

FILE#: G 14678

ANDY ROOT
HC 73 174 HARNEY RD Bop 946
BURNS, OR 97720

Application No. G14678
Permit No. G13539 (G-17574)
Certificate No. 99195 G-18090

Stream Index, Page No.

FEES PAID		
Date	Amount	Receipt No.
2-2-98	\$1,600. ⁰⁰	18837
12-23-99	175-	25666
4-26-10	500. ⁰⁰	99791
12-5-11	150. ⁰⁰	10466A
3-26-13	\$500. ⁰⁰ Cert. Fee	108379
10-15-18	200.00	128204
Date	Amount	Check No.

Date filed
Priority
Action suspended until 1/8
Return to applicant
Date of approval

CONSTRUCTION

Date for beginning 9/30/18
Date for completion
Extended to
Date for application of water
Extended to 10-1-2011, 10/1/2018

PROSECUTION OF WORK

Form "A" filed
Form "B" filed
Form "C" filed

FINAL PROOF

Blank mailed
Proof received 10-15-18
Date certificate issued 8/28/2020

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

T-11803 A POA, APOA v. 98, p. 368-371 - permit # G-17574 -
T-12267 A POA, POA, APOA v. 109, pg. 546-551 - permit G-18090

CORRU MAP # 1152

Mailing List for Final Certificate

Application: G-14678

Permit: G-18090

Certificate: 95195

Permit/Certificate Holder:

ANDY ROOT
524 HWY 20 N
HINES OR 97738

Copies Mailed	
by:	<u>TM</u> (STAFF)
on:	<u>8/28/2020</u> (DATE)

Is the Permit Holder(s) of record currently identified as a landowner of any tax lots involved as confirmed by the County records? **NO**

Copies of Final Certificate to be sent to:

1. Watermaster District #: 10
2. Water Availability (email)
3. Vault
4. File

Other persons to receive copies: (include map):

1. All Points engineering and Surveying Inc.
Scott Montgomery, CWRE
PO Box 767
Terrebonne, OR. 97760

1. **Current landowner - Map Tax Lots: 22S32E000001900, 22S32E00002000, 22S32E00002100, 22S32E00002200 & 22S32E00002400**
Rattlesnake Creek Land & Cattle Co.
524 HWY 20 N
Hines OR 97738



Oregon

Kate Brown, Governor

Water Resources Department

North Mall Office Building

725 Summer St NE, Ste A

Salem, OR 97301

Phone: 503-986-0900

Fax: 503-986-0904

www.Oregon.gov/OWRD

DATE MAILED: AUG 28 2020

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 Gerry Clark at 503-986-0811.



Mailing List for Proposed Certificate

Application: G-14678

Permit: G-18090

Certificate:

Permit/Certificate Holder:

ANDY ROOT
524 HWY 20 N
HINES OR 97738

Is the Permit Holder(s) of record currently identified as a landowner of any tax lots involved as confirmed by the County records? **NO**

Copies Mailed	
by:	<u>TM</u> (STAFF)
on:	<u>4/23/2020</u> (DATE)

Copies of Final Certificate to be sent to:

1. Watermaster District #: 10
2. File

Other persons to receive copies: (include map):

3. **Current landowner - Map Tax Lots: 22S32E000001900, 22S32E00002000, 22S32E00002100, 22S32E00002200 & 22S32E00002400**
Rattlesnake Creek Land & Cattle Co.
524 HWY 20 N
Hines OR 97738
4. Scott Montgomery, CWRE



Oregon
Kate Brown, Governor

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

DATE MAILED: APR 23 2020

NOTICE

Reference: Application G-14678, Permit G-18090

Enclosed is a proposed certificate of water right and map. The map and proposed certificate represent the extent water was used within the terms of the permit based upon Claims of Beneficial Use, prepared by a Certified Water Right Examiner, that either you or a previous permit holder submitted.

The certificate is the final step in the water right process. The Department encourages you to review this proposal. If you do not agree with the proposed certificate, Oregon Administrative Rule 690-330-010 (2) allows the permittee or landowner 60 days from the mailing date of this notice to request the Department to reconsider the contents of the proposed certificate.

If you agree with the proposed certificate, no response to this notice is required. Sometime after comment period, the recorded certificate of water right will be mailed to the permit holder of record.

If your name is not listed on the proposed certificate, and you are the current landowner, and would like to have the final certificate issued in your name, you may apply through the Department to have the permit assigned to you. If you have any questions about the assignment process, please contact Mary Bjork at 503-986-0817.

If you have any other questions please contact Jonnine Skaug at 503-986-0813.

Sincerely,

Dwight French
Water Right Services Administrator

Pump Capacity Calculator
using Department designed formula:



$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

HARN 1879

Data Entry (fill in underlined blanks)

HP = 125
Efficiency = 7.04
Lift = 490
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 880$
Head based on psi = 101.6
Total dynamic head = 591.6
(head + lift)

Pump Capacity = 1.487 cubic feet per second

Claim says 1.49 CFS
Sprinkler = 0.33 CFS
Pivot out put = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:



HARN 1912

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 50
Efficiency = 7.04
Lift = 365
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 352$
Head based on psi = 101.6
Total dynamic head = 466.6
(head + lift)

Pump Capacity = 0.754 cubic feet per second

Claim Says = 0.75 CFS

Sprinkler = 0.33 CFS

Pivot Output = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:



$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

HARN 50457

Data Entry (fill in underlined blanks)

HP = 100
Efficiency = 7.04
Lift = 420
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 704$
Head based on psi = 101.6
Total dynamic head = 521.6
(head + lift)

Pump Capacity = 1.350 cubic feet per second

Claim Says = 1.35 CFS
Sprinkler = 0.33 CFS
Pivot output = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:

well 4

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

HARN 50241

Data Entry (fill in underlined blanks)

HP = 100
Efficiency = 7.04
Lift = 320
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 704$
Head based on psi = 101.6
Total dynamic head = 421.6
(head + lift)

Pump Capacity = 1.670 cubic feet per second

Claim Says 1.67 CFS

Sprinkler = 0.33 CFS

Pivot Output = 27.8 CFS

Pump Capacity Calculator

using Department designed formula:



$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

HARN 50668

Data Entry (fill in underlined blanks)

HP = 50
Efficiency = 7.04
Lift = 220
PSI = 40

Results Calculated

(hp)(efficiency) = 352
Head based on psi = 101.6
Total dynamic head = 321.6
(head + lift)

Pump Capacity = 1.094 cubic feet per second

Claim says 1.09 CFS

Sprinkler = 0.33 CFS

Pivot Output = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 75
Efficiency = 7.04
Lift = 415
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 528$
Head based on psi = 101.6
Total dynamic head = 516.6
(head + lift)

Pump Capacity = 1.022 cubic feet per second

Claim Says 1.02 cfs

Sprinkler = 0.33 cfs

Pivot Out put = 27.8 cfs

well 6

HARN SOYZZ

Pump Capacity Calculator
using Department designed formula:



$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 25
Efficiency = 7.04
Lift = 415
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 176$
Head based on psi = 101.6
Total dynamic head = 516.6
(head + lift)

Pump Capacity = 0.341 cubic feet per second

Claim Says 0.34 CFS
Sprinkler = 0.33 CFS
Pivot output = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 75
Efficiency = 7.04
Lift = 410
PSI = 40

Results Calculated

(hp)(efficiency) = 528
Head based on psi = 101.6
Total dynamic head = 511.6
(head + lift)

Pump Capacity = 1.032 cubic feet per second

Claim says 1.03 CFS
Sprinkler = 0.33 CFS
Pilot out put = 27.8 CFS



HARN 50890

Pump Capacity Calculator
using Department designed formula:



$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

HARN 50362

Data Entry (fill in underlined blanks)

HP = 150
Efficiency = 7.04
Lift = 410
PSI = 40

Results Calculated

(hp)(efficiency) = 1056
Head based on psi = 101.6
Total dynamic head = 511.6
(head + lift)

Pump Capacity = 2.064 cubic feet per second

Claim says 2.06 cfs
Sprinkler = 0.33 cfs
Pivot out put = 27.8 cfs

Pump Capacity Calculator
using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 75
Efficiency = 7.04
Lift = 420
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 528$
Head based on psi = 101.6
Total dynamic head = 521.6
(head + lift)

Pump Capacity = 1.012 cubic feet per second

Claim Says 1.01 cfs
Sprinkler = 0.33 cfs
Pivot output = 27.8 cfs



HARN 50392

Pump Capacity Calculator
using Department designed formula:

well 10

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

HARN 51682

Data Entry (fill in underlined blanks)

HP = 150
Efficiency = 7.04
Lift = 415
PSI = 40

Results Calculated

(hp)(efficiency) = 1056
Head based on psi = 101.6
Total dynamic head = 516.6
(head + lift)

Pump Capacity = 2.044 cubic feet per second

Claim Says 2.04 CFS
Sprinkler = 0.33 CFS
Pivot output = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 100
Efficiency = 7.04
Lift = 310
PSI = 40

Results Calculated

(hp)(efficiency) = 704
Head based on psi = 101.6
Total dynamic head = 411.6
(head + lift)

Pump Capacity = 1.710 cubic feet per second

Claim Says 1.71 CFS
Sprinkler = 0.33 CFS
Pivot Output = 27.8 CFS

well 18

HARN 52018

Pump Capacity Calculator
using Department designed formula:

$$(\text{hp})(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

Data Entry (fill in underlined blanks)

HP = 250
Efficiency = 7.04
Lift = 460
PSI = 40

Results Calculated

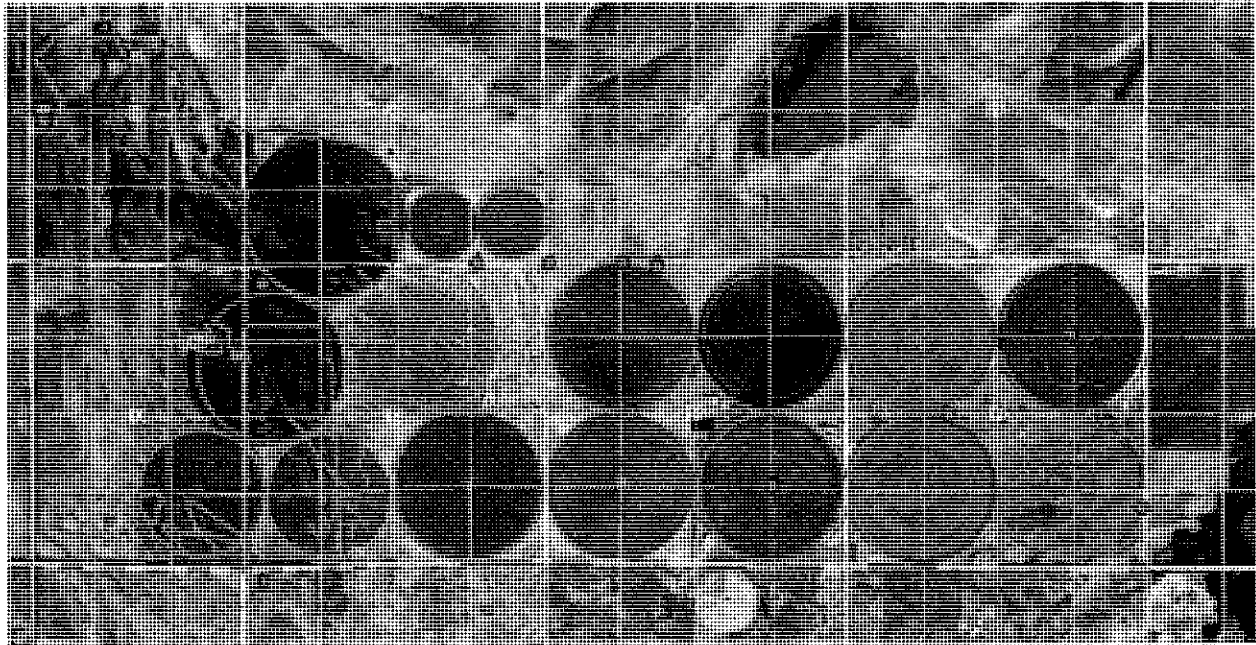
(hp)(efficiency) = 1760
Head based on psi = 101.6
Total dynamic head = 561.6
(head + lift)

Pump Capacity = 3.134 cubic feet per second

Claim says 3.13 CFS
Sprinkler = 0.33 CFS
Pivot Out put = 27.8 CFS



HARN 52481



Tax Lots

Identify Tax Lots [QR Map](#)

Off
 On

County: Harney
 Taxlot: 22532VE00001900
 Owner1: RATTLESNAKE CREEK LAND & CATTLE CO
 Owner2:
 Owner Address: 524 HIGHWAY 20 N, HINES OR 97738-9403
 Site Address: , , OR
 Acres: 1101.7
 TRSQQ: WM22.00532.50E0XXXX
 Effective Date: May 1, 2019

Note: Tax lot information provided here is for general query purposes. It may not be up to date or may not be an official record. Please contact the respective county tax assessor's office for more current and specific information.

