer test 25 gal./min  estan flow sperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bel  Well sealed from land surface to Diameter of well bore to botto	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  With ft. drawdown after hrs.  """  """  ""  ""  ""  ""  ""  ""  ""
Was a pump test made?   Gal./min.  Bailer test 25 gal./min  estan flow sperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bel  Well sealed from land surface to Diameter of well bore to botto Diameter of well bore below	Drawdown is amount water level is lowered below static level  E No If yes, by whom?  With ft. drawdown after hrs.  """  ""  ""  ""  ""  ""  ""  ""  ""
Was a pump test made?   Gal./min.   Bailer test 25 gal./min  estan flow  sperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bel  Well sealed from land surface of botto  Diameter of well bore to botto  Diameter of well bore below of sacks of cement uses	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  with ft. drawdown after hrs.  " " " " " " " " " " " " " " " " " "
Was a pump test made?   Reld: gal./min.  Bailer test 25 gal./min  Bailer test 25 gal./min  Bailer test 25 gal./min  Construction:  Well seal—Material used Bel  Well sealed from land surface to bottoo  Diameter of well bore to bottoo  Diameter of well bore below to bottoo  Number of sacks of cement use  Number of sacks of bentonite to	Drawdown is amount water level is lowered below static level  E No If yes, by whom?  with ft. drawdown after hrs.  " " " " " " " " " " " " " " " " " "
Was a pump test made?     Yeld: gal./min.	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  With ft. drawdown after hrs.  """  """  """  ""  ""  ""  ""  ""  "
Was a pump test made?   Reld: gal./min.  Bailer test 25 gal./min  Bailer test 25 gal./min  Bailer test 25 gal./min  Construction:  Well seal—Material used Bel  Well sealed from land surface to bottoo  Diameter of well bore to bottoo  Diameter of well bore below to bottoo  Number of sacks of cement use  Number of sacks of bentonite to	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  With ft. drawdown after hrs.  "  "  "  "  "  "  "  "  "  "  "  "  "
Was a pump test made?     Yeld: gal./min.	Drawdown is amount water level is lowered below static level  s No If yes, by whom?  with ft. drawdown after hrs.  " " " " " " " " " " " " " " " " " "
Was a pump test made?     Yeld: gal./min.	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  with ft. drawdown after hrs.  "  "  "  "  "  "  "  "  "  "  "  "  "
Was a pump test made?   Gal./min.   Bailer test 25 gal./min  estan flow  sperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bell  Well sealed from land surface of biameter of well bore to botto  Diameter of well bore below of biameter of sacks of cement used  Number of sacks of bentonite will  Number of pounds of bentonite of water  Was a drive shoe used? Xes  Did any strata contain unusab	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  with ft. drawdown after hrs.  "  "  "  "  "  "  "  "  "  "  "  "  "
Was a pump test made?   Gal./min.  Bailer test 25 gal./min  estan flow sperature of water Dep  (9) CONSTRUCTION:  Well seal—Material used Bel  Well sealed from land surface of biameter of well bore to botto Diameter of well bore below of biameter of sacks of cement use  Number of sacks of cement use  Number of sacks of bentonite to brand name of bentonite to bentonite of water  Was a drive shoe used? If yes  Did any strata contain unusable  Type of water?	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  with ft. drawdown after hrs.  "  "  "  "  "  "  "  "  "  "  "  "  "
Was a pump test made?     Yes   Yes	Drawdown is amount water level is lowered below static level  E No If yes, by whom?  with ft. drawdown after hrs.  " " " " " " " " " " " " " " " " " "
Was a pump test made?   Gal./min.  Bailer test 25 gal./min  estan flow sperature of water Deg  (9) CONSTRUCTION:  Well seal—Material used Bel  Well sealed from land surface to Diameter of well bore to botto Diameter of well bore below to Number of sacks of cement use Number of sacks of bentonite to Brand name of bentonite to Brand name of bentonite to Was a drive shoe used? Eyes Did any strata contain unusabi  Type of water?  Method of sealing strata off  Was well gravel packed?   Yes	Drawdown is amount water level is lowered below static level  E. No. If yes, by whom?  with ft. drawdown after hrs.  "  "  "  "  "  "  "  "  "  "  "  "  "

B	ECEIVE	ED 📆	ECEI	VE.	Skyle	s Drillir Molali	ig. Inc. CLAC	10			
WATE	R RESCHE	DEFOREGON J UPPLY WELL BOOKS 534000 TEX	IUN - 2 ] REPORT	997 <sub>O</sub>	regon	City, O	R 97045	(START CARD) #.		83	
. 8	SALEMANORIGE	for completing the	NEED, VOR	BOH	page of th	is form.		(Olimici Charb) W.			
₹.	(1) OWNER:	53		Well Num	ber	01	(9) LOCATION OF	WELL by legal desc	ription:		
_	Address 104	y Martishe 10 Tierra	Lwnn D				Count Clackan	AS Latitude	L	ongitude_	
1		odburn	_	Or.	Zip	97071	Section 32	th N or S RangeNW 1/4	1 Kas NW	<u>t</u> Eo	r W. WM.
	(2) TYPE OF	WORK					Tax Lot 500 L			1/4 Subdivision	,
		Decpening Alt	eration (repair/	recondition	on) 🗌 Abs	undonment	Street Address of Well	(or nearest address)		s.	Barlo
	(3) DRILL M	Rotary Mud	C)C-N-	Auge	_		(10) CD (10) C (11) C	Can	by, O	r.	
		olte	L. Cable	☐ VenRe	T .		(10) STATIC WATER	CLEVEL: ow land surface.		D E :	17 07
	(4) PROPOSI						Antesian pressure	lb. per squar	e inch.	Date 3-	17-97
	Domestic		Industrial	_	rigation		(11) WATER BEARD	NG ZONES:			
, >	Thermal (5) RORE H	☐ Injection  OLE CONSTRU	Livestock		ther			521			
		ction approval Ye		h of Com	pleted Wei	1 235ft	Depth at which water was	first found	<del></del>		
	Explosives used	Yes No T	уре	Arr	ount	4.4.4.4	From	To	Estimate	d Flow Rai	e SWL
	HOLE		SEAL				57'	74'	40		30
()	12" 0	18 Bento	ried From		Sector or p		971	112'	100		30
$\circ$	93** 18	250	MALE IO		IO Sa	CKS	223'	249'		200	30
,	93" 210	6225 Cemen	t 223	216	6 sac	ks			<del></del>		
							(12) WELL LOG:				
	How was seal place	at Poured	[]A []	В 📋		) DE	Ground	Elevation			
	Backfill placed f	rom <u>250</u> ft. to	235 ft.			grave.	Material		From	To	T 67977
	Gravel placed fro	omfi. to_	ft.	Size of	. 18 s	acks	Clay Brown S		O	5	SWL
	(6) CASING/	_	_					•			
	Casing: 8 <sup>10</sup>	+2 229	Gauge Steel	Plastic		Threaded	Clay Brown		6	57	
	Cashing						Sand Brown				-
									57	74	+
	Liner: None		므				Clay Gray		74	97	
	III.G. INOME			님			G3 G		<del>                                     </del>		
-	Final location of						Sand Gray Me	d Some Grav	<b>-197</b>	112	
$\bigcirc$	_	TIONS/SCREEN	is:				Clay Gray		112	223	
	Perforation Screens			Mate	-:-1						
	From , To	Type Slot size Number	Di	Tele/pipe			Sand Cemente	d Gray Med	223	249	30
_	None	1400000	Diameter	size	Casing	Liner	Clay Gray		240	250	<del>  </del>
()			-							250	
					- 📙						
			<b>†</b>		-				-		
					- LJ				l		
(	(8) WELL TES	STS: Minimum to	esting time is	1 hour			Date started 5-8-97	Comple	od 5_1	7-97	
	Pump	Bailer :	<b>⊠</b> Air		Flow		(unbonded) Water Well Co		n:		
	Yield gal/min	Drawdown	Drili stem	at	Artes	ime	I certify that the work I p	erformed on the constru- with Oregon water sup	ction, altera ply well con	tion, or abs struction a	indonment tandards.
	200		220			hr.	Materials used and informat and belief.	ion reported above are i	rue to the be	est of my k	nowledge
		824					7	10/1	WWC Num	ber 553	3
;	Temperature of wa	eter 560 1	Depth Artesian	Dan P.	<u></u>	·	Signed //	de kula		)ate <u>5</u>	23-97
	Was a water analy		es By whom	OT WULT	mua		(bonded) Water Well Cons				
1	Did any strata con	tain water not suitab	le for intended	use?	Too lit	tle	I accept responsibility for performed on this well during	ig the construction dates	reported al-	we Allw	nek
		ldy Odor O	Colored [	Other			performed during this time i construction standards. This	s report is true to the bes	egon water t of my kno	supply well wledge and	l belief.
1	Depth of strata:		<del></del>	<del></del> .			4	- PI 1	WWC Num	ber 159	2
ċ	ORIGINAL & F	IRST COPY-WAT	ER RESOUR	CES DE	PARTMI	ENT SEC	Signed (SOND COPY-CONSTRUC	TOP THIPD CO			<u>23-97</u>

15113 8 900 0 0



#### **MEMORANDUM**

DATE:

10/30/2002

TO:

File G-15567

FROM:

Donn Miller, Hydrogeologist (503.378.8455 x205)

SUBJECT:

Well Enforcement Request Evaluation

I have spoken to Tracy Eichenlaub of enforcement, reviewed the captioned file and studied the request for enforcement on well construction letter dated 10/18/2002.

Malia and Gregory Kupillas wrote the request letter on behalf of the applicant, Joel Neuschwander. Most certainly, the request wishes to accomplish more than just well reconstruction at the driller's expense. The application seeks 720 gpm from two wells for nursery use. The application has been impeded based on my analysis of gw/sw interactions per basin rule and division 9 assessments and surface water availability limitations. From the letter, I must assume that the request is ultimately part of the permitting objective of the application.

If the real interest is permitting, I will jump ahead to that issue. I am not confident that the reconstruction solves the permit issuance problem. I indicated in my email to Malia on July 22, 2002 that the well construction issue is separate from the division 9 issue (sw/gw interaction assessment). Based on the request and my reconsideration of the file, I confirm that position. Development will interfere with surface water flows in Bear creek and the nearby tributary. I conclude that the proposed well reconstruction will not be sufficient for the application to obtain a favorable gw/sw interaction assessment per division 9.

In my view, there is some merit in the request for accomplishing proper well construction. Frankly, the cross-sectional analysis doesn't do much for me. The upper aquifer/lower aquifer matter is still debatable. My focus would be on the internal inconsistencies on the well reports. For well #1 (CLAC 12700), what's the deal with first water at 31 feet, two water bearing-zones with 30' swl's and the resulting swl of 29 feet. Based on that, the perceived well misconstruction would seem to be improper sealing off an upper aquifer. For well #2 (CLAC 51287), how do you get first water at 40 feet, seal to 50 feet, take from that first water unit (38-54 feet) and deeper units, and get a final swl of 47 feet? Some commingling seems to be occurring at face value. The well start and completion dates seem odd but could play into the construction issue somehow. I have no views on the matter of continued driller responsibility.

Taking these matters as a whole, the outlook for ground water permitting is bleak and the well reconstruction matter is pretty much off point to that.

## RECEIVED

-1a					JE		TAGE	- /	020	78	
	CON	6	LAC	_	IΛN	- 9 1997	•	100		0	<del></del>
STATE OF ORI WATER SUPPLY (as required by ORS 5	WELL REPO	ORT 5	28	7	JAN	- 0 133/	(START CARE	n# 6:	2424		
(as required by ORS	537.765)	<i>-</i>		LAWAI	ER RE	SOURCES DE	PT.	,			
(as required by ORS : Instructions for com	pleting this report	are on the l	ast page of	LIIIS 107 I	SALE	M. OREGON.	OF WELL by legal	tescriptic	m:		
(1) OWNER:			Number		1	(9) LOCATION	KAMAS Latitude	zeaci ipu	Longit	ude	
	der's Nursery					Township 49	N or S Rai	ge 1e		E or W.	WM.
Address 6097 S. W		<u>ld</u>	Or	7in 970	72	Section 32	Se	1/4	Nw 1.	14	
City Hubbard		ate	ur	LIP TIY	<u> </u>	Tax Lot 900	) Lot Blo	ck	Subd	livision	
(2) TYPE OF WOR	N ning □ Alteration	(renair/reco	ndition)	Abandon	ment	Street Address	of Well (or nearest addre	ıs)			
(3) DRILL METHO	D:	(1-1-1-1-1				29435 S			<del></del> ;		
Rotary Air Ro	Mary Mud X Ca	ble 🔲	Auger		1	(10) STATIC W	ATER LEVEL:		De	s San	10, 199
Other							ft. below land surface.			te <u> </u>	
(4) PROPOSED US	E:					Artesian pressu	relb. per EARING ZONES:	square me			
Domestic C	ommunity 🔲 Inc		[ Irrigation			(II) WAIER D	EARTH BOLLES				
Thermal In		vestock	Other			Depth at which was	er was first found	40			
(5) BORE HOLE ( Special Construction a	CONSTRUCTION OF THE	No Dentho	f Complete	d Well	40 ft.						T
Special Construction ap	pprovat res	140 Debare	Amount			From	То		Estimated	Flow Rate	SWL
HOLE	es	SEAL	_			40	140				47
Diameter From To	Material		To Sac	ks or pour	rds.						
12   1   30	Bentonite	1 50	0	35 sa	BEKS						
8 50 14	0					<del> </del>		_			
					□B	(12) WELL LO	)G: Ground Elevation				
How was seal placed:	Method _	]A	С	□Þ	□• □		Olonia Elevation				
M Other Granul	<u>ar Bentonite</u>	method	Material				Material		From	То	SWL
Backfill placed from	10 ft. to		Size of grav	vel nea		Soil			_1	3	
Gravel placed from  (6) CASING/LIN	60 11. 10_120		8			Clay, B			3	38	<del> </del> -
* *	From To Gau	uge Steel	Plastic W	elded T	hreaded	Cemente	d <u>oravel, brown</u>		38	54	
8	From To Gas 0   140   .2	25		曲			rey		54	58	
Casing							rey, sandy		<u>58</u> 60	69	
							lack, fine		69	71	
						Sano an	d gravel, black d gravel, sand		71	74	
Liner:			H			Cand to	oravel		74	95	
				Ш	L	Clay, b			95	98	
Final location of shoe	(s) 140					clav. o	rey, silty		98_	101	<b></b>
(7) PERFORATION		rive Down	n				ark orey		101	108	ļ
Perforations Screens	Method Type		Materia	al		Clay w/	black coarse san	<u>d</u>	108	116	
_		Diameter	Tele/pipe size	Casing	Liner		rey w/some cemen	ted ora		136	+
75°   119	Slot Number	Diameter				Clay, t	lue		136	140	+
1						11	/ :b fa	nd nach	cide o	+	+
J — — — — — — — — — — — — — — — — — — —							6 inch gravel fe	ed each	PIGE 0	<del>'</del>	
				. 📙		8 inch	Well			1	
			<u> </u>	. <u> </u>							
			is 1 hour	_		Date started	August 8, 1996	Comple	tedD	ec 10,	1996
(8) WELLTEST	S: Minimum te	sting time	13 1 11041	***	•	(unbonded) Wa	ter Well Constructor (	Certification	n:		
	□ Reiler	☐ Air		Flov Ante		1	A I madesmad or	the constr	nction alte	ration, or a	bandonmen
Pump	Bailer Drawdown	Drill ster	m at		Time		compliance with Oregonal information reported				
Yield gal/min	DISMUOMII	air lir			1 hr.	and belief.					
220		105		4 hr		.			WWC N		
						Signed		4161 - 43		Date	
Temperature of water		Depth Artesia		und		(bonded) Water	r Well Constructor Ce	rumcation:	: 	handanmer	nt work
Was a water analysi	is done?	es By whom	n			"  Cad cos tl	consibility for the constraints well during the const	rucuon au	es reduricu	SOUTE AL	7 44 A1W
Did any strata conta	in water not suitab	le for intend	ed use?	Too 1	ittle		ng this time is in compli			nowledge	and belief.
Com. DMudd	v Modor M	Colored [	Other			_ 1 construction su		/		~	117

Salty Muddy Odor Colored Other

Depth of strata:

STATE OF OREGON
WATER WELL REPORT

JUN 37 1988

012700

To size Number Diameter size Casing Liner  8	
Township 4.5 Nor.S. Range.   E   Eor W   Section   Abandon   State QL   Zip	
Section 32 No. Sectio	
Second   Capper   C	WM.
Street_Address of Well (or pearest-piddress)   Street_Address of Well	
Cate   Community   Industrial   Frightion   Cable   Cate   Community   Industrial   Frightion   Cate   Ca	
Community   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Industrial   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Infrigation   Community   Comm	
Commonity   Industrial   Integration   Date   Dat	
Artestan pressure   Industrial   Irrigation   Date   Dat	/
Artestan pressure   Industrial   Irrigation   Date   Dat	<u> 188</u>
Depth at which water was first found   State	
Depth at which water was first found   3/2	
Special Construction approval Yes No Depth of Completed Well 154 ft.    Prom	
Explosives used    Hole	03177
HOLE  HOLE  SEAL  Amount  HOLE  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  Amount  SEAL  SEAL  Amount  SEAL  SEAL  Amount  SEAL  SEAL  SEAL  Amount  SEAL  SEAL  SEAL  Amount  SEAL	SWL
HOLE    SEAL   Seal   S	30
Section of shoe(s)   1.5   Side   S	30
Second elevation   Solid   Serving	
How was seal plaged: Method   A   B   C   D   E	
How was seal placed: Method   A   B   C   D   E	
How was seal placed. Method   A   B   C   D   E   Other   CRANCICAR   SENTIAL TE METHOD   Beckfill placed from   ft. to   ft.   Material   Gravel placed from   7.5   ft. to   90   ft.   Size of gravel   EA    (6) CASING/LINER:  Diameter   From   To   Gauge   Steel   Plastic   Welded   Threaded   Casing:   8   o   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   D   Casing:   8   O   ISY   2.250   E   Casing:   8   O   ISY   2.250   E   Casing:   8   O   ISY   2.250   E   Casing:   8   O   ISY   2.250   E   Casing:   8   O   ISY   2.250   E   Casing:   8   O   ISY   2.250   E   Casing:   8   O   ISY   2.250   E   Casing:   8   ISY   ISY   ISY   Casing:   8   ISY   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY   ISY   Casing:   15   ISY	SWL
Other   SRANULAR   SENTINITE METHOD    Backfil placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Material     Gravel placed from   ft. to   ft.   Gravel placed from   ft.   Gravel	
Backfill placed from ft. to ft. Material  Gravel placed from 25 ft. to 90 ft. Size of gravel FEA  (6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded  Casing: 8 0 154 2550	<b></b>
Gravel placed from 25 ft. to 90 ft. Size of gravel FEA  (6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded  Casing: R o 154 2250 F	
(6) CASING/LINER:  Diameter From To Gauge Steel Plastic Welded Threaded Casing: 8 0 154 250 E E E Casing: 8 0 154 250 E E E Casing: 8 0 154 250 E E E E Casing: 8 0 154 250 E E E E E E E E E E E E E E E E E E E	<b>-</b>
Diameter From To Gauge Steel Plastic Welded Threaded Casing: ** O 154 250 B	
Casing: 8 0 154 250 B	<del>                                     </del>
Clay Green   Cla	
Liner:    CLAY GREY W/GLEY 105 115 132   CLAY GREEN 15 12 144   CLAY GREEN 152 144   CLAY GREEN 152 144   CLAY GREEN 152 144   CLAY GREEN 152 144   CLAY GREEN 157 154   CLAY GRE	
Liner:    Clay Green   154	
Liner:    Clay Green   132   144     Signature   Size   Size   Casing Liner     Stand Cayers   132   144     Size   Number Diameter   Size   Casing Liner     Stand Cayers   154   157     Clay Green   154   147     Clay Blue Green   157   159     Clay Blue Green   157   157     Clay Blu	
(7) PERFORATIONS/SCREENS:    Perforations   Method   DRIVE   DOLLAY	
(8) WELL TESTS: Minimum testing time is 1 hour    To perforations   Method   DRIVE   DOWN   Date started   Date with Oregon well construction, alter abandonment of this well is in compliance with Oregon well construction, alter abandonment of this well is in compliance with Oregon well construction, alter abandonment of this well is in compliance with Oregon well construction.	
Perforations   Method   DRIUE   DOUNG     Screens   Type   Material     Material   Method   DRIUE   DOUNG     Material   Method   DRIUE   DOUNG     Material   Method   DRIUE   DOUNG     Material   Method   DRIUE   DOUNG     Material   Method   DRIUE   DRIUG   Flowing     Material   Method   DRIUE   DOUNG     Material   Method   DRIUE   DRIUG   Flowing     Material   D	
Screens  Type  Material  Tele/pipe size  Casing Liner  8	
Slot Size Number Diameter Size Casing Liner  8	4
(8) WELL TESTS: Minimum testing time is 1 hour    Residual Complete   Property   Propert	L
(8) WELL TESTS: Minimum testing time is 1 hour  Flowing  Flowing  Flowing  Air  Parks  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Air  Air  Flowing  Air  Flowing  Air  Air  Flowing  Air  Flowing  Air  Air  Air  Air  Flowing  Air  Air  Air  Air  Air  Air  Air  Ai	AUE
(8) WELL TESTS: Minimum testing time is 1 hour  Flowing  Flowing  Air  Air  Air  Air  Air  Air  Air  Ai	Ores
(8) WELL TESTS: Minimum testing time is 1 hour  Flowing  Flowing  Air  Air  Air  Air  Air  Air  Air  Ai	Spu
(8) WELL TESTS: Minimum testing time is 1 hour  Flowing Flowing abandonment of this well is in compliance with Oregon well construction.	
(8) WELL TESTS: Minimum testing time is 1 hour  Flowing  Share The state of the work I performed on the construction, alter abandonment of this well is in compliance with Oregon well construction.	
(8) WELL TESTS: Minimum testing time is 1 hour    Constructor Certification:   I certify that the work I performed on the construction, alternation   I certify that the work I performed on the construction, alternation   I certify that the work I performed on the construction, alternation   I certify that the work I performed on the construction, alternation   I certify that the work I performed on the construction   I certify that the work I performed on the certification   I cert	-
(8) WELL TESTS: Minimum testing time is I hour  I certify that the work I performed on the construction, alter abandonment of this well is in compliance with Oregon well con	
abandonment of this well is in compliance with Oregon well con	ation c
	struction
Yield gal/min Drawdown Drill stem at Time standards. Materials used and information reported above are true to knowledge and belief.	my bes
WANG No. 1	
Signed	- 2
(bonded) Water Well Constructor Certification:	
I accept responsibility for the construction, alteration, or shan	donmen
work performed on this well during the construction dates reported	hove al
Was a water analysis done?	on we
Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other	Lige and
Depth of strata: Signed Luck Date \$/25/	88
WHITE COPIES - WATER RESOURCES DEPARTMENT  YELLOW COPY - CONSTRUCTOR  PINK COPY - CUSTOMER	0000

# NOTICE OF BEGINNING OF WELL CONSTRUCTION (as required by ORS 537.762) WATER RI

elivered to the Wate nent of each well:	mpleted signed by both r Resources Departmen	1, 2, 2 it built to commend	Attlatte of construction	A. A. B.	
	-1 - 12-10		او م		
Owner's Name and Mailing Address	0	SHUSKAY HIL	. 2s		
the state of	HUBBARD D	Ri,		<b>W</b> .	
a trib	<b>,</b>	A Section Section			
a track of	ement Date	2,1288	in the second	و	· · .
Proposed Well Depth and Use:		Diameter	22. 1 2.12	the state of the s	ا دله پد ا
C Domestic Thermal	☐ Community	y ショント □ Indi ・ スキッシ □ Oth このよれる	erasion was a	四rrigation	istania .
Proposed Well Locat		ACKAMAS	to the first terms of the first	10 - 10	
Township 4	S (N of S) > C	17 7 July 11 11 11 11 11 11 11 11 11 11 11 11 11	(E or W)	Section 3.2	, .
area mente de las. Entre mente de las des	303730 x 3	" L'3112 /	above section	23'6 PZ1' 3	r.
At least 2	well location				
of these must be provided	3. tax lot number	VI 1800 185	mad to the charge	in the Calmana. in Post page since	
\$ 2 × 5 × 5	1	A NAME OF THE PARTY OF THE PART		ar in grad reliated	
a the second of the second of	4. aπach approve	his form for approved			11-2. 11-1
	at we have read the back	6350 HA		r knowledge the info	
provided herein is a	ccurate and the well is b	eing properly locate	ed from septic tanks	and septic drain fie	olds.
x bol he	uschwant	- x_	Kuharl 1	Buh	i
7 0	Owner's Signature		7./:	er Well Constructor	
4/14/8	8 Title		nse No npany	Wen Dem	ואנו
Date			onsible for obtaining	1,44 44 14.1	130

Water Resources Department if required.

Form 537.762 1987

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

**MEMORANDUM** 

DATE:

11/20/2002

TO:

File G-15567, Joel Neuschwander

FROM:

Donn Miller, Hydrogeologist (503.378.8455 x205)

SUBJECT:

**GW/SW** Considerations Affirmed

The applicant has not proposed to modify his application. There is an implication of such in the Kupillas' letter of 10/18/02. The purpose of this memo is to address the issue in advance of an application amendment and to package that information with the reconstruction request response.

The "proposed" reconstruction will not alter my conclusion that the application proposal will have the potential for substantial interference with surface water. The wells would still develop a source that is hydraulically connected with Bear Creek or a tributary of Bear Creek.

STATE OF OREGON Water Resources Department 158 12th St. N.E. Salem, OR 97310

#### **MEMORANDUM**

DATE:

10/30/2002

TO:

File G-15567

FROM:

Donn Miller, Hydrogeologist (503.378.8455 x205)

SUBJECT:

Well Enforcement Request Evaluation

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Taking these matters as a whole, the outlook for ground water permitting is bleak and the well reconstruction matter is pretty much off point to that.

X-Originating-IP: [172.193.76.88]

From: "Scott Ashcom" <ashcoms@msn.com>

To: <jerry.w.gainey@wrd.state.or.us>

Subject: G-15567

Date: Fri, 14 Jun 2002 12:17:04 -0700 X-Mailer: MSN Explorer 7.00.0021.1900

X-Security: MIME headers sanitized on funnel See http://www.impsec.org/email-tools/sanitizer-intro.html

for details. \$Revision: 1.133 \$Date: 2002-01-05 17:09:21-08

X-OriginalArrivalTime: 14 Jun 2002 19:19:41.0701 (UTC) FILETIME=[6F107B50:01C213D8]

14 June 2002

To: Jerry Gainey From: Scott Ashcom

Agent for Joel Nueschwander

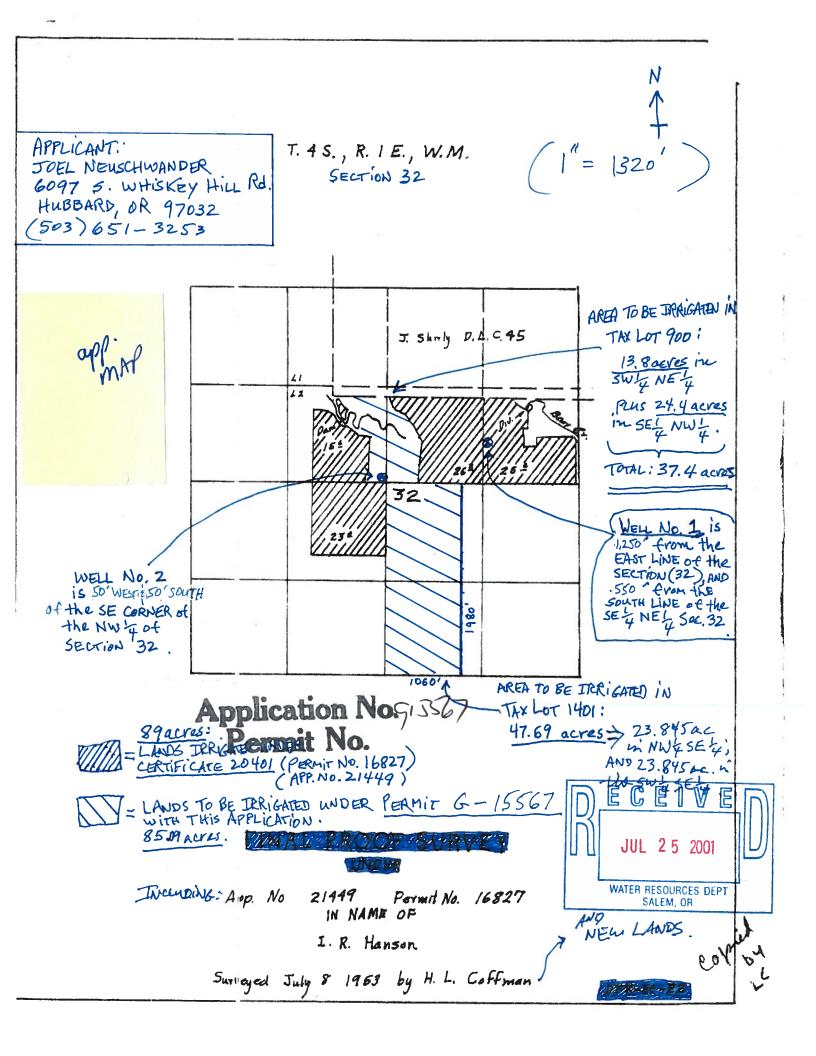
Jerry:

Please open the attachment. Thank you.

- Scott Ashcom

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Nueschwander Letter Mid-June.doc



#### Pacific Hydro-Geology Inc.

18477 S. Valley Vista Rd. Mulino, OR 97042 (503) 632-5016

RECEIVED OCT 2 1 2002

WATER RESOURCES DEPT. SALEM, OREGON

October 18, 2002

time out til Dec. 17,02 prop devied substantial interference telled to Down 10-28, he'll telk W/Fred

**Oregon Water Resources** Ms. Tracy Eichenlaub 158 12th Street NE Salem, Oregon 97310-0210

Re: Request for enforcement on well construction for two wells proposed for use

under Water Right Application G-15567

Dear Ms. Eichenlaub:

The purpose of this letter is to submit information on behalf of Mr. Joel Neuschwander, the applicant for ground water Application G-15567, for an evaluation of the construction of two wells (CLAC 12700 and CLAC 51287). If the construction of these two wells (Neuschwander wells) is found to be in violation of state laws, we would request enforcement action against the driller who constructed the wells. The Department has recommended that Application G-15567 be denied because of potential interference with nearby streams. This determination is documented in Proposed Final Order dated April 9, 2002, in which the Neuschwander wells are identified as Well 1 (CLAC 12700) and Well 2 (CLAC 51287).

We have reviewed the well construction reports for the two wells and have determined that the wells were not properly sealed to prevent commingling of groundwater between the uppermost water-bearing zone(s) and the deeper, water bearing intervals over which the wells are screened. Copies of the Water Well Reports for these two wells (CLAC 12700 and CLAC 51287) are attached. Figure 1 shows the locations of the Newschwander wells and several other wells we have identified in the area. Cross sections including the two Neuschwander wells and three other wells (CLAC 12730, CLAC 12739, and CLAC 12727) are shown on Figures 2 and 3 to provide a picture of the subsurface geology. Figure 1 shows the locations of the cross-sections.

Based on our review of the well logs for the Neuschwander wells and other wells in the surrounding area, we believe there is a continuous layer of clay and/or silt that separates an upper, water-bearing strata from a deeper aquifer throughout the area surrounding the two wells of concern. The locations of the wells we have identified in the area are shown on Figure 1. Table 1 provides information from the logs for the wells shown on Figure 1, including the thickness and approximate elevation of the clay layer identified. Copies of the well logs are attached with this letter. Elevations for these wells have been estimated from a U.S.G.S. topographic map.

RESOURCES DEPT

Figure 2 (Cross Section A-A') shows the Tocher well (CLACK 12730) obtains water from the upper aquifer, with the bottom of the well ending in the clay that can be identified in both Neuschwander wells and other wells in the area. The driller noted in both Neuschwander wells that water was first encountered in the first gravel that correlates with the upper aquifer. In Well 1 (CLACK 12700), water was first encountered at 31 feet. In Well 2 (CLACK 51287), water was first found at 40 feet. The driller did not report a static water level for the upper aquifer in the log for Well 1, and he reported a single static water level for all the water bearing zones in Well 2. Based on elevations, it appears the upper aquifer is connected with Bear creek, located to the northwest of Neuschwander Well 1, and the unnamed stream located between the two Neuschwander wells. Therefore, the upper aquifer would be expected to have a different static water level than the deeper aquifer. Recent studies by the Department in the Willamette Basin have identified that there are separate aquifers having different static water levels within the Willamette Valley alluvial aquifer system. However, some drillers continue to report one static water level measurement for all the zones.