It is recommended to zoom to a detailed extent before query

Tax Lots

Identify Tax Lots [QR Map](#)

Off
 On

County: Harney
 Taxlot: 22532VE00002000
 Owner1: RATTLESNAKE CREEK LAND & CATTLE CO
 Owner2:
 Owner Address: 524 HIGHWAY 20 N, HINES OR 97738-9403
 Site Address: , , OR
 Acres: 80
 TRSQQ: WM22.00532.50E0XXXX
 Effective Date: May 1, 2019

Note: Tax lot information provided here is for general query purposes. It may not be up to date or may not be an official record. Please contact the respective county tax assessor's office for more current and specific information.

It is recommended to zoom to a detailed extent before query

Tax Lots

Identify Tax Lots [QR Map](#)

Off
 On

County: Harney
 Taxlot: 22532VE10000300
 Owner1: RATTLESNAKE CREEK LAND & CATTLE CO
 Owner2:
 Owner Address: 524 HIGHWAY 20 N, HINES OR 97738-9403
 Site Address: , , OR
 Acres: 107.9
 TRSQQ: WM22.00532.50E1XXXX
 Effective Date: May 1, 2019

Note: Tax lot information provided here is for general query purposes. It may not be up to date or may not be an official record. Please contact the respective county tax assessor's office for more current and specific information.

It is recommended to zoom to a detailed extent before query

Not included

Tax Lots

Identify Tax Lots [QR Map](#)

Off
 On

County: Harney
 Taxlot: 22532VE000002100
 Owner1: RATTLESNAKE CREEK LAND & CATTLE CO
 Owner2:
 Owner Address: 524 HIGHWAY 20 N, HINES OR 97738-9403
 Site Address: , , OR
 Acres: 80
 TRSQQ: WM22.00532.50E0XXXX
 Effective Date: May 1, 2019

Note: Tax lot information provided here is for general query purposes. It may not be up to date or may not be an official record. Please contact the respective county tax assessor's office for more current and specific information.

It is recommended to zoom to a detailed extent before query.

Tax Lots

Identify Tax Lots [QR Map](#)

Off
 On

County: Harney
 Taxlot: 22532VE00002200
 Owner1: RATTLESNAKE CREEK LAND & CATTLE CO
 Owner2:
 Owner Address: 524 HIGHWAY 20 N, HINES OR 97738-9403
 Site Address: , , OR
 Acres: 945.8
 TRSQQ: WM22.00532.50E0XXXX
 Effective Date: May 1, 2019

Note: Tax lot information provided here is for general query purposes. It may not be up to date or may not be an official record. Please contact the respective county tax assessor's office for more current and specific information.

It is recommended to zoom to a detailed extent before query

Tax Lots

Identify Tax Lots [QR Map](#)

Off
 On

County: Harney
 Taxlot: 22532VE00002400
 Owner1: RATTLESNAKE CREEK LAND & CATTLE CO
 Owner2:
 Owner Address: 524 HIGHWAY 20 N, HINES OR 97738-9403
 Site Address: 71964 COW CREEK RD, BURNS, OR 97720
 Acres: 311.7
 TRSQQ: WM22.00532.50E0XXXX
 Effective Date: May 1, 2019

Note: Tax lot information provided here is for general query purposes. It may not be up to date or may not be an official record. Please contact the respective county tax assessor's office for more current and specific information.

It is recommended to zoom to a detailed extent before query

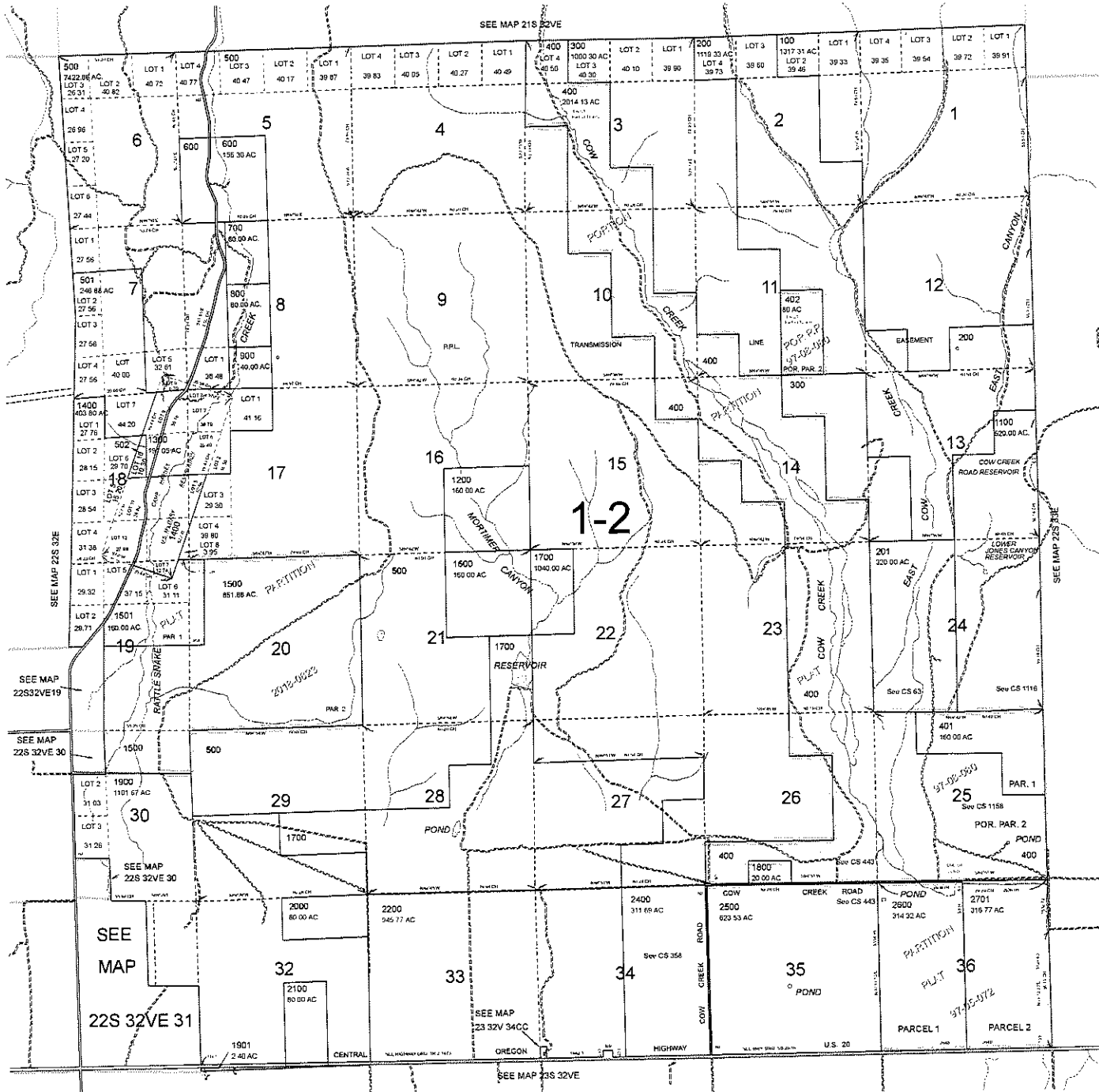
THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

T.22S. R.32 1/2E. W.M.
HARNEY COUNTY

22S32VE

1" = 2000'

Cancelled Nos.
1000
2300
2700



PRINTED ON 7/16/2016

22S32VE

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 16, 2020 5:10:15 pm

Account # 5660
 Map # 22S32V000001900
 Code - Tax # 0120-5660

Tax Status ASSESSABLE
 Acct Status ACTIVE
 Subtype NORMAL

Legal Descr Metes & Bounds - See legal report for full description.

Mailing Name RATTLESNAKE CREEK LAND & CATTLE CO

Deed Reference # See Record

Agent

Sales Date/Price See Record

In Care Of

Appraiser CHARLES DICKINSON

Mailing Address 524 HIGHWAY 20 N
 HINES, OR 97738-9403

Prop Class 551 MA SA NH Unit
 RMV Class 551 02 00 012 2258-1

Situs Address(s)	Situs City
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Code Area		RMV	MAV	Value Summary AV	RMV Exception	CPR %
0120	Land	1,522,740			Land	0
	Impr.	617,580			Impr.	0
Code Area Total		2,140,320	1,039,230	786,271		0
Grand Total		2,140,320	1,039,230	786,271		0

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	Land Breakdown		Size	Land Class	LUC	Trended RMV
						TD%	LS				
0120	3	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	336.00	2	006*	840,000
0120	4	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	540.00	4	006*	540,000
0120	5	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	130.67	4B	006*	91,470
0120	6	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	74.00	6	006*	25,900
0120	7	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	20.00	7A	006*	6,000
0120	8	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	1.00	HS	006*	1,370
0120	10	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	SW	006*	6,000
0120					SITE AMENTIES	100					12,000
Grand Total								1,101.67			1,522,740

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown		Total Sq. Ft.	Ex% MS Acct #	Trended RMV
					TD%				
0120	4		303	GP SHED	100		80		1,610
0120	6		353	GRAIN BIN	100		0		2,000
0120	7		302	CORRAL	100		0		12,500
0120	3		304	GP BUILDING	100		960		6,270
0120	12		337	HAY COVER	100		1,728		12,010
0120	8	1995	303	GP SHED	100		407		27,250
0120	15	2010	337	HAY COVER	100		7,200		67,140
0120	1		334	HOBBY STABLES	100		3,000		43,460
0120	10	1999	311	MAINLINE 8"	100		6,660		68,160
0120	2		310	MACHINE SHED	100		2,240		13,990
0120	11	2001	310	MACHINE SHED	100		6,500		71,180
0120	9	1990	307	UTILITY BUILDING	100		4,281		99,530
0120	14	2010	310	MACHINE SHED	100		21,600		192,480
Grand Total							54,656		617,580

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 16, 2020 5:09:39 pm

Account # 6205
 Map # 22S32V000002100
 Code - Tax # 0120-6205

Tax Status ASSESSABLE
 Acct Status ACTIVE
 Subtype NORMAL

Legal Descr Metes & Bounds - See legal report for full description.

Mailing Name RATTLESNAKE CREEK LAND & CATTLE CO

Deed Reference # See Record

Agent

Sales Date/Price See Record

In Care Of

Appraiser CHARLES DICKINSON

Mailing Address 524 HIGHWAY 20 N
 HINES, OR 97738-9403

Prop Class 551 MA SA NH Unit
 RMV Class 551 02 00 012 2702-1

Situs Address(s)	Situs City
------------------	------------

Code Area		RMV	MAV	Value Summary AV	RMV Exception	CPR %
0120	Land	141,350			Land	0
	Impr.	0			Impr.	0
Code Area Total		141,350	35,470	33,943		0
Grand Total		141,350	35,470	33,943		0

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	Land Breakdown			LUC	Trended RMV	
						TD%	LS	Size			
0120	1	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	63.00	2	006*	126,000
0120	2	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	17.00	5	006*	9,350
0120	3	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
Grand Total								80.00			141,350

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown		Total Sq. Ft.	Ex% MS Acct #	Trended RMV	
					TD%					
Grand Total									0	0

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020
NOT OFFICIAL VALUE

March 16, 2020 5:09:02 pm

Account # 5665	Tax Status ASSESSABLE
Map # 22S32V000002200	Acct Status ACTIVE
Code - Tax # 0120-5665	Subtype NORMAL
Legal Descr Metes & Bounds - See legal report for full description.	
Mailing Name RATTLESNAKE CREEK LAND & CATTLE CO	Deed Reference # See Record
Agent	Sales Date/Price See Record
In Care Of	Appraiser CHARLES DICKINSON
Mailing Address 524 HIGHWAY 20 N HINES, OR 97738-9403	

Prop Class 551	MA	SA	NH	Unit
RMV Class 551	02	00	012	2263-1

Situs Address(s)	Situs City
------------------	------------

		Value Summary				
Code Area		RMV	MAV	AV	RMV Exception	CPR %
0120	Land	2,018,670			Land	0
	Impr.	257,210			Impr.	0
Code Area Total		2,275,880	702,670	545,132		0
Grand Total		2,275,880	702,670	545,132		0

		Land Breakdown									
Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	TD%	LS	Size	Land Class	LUC	Trended RMV
0120	1	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	750.00	2	006*	1,875,000
0120	2	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	195.77	5	006*	107,670
0120	3	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0120	4	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0120	5	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0120	6	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0120	7	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0120	8	<input type="checkbox"/>		EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
Grand Total								945.77			2,018,670

		Improvement Breakdown							Trended RMV
Code Area	Yr Built	Stat Class	Description	TD%	Total Sq. Ft.	Ex%	MS Acct #		
0120	1	311	MAINLINE 8"	100	5,280			45,300	
0120	2	337	HAY COVER	100	6,048			46,710	
0120	3	337	HAY COVER	100	6,624			50,150	
0120	4	2010 337	HAY COVER	100	6,624			56,650	
0120	5	2013 337	HAY COVER	100	6,624			58,400	
Grand Total					31,200			257,210	

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 16, 2020 5:08:20 pm

Account # 5667
 Map # 22S32V000002400
 Code - Tax # 0120-5667

Tax Status ASSESSABLE
 Acct Status ACTIVE
 Subtype NORMAL

Legal Descr Metes & Bounds - See legal report for full description.

Mailing Name RATTLESNAKE CREEK LAND & CATTLE CO

Deed Reference # See Record

Agent

Sales Date/Price See Record

In Care Of

Appraiser CHARLES DICKINSON

Mailing Address 524 HIGHWAY 20 N
 HINES, OR 97738-9403

Prop Class 559 MA SA NH Unit
 RMV Class 559 02 00 012 2265-1

Situs Address(s)	Situs City
ID# 71964 COW CREEK RD	BURNS

Value Summary					
Code Area	RMV	MAV	AV	RMV Exception	CPR %
0120 Land	678,500			Land	0
Impr.	98,740			Impr.	0
Code Area Total	777,240	323,700	208,111		0
Grand Total	777,240	323,700	208,111		0

Land Breakdown											
Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	TD%	LS	Size	Land Class	LUC	Trended RMV
0120	3		<input type="checkbox"/>	EFRU-1	Farm Use Zoned	100	A	250.00	2	006*	625,000
0120	4		<input type="checkbox"/>	EFRU-1	Farm Use Zoned	100	A	60.69	5	006*	33,380
0120	6		<input type="checkbox"/>	EFRU-1	Farm Use Zoned	100	A	1.00	HS	006*	2,120
0120	8		<input type="checkbox"/>	EFRU-1	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0120					SITE AMENTIES	100					12,000
Grand Total								311.69			678,500

Improvement Breakdown									
Code Area	ID#	Yr Built	Stat Class	Description	TD%	Total Sq. Ft.	Ex%	MS Acct #	Trended RMV
0120	4		110	Residential Other Improvements	100	0			480
0120	3		110	Residential Other Improvements	100	0			5,510
0120	3		311	MAINLINE 8"	100	2,640			31,420
0120	1	2014	337	HAY COVER	100	6,624			61,330
Grand Total						9,264			98,740

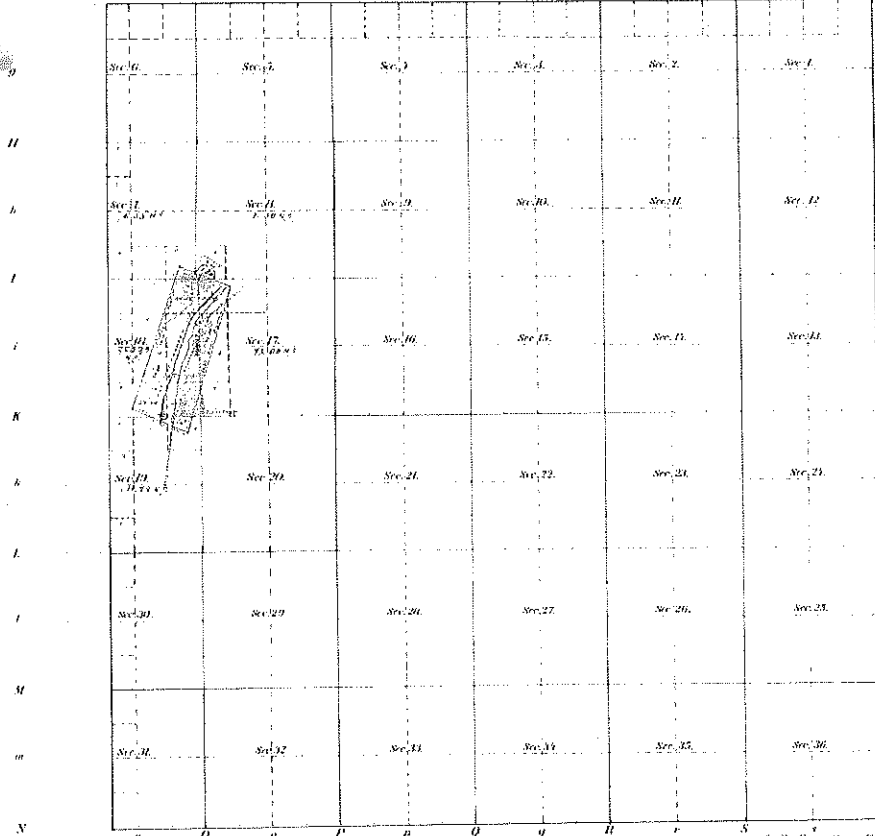
MS Account(s): 0120-P-76339

reset pan blowup reduce enlarge print

Township N° 22 South Range N° 32½ East Willamette Meridian Oregon

u c f e E d D e C b B a J

4136



Boundaries of

Sec. 16	Sec. 17	Sec. 18	Sec. 19	Sec. 20	Sec. 21
Sec. 22	Sec. 23	Sec. 24	Sec. 25	Sec. 26	Sec. 27
Sec. 28	Sec. 29	Sec. 30	Sec. 31	Sec. 32	Sec. 33
Sec. 34	Sec. 35	Sec. 36	Sec. 37	Sec. 38	Sec. 39
Sec. 40	Sec. 41	Sec. 42	Sec. 43	Sec. 44	Sec. 45
Sec. 46	Sec. 47	Sec. 48	Sec. 49	Sec. 50	Sec. 51
Sec. 52	Sec. 53	Sec. 54	Sec. 55	Sec. 56	Sec. 57
Sec. 58	Sec. 59	Sec. 60	Sec. 61	Sec. 62	Sec. 63
Sec. 64	Sec. 65	Sec. 66	Sec. 67	Sec. 68	Sec. 69
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Sec. 94	Sec. 95	Sec. 96	Sec. 97	Sec. 98	Sec. 99
Sec. 100	Sec. 101	Sec. 102	Sec. 103	Sec. 104	Sec. 105
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Sec. 112	Sec. 113	Sec. 114	Sec. 115	Sec. 116	Sec. 117
Sec. 118	Sec. 119	Sec. 120	Sec. 121	Sec. 122	Sec. 123
Sec. 124	Sec. 125	Sec. 126	Sec. 127	Sec. 128	Sec. 129
Sec. 130	Sec. 131	Sec. 132	Sec. 133	Sec. 134	Sec. 135
Sec. 136	Sec. 137	Sec. 138	Sec. 139	Sec. 140	Sec. 141
Sec. 142	Sec. 143	Sec. 144	Sec. 145	Sec. 146	Sec. 147
Sec. 148	Sec. 149	Sec. 150	Sec. 151	Sec. 152	Sec. 153
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Sec. 166	Sec. 167	Sec. 168	Sec. 169	Sec. 170	Sec. 171
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Sec. 286	Sec. 287	Sec. 288	Sec. 289	Sec. 290	Sec. 291
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Sec. 562	Sec. 563	Sec. 564	Sec. 565	Sec. 566	Sec. 567
Sec. 568	Sec. 569	Sec. 570	Sec. 571	Sec. 572	Sec. 573
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Sec. 616	Sec. 617	Sec. 618	Sec. 619	Sec. 620	Sec. 621
Sec. 622	Sec. 623	Sec. 624	Sec. 625	Sec. 626	Sec. 627
Sec. 628	Sec. 629	Sec. 630	Sec. 631	Sec. 632	Sec. 633
Sec. 634	Sec. 635	Sec. 636	Sec. 637	Sec. 638	Sec. 639
Sec. 640	Sec. 641	Sec. 642	Sec. 643	Sec. 644	Sec. 645

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<i>Sec. 30.</i>	<i>Sec. 29.</i>	<i>Sec. 28.</i>	<i>Sec. 27.</i>	<i>Sec. 26.</i>	<i>Sec. 25.</i>	a
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<i>Sec. 31.</i>	<i>Sec. 32.</i>	<i>Sec. 33.</i>	<i>Sec. 34.</i>	<i>Sec. 35.</i>	<i>Sec. 36.</i>	b
						V''

True Meridians.

Well 1

Well Test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 1879	Pump	500.0	240.0	8.0	2.08

Well ID	(blank)
Well Description	(blank)
Measured Water Level	(blank)

Records Page: 11 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/7/2012		44.59	4094.41	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.41
3/22/2011		39.42	4099.58	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.91
4/13/1991		14.00	4125.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 2

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 1912	Pump	2000.0	100.0	36.0	20.00

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page:

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/7/2012		43.09	4094.91	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.16
3/22/2011		47.17	4090.83	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.08
3/27/2006		18.30	4119.70	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.10
11/14/1991		20.00	4118.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 3

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional
HARN 50457	Quaternary-Late Tertiary sediment Aq	Quaternary-Late Tertiary sediment Aq	Quaternary-Late Tertiary Sediment Aquifers	

Well Test

No data matches search criteria.

Well Log	Click to expand
Well Construction	Click to expand
Measured Water Level	Click to show

Records Page: 1 of 1

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/7/2012		41.59	4090.41	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.41
3/22/2011		43.67	4088.33	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.33
7/28/1995		30.00	4102.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 4

Well test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 50241	Bailer	100.0	2.0	1.0	50.00

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page:

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/7/2012		40.84	4093.99	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.16
3/22/2011		44.41	4090.42	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.00
12/3/1997		25.00	4109.83	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 5

Well Log	Test Type	Yield (gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 50668	Pump	500.0	160.0	10.0	3.13

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page:

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/7/2012		37.50	4096.50	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.66
3/22/2011		39.17	4094.83	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.66
3/14/2008		27.20	4106.80	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.00
3/5/2007		29.10	4104.90	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.60
3/28/1991		28.00	4106.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 6

well test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 50422	Pump	500.0	185.0	1.0	2.70

Well ID	Well Name	Well Type	Well Depth (ft)	Well Diameter (in)	Well Construction	Well Completion	Well Status
HARN 50422							

Records Page 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/14/2019		57.45	4076.38	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.65
3/1/2018		54.60	4081.23	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.65
3/22/2017		58.85	4076.98	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.65
3/17/2016		56.02	4079.81	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.65
3/26/2015		52.60	4083.23	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.65
3/26/2014		45.65	4090.18	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.65
3/26/2013		42.20	4093.63	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.65
3/7/2012		42.50	4093.33	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.00
3/2/2010		41.60	4094.23	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.00
3/19/2009		38.40	4097.43	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.00
3/14/2008		27.20	4108.63	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.00
3/5/2007		29.10	4106.73	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.60
3/5/2007		29.10	4106.73	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.60
3/5/2007		34.00	4101.83	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.10
3/27/2006		18.30	4117.53	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.10
4/30/1999		18.00	4117.83	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 8

Well Test

Well Log	Test Type	Yield (gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 50362	Pump	3600.0	77.0	1.0	46.75

Well ID	Well Name	Well Type	Well Depth (ft)	Well Diameter (in)	Well Completion
Well ID	Well Name	Well Type	Well Depth (ft)	Well Diameter (in)	Well Completion
Well ID	Well Name	Well Type	Well Depth (ft)	Well Diameter (in)	Well Completion

Records Page: Find

Measured Water Level

Date	Time	Water Level (BLSD)	Wl Elev (ft AMSL)	Organization	OWBD	Method	Status	MP Height
3/14/2019		72.15	4057.40	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.00
3/1/2018		73.65	4055.90	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.95
3/22/2017		71.47	4058.08	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.95
3/17/2016		71.18	4058.37	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.95
3/25/2015		150.95	3978.60	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	PUMPING	1.00
3/26/2014		54.67	4074.88	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.00
3/26/2013		50.74	4076.81	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.00
3/2/2010		42.70	4086.85	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.80
3/14/2008		27.20	4102.35	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.10
3/5/2007		34.00	4095.55	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.10
10/19/1998		43.00	4086.55	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 18

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
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HARN 52018

Well Test

No data matches search criteria.