Based on recent discussions with Fred Lissner and Donn Miller, we believe that the ground water application would be approved if the upper water-bearing strata in these two wells could be isolated from the deeper water bearing zones by the placement of properly constructed well seals. Therefore, the potential for interference with nearby streams is a function of the construction of the two Neuschwander wells.

Our determination that these wells are improperly constructed is based on the following:

**Neuschwander Well 1 (CLAC 12700).** The driller reported first encountering ground water at a depth of 31 feet below land surface (bls). This first encountered ground water appears to occur within a thin layer of sand at a depth of 31 feet bls. A cemented gravel is also noted in the log from 42 feet to 63 feet. Based on the logs from other wells in the area, we understand that the cemented gravel serves as a source of ground water for shallow wells. Therefore, it appears that there is an upper aquifer in this well between 31 and 63 feet bls that may be connected with the nearby streams. The driller did not report a static water level for this apparent water-bearing zone.

According to the log, the primary water bearing zones occur from 82 to 102 feet bls and from 115 to 132 feet bls, corresponding to the lower aquifer. The driller noted the same static water level of 30 feet bls for both of these intervals. The two primary water-bearing intervals are separated from the overlying cemented gravel (upper aquifer) by a 19-feet-thick layer of clay and silt that extends from 63 feet to 82 feet bls. The well is perforated over the interval of 88 to 150 feet bls; however, the well seal was placed only to a depth of 20 feet bls. Therefore, the well seal does not extend into the clay and silt layer, nor does it adequately seal off the shallow water-bearing zone(s) which occur from 31 to 63 feet bls. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

**Neuschwander Well 2 (CLAC 51287).** The driller reported first encountering ground water at a depth of 40 feet below land surface (bls). This first encountered ground water appears to occur within a layer of cemented gravel found at depths between 38 and 54 feet bls (this cemented gravel appears to correspond with the cemented gravel layer in Well 1 from 42 to 63 feet bls and, therefore, represents the upper aquifer). The driller did not report a static water level for this water-bearing zone.

The driller reported the water-bearing zone from 40 to 140 feet bls. Based on the perforated interval, from 76 to 119 feet bls, it appears that the primary water-bearing deposits in this well include the sands and gravels which occur between 60 and 95 feets (lower aquifer). These sand and gravel layers appear to correspond to the primary water-bearing zones identified by the driller in Well 1. Also, as in Well 1, these sands and gravel units are separated from the overlying cemented gravel by a 6-feet-thick layer of clay which extends from 54 to 60 feet bls. The well seal was placed only to a depth of 50 feet bls. Therefore, this seal does not extend into the clay layer (54 to 60 feet bls) that separates the upper, water-bearing cemented gravel from the deeper sands and gravel which serve as the primary water-bearing aquifer for this well. The construction of this well appears to violate OAR 690-200-0043 and OAR 690-210-0140.

We request that you review the well construction details of the two wells (CLAC 12700) and CLAC 51287) together with the cross-sections, tabulated well data, and well logs attached with this letter and make a determination whether enforcement action is warranted.

Please call Malia Kupillas, Pacific Hydro-Geology Inc., at (503) 632-5016 if you have any questions.

Sincerely,

Malio R. Kupillas

Malia R. Kupillas R.G., C.W.R.E.

Gregory E. Kupillas, R.G., C.W.R.E.

Attachments: Figure 1 - Well and Cross Section Locations

Figure 2 - Cross-Section A-A' Figure 3 - Cross-Section A'-A"

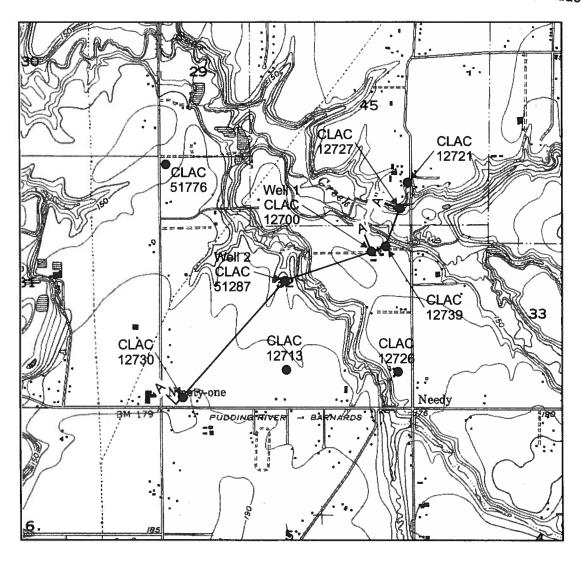
Table 1 - Well Log Data for Neuschwander Wells and other Are Wells Water Well Reports for Neuschwander Wells and other Wells in Vicinity

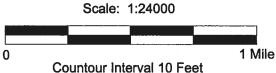
Donn Miller, Oregon Water Resources Department CC: Joel Neuschwander





OCT 2 1 2002 WATER RESOURCES DEPT. SALEM, OREGON



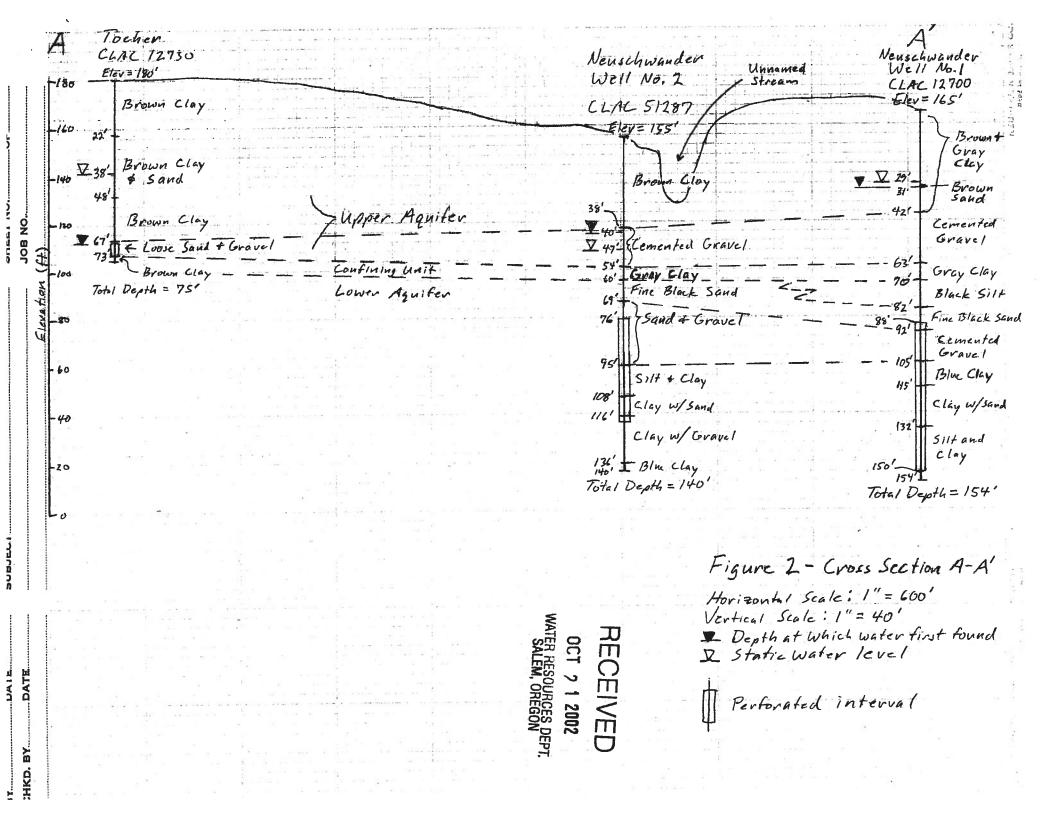


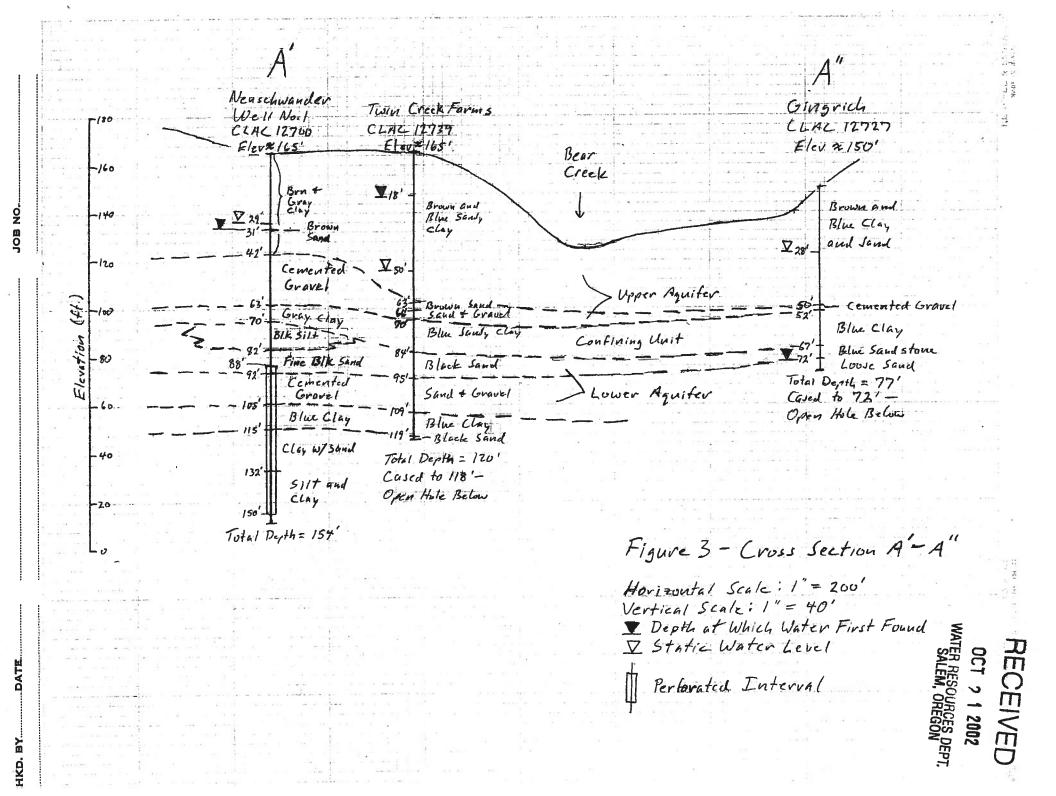
Source: USGS 7.5 Minute Topographic Survey Map of Yoder Quadrangle, Oregon, 1955 (Photorevised 1985)



Joel Neuschwander Application G-15567 T.4S. R.1E Section 32

Pacific Hydro-Geology Inc.





OCT > 1 2002

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Table 1. Well Log Information for Neuschwander Wells and Other Wells in Vicinity

						Estimated Elev.	Estimated Elev.	Thickness of
		Legal/	Tax Lot	Owner	Estimated Well	at top of Clay	at bottom of Clay	Clay Confining
Well Log	J.D. No.	Map No.	Number	Last Name	Head Elevation (ft)*	Confining Unit (ft)	Confining Unit (ft)	Unit (ft)
CLAC	12700	4 1E 32	903	Neuschwander	165	102	95	7
CLAC	51287	4 1E 32	900	Neuschwander	155	101	95	6
CLAC	12730	4 1E 32	1505	Tocher	180	107	Unknown	Unknown
CLAC	12713	4 1E 32	1507	Hansen	175	111	81	30
CLAC	12726	4 1E 32	1300	Galer	170	<100	Unknown	Unknown
CLAC	12739	4 1E 32	901	Hansen (now	165	95	81	14 -
				Neuschwander)				4-
CLAC	12727	4 1E 32A	100	Gingrich	150	98	83	15
CLAC	12721	4 1E 32	207	Hunnicutt	180	<117	Unknown	Unknown
CLAC	51776	4 1E 32	51776	Martishev	155	81	58	23

<sup>\*</sup> Elevations are estimated from U.S.G.S. Topographic Map: Yoder Quadrangle, Oregon 7.5 Minute Series, 10-foot contour interval.

#### RECEIVED TREESENSE CHAC Well I STATE STATE OF CREGON 2002 WATER WELL REPORT (se require NATE REPORT) 380t 75 NUL (1) OWNER: SALEM, OREGON WATER RESOURCES DEET (9) LOCATION OF WELL by legal description: S.W.EXIMOREGON EUSCHWANDER County CACKA MAGINTE Longitude 6059 WHISKEY Township \_\_ \$ 5 Nor S, Range \_\_ E or W. WM. HUBBAND State 100 (2) TYPE OF WORK: Tax Lot Block . \_Subdivision New Well Deepen Street Address of Well (or nearest address) Recondition -S. NEEDY (3) DRILL METHOD Rotary Air Cable. ☐ Rotary Mud (10) STATIC WATER LEVEL: Other 29 ft. below land surface. (4) PROPOSED USE: \_ lb. per square inch. Date ☐ Domestic P Irrigation ☐ Community ☐ Industrial (11) WATER BEARING ZONES: Thermal ☐ Injection Other Depth at which water was first found \_ BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 154 ft. From Estimated Flow Rate SWL Yes No - . · 82 800 GPM 102 30 Explosives used Type \_ Amount 115 500 61M 132 30 Amount To GRANUAR eter From To sacks <del>or pound</del>s BENTONI (12) WELL LOG: Ground elevation Material SWL Soic CLAY BROWN 31 BROWN 31 Backfill placed from \_\_\_\_\_ft. to \_\_\_\_\_ft. Material Gravel placed from 25 ft. to 90 \_\_ ft. Size of gravel \_PEA CASING/LINER: 70 Diameter From To Gauge Steel Plastic Welded Threaded 70 154 .250 9 ୍ର⊟ P... FINE 82 92 105 105 115 132 $\Box$ . 140 ocation of shoe(s) DARK BROWN. (7) PERFORATIONS/SCREENS: Method DRIVE DOWN Perforations ☐ Screens Material 150 9 PM. Tele/pipe To Number, Diameter Casing Liner 115-13 THEN PRODUC DRAW DOW Date started\_ Completed (unbonded) Water Well Constructor Certification: (8) WELL TESTS: Minimum testing time is 1 hour I certify that the work I performed on the construction, alteration, or Flowing abandonment of this well is in compliance with Oregon well construction ☐ Pump Bailer -Air ☐ Artesian standards. Materials used and information reported above are true to my best Yield gal/min Drawdown Drill stem at knowledge and belief. Time Soo Punis WWC Number 1 hr Signed \_\_\_ *?00* Date (bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment DepthArtesian Flow Found . Temperature of water work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and Was a water analysis done?

Yes By whom -

Did any strata contain water not suitable for infended use? 

Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other .