Library	4083.12
Well Construction	4083.12
Relevant Water Levels	4083.12

#records: 11

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/26/2014		52.30	4083.12	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.50

Well 22

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
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HARN 52481

Well Test

No data matches search criteria.

Well ID	Well Name
Well Construction	Well Depth
Measured Water Level	Well Status

Records Page 23 of 23

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/28/2016		61.00	4068.92	DRILLER	WELL LOG	REPORTED	UNKNOWN	



Oregon

Kate Brown, Governor

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.Oregon.gov/OWRD

October 8, 2018

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

REFERENCE: Permit Amendment Application T-12267

Enclosed is a copy of the order approving your Permit Amendment application.

Also enclosed is a superseding permit that incorporates the amendments approved by the final order contained herein. Please read this document and abide by the requirements.

If you have any questions related to the approval of this permit amendment, you may contact your caseworker, Joan Smith, by telephone at (503) 986-0892 or by e-mail at Joan.M.Smith@oregon.gov.

Sincerely,

Stacy H. Phillips
Water Rights Services Support
Transfers and Conservation Section

cc: J R. Johnson, Watermaster Dist. # 10 (via email)
Scott D. Montgomery, Agent
Harney County

Enclosure



Mailing List for Extension FO Copies

FO Date: March 28, 2014

Copies Mailed

**Application G-14678
Permit G-13539**

By: BW
On: 3/28/14

Original mailed to permit holder

Andy Root
HC 73, 174 Harney Road
Burns, OR 97720

Copies sent to:

1. WRD - App. File G-14678/ Permit G-13539

Fee paid as specified under ORS 536.050 to receive copy:

2. None

Receiving notification via e-mail - FO available in WRIS for review
(DONE BY EXTENSION SPECIALIST)

3. WRD - Watermaster District 10, Tony Rutherford *Vacant*
**NOTE: Send to Tony Justus only, if denied. Other WMs do not require notifications (7/2013), unless otherwise requested.*

4. WRD - ER Regional Manager, Jason Spriet *✓ swp 3-27-14*
**NOTE: Send FO's Region Managers ONLY if denied.*

5. Margaret Ritches, commented on application public notice, highdeserthair@hotmail.com *✓ 4-1-14*

6. Thad Hillman, commented on application public notice, twhillman@live.com *✓ 4-1-14 swp*

CASEWORKER: SWP

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

WELL I.D. # L 72705
START CARD # 169133

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER Andy Roof Well Number _____
Name Andy Roof
Address P.O. Box 946
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other _____

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other _____

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 160
Explosives used Yes No Type _____ Amount _____

HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds	
18	0	48	Donut			10	
			+ Cement	0	48	3 yds	
14	+2	260	-				

How was seal placed: Method A B C D E
 Other Mix + Trim

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14	+2	58	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min 400 Drawdown _____ Drill stem at _____ Time 2 hr.

Temperature of water 68 Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Silty Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22 S N or S Range 33 E E or W. WM.
Section 30 NW 1/4 SW 1/4
Tax Lot 300 Lot 8 Block _____ Subdivision _____
Street Address of Well (or nearest address) 3 Miles N on Cow Creek Rd

(10) STATIC WATER LEVEL:
16 ft. below land surface. Date 6-1-08
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 97'

From	To	Estimated Flow Rate	SWL
97	248	400	16

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
Top Soil + Clay	0	12	-
Gravel	12	39	-
Green Clay	39	97	-
Stone			
White Pumice			
Red Vesicular			
Basalt Shale	97	248	16
Brown + Yellow			
Clay Stone			
(w/5)			
Green + Blue			
Clay Stone	248	260	16

Date started 5-25-06 Completed 6-1-06

(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 the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1521
Signed Donald H. Reed Date 6-7-06

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DEC 15 1997

harm
50241

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.705)

WATER RESOURCES DEPT. WELL I.D.# L 116814
SALEM, OREGON START CARD # 098474

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name Andy Root
Address PO Box 3
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 450 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
18	0	19	bentonite	0	18	20 sacks

How was seal placed: Method A B C D E
 Other poured dry and tamped
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 1 1/4	+1	120	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tele/type size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min 100 Drawdown 2 Drill stem at _____ Time 1 hr.
Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? No Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM
Section 34 NE 1/4 SW 1/4
Tax Lot 2200 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hwy 20 W

(10) STATIC WATER LEVEL:
25 ft. below land surface. Date 12-3-97
Arterian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 160

From	To	Estimated Flow Rate	SWL
160	410	1000	25

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
sandy loam topsoil	0	1	
clay sand coarse	1	7	
clay brn hard	7	20	
clay brn soft	20	32	
clay grey	32	70	
clay green gravel fine	70	160	
pumice clay brn	160	175	
clay green	175	220	
conglomerate brn	220	243	
clay pink	243	250	
conglomerate brn	250	275	
pumice hard	275	289	
sandstone brn	289	360	
rock brn	360	378	
green conglomerate	378	410	
clay green pumice	410	430	
clay green	430	450	

Date started 11-25-97 Completed 12-3-97
(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 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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1424 Date 12-5-97
Signed Timothy K. Risher

OWWRD

WATER WELL REPORT
STATE OF OREGON

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FEB - 2 1998

State Well No. 201 3412/39
State Permit No. 0

WATER RESOURCES DEPT.
SALEM, OREGON

1) OWNER:

Name AMY ROOT
Address HC 77, 174 Harney Rd.
City Evans State OR 97120

2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
Rotary Mud Dug
Cable Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other
Thermal: Withdrawal Rejection

(5) CASING INSTALLED:

Steel Plastic
Threaded Welded
12" Diam. from + ft. to 159 ft. Gauge 250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? Yes No

Type of perforator used

Size of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name Model No.
Type
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? OWNER
800 gal./min. with 160 ft. drawdown after 10 hrs.
Air test gal./min. with drill stem at ft. hrs.
Ballor test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes No

Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 15 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 34 sacks
How was cement grout placed? Grout Pumped to top of screen with Grout Pipe
Was pump installed? Yes Type Turbine HP 75 Depth 140 ft.
Was a drive shoe used? Yes No Plugs None Size: location ft.
Did any strata contain unusable water? Yes No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Harney Driller's well number
N-W 1/4 SE 1/4 Section 34 T. 225R R. 32 1/2 E W.M.
Tax Lot # 24-00 Blk Subdivision
Address at well location: Cow Cr Road
3/4 mile North of Hwy 20

(11) WATER LEVEL: Completed well.

Depth at which water was first found 28 ft.
Static level 28 ft. below land surface. Date 3-28 91
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 12"

Depth drilled 750 ft. Depth of completed well 750 ft.
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 in formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Gray Clay	2	46	29
Sand Stone	46	154	
Green Clay	154	491	
Brown Clay	491	537	
Green Clay	537	691	
Blue Clay	691	736	
Small GRAVEL with sand	736	750	
Green Clay	750		

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OCT 15 2008
OWRD

Work started 2-20 19 91 Completed 3-28 19 91
Date well drilling machine moved off of well 3-29 19 91

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.

[Signed] Date 19.....
(Drilling Machine Operator)

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 Lamy Root (Type or print)
(Person, firm or corporation)

Address
[Signed] Lamy Root (Water Well Contractor)

Contractor's License No. 1991 Date 3-28 19 91

NOTICE TO WATER WELL CONTRACTOR

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310

SP-12658-889

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50422

MAY 14 1999

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D.# L 128438
START CARD # 114670

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name Andy Root
Address PO Box 946
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 400
Explosives used Yes No Type _____ Amount _____

HOLE SEAL

Diameter	From	To	Material	From	To	Sacks or pounds
18	0	18	cement	0	18	1 1/2 yards
12	18	400				

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12	+1	80	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
500	165	185	6.1 hr.

Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM.
Section 34 NW 1/4 NE 1/4
Tax Lot 2400 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Cow Creek Rd

(10) STATIC WATER LEVEL:
18 ft. below land surface. Date 4-30-99
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 35

From	To	Estimated Flow Rate	SWL
112	298	400	18
303	330	100	18

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
topsoil	0	2	
clay loam	2	30	
clay brn	30	35	
clay grey	35	41	18
sand clay (caving)	41	53	
clay grey	53	70	18
sand (caving)	70	112	
clay green	112	298	18
conglomerate brn	298	303	
clay grey	303	330	18
pumice grey	330	400	18
clay green	400		

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OCT 15 2018
OWRD

Date started 4-20-99 Completed 4-30-99

(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 the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1424
Signed Kimberly K. Ritz Date 5-11-99

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STATE OF OREGON WATER SUPPLY WELL REPORT APR 19 2004 (as required by ORS 517 763)

WELL I.D. # L 51625 START CARD # W 129278

Instructions for completing this report WATER RESOURCES DEPT.

(1) LAND OWNER SALEM, OREGON Name Andy Roof Address P.O. Box 3 City Burns State OR Zip 97720

(2) TYPE OF WORK [X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD: [X] Rotary Air [] Rotary Mud [] Cable [] Auger [] Other

(4) PROPOSED USE: [] Domestic [] Community [] Industrial [X] Irrigation [] Thermal [] Injection [] Livestock [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [] Yes [X] No Depth of Completed Well 400 ft. Explosives used [] Yes [X] No Type Amount

Table with columns: HOLE Diameter, SEAL Material, Sacks or pounds. Row 1: 18, 0, 30, Cement, 48, 30, 4 yds. Row 2: 14, 30, 400, -

How was seal placed: Method [] A [] B [X] C [] D [] E [] Other

Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 14, 72, 78, 250, [], [X], []

Drive Shoe used [] Inside [] Outside [] None Final location of shoe(s)

(7) PERFORATIONS/SCREENS: [] Perforations Method [] Screens Type Material

Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. Includes a diagonal line through the table.

(8) WELL TESTS: Minimum testing time is 1 hour [] Pump [] Bailor [X] Air [] Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Row 1: 500, 300, 400, 1 hr

Temperature of water 68 Depth Artesian Flow Found Was a water analysis done? [X] Yes By whom Did any strata contain water not suitable for intended use? [X] Yes Other: [] Salty [] Muddy [] Odor [] Colored [] Other Depth of strata

(9) LOCATION OF WELL by legal description: County Harney Latitude Longitude Township 22 S N or S Range 32 1/2 E or W WM Section 32 NE 1/4 NE 1/4 Tax Lot 2000 Lot Block Subdivision Street Address of Well (or nearest address) Hwy 29 E Burns, OR 97720

(10) STATIC WATER LEVEL: 100 ft below land surface Date 7-1-02 Artesian pressure lb. per square inch Date

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Row 1: 330, 370, 500 +, 100

(12) WELL LOG: Ground Elevation

Table with columns: Material, From, To, SWL. Rows include: Top Soil (0-7), Grey Clay (7-17), Sand (17-26), Brown Green, Grey + Blue, Clay Stone (26-330), Dark Grey (330-390), Clay w. Lenticles + Voids (WB), Blue Clay (390-400)

Date started 6-28-02 Completed 7-1-02

(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 the best of my knowledge and belief. WWC Number Date

(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 standards. This report is true to the best of my knowledge and belief. Signed Donald D. Lead WWC Number 1521 Date 7-1-02

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

HARN 52018

2/4/2014

WELL I.D. LABEL# L113433
START CARD # 1022046
ORIGINAL LOG #

(1) LAND OWNER Owner Well I.D. MORTIMER #1
First Name ANDY Last Name ROOT
Company ACW
Address 524 N HWY 20
City HINES State OR Zip 97738

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (complete 2a & 16) Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stil Plstc Wld Thrd
Casing:
Material From To Amt sacks/lbs
Seal:

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
Depth of Completed Well 335.00 ft.

BORE HOLE

Dia	From	To	Material	SEAL	From	To	Amt	sacks/ lbs
18	0	18	Bentonite Chips	0	18	35	S	
14	18	335						

How was seal placed: Method A B C D E
 Other POURED & TAMPED
Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
Explosives used: Yes Type _____ Amount _____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount _____ Actual Amount _____

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stil Plstc Wld Thrd
 14 1 105 250
Shoe Inside Outside Other Location of shoe(s) _____
Temp casing Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type _____ Material _____

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scm/slot width	Slot length	# of slots	Tele/ pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer An Flowing Artesian
Yield gal/min Drawdown Drift per Pump test Duration min
1000 _____ 330 _____ 1 _____
Temperature 60 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS amount
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County HARNEY Twp 22.00 S N/S Range 32.50 E E/W WM
Sec 33 NE 1/4 of the NW 1/4 Tax Lot 2200
Tax Map Number _____ Lot _____
Lat _____ or _____ DMS or DD
Long _____ or _____ DMS or DD
 Street address of well Nearest address
72163 RATTLESNAKE RD
BURNS, OREGON

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 1/27/2014 _____ 62
Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 62.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
1/27/2014	62	335	1000		62

(11) WELL LOG Ground Elevation _____

Material	From	To
Clay loom topsoil	0	2
Clay Brown	2	10
Clay Grey	10	35
Course Sand/small gravel	35	62
clay Green w/ Small gravel	62	78
Claystone Green	78	165
Claystone Green w/pumice grey	165	195
Pumice	195	265
Claystone Green	265	295
Claystone Green Broken	295	300
Claystone Brown w/black sandstone fractu	300	320
Claystone Grey Hard	320	335

Date Started 1/22/2014 Complete 1/27/2014
(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, 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 and belief
License Number _____ Date _____
Signed _____

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, 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 standards. This report is true to the best of my knowledge and belief.
License Number 1424 Date 2/4/2014
Signed TIMOTHY K RILEY (E-filed)
Contact Info (optional) Tim Riley 541-573-5695

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

3/28/2016

WELL I.D. LABEL# L 120015
START CARD # 1029904
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name ANDY Last Name ROOT
Company
Address 524 N HWY 20
City HINES State OR Zip 97738

(2) TYPE OF WORK
[X] New Well [] Deepening [] Conversion
[] Alteration (complete 2a & 10) [] Abandonment (complete 5a)

(2a) PRE-ALTERATION
Dia + From To Gauge Stil Plstc Wld Thrd
Casing:
Material From To Amt sacks/lbs
Seal:

(3) DRILL METHOD
[X] Rotary Air [X] Rotary Mud [] Cable [] Auger [] Cable Mud
[] Reverse Rotary [] Other

(4) PROPOSED USE
[] Domestic [X] Irrigation [] Community
[] Industrial/ Commercial [] Livestock [] Dewatering
[] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION
Special Standard (Attach copy)
Depth of Completed Well 450.00 ft.
BORE HOLE SEAL sacks/lbs
Dia From To Material From To Amt S

How was seal placed: Method [] A [] B [X] C [] D [] E
Backfill placed from 65 ft. to 67 ft. Material CEMENTING BASK
Filter pack from ft. to ft. Material Size
Explosives used: [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount Actual Amount

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stil Plstc Wld Thrd
Shoe [] Inside [] Outside [] Other Location of shoe(s)
Temp casing [] Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material
Perf/ Casing/ Screen Scrn/slot Slot # of Tel/
Screen Liner Dia From To width length slots pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
[] Pump [] Bailor [X] Air [] Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

Temperature 72 °F Lab analysis [] Yes By
Water quality concerns? [] Yes (describe below) TDS amount
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County HARNEY Twp 22.00 S N/S Range 32.50 E E/W WM
Sec 29 NE 1/4 of the SE 1/4 Tax Lot 1900
Tax Map Number Lot
Lat or DMS or DD
Long or DMS or DD
[] Street address of well [] Nearest address
72163 RATTLESNAKE RD BURNS OR 97720

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(R)
Existing Well / Pre-Alteration
Completed Well 3/28/2016 61
Flowing Artesian? [] Dry Hole? []

Table with 6 columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft). Rows include data for 3/21/2016 and 3/28/2016.

(11) WELL LOG
Material Ground Elevation From To
sandy soil 0 2
tan clay 2 8
sandy brown clay 8 17
sand and grey clay 17 50
fractured green grey claystone 50 450

Date Started 3/14/2016 Completed 3/28/2016

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, 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 and belief
License Number 1739 Date 3/28/2016
Signed CHARLES M FRY (E-filed)

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, 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 standards. This report is true to the best of my knowledge and belief
License Number 1355 Date 3/28/2016
Signed ARTHUR L FRY (E-filed)
Contact info (optional)

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Harn
50362

STATE OF OREGON
WATER SUPPLY WELL REPORT NOV 23 1998
(as required by ORS 537.765)

WELL I.D.# L 21297
START CARD # 114679

Instructions for completing this report are on the reverse side of this form. WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER: Well Number _____
Name Andy Root
Address PO Box 3
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 405 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Sacks or pounds	
Diameter	From To	Material	From To		
16	+1 150	cement	0 37	8	yards
14	150 405				

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 16	+1	80	2.50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing
Yield gal/min 3600 Drawdown 77 Drill stem at 120 Time 1 hr.
Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM.
Section 32 NE 1/4 NE 1/4
Tax Lot 2000 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hwy 20 E

(10) STATIC WATER LEVEL:
43 ft. below land surface. Date 10-19-98
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 32

From	To	Estimated Flow Rate	SWL
32	65	100	32
185	405	3600	43

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay loom topsoil	0	1	
clay brn	1	20	
sand clay brn	20	32	
clay grey	32	60	32
clay grey (caving)	60	65	32
clay grey	65	105	
clay green	105	185	
claystone green	185	190	43
clay green	190	196	
pumice/sand	196	215	43
clay green	215	226	
pumice grey	226	237	
clay green	237	244	
claystone green	244	250	43
pumice grey	250	262	43
clay green/claystone	262	276	43
clay green sticky	276	292	
claystone green	292	314	43
sandstone red no cuttings	314	365	43
sandstone clay red	365	405	43

Date started 9-25-98 Completed 10-19-98
(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 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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1424
Signed Timothy K. Riley Date 11-18-98

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OCT 15 2018
OWRD

HARN
50392

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FEB 26 1999

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D. # L 28434
START CARD # 114685

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name Andy Root
Address PO Box 3
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 42.5 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
18	0	18	cement	0	18	20 sacks
14	18	42.5				

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing/Liner	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Casing:	14	+1	78	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

(7) PERFORATIONS/SCREENS:

From		To		Slot size	Number	Diameter	Material	Tele./pipe size	Casing	Liner
<input type="checkbox"/>	Perforations	Method _____								
<input type="checkbox"/>	Screens	Type _____								

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailer	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
750	180	200	1 hr.

Temperature of water 55 Depth Artesian Flow Found _____
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM.
Section 34 SE 1/4 SE 1/4
Tax Lot 2400 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Cow Creek Rd

(10) STATIC WATER LEVEL:
_____ ft. below land surface. Date 2-20-99
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 30

From	To	Estimated Flow Rate	SWL
30	55	50	18
90	405	750	20

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
topsoil clay loam	0	1	
clay brn	1	4	
sand med	4	10	
clay brn	10	22	
clay blk	22	30	
sand/clay, blk	30	38	18
clay grey	38	44	18
sand med	44	55	18
clay grey	55	72	18
clay green	72	90	18
claystone green soft	90	150	20
clay grey	150	170	20
clay, green/claystone	170	285	20
pumice grey	285	300	20
conglomerate brn	300	365	20
broken rock /clay	365	405	20
clay brn (sticky)	405	425	20

Date started 2-4-99 Completed 2-20-99

(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 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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1424 Date 2-23-99
Signed Timothy K. Riley

WATER WELL REPORT
STATE OF OREGON

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50668

State Well No. 20/3412/39

FEB - 2 1998

State Permit No. 0

WATER RESOURCES DEPT.
SALEM, OREGON

1) OWNER:

Name AMY ROOT
Address HC 73, 174 Harney, RI
City WAINES State OR 97720

2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
Rotary Mud Dug
Cable Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other
Thermal: Withdrawal Rejection

(5) CASING INSTALLED:

Steel Plastic
Threaded Welded
1 1/2" Diam. from +1 ft. to 159 ft. Gauge 250

(6) LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(8) PERFORATIONS:

Perforated? Yes No
Type of perforator used
Size of perforations in by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No
Manufacturer's Name Model No.
Type
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? OWNER
800 gal./min. with 160 ft. drawdown after 10 hrs.
Air test gal./min. with drill stem at ft. hrs.
Baller test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
nature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—Material used CEMENT
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 19 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 34 sacks
How was cement grout placed? Grout Pumped to Top of Borehole with Grout Pipe
Was pump installed? Yes Type Turbine HP 75 Depth 140 ft.
Was a drive shoe used? Yes No Plugs Yes Size: location ft.
Did any strata contain unusable water? Yes No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? Yes No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Harney Driller's well number
N-W 1/4 5E 1/4 Section 34 T. 22 S. R. 32 E W.M.
Tax Lot # 24-00 Block Subdivision
Address at well location: Cow G Road
3/4 mile North of Hwy 20

(11) WATER LEVEL: Completed well.

Depth at which water was first found 28 ft.
Static level 28 ft. below land surface. Date 3-28-91
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 1 1/2"
Depth drilled 750 ft. Depth of completed well 750 ft.
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
Top Soil	0	2	
Gray Clay	2	46	29
Sand Stone	46	154	
Green Clay	154	491	
Brown Clay	491	537	
Green Clay	537	691	
Blue Clay	691	736	
Small Gravel with Sand	736	742	29
Green Clay	742	150	29

Work started 2-20 19 91 Completed 3-28 19 91
Date well drilling machine moved off of well 3-29 19 91

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.
[Signed] Date, 19.....
(Drilling Machine Operator)

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 AMY ROOT (Type or print)
(Person, firm or corporation)

Address
[Signed] Amy Root (Water Well Contractor)
Contractor's License No. 791 Date 3-28, 19 91

NOTICE TO WATER WELL CONTRACTOR

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310

SP-12658-820

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OCT 15 2018

OWRD



Oregon
Kate Brown, Governor

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

October 18, 2018

Andy Root
524 Hwy 20 N
Hines, OR 97738

On October 15, 2018 the Water Resources Department received the Claims of Beneficial Use (COBU) for the following file(s):

Application G-14678 Permit G-18090
Application G-14888 Permit G-18091

The COBUs included reports and a map. The Department hopes to review your submittal within approximately 2 - 4 years. At that time we will review these items and provide final certificates, proposed certificates, or a request for additional information.

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

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/Certificate.aspx>

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
Scott Montgomery, CWRE



Oregon

John A. Kitzhaber, MD, Governor

G-14678

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 2, 2014

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

Reference: Application T- 11803

On April 29, 2014, we received your water right Transfer application. The application was accompanied by \$1800.00. Our receipt number 111896 is enclosed.

By copy of this letter, we are asking the Watermaster for a report regarding the potential for injury to existing water rights which may be caused by the requested change.

Your application will be examined to determine whether additional information is needed. We will notify you if further information or corrections to the application or map are required.

Except as provided under ORS 540.510(3) for municipalities, you may not *temporarily* use water from the new point of appropriation until a final order approving the temporary transfer application has been issued by the Department. Additionally, pursuant to OAR 690-380-8010, the lands from which an irrigation water right is to be temporarily transferred and the land to which the right is to be temporarily transferred may not both receive water during the same season. If the temporary transfer is approved during an irrigation season and water has already been used at the currently authorized location during that season, then the temporary transfer will not take effect until the following season.

If the land is sold before the temporary transfer is approved, the buyer's consent to the temporary transfer will be required unless a recorded deed or other legal document clearly established that the water right was not conveyed in the sale.

If you have any questions, please contact the Transfer Section at (503)986-0807.

Cc: Watermaster Dist. #10 (via email)
Scott D. Montgomery, Agent
Irrigation Districts

Enclosure





Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

**Notice of Application for
Water Right Transfer, Temporary Transfer, or Permit Amendment
May 6, 2014**

The Department seeks comment on the recently-filed application listed below. Any person may comment on the application. Comments must be received by the Department within 30 days of the date of this notice. The Director may presume that the transfer would be allowed by, and compatible with comprehensive plans unless an affected local government informs the Director otherwise within 30 days of this notice.

County: HARNEY
Transfer: 11803
Water Right: PERMITS G-13539, G-13730
Priority Date: FEBRUARY 2, 1998; DECEMBER 22, 1998; MARCH 12, 1999
Name: ANDY ROOT
524 HWY 20 N
HINES, OR 97738
Change: additional point of appropriation
Source: WELL 1

The holder of a water right may apply to permanently change an existing water use subject to transfer. A transfer application may involve any of the following changes: Point of diversion or appropriation (POD; POA); Additional point of diversion or appropriation (APOD; APOA); Historic POD (HIST); Place of use (POU); Character of use (USE); Instream (ISWR); Substitution (SUB); or Exchange (EXCH).

The holder of a water right subject to transfer may request to temporarily change the place of use of the water for up to 5 years and, if necessary to convey the water, to temporarily change the point of diversion or appropriation.