WHITE COPIES - WATER RESOURCES DEPARTMENT

YELLOW COPY - CONSTRUCTOR

PINK COPY - CUSTOMER

WWC Number 2 43

Date

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We11 2

STATE OF WATER SUPPLY WHILL REPORT 5/28 7
(as required by ORS 537.765)

Community Industrial

Livestock

Neuschwander's Nursery

Address 6097 5. Whiskey Hill Rd

Rotary Air Rotary Mud Cable

Injection

Thermal Injection Livestor

(5) BORE HOLE CONSTRUCTION:

Explosives used Yes No Type

**Hubbard** 

(2) TYPE OF WORK

(3) DRILLMETHOD:

(4) PROPOSED USE:

HOLE

(1) OWNER:

Name

Other

Domestic

Well Number

Irrigation

Other

Zip 97032

JAN - 9 1997

Signed >

TAG # LOZOTS

(START CARD) #\_ Instructions for completing this report are on the last page of this WOTER RESOURCES DEPT. SALEM OREGON (9) LOCATION OF WELL by legal description: CLACKAMAS Latitude Longitude N or S Range 18 Township Se 1/4\_ Section Subdivision 900 Block New Well Deepening Alteration (repair/recondition) Abandonment Street Address of Well (or nearest address) 29435 S Needy Rd (10) STATIC WATER LEVEL: Date Sep 10, 19 47 ft. below land surface. Artesian pressure lb. per square inch. Date (11) WATER BEARING ZONES: Depth at which water was first found \_ Special Construction approval Yes No Depth of Completed Well 140 ft. SWL Estimated Flow Rate To From 47 140 (12) WELL LOG: Ground Elevation From To SWL Material Soil 38 Clav. Brown 38 54 Cemented oravel brown 58 54 Clay, orey 58 60 Clay, orey, sandy 69 Sand, black, fine 60 71 Sand and oravel, black 69 71 74 Cemented oravel, sand 95 74 Sand & gravel 95 98 Clay, blue 101 98 clay, grey, silty 108 Silt, dark orev 101 108 116 Clay w/black coarse sand Clay, grey w/some cemented gravel116 136 136 Clay, blue Note: 6 inch gravel feed each side of 8 inch well Dec 10, 1996 August 8, 1996 Completed Date started (unbonded) Water Well Constructor Certification: I certify that the work I performed on the construction, alteration, or abandonmer of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief. WWC Number Date Signed (bonded) Water Well Constructor Certification: I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standings. This report is still to the best of my knowledge and believed. WWC Number

THIRD COPY-CUSTOMER

Sacks or pounds 35 Sacks Material Bentoni te 150° 140 Method A  $\Box$ B How was seal placed: Other Granular Bentonite method Material ft. to ft. Backfill placed from Size of gravel nea ft. fl. to 120 Gravel placed from (6) CASING/LINER: Welded Gauge . 25 Plastic To 140 Ď Casing ō Liner: Final location of shoe(s) 140 (7) PERFORATIONS/SCREENStive Down Method Perforations Турс Material Screens Tele/pipe Diameter Casing Line .188 П (8) WELL TESTS: Minimum testing time is 1 hour Flowing Artesian ₩ Air Bailer Pump Time Drill stem at Drawdowi Yield gal/mln air line e 4 hr 220 Depth Artesian Flow Found Temperature of water 53 Yes By whom Was a water analysis done? Too little Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other Depth of strate: OPICIDIAL & EIDST COPY.WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR

	A REPORTE GEIVED	4	/11-	~ .
STATE ENGINEER, SALEM, OREGON 9760 1 (Please tyr. within 30 days from the date of well completion.  STATE OF  (Please tyr.) (Do not write a	UAD 7/1 IU / /		75	
	SALEM ORECON	741	505	
(1) OWNER:	(10) LOCATION OF WELL:			
Name DICK TOPHER	County LACKAMAS Driller's well n		27/	
Address 1171 5 BERNARDS RD.				
CANDY DEFOUN		R. 1E		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis	ion come	er	
New Well Deepening Reconditioning Abendon				
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed w	rell.		
Rotary Driven D	Depth at which water was first found	61		<u>, #.</u>
Cable Detect Domestic Industrial Municipal Dug Bored During Test Well Dotter	Static level .38 ft. below land	surface.	Date //	10/77
CASING INSTALLED.	Artesian pressure Ibs. per squa	re inch.	Date /	
Melded II Welded II	(12) WELL LOG: Diameter of well	below car	elna e	
	Depth drilled 75 ft. Depth of comp		_	žt.
	Formation: Describe color, texture, grain size			
Diam. fromft. toft. Gage	and snow thickness and nature of each stratu	m and a	meridan ma	to administration of
PERFORATIONS: Perforated?   Yes   No.	with at least one entry for each change of forms position of Static Water Level and indicate primary.	tion Ren	ort anch	mis any any day
Type of perforator used		T Wat	er-oeare	ig strata.
	MATERIAL	From	To	SWL
The state of the s	TOP SOIL	2	2	
perforations fromft. toft.	DROWN CLAY	2	22	
	BROWN (LAY AND			
	BOOM	22	4B	
(7) SCREENS: Well screen installed? Yes No	BROWN CLAY LOOSE SAND AND	48	67	
Manufacturer's Name SOHNSCN	GRAVEL	1.7	-12	20
TypeModel No.	BROWN CLAY	73	73 75	38
Diam 9 Slot size 49 Set from 68 ft. to 73 ft.	· · · ·	1.5	/5	
Diam. Slot size Set from ft. to ft.				
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	RECEIVED			
Was a pump test made?  Yes No If yes, by whom?				
Yield: gal./min. with ft. drawdown after hrs.	OCT 2 1 2002			<del></del>
	1.4.4. Strong co.		<del></del>	
" " "	WATER RESOURCES DEPT. SALEM, OREGON			
Beiler test 15 gal./min, with 12 ft. drawdown after 1 hrs.	ONLLIN, ONEGON			
Artesian flow g.p.m.				
nperature of water Depth artesian flow encounteredft	Work started 1 6 1977 Complete	a 1/10	<del></del> -	1077
(9) CONSTRUCTION:	Date well drilling machine moved off of well		10	19 / /
Well seal-Material used BENTONITE	Drilling Machine Operator's Certification:	,		
Well sealed from land surface to	This well was constructed under my	direct	superv	rision.
Diameter of well bore to bottom of sealin	Materials used and information reported best knowledge and belief	above a	re true	to my
Diameter of well bore below sealin	[Signed] COKelly	Date J	12	1077
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	7		7
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No		329	I
Brand name of bentonite NATIONAL	Water Well Contractor's Certification:			
Number of pounds of bentonite per 100 gallons of water 200		-4* -		
105./100 gais.	This well was drilled under my jurisdic true to the best of my knowledge and beli	suon and ef.	unis re	port is
was a drive shoe used?	Name KELLER WELL I VILL	ille	(ó.	
	(Person, firm or corporation)	(Tyr	e or print	
	Address 6350 SE BROWNLET	E 14/1	LWAL	矢に
Method of sealing strata off	[Signed] CDK00	الأس	•	
Was well gravel packed? ☐ Yes A No Size of gravel:	(Water Wall dontre	otor)	***************************************	
Gravel placed fromft.	Contractor's License No. 462. Date	1/12		19.77
(USE ADDITIONAL SHI	ERTS IF NECESSARY)	1	Sibe	4888a_110

THE BOTTON THE THE PARTY OF THE	CLAC			
of this report are to be OCT - 4 1971W FER WI OCT 2 1 2004 with the OCT - 4 1971W FER WI STATE ENGINEER, SALEM, OSEFON FIND ENGINEER OF PROBLEM OF COMMENTS OF COM	ELL REPORT	11/1	_ 2	2
STATE ENGINEER, SALEM, CEFCA FIE ENGINEER	F OREGON O 1 2 1 3 State Well No	4/!	-00	~
WATER RESUMBLE days from the date ALEM. OR LINE Please to SALEM, OREGON (Do not write	above this line) State Permit	No		***************************************
GALLIN, ONEGUN	<del>\</del> \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			
(1) OWNER:	(10) LOCATION OF WELL:			
Name Don Hanson - Twin Creek Farms	County Clackamas Driller's well	umber		•
Address Rt. Box 340, Camby, Ore. 97013	4 % Section 58 T. 4S	R 1E	<u> </u>	
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis			W.M.
37	a section of subuty	HOLL COPILE	r	
New Well E Deepening Reconditioning Mahandon L  If abandonment, describe material and procedure in Item 12.	-			-
	(11) WATER LEVEL: Completed v	voll		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 60	vell,		
Rotary Driven Domestic Dindustrial Municipal Cable				
Dug 🔲 Bored 🔲 Irrigation 🕱 Test Well 🗌 Other	A A A A A A A A A A A A A A A A A A A			
CASING INSTALLED:	Arcesian pressure lbs. per squa	re inch.	Date	
Threaded Welded 4	(12) WELL LOG: Diameter of well	below cas	ine L	"
18." Diam. from 0 ft to 60 ft Gage 250	Depth drilled 345 ft. Depth of comp			5 tt.
" Diam. fromft Gage	Formation: Describe color, texture, grain size	and struc	ture of r	naterials:
PERFORATIONS: Perforated I Ver T Ve	with at least one entry for each change of forme	m and aq	wifer pe	metrated,
Totalest Lies W 140.	position of Static Water Level and indicate prin	cipal wat	er-bearis	nange m vg strata.
Type of perforator used  Size of perforations in hy	MATERIAL	From	To.	SWL
tes by III.	Topsoil-Brown	0	3	
perforations from	Clay-Brown	3	20	
perforations fromft toft.	Clay-Blue	20	60	
perforations fromft. toft.	Clay-Bl-Sandy-Blk-Fine-	60	64	
(7) SCREENS: Well screen installed? A Yes No	Water trace			
Manufacturer's Name HOSSCO MOSS	Clay-Br-Sand seams-Fine-Br		94	
Type Louivered Model No.	Sand-Blk-Fine-Clay-Blue	94	125	
Diam 12 Slot size 1/4 Set from 105 # to 155 #.	Sand-Blk-Fine-Gravel trace Fine-Clay-Blue	s 125	160	
Diam. Slot size Set from ft. to ft.	Clay-Bl-Sand streaks-Fine	160	7.00	
(8) WELL TESTS: Drawdown is amount water level is	gravel	100	180	<del></del>
lowered below static level	Sand-Blk-Claystone-Blue	180	190	
Was a pump test made? Yes No I yes, by whom?	_Clay-Green-Blue	190	195	
Yield: 500 gal./min. with 30 ft. drawdown after 5 hrs.	Clay-Blue	195	200	
1000	Clay-Gray	200	230	
, 10 , 10 ,	Claystone-Blue	230	275	
Baller test gal./min. with ft. drawdown after hrs.	Gravel-Irg-Clay-Blue	275	278	
Artesian flow g.p.m.	Claystoke-Blue	278	290	
Temperature of water Depth artesian flow encounteredft_	Work started 5-29 18 7/ Complete	_5 <b>0</b> U	_30d_	(Cont)
			<u> </u>	197/
	Date well drilling machine moved off of well	9-	7	19 7/
Well seal-Material used Bentonite - Cament Grout	Drilling Machine Operator's Certification:			
Well sealed from land surface to 60	This well was constructed under my	direct :	uperv	ision.
The state of the s	best knowledge and Belief	above ar	e true	to my
Diameter of well bore below sealin_	[Signed Phan Markenny	ate 0	-25,	10 777
Number of sacks of cement used in well seal sacks  Number of sacks of bentonite used in well seal sacks	(Drilling Machine Operator)		,ما <del>ر دمکات</del>	สละไรโ
Brand name of bentonite National sacks	Drilling Machine Operator's License No	277		<u> </u>
Number of pounds of bentonite per 100 gallos	Water Well Contractor's Certification:		-	_
of water lbs/100 gals.	This well was drilled under you invited	tion and	this	
Was a drive shoe used? ☐ Yes ☑ No Plus Size: location			erne IGI	OFT 18
Did any strata contain unusable water ☐ Yes ☑ No	Name S & M Drilling & Supply	-	*********	***
Type of water? depth of strata	Address Rt. 1 Box 31 Camby,	Ore. (Type	2701 T	25
Method of sealing strate off	21 4/1///			· .
Was well gravel packed? ☑ Yes ☐ No = Size of gravel: 1/4 -3/4	[Signed] June 140 June	لها	-	
Gravel placed from 60 # 5 160 #	(Water Well Contract			23
USE ADDITIONAL SHE	Contractor's License No. 520 Date	9-25		19.71

2 % NOTICE TO WATER WELL CONTRACTOR E G E WATER WELL REPORT
of this report are to be
filed with the OCT - 4 1971 STATE OF OREGON
(Flasse type or print) STATE ENGINEER, SALEM, OREGON STILL ENGINEER type or print) within 30 days from the detel ATE ENGINEER type or print) of well completion. SALEM OR: (Do Not write above this it State Permit No. .. SALEM OR (Do Not write above this line) (1) OWNER: (10) LOCATION OF WELL: (Cont.) Name Driller's well number Address T. 14 Section ... W.M. Bearing and distance from section pr subdivision corner (2) TYPE OF WORK (check): New Well Deepening [ Reconditioning [ Abandon [ If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (3) TYPE OF WELL: (4) PROPOSED USE (check): Depth at which water was first found Rotary Driven 🛘 Domestic | Industrial | Municipal | Cable Jetted 🗍 Static level ft, below land surface. Date Dug Bored 🔲 Irrigation | Test Well | Other Artesian pressure lbs, per square inch. Date CASING INSTALLED: \_Threaded [] Welded [] (12) WELL LOG: Diameter of well below casing \_ " Diam. from \_\_\_\_\_ ft. to \_\_\_\_ \_\_\_\_ ft. Gage . Depth drilled ft. Depth of completed well " Diam. from ... ft to \_ ft. Gage Formation: Describe color, texture, grain size and structure of materials; ...." Diam. from .... \_\_\_\_\_ ft. Gage \_\_\_ .... ft. .to ... and show thickness and nature of each stratum and aquifer penetrated. with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata. PERFORATIONS: Perforated? Tyes No. Type of perforator used 3 From To SWL Size of perforations Claystone-Sandstone seamsiņ. by\_ 300 340 32 Water perforations from ..... ..... ft. to . Sand-Fine-Gray-Blank .... perforations from ..... ... ft. to perforations from \_\_\_\_ ft. to . (7) SCREENS: Well screen installed? 

Yes 

No Manufacturer's Name Type \_ \_\_ Model No. .. Diam. \_\_\_\_ Slot size \_\_\_ ..... Set from .\_ Diam. \_\_\_\_ Slot size \_\_\_\_ ... Set from . (8) WELL TESTS: Drawdown is amount water level is lowered below static level Was a pump test made? ☐ Yes ☐ No If yes, by whom? Yield: gal,/min. with \_ ft. drawdown after hrs. WATER RESOURCES DEPT. SALEM, OREGON Baller test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m. perature of water Depth artesian flow encountered . Work started Completed 19 (9) CONSTRUCTION: Date well drilling machine moved off of well 19 Drilling Machine Operator's Certification: Well seal-Material used This well was constructed under my direct supervision. Materials used and information reported above are true to my Well sealed from land surface to ..... Diameter of well bore to bottom of seal\_ best knowledge and belief. W [Signed] Burn the Diameter of well bore below seal ..... Mystolike ..... Number of sacks of cement used in well seal . Drilling Machine Operator's License No.... Number of sacks of bentonite used in well seal . Brand name of bentonite . Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. \_ lbs./100 gals.

(USE ADDITIONAL SHEETS IF NECESSARY)

Address

Contractor's License No.\_\_

(Person, firm or corporation)

Was a drive shoe used? 🗌 Yes 🔲 No Plugs....... Size: location .....

depth of strata

Did any strata contain unusable water? 

Yes 

No

Was well gravel packed? ☐ Yes ☐ No Size of gravel:

Gravel placed from \_\_\_\_\_ ft. to \_\_\_

Type of water?