The holder of a water right permit may apply to change a point of diversion (POD) or appropriation (POA) or to change the place of use (POU).

Any person who provides comments within the comment period will receive a copy of the Department's preliminary determination of whether the application should be approved or rejected after the Department has completed a review of the application and will be provided an opportunity to protest the application and preliminary determination at that time. Comments should be sent to the Transfers Section at the Department's Salem office.



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

April 16, 2013

REFERENCE: Application for Extension of Time

Dear Extension of Time Applicant:

The Water Right Services Division has received your application for an extension of time for **APPLICATION FILE #:** 914678 (**Permit** 913539). Your application will be reviewed in the 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 are interested in having your application 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

You may continue the use of water under your water right until the Water Resources Department formally takes action on your extension application. If your permit includes conditions, water use reporting, water level measurement reporting, etc., you are required to comply with the conditions.

Any additional development that occurs after the expired completion date, identified on the permit or an extension order, can only be claimed upon an approved extension application.

If you have questions concerning your extension of time application, please contact Michele McAleer at (503) 986-0825. 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 website at: www.wrd.state.or.us.



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

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 each 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>.*

I, Andy Root

NAME OF PERMIT HOLDER [OAR 690-315-0020(1) and (3)(a)]

HC 73 174 Harney Rd Burns OR 97720
 ADDRESS CITY STATE ZIP

541-493-3645 _____
 PHONE E-MAIL ADDRESS

the permit holder of: Application Number G-14678

Permit Number G-13539
 [OAR 690-315-0020(3)(b)]

RECEIVED BY OWRD

MAR 26 2013

do hereby request that the time in which to:

SALEM, OR

complete construction (of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water), which time now expires on October 1, 2011, be extended to October 1, 2018,

N/A (Check this box if the permit does not specify a date by when construction must be completed.)

and/or the time in which to:

apply water to full beneficial use under the terms and conditions of the permit, which time now expires on October 1, 2011, be extended to October 1, 2018.

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 \$500.
- 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

\$500 STATUTORY FEE TO:

RECEIVED BY OWRD

**Water Resources Department
Attn: Water Right Permit Extensions
725 Summer Street NE, Suite A
Salem, Oregon 97301**

MAR 26 2013

SALEM, OR



GENERAL TIPS:

- 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://www.wrd.state.or.us/OWRD/PUBS/forms.shtml#other>
- 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>.

- 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 <http://www.wrd.state.or.us> (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

[OAR 690-315-0020(3)(d)]

1. **Did the actual construction of the water system/well drilling begin within the time specified in the permit?** Yes No



TIP: *Not all permits specify a date by which construction was to begin.*

Date construction began is: Sep 30, 1999

Details of construction: Construction of the entire irrigation system began before A-Date

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MAR 26 2013

SALEM, OR

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

2-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	2009-present	Dedicated Electric Meters
2	2009-present	Water Use reports submitted to OWRD.
3	2004-2006	Water Use Impact plan – There was a 2004 plan submitted and then on Mar 16-2006, an amendment to the plan was done changing the measurement time.
3	3/4/2005	Initial water level measurements reported.
3	3/05 to present	Annual static water level measurements reported
4	1987 - 2002	Wells were constructed
5	2003	Meters were installed

** Condition No: Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension). Include a copy of your hand-numbered permit with the application.

2-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
5	10/1/2018	Electronic metering was approved by Gary Ball but no letter exists or cannot be found and/or no approval from director

** Condition No: Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension). Include a copy of your hand-numbered permit with the application.

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[OAR 690-315-0020(3)(e)]

MAR 26 2013

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).

3-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 <i>List any work done before the permit was issued – eg. well drilled.</i>	COST*
1991 - 1998	Drilled 8 wells	240,000
1997	Installed pivots 4,5, & 6, mainline, pumps & meters	242,225
6/8/08	Replaced pivot 9	76,067.95
11/4/08	Replaced Pivot 6	71,914.88

DATE	WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED <i>and PRIOR TO DATE SPECIFIED IN PERMIT FOR COMPLETE APPLICATION OF WATER</i> <i>List work/actions done during the permitted time period.</i>	COST*
11/12/98	Date the permit was signed - find date above signature on last page of permit.	
1998	Installed pivots 1,2, mainline, pumps, meters	231,600
1999	Pivot mainline, pump and meter	131,650
9/30/99	Date the permit specified "Actual Construction Work" shall begin ("A-Date") -not all permits contain this date.	
2002 - 2003	Pivots 7,8, & 9 , mainline, pumps & meters	240,000
5/3/10	New energy efficient sprinkler pkgs, Pivots 4 & 5	8,713.50
10/1/2002	Date 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" <i>COMPLETE 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.</i>	COST*
12/22/09	Well 10 constructed	34,850
2/10/10	Applied for transfer	
4/26/10	Applied for extension	\$500.00

Total Cost for Chart-C 35,350.00

* If exact cost is not known, you must provide your best estimate.

3-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 <i>List all work done during the last authorized extension period.</i>	COST*
10/1/2002	"Extended From" date for complete application of water used in the 1 st (or the most recent) Application for Extension of Time.	
5/3/10	New sprinklers for pivots 4 & 5	\$8713.50
4/22/11	Extension order issued	
7/19/11	Hired All Points Engineering to assist	
10/1/	"Extended To" date for complete application of water resulting from the 1 st (or the most recent) Application for Extension of Time.	

CHART-D (Continued)

DATE	WORK ACCOMPLISHED AFTER THE LAST EXTENSION PERIOD EXPIRED <i>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.</i>	COST*
Total Cost of Chart-D		

* If exact cost is not known, you must provide your best estimate.

[OAR 690-315-0020(3)(f)]

4. Cost of project to date: 1,286,234.80
(The total combined cost from CHART-C and CHART-D)

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[OAR 690-315-0020(3)(e)(B)]

5. Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit and/or prior extensions of time (if any) made to date.
Wells 1-6 & 8 have the ability to pump 8000 gpm or 17.8 cfs from reported water use reports.



TIP: Report the rate used to date. Unless full beneficial use has been made, this rate will be less than the rate authorized on the permit.

5-A) For Surface Water Permit Extensions (e.g. S-XXXX or R-XXXX):



TIP: Report the rate in the same units of measurement as specified in the permit.

Maximum rate used to date = _____ cfs (cubic feet per second) or,

Maximum rate used to date = _____ gpm (gallons per minute) or,

Acre-feet stored to date = _____ AF

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5-B) For Ground Water Permit Extensions (e.g. G-XXXX):



TIP: Include information from ALL wells that pertain to this permit, including drilled wells not currently used.

CHART-E

Well # as identified on Permit	Water User's Well #	Has this well been drilled?	IF DRILLED					If yes, provide the Permit, Certificate, or Transfer No.
			Well Log Number e.g. MORR 50473	Well Tag Number e.g. # 27566 or N/A	Is the actual drilled location authorized on this permit or on a permit amendment? (See 5-C below)	Maximum instantaneous rate used from this well -- under this permit only (CFS or GPM)	Is this well authorized or utilized under any OTHER water rights?	
Well 1	1	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 1879	35535	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-
Well 2	2	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 1912	35536	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-
Well 3	3	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 50457	35537	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-
Well 4	4	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 50241	16814	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-
Well 5	5	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 50668	35538	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-

								-
Well	6	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 50422	28438	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Well	7	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 50890	51625	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Well	8	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 50362	21297	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	G-13730
Well	10	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 51682	102504	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	1800 gpm	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	G-13730
Total instantaneous rate from all wells utilized under this permit								

5-C) If the drilled location of a well is not authorized on this permit, please specify its location below, or provide a map showing its location. Has or will a permit amendment application been/be filed? Yes No

If a Permit Amendment Application has been filed: Transfer No. T-_____

Well #10: Actual location: SW of the NE of SW1/4, NE1/4 Section 33, T22S R32.5E, W.M. 2605' south & 750' east from north 1/4 corner, sec 33

Well #7: Actual location: NW1/4, NW1/4 section 33, T22S R32.5E, W.M. 25' south & 45' east from NW corner, sec 33

[OAR 690-315-0020(3)(e)(C)]

6. Provide the total number of acres irrigated to date under this permit (if applicable).

Total acres irrigated to date: 2359.4 (P) & 85.1 (S)

Ground Water Permits: Please specify which wells are being utilized for this irrigation.

Well #1 Acres 360.9

Well #2 Acres 360.9

Well #3 Acres 360.9

Well #4 Acres 252.3

Well #5 Acres 119.6

Well #6 Acres 119.6

Well #7 Acres 57.1

Well #8 Acres 366.2 (P) & 85.1 (S)

Well #10 Acres 360.9

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[OAR 690-315-0020(3)(j)]

- 7. Provide a summary of your future plans and schedule to complete the construction of the water system, and/or apply water to full beneficial use under the terms and conditions of the permit.

CHART-F

APPROXIMATE DATE RANGE (projected)	WORK OR ACTION TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
1 ASAP	Permit Amendment to add Well 10 & change the location of well 7	\$5000.00
Year: ASAP	Date intend to apply water to full beneficial use under the terms and conditions of this permit.	
Total Cost		\$5000.00

[OAR 690-315-0020(3)(g)]

- 8. Estimated remaining cost to complete the project: \$25,000.00
(The total cost from CHART-F)

[OAR 690-315-0020(3)(h)]

- 9. List the reasons why the project was not constructed, and/or water was not beneficially used within permit time limits. Provide supporting information for the reason(s) that best fits your circumstances (A, B, C or D).

- 10. 9-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.

Well 10 wasn't amended to the permit in time for the "c" date of the extension. Flow meters are going to be gradually added over the next five years.

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9-B) **The financial resources needed to develop the project precluded completion of the project within authorized time frames.**

Projected cost of flow meters is \$15,000.00

9-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.**

OWRD didn't give enough time to complete the project in the first extension.

9-D) **Acts of God or other unforeseen events delayed full development of the water system and use of water within the authorized time frames.**

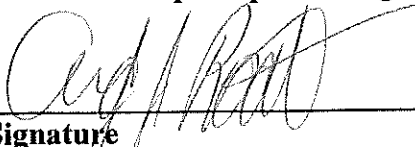
[OAR 690-315-0020(3)(k)]

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-B, 7, 8, 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 plan to install 2 or 3 meters per year and transfer Well 10 in the next 5 years. The permit has a total of 9 wells currently.

11. **Provide any other information you wish OWRD to consider while evaluating your Extension of Time Application.**

I am the permit holder, or have written authorization from the permit holder (attached to this Extension of Time Application), 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.


Signature

MAR 25 2013

Date

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Last Revised 11/19/2012

MAR 26 2013

SALEM OR

Michele McAleer

From: Margaret Ritches <highdeserthair@hotmail.com>
Sent: Tuesday, May 14, 2013 3:01 PM
To: Michele McAleer
Subject: Fwd: Comment;Rattlesnake Creek Basin

Thanks for the email...)

Sent from my iPad

Begin forwarded message:

From: Margaret Ritches <highdeserthair@hotmail.com>
Date: May 14, 2013, 12:12:10 PM PDT
To: "michele.r.mcaleer@state.or.us" <michele.r.mcaleer@state.or.us>
Subject: Fwd: Comment;Rattlesnake Creek Basin

Sent from my iPad

Begin forwarded message:

From: Margaret Ritches <highdeserthair@hotmail.com>
Date: May 14, 2013, 10:18:34 AM PDT
To: "michele.r.mcaleer@state.or.us" <michele.r.mcaleer@state.or.us>
Subject: Fwd: Comment;Rattlesnake Creek Basin

My mothers neighbor wanted me to add her name to this email. Her name is Shirley Mingus.
We are all very concerned about this particular action of extension ...

Sent from my iPad

Begin forwarded message:

From: Margaret Ritches <highdeserthair@hotmail.com>
Date: May 13, 2013, 6:49:14 PM PDT
To: "mealeemr@wrđ.state.or.us" <mealeemr@wrđ.state.or.us>
Subject: Comment;Rattlesnake Creek Basin

RE: G-14678.....permit G-13539
G-14888.....permit G-13730

Water Rights Actions for extensions of time to perfect water rights permits.