Method of sealing strata off

...., 19..... SP\*45656-119

(Type or print)

NOTICE TO WATER WELL CONTRACTOR The original and first copy WATER W	ELL REPORT C. L. C. L. C. C. C. C. C. C. C. C. C. C. C. C. C.	· \$3
filed with the	ELL REPORT G12726  OF OREGON  OPE or print)  State Well No. 4	1-32
within 30 days from the date of well completion.	State-Permit No.	TL 1300
(1) OWNER: Name John Galer,	(11) WELL TESTS: Drawdown is amount	water level is
Address Rt.2, Box 346, Canby, Ore.	Was a pump test made? In Yes   No If yes, by who	m? J.T.Mille
	Yield: 50 gal./min. with 23 ft. drawdov	wn after hrs
(2) LOCATION OF WELL:	50 79 89	
County Clackamas Driller's well number	Bailer test gal./min. with ft. drawdov	wn after hrs
14 14 Section 32 T. 48 R. 1E W.M.	Artesian flow g.p.m. Date	
Bearing and distance from section or subdivision corner	Temperature of water Was a chemical analysis	made? 🗌 Yes 📋 No
750 Ft.North,300 Ft. West of S.E	(12) WELL LOG: Diameter of well below a	. 6
corner sec.32.	Depth drilled 70 ft. Depth of completed w	
	Formation: Describe by color, character, size of materix show thickness of aquifers and the kind and nature of stratum penetrated, with at least one entry for each of	al and structure, and the material in each
	MATERIAL	1
(3) TYPE OF WORK (check):	Suriace	FROM TO
Well Deepening Reconditioning Abandon	clay, yellow	3 33
abandonment, describe material and procedure in Item 12.	clay, gray	23 42
(4) PROPOSED USE (check): (5) TYPE OF WELL:	cray.blue	42 63
Domestic A Industrial Aunicipal Botary Driven	coarse broken sand, gravel	63 70
Irrigation   Test Well   Other   Cable 1 Jetted	Wavel	
out 1 Doiet 1		
(6) CASING INSTALLED: Threaded □ Welded ₺		
6 "Diam from 0 ft to 70 ft Gage		
"Diam. fromft. toft. Gage		
"Diam. from		
(7) PERFORATIONS: Perforated?   Yes  No		
Type of perforator used		
Size of perforations in. by in.		
perforations fromft. toft.		
perforations fromft toft	RECEIVED	
perforations fromft, toft	- ILOLIVED	
perforations from ft. to ft.	ULT 2 1 2002	
46		
(8) SCREENS: Well screen installed   Yes   No	WATER RESOURCES DEPT.	
Manufacturer's Name	JALEM, UREGON	
Model No.		
Diam. Slot size Set from ft. to ft.	Work started 10-29- 19 02 Completed 10=	<del>31- 19 62</del>
	Date well drilling machine moved off of well	19
(9) CONSTRUCTION:	(13) PUMP:	
Well seal-Material used in seal heavy mud and cement	Manufacturer's Name	
Depth of seal	There are	P
Diameter of well bore to bottom of seal in.		
Were any loose strata comented off? ☐ Yes ☐ No Depth	Water Well Contractor's Certification:	
Was well gravel packed?  Yes  No Size of gravel:	This well was drilled under my jurisdiction at true to the best of my knowledge and belief.	nd this report is
Gravel placed from	J.T.Milier	
Did any strata contain unusable water?  Is Is INo	NAME	
Type of water? Depth of strate	Address Box 175, Aurora, ure.	pe or print)
Method of sealing strata off	***************************************	***************
(10) WATER LEVELS:	Drilling Machine Operator's License No.	
Mark 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	[Signed] Muller	
Artegian research	(Water Well Contractor)	**************************************
	Contractor's License NoDate	19.62
(USE ADDITIONAL SHE	ets if necessary)	Ø

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report				
are to be filed with the WATER WE	LL REPORT		,	
WATER RESOURCES DEPARTMENT. STATE OF	F OREGON // State Well No	45	IE - 3	3ck
SALEM, OREGON 97810 / Please type within 30 days from the date	pe or print) House			
within 30 days from the date of well completion. (Please type of well completion.)	above this line) $\omega_{0}$ State Permit	No	***************************************	***********
(1) OWNER:				
	(10) LOCATION OF WELL:		D 04	7 70
Name TWIN CREEK Farms DON HANSON	County CLACKAMAS Driller's well 1			7-79
Address 29385 S. Needy Rd. Canby, Oregon 97013	SW % SE % Section 33 T. 4S	R. 1	E	W,M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis	don corn	er	
New Weight Deepening Reconditioning Abandon I If abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed v	vell.		
Potania T	Depth at which water was first found 18			£t.
Cable	Static level 50 #t. below land	surface.	Date2-	25-79
Dug Bored I Irrigation Test Well Other	Artesian pressure lbs. per squa			
CASING INSTALLED: Threaded I Walded				
6 "Diam. from 0 ft to 118 ft. Gage .250	(12) WELL LOG: Diameter of well	below ca	sing	6"
" Diam. fromft. toft. Gage	Depth drilled 120 ft. Depth of comp			ft.
"Diam. fromft. toft. Gage	Formation: Describe color, texture, grain size	and stru	cture of	materials;
DED MOD A MYONG	and show thickness and nature of each strati with at least one entry for each change of forms	Ham Da-		_
Tellmateur [] Tes 12 No.	position of Static Water Level and indicate prin	ncipal wa	ter-beari	ng strata.
Type of perforator used	MATERIAL	From	To	SWL
Size of perforations in. by in.	topsoil	0	1	
perforations from ft. to ft.	clay sandy brown	1	28	
perforations fromtt. tott.	clay sandy blue	28	63	
perforations from	sand brown	63	66	
(7) SCREENS: Well screen installed! ☐ Yes ※ No	Fixy sand & gravel	-		
Manufacturer's Name	brown medium	66	70	
Type Model No	clay sandy blue	70 84	84	
Diam. Slot size Set from ft. to ft.	sand & gravel blue med.	95	95 109	
Diam. Slot size Set from ft to ft.	-clay blue	109		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	sand black	119	111	50
Was a pump test made?   Yes 15 No If yes, by whom?	BECEIVED			
viola, 45 total .	WEOFIAFO			TAE
ATR ROTARY	AUG 2 - 1979			
	WATER RESOURCES DEPT	-0	7 2	1 2002
	SALEM, OREGON	WATER	BECO	RCES DE
Bailer test gal./min. with ft. drawdown after hrs.	MALLIN, URFGUN	Ŝ	LEM, Q	REGONI
Artesian flow g.p.m.				· ··cuo/v
perature of water Depth artesian flow encounteredft.	Work started 7-24 179 Complete	a 7-2	25	,79
(9) CONSTRUCTION:	Date well drilling machine moved off of well	7-	25	19 79
Well seal-Material used Cement	Drilling Machine Operator's Certification:		2.0	20 1 9
Well sealed from land surface to 20	This well was constructed and and	direct	SILDAR	ridion
Diameter of well bore to bottom of sealin.	Materials used and information reported best knowledge and belief.	above a	re true	to my
Diameter of well bore below seal in_	1 - 1 / / / / / / / / / / / / / / / / /	, 1		=0
Number of sacks of cement used in well seal sacks		_	-31	, 1929.
How was cement grout placed pressure grouted	Drilling Machine Operator's License No	129	2	
	Water Well Contractor's Certification:			
-				
Was a drive shoe used? Yes No Liugs Size: location ft.	This well was drilled under my jurisdic true to the best of my knowledge and beli	e£.		
Did any strata contain unusable water: Tyes No	Name S & M DRILLING & SU	PPLY,	INC	•
Type of water? depth of strata	(Person, firm or corporation)	470	**********	**********
Method of sealing strata off	Address 339 S.E. Walnut St.	cann	y, U	
	[Signed]			
	(Water Well Confr	_	***************************************	
Gravel placed from	Contractor's License No. 497 Date		<u>-31</u>	19.79
USE ADDITIONAL SE	RETS IF NECESSARY)		829	45658-119

RECEIPED WELL CONTRACTOR ACTOR	ELL REPORT CEIVED			
filed with the	and the second s	4	1,,=	~== >.
UPLETIE ZENGINENE SALEM OREGON/97310 ALLIA	71 1113		-// <u>~</u>	
WATER RESOURCED ENTPletion. (Do not write	THE RESOURCES SEE Permit	No	<del></del>	
SALEM, OREGON	SALEM. ORECON			
(1) OWNER:	(10) LOCATION OF WELL:			
Name JOUG TINGERICH	County (LACKAMAS Driller's well	number	75	4.
Address RT   Box 118	NE & NE & Section 32 T. 45	- Autober	15	7
HUBBARD CREGON 97032		) K.		W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdiv	ision corn	ier	
New Well Deepening Reconditioning Abandon				
If abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed	well.	7	
(C) The Color (Circle).	Depth at which water was first found	/	2_	/ ft.
Cable  Jetted  Domestic  Industrial  Municipal	Static level 28 ft. below land	l surface.	Date 4	1/2/1-
Dug / Bored Irrigation Test Well Other				4250
CASING INSTALLED: Threeded C. Welded To	sant ber ada	The man.	Date .	
To wanted   Wanted	(12) WELL LOG: Diameter of well	helow or	nelma.	
"Diam from the to 12 ft. Gage 250"	Depth drilled 77 ft. Depth of com			7 #L
" Diam. from ft. to ft. Gage				
"Diam. fromft. toft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each strat	nym and e	annifes a	
PERFORATIONS: Performed I Von V	with at least one entry for each change of form position of Static Water Level and indicate pr	ation. Res	nort anch	ohamaa in
Type of perforator used		merper we	iter-bean	ng strata.
	MATERIAL	From	To	SWL
Size of perforations in. by in.	70P SOIL	0	2	
perforations from ft. to ft.	BROWN CLAR	2	/3	
perforations from ft. to ft.	SAND AND BROWN			
perforations from ft. to ft.	LAY	13	29	
(7) SCREENS: Well screen installed? Wes I we	BLUE CLAY	29	31	
The state of the s	BROWN CLAY AND			
	SAND	31	41	
5 77	BLUE CLAY	14-1	50	
Diam. Slot size Set from ft. to ft.	CEMPNIED (TRAVEL	60	52	
R	BLUE CIAY	52	67	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	SIFT BLUE			
Was a pump test made?   Yes No If yes, by whom?	SANDSTONE	67	72	
	LOOSE SAND	1/2	77	28
d: gal./min. with ff. drawdown after hrs.		-		
		-		
<b>W</b>				
Bailer test 35 gal./min. with 9 ft. drawdown after hrs.				
Artesian flow g.p.m.		+		
manature of mater. Double and the first	1/22 -77		1/2	
II.	Work started 4/72 19 / Complete	ted 4	126	1977
(9) CONSTRUCTION:	Date well drilling machine moved off of well	_ 41	27	19 77
Well seal-Material used PENTONITE	Drilling Machine Operator's Certification	. 7		
Well sealed from land surface to	This well was constructed under my	direct	super	vision.
Diameter of well bore to bottom of sealin_	Materials used and information reported best knowledge and belief.	above r	are, true	to my
Diameter of well bore below sealin.	[Signed] Kolle	4	4/27	~7~~
Number of sacks of cement used in well seal	(Brilling Machine Operator)	DateZ	121	., 19//
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.	32	9	
Brand name of bentonite NATIONAL				
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
of water lbs./100 gals.	This well was drilled under my jurisd	iction ar	d this r	eport is
Was a drive shoe used? Yes No Plus Size: locationft.	are to the pear of the knowledge and pe	ilef.		
Did any strata contain unusable water?   Yes No	Name (Person, firm or opporation)	<u> </u>	_ C	<u>.</u>
Type of water? depth of trata	Address 6350 SE BROWNL	EE R	No or prin	
Method of sealing strata off	DVIV.		מבוני	AUKIE
	[Signed]			
Was well gravel packed? [] Yes No Size of gravel:	(Witten Well Cont	ractory		
Gravel placed fromft toft.	Contractor's License No. Date	72	<i></i>	19/
(USE ADDITIONAL SE	EETS IF NECESSARY)	7		PAISARE TIO

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the

AC WATER WELL REPORT GE VE DE WEI No. 272 ISTATE OF OREGIN JUN 2 21973

STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

(Do not write above to The TE ENGINEE Permit No.

	SALEM OREGON	20/05 2	02
(1) OWNER:	(10) LOCATION OF WELL:	2	24
Name Richard Hunnicut	County Clackamas Driller's well n		
Address Rt 2 Box 124-A, Canby, Oregon	4 % Section 32 T. 4S	R. LE 201	
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivisi	on corner	
			9
New Well Deepening Reconditioning Abandon I If abandonment, describe material and procedure in Item 13.			<del></del>
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed w		
	Depth at which water was first found	55	£t.
Cable	. Static level 30 ft. below lend s Artesian pressure lbs. per square	surface. Date5	/3/73
CASING INSTALLED: Threaded   Welded		te men. Date	
CASING INSTALLED: Threaded Welded 4	(12) WELL LOG: Diameter of well i		6
" Diam. from ft. to ft. Gage	Depth drilled 64 ft. Depth of compl		ft,
" Diam. from ft. to ft. Gage	Formation: Describe color, texture, grain size and show thickness and nature of each stratum	m and aquifer	hotortenen
PERFORATIONS: Perforated? I Ves E No.	with at least one entry for each change of forms: position of Static Water Level and indicate prin	tion Report each	ohomoo in
Type of perforator used	MATERIAL		1
Size of perforations in. by in.		From To	SWL
perforations fromft. toft.	Soil, Brown	0 2	+
perforations fromft. toft.	Olay, Brown	2 28	<del> </del>
perforations fromft. toft.	Clay, Gray	28   35	+
(F) CORPERIS	River Rock, Cemented	<del>35   55</del>	+
(7) SCREENS: Well screen installed!  Yes K No	Sand, Gravel, WB	55 63	30
Manufacturer's Name			
Type Model No			
Diam. Slot size Set from ft. to ft.  Diam. Slot size Set from ft. to ft.	<u>.</u> <u>.</u> .		
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	PECELVED		<del> </del>
toweled peron static least	- NECEIVED		
Was a pump test made? ☐ Yes A No If yes, by whom?	OCT 2 ( 200		-
d: gal/min, with ft. drawdown after hrs.	OCT 2 1 2002		<del> </del>
	WATER RESOURCES DEPT.		<del> </del> -
# # # # # # #	SALEM, OREGON	<u> </u>	<del>                                     </del>
Bailer test 25 gal./min. with 27 ft. drawdown after 1 hrs.			<del> </del>
esian flow g.p.m.			<del>                                     </del>
perature of water Depth artesian flow encountered ft.	Work started 5/3/73 19 Complete	45/3/73	19
(9) CONSTRUCTION:	Date well drilling machine moved off of well	5/3/73	19
Well seal—Material used Bentoni te	Drilling Machine Operator's Certification:		
Well sealed from land surface to	This well was constructed under my	direct supe	rvision.
Diameter of well bore to bottom of sealin.	Materials used and information reported best knowledge and belief.	above are tru	e to my
Diameter of well bore below sealin.	[Signed] & Blackman 1	Date 5/9/73	10
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)		, 18
Number of sacks of bentonite used in well seal	Drilling Machine Operator's License No	681	
Brand name of bentonite Wilhur Ellis	Water Well Contractor's Certification:		
Number of pounds of bentonite per 166 gallons	This well was drilled under my jurisdic	office and this	
Was a drive shoe used? Yes No Plus Size: location ft.	true to the pest of my knowledge and beli	ef.	report 18
Did any strata contain unusable water? 🗆 Yes 😰 No 🐰	Name Harvey Blackman	(Type or pr	int)
Type of water? depth of strate	Address Rt 1 Box 181K, Mulino		
Method of sealing strata off	4.		*********
Was well gravel packed? ☐ Yes ▼ No Size of gravel:	[Signed] Mother Real Contra	eter)	
Fravel placed fromft.	Contractor's License No. 537 Date	5/9/73	10
(USE ADDITIONAL SH			, 19

R	ECEIVE	D T	ECEI	<b>VEI</b>	Skyle	es Drillir Molail	ig, Inc.	LAC	, 110		51		
WATE	R RESTUTION	OREGON UPPLY WELL HERE, 53 WETER	DECOLIDA	CEC DE	regon	<b>City, O</b> 656-268	R 97045	511	(START CARD) #.		B3		
	(1) OWNER: Name TONY Address 104 City Woo	Martishe 10 Tierra dburn	v Lynn D	Well Numi	ber	01 97071	CountCl_a	ckan.	VELL by legal described to the Nor S Range NW 1/4	1 Eas	ongitude E E or	W. V	VM.
	(3) DRILL M	Deepening Alt		_		andonment		ess of Well	ot Block (or nearest address) Can		Subdivision S.	Bar	:lc
		olte ED USE:	Cable  Industrial	Auger	rigation		(10) STATIC  30  Assessian pre (11) WATER	ft. belo	w land surface. lb. per squar		Date <u>5-1</u>	7-9	<u>97</u>
$\bigcirc$	Special Construc	Injection OLE CONSTRUCTION approval Yes	No Depti	Ot	pleted We	ell <u>235</u> fi.	ļ	water was	first found 57 °				
	HOLE 12" 0	Yes No T	SEAL rini From	To	Sadiy er	pounds	57°		74' 112' 249'	Estimate 40			SWI 30 30 30
	9½" 18 9½" 210	250 225 Ce <b>n</b> en	t 223	216	6 sa	cks	(12) WELL L	.OG:					<u> </u>
	How was seal placed for Backfill placed from Gravel	nt Poured	^ A /Cement 235 ft. ft.	<b>Dump</b> Material	3/8"	grave acks	Clay Bro	Ground I		From	То	SW	/L
٠	(6) CASING/I Diameter Casing: 8 <sup>10</sup>			Plastic	Welded	Threaded	Clay Bro			6	57		<u>_</u>
	Liner: None						Sand Bro			74	97		<u>-</u>
Ö		TIONS/SCREEN					Sand Gra		d Some Grav	112	112 223		
	Perforation Screens From To None	TypeSlatNumber	Diameter	Mater Tele/pipe size	casing	Liner	Sand Cer Clay Gra		Gray Med	223	249	30	
$\bigcirc$										228	250		<u> </u>
1	(8) WELL TES	TS: Minimum t	esting time is	1 hour			Date started 5_		Comple contractor Certification		7-97		_
	Pump Yield gal/min 200	Bailer Drawdown	Z Air Drill stem 220	at	Art.	wing esian Time 1 hr.	I certify that the	e work I p	erformed on the constru with Oregon water sup- ion reported above are to	action, altern	Struction of		1
	Temperature of war Was a water analy		Depth Artesian	Flow Foo	and		I accept respon	sibility for	tructor Certification:	tion or she	Date 5	.23 t	<u> </u>
		tain water not suitab		,	Too l	ittle	performed on this performed during	well durin this time i	g the construction dates in compliance with Or report is true to the best	s reported ab regon water st of my kno WWC Num	ove. All w supply well wledge and	ork belief 2	
	ORIGINAL & F	IRST COPY-WAT	ER RESOUR	CES DE	PARTM	IENT SEC		MCTDIIC	TOP TUIPDO			<u> </u>	<u>~</u>



#### Water Resources Department

Commerce Building 158 12th Street NE Salem, OR 97301-4172 (503) 378-3739 FAX (503) 378-8130 www.wrd.state.or.us

June 18, 2002

Scott Ashcom PO Box 4323 Portland, OR 97208

RE: Application G-15567

Dear Mr. Ashcom:

On May 28, 2002, the Department received your request for an administrative hold on processing of the above referenced application until such time to submit additional well information to the department.

The Department will not take any action on this application until **December 17, 2002**. Please let us know if you are ready to proceed sooner.

If you have any questions, please give me a call. I can be reached at (503) 378-8455, extension 458 or e-mail me at Jerry.W.GAINEY@wrd.state.or.us.

Sincerely,

Jerry W. Gainey

Water Rights Processing Technician

cc:

Watermaster District 16 Donn Miller, WRD Joel Nueschwander 6097 S Whiskey Hill Rd Hubbard, OR 97032

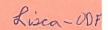
## 

MEM	0							Sap	t 4		_ •		
TO		Ap	plicat	tion	G/	15567	7						
FRO	M	GW	:	(Revie	ewer's Na	me)							
SUB	JEC	T Sc	enic	Wate	rway	Inter	rfere	nce F	valua	tion			
	Yes The source of appropriation is within or above a Scenic Waterway. No												
	Yes Use the Scenic Waterway condition (Condition 7J).  No												
PRE	EPON	IDERA	NCE OF	EVID	ENCE	FINDIN	ig: (Ci	heck bo	x only i	f staten	nent is t	rue)	
At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.													
FLOW REDUCTION: (To be filled out only if <u>Preponderance of Evidence</u> box is not checked)													
Exercise of this permit is calculated to reduce monthly flows in Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.													
pro	portic	on of the	e consu	mptive	use by	y which	surfac	ce wate	r flow is	s reduc	ed.		
J	lan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	

<b>.</b> .	Water Rights Section		Sopt 4	, 199
); ·	, the first of the facilities of the first o		100 11/20/0	2
ROM:	Groundwater/Hydrology Section	nReview	er's Name	
JBJECT:	Application G-15567	Well #2	•	
•	,	Well # 2)		
ROINID	WATER/SURFACE WATER COM	VSIDERATIONS	. •	
PER	write will all Bacin miles on	A OF MOTE OF THE D	roposed POA's is	;/is not within
/ A	feet/mile of a surface water source indwater source hydraulically connected	e ( DC-1	<u></u>	na aps a
grou	uncodinal attacion		-	
		4. I have determined	that the propose	d eroundwater use
BASI	ED UPON OAR 690-09 currently in effectively or have the potential for su	ibstantiai interiereik	6 Mini me neares	st
<u></u>	-111 curfoco tuator controe	namely Kean CL	7010	or
c	will if properly conditioned, adequately iThe permit should contain contain	y protect the surface	water from inter	nerence:
	ii The permit should contain spe	cial condition(s) as	maicatea ni Ach	narks" below;
	The mannit should be condition	and as indicated IN I	tem 4 below; or	
d.	will, with well reconstruction, adequa	itely protect the sun	ace none substan	idal filefference.
ROUNE	WATER AVAILABILITY CONSIL	DERATIONS	tor for the proper	ead use
	ED UPON available data, I have determ will, or likely be available in the	ined that groundwa	without injury t	o prior rights
		ity of the resource: (	or	
© X	will it amonady conditioned avoid init	ry to existing rights	s or to the ground	iwater resource:
	i. The permit should contain specific The permit should contain specific the permit specific the permit should contain specific the permit sp	cial condition(s) as	indicated in "Re	marks" below;
	iiiThe permit should be condition	ned as indicated in	item 4 below; or	
	-			
. a.	_THE PERMIT should allow groundw	ater production fro	m no deeper tha	nft.
	halour land curface			
	The permit should allow groundwate below land surface;		•.	
c	my	ter production only	y from the	- I - I I
		rovimsfelv. It	andit bei	OM Tarter persons
d	_Well reconstruction is necessary to ac _One or more POA's commingle 2 or n	note continces of Wall	EL" THE UDDITORN	Catter perces or m
<b>C</b>	source of water per POA and specify	the proportion of w	ater to be produo	ed from each
	source.	199		**
		, 100		
REMAR	KS:			
•				
			· · · · · · · · · · · · · · · · · · ·	4 .
	(Well Construction Con	siderations on Kev	erse Side)	

	200	<b>,</b> /
):	Water Rights Section Sept 4	_
ROM:	Groundwater/Hydrology Section D M. 00 11/20/0 2  Reviewer's Name	-
JBJECT:	Application G-15567 Well #1	
PER 1/4  A groun	WATER/SURFACE WATER CONSIDERATIONS  THE <u>Willamete</u> Basin rules, one or more of the proposed POA's is/is no feet/mile of a surface water source ( <u>Bean Ck</u> + tributary) and tap individual connected to the surface water.  ED UPON OAR 690-09 currently in effect, I have determined that the proposed group of the proposed group interference with the nearest	
a <u>X</u> _	will, or have the potential for substantial interference with the nearest will not surface water source, namely Bean CK; or will if properly conditioned, adequately protect the surface water from interference iThe permit should contain condition #(s); iiThe permit should contain special condition(s) as indicated in 'kemarks'' iiiThe permit should be conditioned as indicated in item 4 below; or will, with well reconstruction, adequately protect the surface from substantial interpretation of the condition of the surface from substantial interpretation.	e: below;
BASI	DWATER AVAILABILITY CONSIDERATIONS  ED UPON available data, I have determined that groundwater for the proposed use will, or likely be available in the amounts requested without injury to prior will not and/or within the capacity of the resource; or will if properly conditioned, avoid injury to existing rights or to the groundwater of x The permit should contain condition #(s) 7 = World iiThe permit should contain special condition(s) as indicated in "Remarks" iiiThe permit should be conditioned as indicated in item 4 below; or	resource:
b c		nd surface; ions. select one
RBMAR	KS:	
2.0		
: 5		
•		

(Well Construction Considerations on Reverse Side)



#### Form 2 - Lower Columbia/Statewide

## **ODFW** DIVISION 33 APPLICATION REVIEW SHEET

Species, OAR 69  Date: 21 day Deadline Date: 2/22/02	0-33-310 through 340.	FILE#: G 15567 JOEL NEUSCHWANDER 6097 S WHISKEY HILL RD
Applicant's Name:		HUBBARD, OR 97032
1) Will the proposed use occur in an area that may affect the species? [690-33-330(1)]	he essential habitat of sens	itive, threatened, or endangered fish
NO / YES Species:	Status: Sensiti	ve, Threatened, Endangered
IF ANSWER TO QUESTION (1) IS YES, C	CONTINUE ON THIS PAG	GE TO QUESTION (2),
IF ANSWER IS NO, FILL OUT PUBLIC	C INTEREST REVIEW SI	HEET (PAGE 2)
What stage or value is at risk (circle all that apply): Spaw	rning, Incubation, Rear	ing, Passage, Habitat Value
2) Will the proposed use result in a LOSS in the essential NET LOSS in the habitat of a SENSITIVE SPECIES?	habitat of THREATENED  YES	OR ENDANGERED SPECIES or a
A) Standard of NET LOSS applies to sensitive sp B) Standard of LOSS applies to T or E species ou	ecies statewide. [690-33-33 tside the Columbia Basin.	0(2)(a)] [690-33-330(2)(b)]
Can conditions be applied to mitigate the impact to the NO / YE	essential habitat of a S, T S [690-33-330(3)]	or E species?
Which conditions are recommended?		
(Try to select conditions from the Menu of Condi		
4) If conditions cannot be identified to offset impacts to the harm the species?	he essential habitat of S, T ES [690-33-330(4)]	or E species, would the proposed use
If YES, please explain:		
ODFW RECOMMENDATION:		RECEIVED
Approval with fishery conditions.		FEB 1 4 2002
Approval without fishery conditions.		WATER RESOURCES DEPT. SALEM, OREGON
Denial.		
ODFW Representative: Name: David P. Lisc	Date:	2/10/62
WRD Contact: Kerry Lefever, Acting Interagency Coo	ordinator, Water Rights Di	vision
1-800-624-3199 ext: 276 / Fax: 503-37	8-6203 / e-mail: Kerry.A.	LEFE VERWING.State.or.us

## **ODFW** PUBLIC INTEREST REVIEW SHEET

Page 2

NO /	yes Species:
What stage or v	alue is at risk (circle all that apply): Spawning, Incubation, Rearing, Passage, Habitat Value
2) Will the pro	posed use result in a loss of habitat? NO / YES
3) Can condition	ons be applied to mitigate the impact to the loss of habitat?  NO / YES
Which	conditions are recommended?
(Try to	select conditions from the Menu of Conditions)
4) If conditions	select conditions from the Menu of Conditions)  cannot be identified to offset impacts to the habitat, would the proposed use harm the species?  NO / YES  , please explain:
4) If conditions	select conditions from the Menu of Conditions)  cannot be identified to offset impacts to the habitat, would the proposed use harm the species?  NO / YES
4) If conditions  If YES	select conditions from the Menu of Conditions)  cannot be identified to offset impacts to the habitat, would the proposed use harm the species?  NO / YES  , please explain:
4) If conditions  If YES	select conditions from the Menu of Conditions)  cannot be identified to offset impacts to the habitat, would the proposed use harm the species?  NO / YES  , please explain:
4) If conditions  If YES  ODFW RECOM	select conditions from the Menu of Conditions)  cannot be identified to offset impacts to the habitat, would the proposed use harm the species?  NO / YES  please explain:  MENDATION:
4) If conditions  If YES  ODFW RECOM	select conditions from the Menu of Conditions)  cannot be identified to offset impacts to the habitat, would the proposed use harm the species?  NO / YES  please explain:  MENDATION:  val with conditions.

## WATERMASTER DIVISION 33 APPLICATION WORK SHEET

Recommendations for Water Right Applications that may affect the Habitat of Sensitive, Thry

OAR 690-33-310 through 340. FILE#: G 15567 Date: 2/1/02 21 day Deadline Date: 2/22/02 Application #\_\_\_ JOEL NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD, OR 97032 Applicant's Name: \_\_\_\_\_ SOURCE OF WATER: GROUNDWATER ☐ STORAGE ☐ SURFACE WATER 1) If from surface water, does the water at the proposed diversion location flow into another water body? **SOMETIMES** O NO ☐ YES If sometimes, describe the time period, Between: 2) Does the source ever go dry in the area of the proposed diversion? NO, not to my Knowledge 3) To your knowledge, has the requested source of water been regulated because of insufficient flow to satisfy existing water rights including instream water rights? 10 NO, 4 ☐ YES If YES, please explain: 4) Is there sufficient flow at the proposed point of diversion to satisfy all existing water rights and provide the quantity of water requested under this application? A Don't Know □ NO O YES 5) Did you meet with staff from another agency to discuss this application? NO NO ☐ YES Who: 6) Is mitigation an option? D NO N/A ☐ YES If YES, please explain: Date: 2.26.2002 Title: WM 16

**WRD** Contact:

Kerry Lefever, Acting Interagency Coordinator, Water Rights Division

1-800-624-3199 ext: 276 / Fax: 503-378-6203 / e-mail: Kerry.A.LEFEVER@wrd.or.state.us

## Schaudel- DEQ

### DIVISION 33 APPLICATION REVIEW SHEET FOR USE BY DEQ

Recommendations for	or Water Right Applications th Species, O	at may affect the Habita AR 690-33-310 through		FILE#: G 15567
Date: 3/1/02	21 day Deadline Date: _	2/22/02	Application	JOEL NEUSCHWANDER 6097 S WHISKEY HILL RD
Applicant's Name:				HUBBARD, OR 97032 BW rewid 2/21
1) Is there a connection	n to a 303(d) listed water quali	ity limited waterbody?	NO (YES	
Explain:	Bear Creek	or temper	to Pud nature.	ding Kover,
2) What is the potentia	al for this use to impact a water	quality limited waterbo	ody: HIGH	MEDIUM LOW
Explain: 1  tex		icrease.	r Creek This w River Les don	will result ould increase instream.
3) If the answer to que the habitat of sensitive	estion (2) is HIGH or MEDIUM e, threatened, or endangered fis	M, will the proposed use the species? NO	still result in dim	inution of water quality for
If YES, how	Parameter parameter habitat.	ture is a for gue	n imp	ortant aquatre
4) Can conditions be a	applied to mitigate the impact of	of the use?	YES	
Which condi	tions are recommended?	(Try to select conditio	ns from the Menu	of Conditions)
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
5) If conditions cannot or Endangered Fish S	ot be identified to offset impac pecies? NO	YES	ise affect the Habi	itat of Sensitive, Threatened,
If YES, pleas	se explain:			
DEQ RECOMMEN				RECEIVED
Approval wi	th conditions.			FEB 1 1 2002
Approval wit	thout conditions.			DEQ - MEDFORD
Denial.	0 00 01	000	40	22 2002
DEQ Representative:	Name: Beta f. U	precuasion	ate: Jeli-C	COU C.
WRD Contact: Ker	ту Lefever, Senior Water Righ -378-8455 ext: 276 / Fax: 503	its Technician, Water Ri	ights Division	Dwrd.or.state.us
503 Revised: 08/13/01	-5/0-0455 CKL 2/0/ Fax. 505	-570 02057 0-man. Re	,	<b>J</b>

# OREGON WATER RESOURCES DEPARTMENT



State of Oregon Water Resources Department 158 12<sup>th</sup> ST NE, Salem, OR 97301 (503) 378-8455 www.wrd.state.or.us

## **FAX TRANSMITTAL**

TO: SCOTT ASHCO	M FAX NUMBER: 5	03-659-4754
COMMENTS:	ROCESSING FORM P none Conversation.	
	Jerny (	Santy
DIRECTOR'S OFFICE  Water Resources Commission  Legislation and Rules  Public Information  FIELD & TECHNICAL  SERVICES  Hydrographics  Ground Water  Information Services  GIS/Mapping	ADMINISTRATIVE SERVICES  Fiscal / Accounting  Human Resources / Personnel  Water Development Loan Fund  Support Services  FIELD & TECHNICAL SERVICES  Dam Safety  Enforcement  Regional Liaisons  Transfers	WATER RIGHTS  Water Rights information  Adjudications  Hydroelectric  Certifications / Final Proofs  Hearings / Contested Cases  NORTHWEST REGION  District 16 Watermaster
FAX: (503) 378-2496	FAX: (503) 378-8130	FAX: (503) 378-6203

Notification to withdraw Water Right	Application # WAB #
stopped and the fees (minus a \$50 ex	materials, I am requesting that the processing of my application amination fee) be refunded. I understand that without a permit I md in my application.
Signed:	Date:
Signed: (authorized agent)	Date:
	v), timely submission of this request authorizes that the water rig Ill filing fees, except \$50, be returned.
This notice must be received	by the Water Resources Department by:
•	
STOP PROCESSING  Notification to withdraw Water Right.	Application # WAB #
Notification to withdraw Water Right . After looking over the Initial Review r stopped and the fees (minus a \$50 exa	materials, I am requesting that the processing of my application
Notification to withdraw Water Right . After looking over the Initial Review r stopped and the fees (minus a \$50 exa not legally use the water as requested	materials, I am requesting that the processing of my application
Notification to withdraw Water Right . After looking over the Initial Review r	materials, I am requesting that the processing of my application amination fee) be refunded. I understand that without a permit I m I in my application.
Notification to withdraw Water Right.  After looking over the Initial Review restopped and the fees (minus a \$50 examples and the water as requested signed:  (authorized agent)  Under ORS 537.150(sw)/537.620(gw)	materials, I am requesting that the processing of my application amination fee) be refunded. I understand that without a permit I m I in my application.  Date:



**Water Resources Department** 

Commerce Building 158 12th Street NE Salem, OR 97301-4172 (503) 378-3739 FAX (503) 378-8130 www.wrd.state.or.us

February 1, 2002

JOEL NEUSCHWANDER 6097 S WHISKEY HILL RD HUBBARD, OREGON 97032



(503) 651-3253

Reference: File G-15567

Dear Mr. Neuschwander:

## THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.

This letter is to inform you of the unfavorable preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

#### Initial Review Determinations:

- 1. The proposed use is not prohibited by law or rule.
- 2. The use of water from TWO WELLS IN BEAR CREEK BASIN for NURSERY USE OF 176.29 ACRES is not a classified use under OAR 690-502-120, Molalla River Pudding River Subbasin of the Willamette Basin Program. The Department's Groundwater Section has determined that the two wells have the potential for are hydraulicly interference with surface water. The surface waters of Bear Creek and tributaries are classified for storage only (OAR 690-502-120(1)(e)).
- 3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will have the potential for substantial interference with the nearest surface water source, namely Bear Creek. Therefore limitations to the surface water source must be applied to this application also.
- 4. Surface water in the amount of 1.6 CUBIC FEET PER SECOND (CFS) is not available at any time of the year. The surface waters of Bear Creek and tributaries are withdrawn by order of the State Engineer, Volume 7, Page 229, dated August 13, 1951.