Land owners in the Rattlesnake Creek Basin including myself,have serious concerns and questions the numbers of wells that are being

Michele McAleer

From: Thad Hillman <twhillman@live.com>
Sent: Wednesday, May 15, 2013 7:44 PM
To: Michele McAleer
Subject: App. File# G-14678 & G-14888

Importance: High

Categories: Pending Research

Hello Michele....My name is Thad Hillman and have property on S Hiway 20 and S.Harney Rd... It was brought to my attention that Andy Root is applying for water right extention to "perfect' well that were applied for years ago. This is in regards to Appl. File # G-14678 and G-14888.....My concerns are these: 1) Are these existing wells? 2) If so, is he wanting to go deeper or put a bigger pump on these well to get more volume per minute.. 3) or to dig more wells? Talking with old timers that have been here 50+ years, this is looking like it could be the worst they have seen... I've been here since 1956 and I agree! What will happen to my water volume at my ranch? No way do I want to dig deeper. I have the BEST tasting water in the county, bar none.....If you have access to past records, you can find that in 1995, myself and others "below" had to get ahold of the state water master regarding Andy Root taking too much "runoff water". I have the papers in front of me and cannot find any reference numbers.....Dated March 28, 1995, from Watermaster District #10.

Please let me know ...**App. File G14678**

G14888



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

March 23, 2006

(503) 986-0844

Mr. Andy J. Root
72163 Rattlesnake Road
Burns, OR 97720

Re: Proposed Amendment to Water Level Measurement Plan, Permit G-13539

Dear Andy:

I have received and reviewed your letter of March 13, 2006, in which you propose some changes to your measurement plan for the above permit. I can approve all but one of the proposed changes. Your plan still needs to specify reference levels for the wells. These are water levels in the wells as measured at some specified time. Your letter appears to specify a measurement point (the access ports) rather than a reference level. I have spoken with Bill Beal about this and he appears to understand that it is my desire to establish the reference water levels as those that will be measured in March 2006. If you fail to measure the wells before the end of this month, then we will need to revisit this issue.

Please contact me at the above number if you have any questions.

Sincerely,

Michael J. Zwart
Hydrogeologist

Andy J. Root
72163 Rattlesnake Road
Burns, Oregon 97720

March 13, 2006

Oregon Water Resources Department
Measuring & Reporting Section
725 Summer Street N.E., Ste. A
Salem, Oregon 97301-1271

Re: Application #G14678
Permit #G13539

Water Use Impact Plan

Amendment to 2004 Plan

Change measurement time to March 1 to 31. Measurements are to be taken by Andy Root, Matt Nonnenmacher (Pump Installer) or Bill Beal (Consultant).

Reference measurement will be from the measuring port.

Information will be submitted on the Water Use Impact Plan reporting form.


Signature- Andy J. Root

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MAR 15 2006
WATER RESOURCES DEPT
SALEM, OREGON



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

February 25, 2004

(503) 986-0844

Mr. Andy Root, Andy's Custom Work
P. O. Box 946
70 S. Fairview
Burns, OR 97720

Re: Water Level Monitoring Plan – Permit G-13539

Dear Mr. Root:

I have reviewed and approved your water level monitoring plan. The plan may be modified upon request, if appropriate. Following our telephone conversation this morning, I noticed that the plan does not stipulate reference levels. Unless you have some objection, I propose that the reference levels be designated as those measurements to be taken between now and March 15, 2004. The reference levels are necessary for comparison with future measurements.

Please call me at the above number if you have any questions.

Sincerely,

Michael J. Zwart
Hydrogeologist

Andy's
CUSTOM WORK

ACW, Inc. dba,

P.O. Box 946
70 S. Fairview
Burns, OR 97720
Office: 541-573-3815
Home: 541-493-2433
Fax: 541-573-3419

2/24/04

Oregon Water Resources Department
Attn: Ground Water/Hydrology
158 12th St. NE
Salem, OR 97310-4172

Re: Water Impact Plan for Permit # G-13539

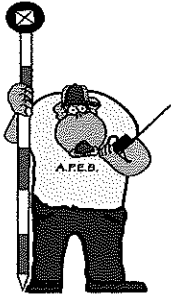
Following is well monitoring plan.

1. Andy Root will measure the water level annually between February 15 and March 15.
2. Well ID tag #'s L-21297 & L-28438 ^{HARN 50362} ^{HARN 50422}
3. The measurement point will be at ground level, the measurement will be done using an electric sounder.
4. The measurement will be done in feet & inches.
5. The well will not have been pumped for a minimum of one day prior to the measurement.
6. The person doing the measurement will be owner & operator, Andy Root.
7. The annual reporting data will be mailed to the Ground Water and Hydrology section within 30 days after measurement.

Should you have any questions, please call.

Thank you,

Andy Root



ALL POINTS
ENGINEERING & SURVEYING, INC.
P.O. Box 767 (CRR)
Terrebonne, Oregon 97760

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DEC 05 2011

WATER RESOURCES DEPT
SALEM, OREGON

TRANSMITTAL

To:
Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1266

Date: 12/01/11 Job: 11-040

Attention: Gerry Clark

Re: G-13539, G-13730, G-16150, G-16165

Prints Plans Plat Specifications Change order Other

Copies	No.	Description
1	1	Claim of Beneficial Use Report G-13539 (26 sheets letter bond), G-13730 (13 sheets letter bond), G-16150 (12 sheets letter bond), & G-16165 (12 sheets letter bond)
1	2	Final Proof Survey Map (1 sheet 17" x 11" mylar) for G-16150 & G-16165
1	3	Final Proof Survey Map (1 sheet 24"x18" mylar) for G-13539, & G-13730
1	4	NRCS Aerial Imagery (2 sheets letter bond) for 4 permits
1	5	Well Logs G-13539 (9 sheets letter bond), G-13730 (3 sheets letter bond), G-16150 (3 sheets letter bond), & G-16165 (2 sheets letter bond)
1	6	Note on Water Use Reporting G-16150 (1 sheet letter bond), G-16165 (1 sheet letter bond)
1	7	Check from Andy Root for \$600.00 for permits G-13539, G-13730, G-16150 & G-16165

Remarks:
Gerry,

I prepared the COBU's and maps for the above mentioned permits for Andy Root. I've attached our reports along with the attached listed in the reports.

Thanks and if you have questions please don't hesitate to call (541) 548-5833.

Signed: _____



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

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 each 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>.*

I, Andy Root
NAME OF PERMIT HOLDER [OAR 690-315-0020(1) and (3)(a)]

424 Hwy 20N Hines OR 97738
ADDRESS CITY STATE ZIP

541-573-3615 _____
PHONE E-MAIL ADDRESS

the permit holder of: Application Number G-14678

Permit Number G-13539
[OAR 690-315-0020(3)(b)]

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 SALEM OREGON

do hereby request that the time in which to:

complete construction (of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water), which time now expires on October 1, ~~2003~~ be extended to October 1, 2010,

N/A (Check this box if the permit does not specify a date by when construction must be completed.)

and/or the time in which to:

apply water to full beneficial use under the terms and conditions of the permit, which time now expires on October 1, _____, be extended to October 1, _____.

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 \$500.
- 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

\$500 STATUTORY FEE TO:

**Water Resources Department
Attn: Water Right Permit Extensions
725 Summer Street NE, Suite A
Salem, Oregon 97301**

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SALEM, OREGON



GENERAL TIPS:

- 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://www.wrd.state.or.us/OWRD/PUBS/forms.shtml#other>
- 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>.

- 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 <http://www.wrd.state.or.us> (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

[OAR 690-315-0020(3)(d)]

1. Did the actual construction of the water system/well drilling begin within the time specified in the permit? Yes No



TIP: Not all permits specify a date by which construction was to begin.

Date construction began is: 2-20-1991, 3-10-1991, 3-28-1991, 3-29-1991, 4-13-1991,
8-9-1991, 12-3-1997, 7-28-1995

Details of construction: #1 Well Construction

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SALEM, OREGON

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

2-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
② wells	① 3-10-91	wells were constructed
	② 3-28-91	
	③ 3-29-91	
	④ 4-13-91	
	⑤ 8-9-91	
	⑥ 7-28-95	
	⑦ 12-3-97	
	⑧ 10-19-98	
① flowmeters	2003	Meters were installed
③	2007	water impact USE Plan submitted

** Condition No: Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension).

2-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
	2007	All conditions were satisfied

** Condition No: Hand-number each condition on a copy of your permit (and, if applicable, permit amendment and prior extension).

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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).

3-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 <i>List any work done before the permit was issued - eg. well drilled.</i>	COST*
1991-1998	Drilled 8 wells	\$ 240,000
1997	installed Pivots 4, 5 & 6 Mainline, Pump & meters	242,225
DATE	WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED and PRIOR TO DATE SPECIFIED IN PERMIT FOR COMPLETE APPLICATION OF WATER <i>List work/actions done during the permitted time period.</i>	COST*
11-12-1998	Date the permit was signed - find date above signature on last page of permit.	
1998	installed Pivots 1, 2, Mainline, pumps & meters	231,600
1999	Pivot 1 mainline, pump and meter	131,650
9-30-1999	Date the permit specified "Actual Construction Work" shall begin ("A-Date") - not all permits contain this date.	
2002-2003	Pivots 7, 8, 9 mainline, Pumps and meters	240,000
2003	all construction work completed and used	
10/1/2003	Date 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" COMPLETE ONLY IF THIS IS YOUR 1st APPLICATION FOR EXTENSION OF TIME. <i>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.</i>	COST*
Total Cost for Chart-C		\$ 1,085,475

* If exact cost is not known, you must provide your best estimate.

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SOUTH OREGON

3-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 <i>List all work done during the last authorized extension period.</i>	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.	
	NA	
10/1/	"Extended To" date for complete application of water resulting from the 1 st (or the most recent) Application for Extension of Time.	

CHART-D (Continued)

DATE	WORK ACCOMPLISHED AFTER THE LAST EXTENSION PERIOD EXPIRED <i>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.</i>	COST*
	NA	
Total Cost of Chart-D		

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WATER RESOURCES DEPT
S.W. OREGON

* If exact cost is not known, you must provide your best estimate.

[OAR 690-315-0020(3)(f)]

4. Cost of project to date: \$ 1,085,475.00
(The total combined cost from CHART-C and CHART-D)

[OAR 690-315-0020(3)(e)(B)]

5. Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit and/or prior extensions of time (if any) made to date.



TIP: Report the rate used to date. Unless full beneficial use has been made, this rate will be less than the rate authorized on the permit.

5-A) For Surface Water Permit Extensions (e.g. S-XXXX or R-XXXX):



TIP: Report the rate in the same units of measurement as specified in the permit.

Maximum rate used to date = 16.8 cfs (cubic feet per second) or,

Maximum rate used to date = _____ gpm (gallons per minute) or,

Acre-feet stored to date = _____ AF

5-B) For Ground Water Permit Extensions (e.g. G-XXXX): G-13539



TIP: Include information from ALL wells that pertain to this permit, including drilled wells not currently used.

CHART-E # 1

CHART-E # 2

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Well # as identified on Permit	Water User's Well #	Has this well been drilled?	IF DRILLED					If yes, provide the Permit, Certificate, or Transfer No.
			Well Log Number e.g. MORR 50473	Well Tag Number e.g. #27566 or N/A	Is the actual drilled location authorized on this permit or on a permit amendment? (Sec 5-C below)	Maximum instantaneous rate used from this well under this permit only (CFS or GPM)	Is this well authorized or utilized under additional water rights?	
5	5	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		L-35538	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	1.6 CFS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	G-13730
6	6	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARR 50422	L-28438	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	.32 CFS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-
7	7	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARR 50667		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	.33 CFS	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	-
8	8	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARR 50362	L-21297	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4.0 CFS	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	G-13730
Total instantaneous rate from all wells utilized under this permit						16.81 CFS		

_____, or provide a map showing its location. Has or will a permit amendment application been (be filed?) Yes No

If a Permit Amendment Application has been filed: Transfer No. T-_____

Well # _____: Actual location: _____

Well # _____: Actual location: _____

[OAR 690-315-0020(3)(e)(C)]

6. Provide the total number of acres irrigated to date under this permit (if applicable).

Total acres irrigated to date: 1421.1

Ground Water Permits: Please specify which wells are being utilized for this irrigation.

Well # 1,2,3 Acres 376.8

Well # 5,6 Acres 125.6

Well # 4 Acres 251.2

Well # 7,8 Acres 290.7

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[OAR 690-315-0020(3)(j)]

7. Provide a summary of your future plans and schedule to complete the construction of the water system, and/or apply water to full beneficial use under the terms and conditions of the permit.