Page 1

5. Because water is not available for a full season, NURSERY USE OF 176.29 ACRES cannot be allowed.

#### Summary of Allowable Water Use

Because items #4 and #5 above are unfavorable, the use of 1.6 CUBIC FEET PER SECOND (CFS), BEING 1.11 CFS WELL 1 AND 0.49 CFS WELL 2 of water from TWO WELLS IN BEAR CREEK BASIN for NURSERY USE OF 176.29 ACRES is not allowable, and it appears unlikely that you will be issued a permit. At this time, you must decide whether to proceed or to withdraw your application as described below.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

#### Withdrawal Refunds:

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$50 processing charge per application.) To accomplish this you must notify the Department in writing by **Friday**, **February 15**, **2002**. For your convenience you may use the enclosed "STOP PROCESSING" form.

#### To Proceed With Your Application:

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a proposed final order.

#### If A Permit Is Issued It Will Likely Include The Following Conditions:

- 1. Measurement, recording and reporting conditions:
  - A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
  - B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

2. To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

#### Before Use of Water Takes Place

#### Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

#### After Use of Water has Begun

#### Reference Water Level Determination

Following the first year of water use, the user shall submit one static water level measurement in the month specified above which will establish the reference level against which future annual measurements will be compared. The water user is not required to measure additional water levels after the reference level has been determined unless required by the Director. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- (A) Identify each well with its associated measurement; and
- (B) Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- (C) Specify the method used to obtain each well measurement; and
- (D) Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if annual water level measurements reveal any of the following events:

- (A) An average water level decline of three or more feet per year for five consecutive years; or
- (B) A water level decline of 15 or more feet in fewer than five consecutive years; or
- (C) A water level decline of 25 or more feet; or
- (D) Hydraulic interference leading to a decline of 25 or more feet in any

## neighboring well with senior priority.

The period of non or restricted use shall continue until the annual water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

- The amount of water used for NURSERY OPERATIONS is limited to a diversion of 0.15 cubic foot per second per acre. For the irrigation of containerized nursery plants, the amount of water diverted is limited to ONE-FORTIETH of one cubic foot per second (or its equivalent) and 5.0 acre feet per acre per year. For the irrigation of in ground nursery plants the amount of water diverted is limited to ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre feet per acre per year. The use of water for NURSERY OPERATIONS may be made at anytime, during the period of allowed use specified above, that the use is beneficial. For the irrigation of any other crop, the amount of water diverted is limited to ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 2.5 acre feet per acre during the irrigation season of each year.
- 4. The tentative priority date for this application is JULY 25, 2001.

The water source identified in your application is in an area in which an Agricultural Water Quality Management Area Plan is being developed. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders. These plans help make sure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to contact Mike Wolf, (503) 986-4711 at the ODA to learn more about the plan and how it may affect your proposed water use.

Information obtained from the Department of Environmental Quality (DEQ)indicates that the source of water identified in your application is "Water Quality Limited". That means that there are water quality concerns. DEQ will be looking at information from your application to see if additional conditions or restrictions are needed to protect the water quality situation. One possible outcome is that the Water Resources Department will propose in the proposed final order that your application be denied. You are encouraged to contact Andy Schaedel (503)229-6121at DEQ to discuss the specifics of your application. Often, this information exchange can allow the water use to occur and at the same time keep the water quality situation from worsening.

#### If you have any questions:

Questions about the status of your application, processing timelines, or your upcoming Proposed Final Order should be directed to our Water Right Information Group at (503) 378-8455 extension 499. Feel free to call me at (503) 378-8455 extension 458 if you have any questions regarding the contents of this letter. Please have your application number available if you call. Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 158 12th ST. NE Salem, OR 97310, Fax: (503)378-6203.

Sincerely,

Jerry W. Gainey

Water Right Processing Technician

cc:

Regional Manager, Watermaster District 16, Water Availability Section

enclosures:

Flow Chart of Water Right Process

Stop Processing Form

G-15567 wab 02-151 pou 02-151 gw A

## APPLICATION FACT SHEET

Mail to: Applicant, Watermaster, District Biologist (ODFW)

If necessary, also mail to: Regional Water quality manager (DEQ), and DOA

Application File Number: G-15567

Applicant: JOEL NEUSCHWANDER

County: CLACKAMAS

Watermaster: District 16

Priority Date: JULY 25, 2001

Source: TWO WELLS IN BEAR CREEK BASIN

Use: NURSERY USE OF 176.29 ACRES

Quantity: 1.6 CUBIC FEET PER SECOND (CFS), BEING 1.11 CFS WELL 1 AND 0.49 CFS

WELL 2

Basin Name & Number: Willamette, #02

Stream Index Reference: Volume 15A BEAR CR

Well Locations: Well #1: SENE, SECTION 32, T 4S, R1E, W.M.; 550 FEET NORTH & 1250

FEET WEST FROM THE E 1/4 CORNER OF SECTION 32

WELL #2: SENW, SECTION 32, T 4S, R1E, W.M.; 50 FEET NORTH & 50 FEET WEST

FROM THE C 1/4 CORNER OF SECTION 32

Place of Use: SWNE 40.0 ACRES, SENE 25.6 ACRES, SENW 40.0 ACRES, NESW 23.0

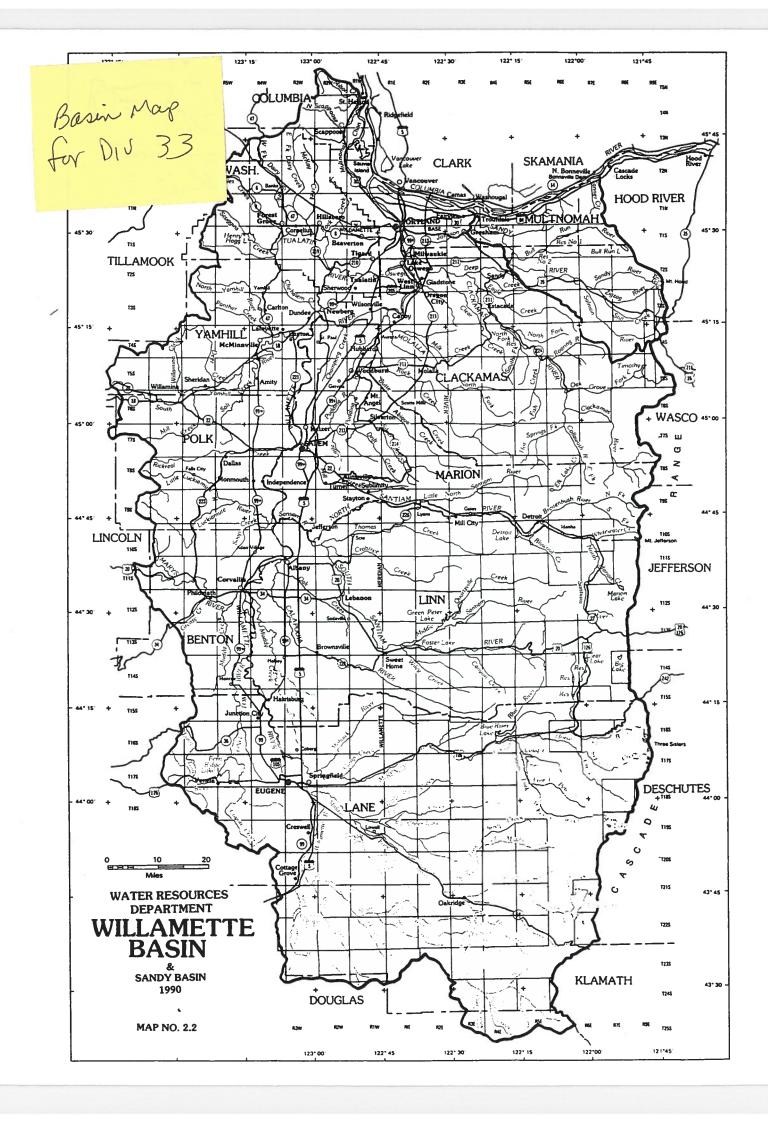
ACRES, NWSE 23.845 ACRES, SWSE 23.845 ACRES, SECTION 32, TOWNSHIP 4

SOUTH, RANGE 1 EAST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, February 15, 2002

PUBLIC NOTICE DATE: Tuesday, February 19, 2002

30 DAY COMMENT DEADLINE DATE: Thursday, March 21, 2002





# Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. Thank you.

7 65	<b>J</b>					EGE	IVE
	1	. APPLICANT I	NFORMA	TION		JUL 2	5 2001
A. Individuals	3						OURCES DEPT
Applicant: <u>JoEL</u>	NEUS First	CHWANDER		Last		SALE	M, OR
Co-applicant:	First			Last	77 1		
Mailing address:	6097	S. WHis	KEY	HILL RO	OAD		nall as n'es
	BARD City		State		970	32_ Zip	
Phone: (503)	651 - 32 Home	.53	Work			Other	
*Fax:		*E-Mail a	address:	pre to de		1 - 1	, in 12.3
B. Organizations (Corporations, association Name of organization	ns, firms, partn		2	id in this	olic and n	nunicipal co	rporations)
Name and title of pe	rson applyin	g:					
Mailing address of o	rganization:			VC 55 W III			
	City		Sta	te ,		Zi	p
Phone:	Day		Eve	ening			
*Fax:		*E-Mail a	address:			11 = 11	
Optional information	[]計制:						
App. No.	15567	For Depart		D	ate	7-75-0	7/
	Alba tratta	4	101				

Ground Water/1

2. PROPERTY OWNERSHIP
acilos terrestas en normalidas
Do you own all the land where you propose to divert, transport, and use water?
Yes (Skip to section 3 "Ground water Development.")
☐ No Please check the appropriate box below.
☐ I have a recorded easement or written authorization permitting access.
<ul> <li>I do not currently have written authorization or easement permitting</li> </ul>
List the names and mailing addresses of all affected landowners t

acces List the names and	mailing addresses of all affe	cted landowners.*
	1/211	
JUL 25 2001	64	
		200
1 <del>124 2 12 2 12 12 12 12 12 12 12 12 12 12 12</del>		
is, participated for the Birth, as it is not us not not the neighborst differentiable.	codembative 3	
	uners are involved, a list is not re	auired See instructions
If more than 25 landor	vners are involved, a list is not re	quired. See instructions.
If more than 25 landor		
If more than 25 lando		quired. See instructions.  ER DEVELOPMENT
	3. GROUND WAT	ER DEVELOPMENT
<b>A</b> . Number of well(s	3. GROUND WATI	nearest surface water body: BEAR CREEK
<b>A</b> . Number of well(s	3. GROUND WATI	nearest surface water body: BEAR CREEK
A. Number of well(s	3. GROUND WATE  3. GROUND WATE  B. Name of the self (s) to nearest stream or lake	ER DEVELOPMENT

#### E. Well Characteristics

Wells must be constructed according to standards set by the Department for the construction and maintenance of water wells. If the well is already constructed, please enclose a copy of the well constructor's log and the well ID number, if available, for each well with this application. Identify each well with a number corresponding to the wells designated on the map and proceed to question F in this section of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

3)

Well(s) will be constructed by:	SEE ARTACHE	D WELL LOGS. 51287 AND CLAC 12700
Address:	WELL LOG CLAC	51287 AND CLAC 12700
		TO FREINFE
Completion date:		
		JUL 2 5 2001
	Ground Water/ 2	WATER RESOURCES DEPT SALEM, OR

### 2. Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
	à		See	ATTACH	ED WE	11 60	. کی	AK VIEW	1
						11.55 Hall		Special Confidence	_
		200							
		ente visa							

F. Artesian Flows				
If your water well is flowing artesian, desc	cribe your wate	er control and cor	servation w	orks:
μ	la		- 0 F I	ME
	1	16	5 12	VIS

2001 25 JUL WATER RESOURCES DEPT SALEM, OR

## 4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

## A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is domestic, indicate the number of households to be supplied with water:
- Permit No. • If your proposed use is irrigation, please attach Form I
- If your proposed use is mining, attach Form R
- If your proposed use is municipal or quasi-municipal, attach Form M
- If your proposed use is commercial/industrial, attach Form Q

## **B.** Amount of Water

Provide the production rate in gallons per minute (gpm) and the total annual amount of water you need from each well, from each source or aquifier, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	ARNIFER	CAGRICULTURAL USE)	500gpm		500 gpm
2	AQUIFOR	NURSBEY USE CAGRICULTURAL USE) NURSBRY USE CAGRICULTURAL USE)	220 gpm		220gpm

C. Maximum Rate of Use Requested  What is the maximum, instantaneous rate of water that will be used? 720 gpm.  (The fees for your application will be based on this amount.)	<del></del>
D. Period of Use Indicate the time of year you propose to use the water:  (For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1—October 31	.)
E. Acreage If you will be applying water to land, please give the total number of acres where water will be applied or used:  (This number should be consistent with you application map.)	
5. WATER MANAGEMENT	
A. Diversion What equipment will you use to pump water from your well(s)?	PABLES
Pump (give horsepower and pump type) SEE ATTACHED WELL Lobs 25	np last (2
□ Other means (describe)	
B. Transport  How will you transport water to your place of use?  JUL 2 5 2001	
□ Ditch or canal (give average width and depth)	
WidthDepthWATER RESOURCES DEPT	
Is the ditch or canal to be lined?   Yes   No	
Pipe (give diameter and total length)	
Diameter 4"MAINLINE Length (2) QUARTER MILE MAINLINES	
Other (describe) INTO HAND LINES, then 18" Risers.	

rrigation or land application	on method (check all that apply):	
□ Flood	☐ High-pressure sprinkler	Low pressure sprinkler
□ <b>D</b> rip	□ Water cannons	☐ Center pivot system
☑ Hand lines	□ Wheel lines	
□ Siphon tubes or gat	ed pipe with furrows	
☐ Other, describe		
Distribution method		
☑ Direct pipe from sou	urce   In-line storage (tank or po	nd)   Open canal
method? For example, if yneed additional space, att	The gazan State of the first property of	
HAND LINES		MECENNER
A 2105		
		JUL 2.5 2001
		0 0 2 2 2 2001
	6. PROJECT SCHEDUL	E WATER RESOURCES DEPT SALEM, OR
ndicate the anticipated dates t egun, or is completed, please	hat the following construction tasks shou indicate that date.	ld begin. If construction has already
Proposed date construction	on will begin 1 August 20	01
Proposed date construction	on will be completed Au&	ust 2001
Proposed date beneficial	16011	GUST 2001
1000	7. REMARKS	
he specific application question WE APPLY HERE FOR TERIGATED UNDER P	information you have provided in the apmyou are addressing.  89 a cives of ARiculture Use ( ERMIT 16827 (CENTIFICATE 2  85.09 acres of Nursery USE @	2.5 AF/ac for all LANDS 20401) = 222.5 AF.

Ground Water/5

#### 8. MAP REQUIREMENTS

The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

### 9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:

WATER RESOURCES DEPT

SALEM, OR

Signature of Co-applicant

Before you submit your application be sure you have:

wsch.

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount.



## Oregon Water Resources Department Land Use Information Form

JUL 2 5 2001

This information is needed to determine compatibility with local comprehensive plans as required by ORSC 197180. The Water Resources Department will use this and other information to evaluate the water use application. DO NOT fill out this form if water is to be diverted, conveyed, or used only on federal lands.

Day Phone: (503) 651–32  n or through which water will be ed (taken) from its source on tax lot sed" if water will be put to beneficiar a sheets as necessary.) Applicants by substitute existing and proposed elow.
Day Phone: (503) 651–32  n or through which water will be ed (taken) from its source on tax lot sed" if water will be put to beneficiar a sheets as necessary.) Applicants by substitute existing and proposed elow.
n or through which water will be ed (taken) from its source on tax lot sed" if water will be put to beneficia ra sheets as necessary.) Applicants sy substitute existing and proposed elow.
ed (taken) from its source on tax lot sed" if water will be put to beneficia ra sheets as necessary.) Applicants sy substitute existing and proposed blow.
Water to be: (check all that apply)
Diverted Conveyed Used
Diverted Conveyed Used
Diverted
use (found in the instruction booklet scribe the key characteristics
WITH CONTAINERIZED
RY STOCK OF IN
D) EGEIVE
7) 367 D E G E I V I
DEGETATION OF THE PROPERTY OF
Div Div

The following section must be complete located entirely within the city limits. additional forms as needed or feel free to	In this case, only the city planning ago	ity and city listed	
A. Allowed Use Check the appropriate box belove.	v and provide requested inform	ation.	
Land uses to be serv allowed outright or a	red by proposed water uses (increased by your compression of the compr	cluding propose ehensive plan.	Cite applicable
	ed by proposed water uses (included land use approvals as listed in		
Type of Land Use Approval Needed (e.g. plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References		e item that applies: Use Approval:
		☐ Obtained☐ Denied	☐ Being pursued☐ Not being pursued☐
2		☐ Obtained☐ Denied	☐ Being pursued☐ Not being pursued
		☐ Obtained☐ Denied☐ Obtained☐ Denied☐ Denied☐	☐ Being pursued ☐ Not being pursued ☐ Being pursued ☐ Not being pursued
Note: Please attach documentation (Record of Action plus accompany)  — B. Approval  Please provide printed name an	ng findings is sufficient.)		
Name: lerry Curry	Phone: (50)	Date: 3) 353 4-5	00 JULY 0 1
Signature:			
C. Additional Comments  Local governments are invited to the Department regarding this part to the Department regarding this part to the Department regarding this part to the Department regarding this part to the Department regarding this part to the Department regarding this part to the Department regarding this part to the Department regarding the Department reg			
		П П	JUL 2 5 2001
<b>Note:</b> If this form cannot be compositructed below. You will have 30 decompleted Land Use Information Fright is compatible with local comp	ays from the Water Resources Dep Form or WRD will presume the lar	n and detach the artment's notice id use associated	SALEM, OR receipt stub as in-

The following point of diversions may have been filed on a restricted stream

Apı	plication	Stream	Restriction
G	15566	UNN STR > BEAR CR	WTHDRWN SEO V7 P229
G	15566	UNN STR > BEAR CR	WTHDRWN SEO V7 P229
G	15567	UNN STR > BEAR CR	WTHDRWN SEO V7 P229
G	15567	UNN STR > BEAR CR	WTHDRWN SEO V7 P229



## Oregon Water Resources Department

## FORM I FOR IRRIGATION WATER USE

1. Please indicate whether you are requesting a primary or supplemental irrigation water right.
Primary D Supplemental
If supplemental, please indicate the number of acres that
will be irrigated for each type of use.
Primary: 174.09 Acres
Secondary: Acres
List the permit or certificate number of the primary water right:  CERTIFICATE 20 401  PERMIT 16827
2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or
partial season:
1. Nurs bry Stock Contained De Full season De Partial season (from:to)
2 D Full season D Partial season (from:to)
3 to to
4 O Full season O Partial season (from: to)
3. Indicate the maximum total number of acre-feet you expect to use in an irrigation season:
1.47 at
(1 acre-foot equals 12 inches of water spread over one acre, or 43,560 cubic feet, or 325,851 gallons.)
gallons.)
4. How will you schedule your applications of water? Will you be applying water in the evenings, twice a week, daily?
Daily during daytime hours     Daily during nighttime hours
☐ Two or three times weekly ☐ Two or three times weekly
during daytime during nighttime
☐ Weekly, during daytime hours ☐ Weekly, during righttime hours
☐ Other, explain:
Application No. 9 (5567 WATER RESOURCES DEPT SALEM, OR
Permit No.

#### The wall of the party of the pa

STATE OF OREGON
WATER WELL REPORT

JUN 27 1988

(as required	by ORS 537.765)	WATED DEC	OURCES DEPT						
(1) OWNER	l:	SWellnu	merecon	(9) LOCATION	OF WELL by I	egal d	escrip	tion:	
Name JOB	NEUSCH	WANDER			Amainte	_	_		
Address 605	59 S WK	liskey Hill	<u> 20</u>		Nor S, Range				v. wi
City HUAB	413	State OR	Zip		'¼				,
(2) TYPE 0	F WORK:			Tax Lot	Lot Bloc	:k	Sub	division_	
New Well	Deepen [	Recondition	Abandon	Street Address of V	Vell (or nearest address) _				
(3) DRILL	METHOD	_ =		S. NE	EDY KO,	ANG	34		
☐ Rotary Air	☐ Rotary Mud	Cable		(10) STATIC V	VATER LEVEL	:			
Other		- 0. 2		<u>29</u> ft.	below land surface.		Date	, <u>5</u> /2	:5/
(4) PROPO	SED USE:			•	lb. per squ	uare inch.			7
		Industrial Firm	gation		EARING ZONE				
7		Other				20.			
	IOLE CONST			Depth at which water wa	· · · · · · · · · · · · · · · · · · ·				
	n approval Yes N		leted Well 154 ft.		То		mated Flo		S
	Type _		**** * * * * * * * * * * * * * * * * *	85	102	+ · · ·	GPA	· ·	
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neter From	To Materi	al From To	Amount sacks or pounds			<del> </del>			+
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8 20	154				Material		From	То	S
				Soic			1	3	
How was seal placed	d: Method LA	BB C DD	⊔ Ε (Επιρλ	CLAY BROW			3	31	1
		ft. Material		SAND BRO			31	3/	_
		ft. Size of gravel		CLAY GREY			31	42	+
(6) CASING				CEMENTES			63	63	+
	•	Gauge Steel Plastic	Welded Threaded	SICT BLACE				70	+
Casing: 8	0 154				OCK FINE		82	92	+
					GRAVEL		92	105	_
				CLAY BLU			105	115	
				CLAY GREY			115	132	_
Liner:				SANS LA					
	1 151			CLAY GREEN			132	144	<u>'</u>
	pe(s)154			SILT DAK			244	147	$\perp$
	RATIONS/SC		•	CLAY BLUE	GREEN		147	154	1
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ADD	lication	F-464			-				
10	1 12 0000			Date started 5//	3/68 Com	pleted	5/25	-/88	_
(O) YYER 7 (F	ECTIC TO			(unbonded) Water	Vell Constructor Ce	rtificat	ion:	1	
	ESTS: Minim	um testing time is	1 hour Flowing	I certify that the	work I performed o	n the co	matricti	on, alter	ratio
☐ Pump	☐ Bailer	— 💆 Air	Artesian	abandonment of this standards. Materials u	well is in compliance	e with (	Oregon v	well con	stru
Yield gal/min	Drawdown	Drill sem at	Time	knowledge and belief,	2 E 2001	epured .	above ar	e true to	) my
500	46	Pump	1 hr.	II II OOL	2 3 2001	$\mathcal{L} \setminus \mathbf{w}$	WC Nu	mber	6
300	21	AIR LIFT	3	Signed		D	ate		9 5-27
				(bonded) Water Wel	Constructor Certif	fication	:		_
Temperature of wat	ter	Dept[Artesian Flow	Found	I accept responsi	bility for the construc	ction olt	eration.	or aban	doni
Was a water analysi		By whom		work performed on the	well during the cons	struction	dates re	eported a	abov
		for intended use? T	oo little	construction standard	This report is true	to the b	est of m	y knowl	edge
	dy 🗌 Odor 🔲 Co	lored D Other		bener.	0/<		/WC Nu	-	- 4
Depth of strata:		<u> </u>		Signed	and the	K D	ate 3	25/	8
WHITE COPIES -	WATER RESOURCE	ES DEPARTMENT	YELLOW C	OPY - CONSTRUCTOR	PINK COP	Y - CUST	OMER		09000

	1			792 69
7.	START		TAY	1808 - C
SE (10.1	NOTICE OF BEGINNING	OF WELL CONSTRU y ORS 537.762)	WATER RESOU	BOES DEPT
ar 1				REGON
This form must be com delivered to the Water ment of each well.	pleted, signed by both the owner Resources Department prior to	or (or authorized ager commencement of o	nt) and constructor, and construction, alteration of	the original or abandon-
ment of each well.	27		· <del>.</del> .	With the
Owner's Name and	JOEL NEUSCHWA	WTGR.		
Mailing Address	No. 1	ex Hice Ro	a de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	ж <u>к</u> сел
and the same	HUBBARD DR.,	4	<b>*4</b> *.25	
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Proposed Commencer	nent Date MAY 12, 198	<u> </u>	a	
de Condine			عالی ۱۹۰۷ ما دیبارش با برای اشا دری لازمان با دریای برای نگ	gan digita da luma da Angantang
Proposed Well Depth _	vi ve versione ha	neter <u>o</u>	And the	بطريجه ونه به
Ö Domestic	☐ Community ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	☐ Industrial	[2] Irrigation	. 1 °€ , + Ç
Division in the contract of th	JAVA 18 STEEL STEEL	- C. 2. K. J. J. J.	CAME Y THE PARTY TOWN	State of Action
Proposed Well Location	n: County CACKA		10	4.
Township 4	(N of S) > (Range)		r W) Section 3	
1 しゃいのでは、14 では およいいいでは、14 によりは	7/1: \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	2 1/4 of above sec	tion - Like Yes	· *
Weather 18	一つるいかんの をまて コルス		1 117 10	
Arleast 2	2. street address of well location in the state of the st		, a	1
of these	7.5	. d . 35 35. <u>. 1</u> G . d S	The state of the s	er ve
must be provided	3: tax lot number of well loc		Acceptance of the control of the con	1. 16.
2. C. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1 1 1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	••;	រស់ខាត់ មន្តិក្រោត្រ (	is '\$.".
ي . و چ ۲۰۰۶ د ده د ۱۰ مازدان	4. attach approved map wil	th location identitied. r approved maps)	ro ByroG <sub>ara</sub> i y j	in the state of the
ระหร้าง (วาร์กเหลือ การให้นำให้ เอาสาย (ออก เออก เออก เออก เออก เอาสาย	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		្រ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស់ ស្រាស	ner No. Provide
· We hereby certify that	we have read the back of this to	orm, and that to the b	est of our knowledge the	information
provided herein is acc	urate and the well is being prop	erly located from ser	tic tanks and septic dra	in fields.
XI MICH 100°	schwant	x Xuh	and Buch	i
Own	ner's Signature		Bonded Water Well Constructor	
- Owner		License No	743.	
4/14/8	<b>S</b> Title	Company	RECK WELL DO	1667116
Date	,	Company	2 - 11 1 - 1 U	1/2 3
Note: This is not a Wa	ater Right application. The own	er is responsible for	obtaining a Water Righ	t through the
. water Resource	es Department if required.	1557 15		
Form 537.762 1987	pplication No.S		JUL 2 5 2001	וע
12 00	Permit No.	.   '		
ن رحم ۲۰۰	Barry Lands The state of the		WATER RESOURCES DEPT SALEM, OR	

## Well Log Report - Page 1 of 1

Township: 4S, Range: 1E, Section: 32, County: CLAC, Last Name contains: neuschwander, Well Log ID: CLAC 12700

Click on the column heading to re-sort the results, Click on Well Log to view image, Click here if you are having

problems

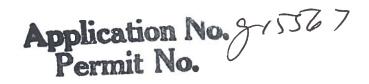
Well	T-R-S/ Q-QQ	Taxtot	Street of Well	Owner	Company	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	E
CLAC 12700	4S-1E- 32 -SE		S NEEDY RD, CANBY 97013	NEUSCHWANDER , JOEL		w	31	154	29	500	5/25/1988	6/27/1988	RJ

Go to page: 1

WELL 1

- Download tabular data in an ascii tab delmited format
- ▶ Report Errors with Well Log Information
- ▶ Return to GRID Query Screen





## RECEIVED

JAN - 9 1997

TAG # LOZOTX

STATE OF OREGON

WATER SUPPLY WELL REPORT 5/28 7

(as required by ORS 537.765)

Instruction 2 (START CARD) #\_ Instructions for completing this report are on the last page of this WOTTER RESOURCES DEPT. SALEM OREGON
OF WELL by legal description: Well Number (1) OWNER: CLACKAMAS Latitude\_\_ Longitude County Neuschwander's Nursery E or W. WI Name N or S Range 18 45 6097 S. Whiskey Hill Rd Address 1/4 Se 1/4\_\_\_ Nw Zip 97032 <u>Hubbard</u> City Subdivision Block Tax Lot Lot (2) TYPE OF WORK Street Address of Well (or nearest address) New Well Deepening Alteration (repair/recondition) Abandonment 29435 S Needy Rd (3) DRILL METHOD: (10) STATIC WATER LEVEL: Auger Rotary Air Rotary Mud X Cable Date Sep 10 ft. below land surface. Other Date lb. per square inch. Artesian pressure (4) PROPOSED USE: (11) WATER BEARING ZONES: Industrial [ Irrigation Domestic Community Other Livestock Thermal ☐ Injection Depth at which water was first found (5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 140 ft Estimated Flow Rate From Explosives used Yes No Type Amount 140 40 50<sup>™</sup> Sacks or pounds 35 Sacks Material Diameter 12 From 50 Bentonite 140 (12) WELL LOG: □E Ground Elevation  $\square$ B Method How was seal placed: K Other Granular Bentonite method From To Material Material Backfill placed from ft. to Soil Size of gravel nea ft. ft. to 120 Gravel placed from 60 38 Clav. Brown (6) CASING/LINER: 54 38 Cemented gravel, brown Threaded Gauge Steel Plastic Welded Diameter 54 58 Clay, orey Ö Casing 58 60 Clay, orey, sandy 69 Sand, black, fine 71 Sand and gravel, black 74 Cemented oravel, sand Liner: 95 74 Sand & gravel 95 98 Clay, blue Final location of shoe(s) 140 101 98 clay, grey, silty (7) PERFORATIONS/SCREENSTIVE DOWN 108 101 Silt, dark orey Perforations Method \_ 116 108 Clay w/black coarse sand Material Screens Type Clay, grey w/some cemented gravel116 136 Tele/pipe Slot Line Casing 140 .188 179 Clay, blue Note: 6 inch gravel feed each side of 8 inch well August 8, 1996 Completed WELL TESTS: Minimum testing time is 1 hour Date started (unbonded) Water West Constructor Certification:

I certify that the work I performed on the construction, alteration, or aband of this well is in confliance with Oregon water supply well construction stand Materials used said information reported above are true to the best of my know and belief Flowing ☐ Air Artesian Bailer Pump Time Drill stem at Drawdown Yield gal/min air line @ and belief. 1 hr. JUL 25 2001 WWC Number 4 hr 105 220 Signed (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water 53 I accept responsibility for the construction, alteration, or abandonment wo performed on this well during the construction dates reported above. All wor Yes By whom Was a water analysis done? performed during this time is in compliance with Oregon water supply well Did any strata contain water not suitable for intended use? Too little construction standards. This report is mult to the best of my knowledge and b Salty Muddy Odor Colored Other

## Well Log Report - Page 1 of 1

Township: 4S, Range: 1E, Section: 32, Last Name contains: neuschwander, Well Log ID: CLAC 51287

Click on the column heading to re-sort the results, Click on Well Log to view image, Click here if you are having

problems

	T-R-S/ Q-QQ		Street of Well	Owner	Company	Well Type	First Water	Completed Depth	Static Water Level	Yield	Completed Date	Received Date	Bc Con:
CLAC 51287	4S-1E- 32 SE-NW	900	29435 S NEEDY RD	NEUSCHWANDER, JOEL	NEUSHWANDERS NURSERY	w	40	140	47	220	12/10/1996	1/9/1997	B RIC BEC DRI

Go to page: 1

WELL 2

- Download tabular data in an ascii tab delmited format
- ▶ Report Errors with Well Log Information
- ▶ Return to GRID Query Screen



Application No. 7(567)
Permit No.