CHART-F

APPROXIMATE DATE RANGE (projected)	WORK OR ACTION TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
2010	acquire this extension	500.00
2010	Permit Amendment AFOA (well)	1850.00
Year: 2010	Date intend to apply water to full beneficial use under the terms and conditions of this permit.	
Total Cost		^a 2350.00

[OAR 690-315-0020(3)(g)]

8. Estimated remaining cost to complete the project: 2350.00
(The total cost from CHART-F)

[OAR 690-315-0020(3)(h)]

9. List the reasons why the project was not constructed, and/or water was not beneficially used within permit time limits. Provide supporting information for the reason(s) that best fits your circumstances (A, B, C or D).

9-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.

X Failure To hire a CWRE when the project was completed because of other projects

9-B) The financial resources needed to develop the project precluded completion of the project within authorized time frames.

9-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.

9-D) Acts of God or other unforeseen events delayed full development of the water system and use of water within the authorized time frames.

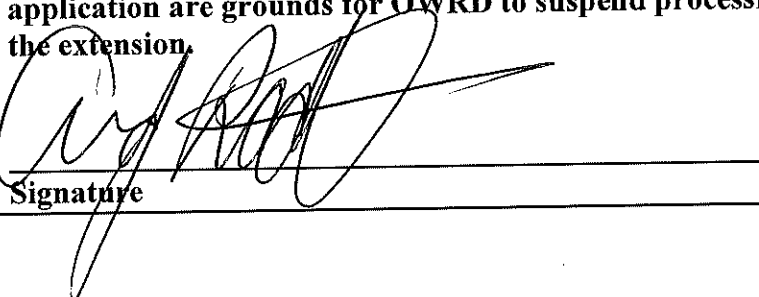
[OAR 690-315-0020(3)(k)]

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-B, 7, 8, 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.

11. Provide any other information you wish OWRD to consider while evaluating your Extension of Time Application.

There is only one CWRE in this area who is also the County Engineer, City of Hines Engineer, City of Burns Engineer and only Land Surveyor. Sometimes he cannot get to projects in a timely fashion. He was working on other projects of mine.

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.



Signature

3-30-10
Date

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Instructions for Filling Out Extension of Time Application For Water Right Permits

The following instructions are numbered to correspond with the APPLICATION FOR EXTENSION OF TIME. Each question is shown in italics, followed by guidance that may help you respond to the question. When reviewing these instructions, it will be helpful to have a copy of your water right permit at hand.

If needed, a copy of the water right permit can be downloaded from the Department's Website at <http://www.wrd.state.or.us> (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).

1. *Did the actual construction of the water system /well drilling begin within the time specified in the permit? (yes/no)*

Date construction began is: 3-10-1991

Details of construction: Started drilling wells

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The following information will help you answer these questions.

Actual Construction - any physical work performed toward completion of the water system which demonstrates the water right permit holder's good faith and intention to complete the project with reasonable diligence. Actual construction does not include planning a diversion system, formulating a business plan, securing financing, letting contracts, purchasing but not installing equipment, or surveying. OAR 690-315-0020(3)(d)(A)and(B).

Each water right permit contains specific dates by which permit holders are to have completed a certain level of development of the right. Generally, these dates appear toward the end of a permit. Among the dates that may be cited are the following:

- A. **A-date:** Actual construction work shall begin on or before [date certain];
- B. **B-date:** Construction shall be completed on or before [date certain];
- C. **C-date:** Complete application of the water shall be made on or before [date certain]

For convenience, these are often referred to as the "A-date", "B-date", and "C-date", respectively. Not all permits will include all three dates. Some newer permits may not include a "B-date," and even more recent permits may not include an "A-date". However, all permits should include a "C-date".

By statute, if the "A-date" is specified in a permit, a permit extension cannot be granted when there is no evidence of actions taken to begin **actual construction** by that date" with a few exceptions (permits for municipal use or projects requiring federal hydropower licenses). Permit extensions may be granted for both the B-date and C-date.

If the permit specifies an "A-date" it is very important to have written confirmation in the OWRD's official water right file that **actual construction** began on or before that "A-date". In submitting such confirmation, give dated details of all **actual construction** work completed prior to the "A-date" stipulated in the permit.

The beginning of actual construction for a ground water permit can usually be verified on a well log; use the "Work started" date listed on the well log. Well Logs can be accessed through the Department's Website at http://apps2.wrd.state.or.us/apps/gw/well_log/Default.aspx

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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)*

2-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.*

Depending on the vintage of the water right permit issued by OWRD, the location of the conditions on the permit may vary. Most, but not all, permits issued before 1990, did not include conditions. If these permits contained conditions they would generally appear on the permit just above the State Engineer's or Water Resources Director's signature. In the early 1990's conditions became more common. Conditions associated with the point of diversion or point of appropriation might be listed immediately following the description of the point of diversion or appropriation. Conditions associated with the place of use, might be listed immediately following the description of the place of use. From the mid-1990's to present, conditions may be listed under separate subtitles in the permit such as "Measurement, Recording, and Reporting Conditions" or "Standard Conditions."

Conditions may have been added to the permit as result of an approved Permit Amendment or a Final Order approving a prior extension of time. These added conditions are binding on the original permit, and must also be also addressed in this extension request.

Conditions requiring a written response in the extension of time application include those which:

- Stipulate a specific date by which the permit holder was to have accomplished a specific action, such as a condition that requires plans and specifications for a reservoir, a groundwater monitoring plan or some other document which "...shall be submitted...within (for example) *two* years of permit issuance."
- Are triggered by the use of water, but do not stipulate a specific date. These conditions represent a milestone in development of the project and use of water, such as the permit holder "shall install...a water meter or other suitable measuring device approved by the Director...before any use of water begins." Another common condition triggered by the use of water is that "fish screens are to be installed according to Oregon Department of Fish and Wildlife specifications."



TIP: Any supporting documentation submitted to demonstrate compliance with time-sensitive permit conditions or any conditions from prior permit extension(s) must be clearly referenced and may include, but is not limited to: well construction logs; static water level measurement reports, annual water use reports; and/or a plan to monitor the effect of water use on ground water aquifers utilized under the permit.

If needed, you may contact the OWRD for assistance in identifying and/or interpreting which conditions in the water permit are pertinent to the extension application.

In responding to question 2-A) on the application:

- Step (1) Hand-number each condition on a copy of your permit. Refer to each condition in Chart-A by this number (place the number in the column "**Condition No.**"). Submit the hand-numbered copy of the permit along with the application.
- Step (2) List all pertinent permit conditions in Chart-A, and explain how you have complied with them ("**Describe How Permit Condition Has Been Satisfied**").
- Step (3) Indicate the date the condition was met ("**Date Satisfied**").
- Step (4) Repeat steps (1), (2), and (3) for any conditions contained in any order approving a permit amendment and/or prior final order for an approved extension of time.

2-B) *If you have NOT complied with all applicable conditions, explain the reasons why and indicate a date certain, when, in the near future, you will be in compliance.*

If a permit holder is not in compliance with time-sensitive conditions, OWRD may take one of three actions:

1. Suspend processing of the application until the permit holder complies with them; or
2. Establish time certain performance deadlines by which the conditions must be complied with and include them as conditions on the extension order; or
3. Deny the permit extension.

If you are considering applying for a permit extension and you are not in compliance with time-sensitive conditions, you may want to hold off filing the extension application until you have complied with the conditions. If you are not in compliance, but wish to proceed with the extension application, you should explain how, and the dates by which, you will comply with the conditions in Chart-B. If the extension is allowed, OWRD will likely not grant much time (less than one year) for the permit holder to comply with time-sensitive conditions.

In responding to question 2-B) on the application:

- Step (1) Hand-number each condition on a copy of your permit. Refer to each condition in Chart-B by this number (place the number in the column "**Condition No.**"). Submit the hand-numbered copy of the permit along with the application.

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SARAH COLLON

Step (2) List all pertinent permit conditions in Chart-A, and explain why you have not complied with them (“**Explain Why Each Permit Condition Has NOT Been Satisfied**”).

Step (3) Indicate the date the condition will be met (“**Date Will Comply**”).

Step (4) Repeat steps (1), (2), and (3) for any conditions contained in any order approving a permit amendment and/or prior final order for an approved extension of time.

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).*

Permitted Time Period - period of time between the date when the permit was signed *and* the date specified in the permit for complete application of water

Time Period of the Previous Extension

For 2nd Application for Extension of Time - period of time between the date specified in the permit for complete application of water and the new “extended to date” for complete application of water specified in the 1st approved extension.

For 3rd, or 4th, or . . . nth, Application for Extension of Time - period of time between the “extended from date” for complete application of water and the “extended to date” for complete application of water specified in the most recently approved extension.

3-A) CHART-C (below) must be completed for all Application for Extension of Time requests. Use chronological order.

Chart-C must be filled out by all applicants regardless of how many extensions have been granted in the past. List all materials and equipment purchases made within the applicable time period, the system components installed and components brought into use within the time period. Identify costs by each line item to assist in responding to Question 4 on the application for extension.

3-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 must be filled out by all applicants who have been granted an extension in the past (that is, this is your 2nd, 3rd, or 4th, etc. request) List all materials and equipment purchases made within the applicable time period, the system components installed and components brought into use within the time period. Identify costs by each line item to assist in responding to Question 4 on the application for extension.

4. **Cost of project to date** ^{\$}683,825.

Indicate the amount invested in developing the water use system to date. This will be a total of the costs indicated on Chart-C and Chart-D from Question 3. If exact cost is not known, you must provide your best estimate.

5. **Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit and/or prior extensions of time (if any) made to date.**

A permit authorizes a specific rate of water that may be used within the terms and conditions of the permit. (For example a permit may authorize the use of 1.5 cubic feet per second (cfs) of water for irrigation of 60 acres. In this example 1.5 cfs is the specified authorized rate in the permit). The Department is asking you to report the portion of the full authorized rate you have beneficially used to date. (In this example, if a maximum of 30 acres has been placed under irrigation, the portion of the rate beneficially used to date would (likely) be 0.75 cfs).

5-A) For Surface Water Permit Extensions (e.g. S-XXXX or R-XXXX):

Surface water permits are those where the source of water is a river, stream, lake, pond, or reservoir, etc. Report the rate (not the volume) of water you are beneficially using under this permit in cubic feet per second (CFS) or gallons per minute (GPM). Only if you are using stored water under a reservoir permit (e.g. R-XXXX), may you indicate the volume used – which is reported in acre-feet (AF).

5-B) For Ground Water Permit Extensions (e.g. G-XXXX):

Ground water permits are those where the source of water is a well. Some permits authorize the use of water from more than one well. Fill out Chart-E with information for a single well, or if applicable, for multiple wells. Give information about all the well(s) listed on your permit, even if not yet drilled; or if drilled, even if it is not being used for some reason.

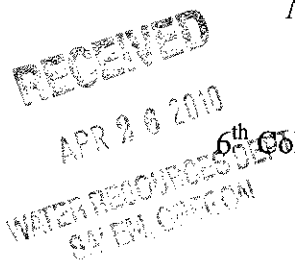
- 1st Column: For each well authorized on the permit, indicate the Well # or the well name that is listed on the permit.
- 2nd Column: If naming system you use is different than what is listed on the permit, indicate the Well # or well name you use for each of the wells.
- 3rd Column: Enter a yes or no for each well listed on the permit, indicating whether or not it has been drilled yet.

The following columns relate only to wells which have been already drilled.

- 4th Column: Enter the Well Log Number for each well. Typically this is a four letter prefix (of the county) followed by 3 to 5 digits.
- 5th Column: Enter the Well Tag Number for each well (typically 5 digits). Not all wells have been assigned a well tag number.

Note: Well Log Numbers and Well Tag ID Numbers can be accessed through the Department's Website at http://apps2.wrd.state.or.us/apps/gw/well_log/Default.aspx

- 6th Column: The Department is asking if the actual location of each well is same as where the permit authorizes the location of that specific well. If the actual location is not the same as the authorized location, a permit amendment may be necessary in order to receive approval for use of the well in a new location. If the actual location of any well is different



from its authorized location, then Question 5-C) must also be completed. Questions about permit amendments may be directed to the Transfer Division of the Department.

- 7th Column: Report the rate (not the volume) of water being utilized under this permit from each well. Give the rate in cubic feet per second (CFS) or gallons per minute (GPM). If more than one well is listed on the permit, than add the rates from each individual well and enter the sum in the last box in this column for the "Total instantaneous rate from all wells utilized under this permit."
- 8th Column: Enter a yes or no for each well listed on the permit, indicating if this well is authorized under any other water right(s).
- 9th Column: If a well is authorized under any other water right(s), provide the Permit Number(s), or Certificate Number(s) or Transfer Number(s) of each water right also listing that well.

5-C) If the drilled location of a well is not authorized on this permit, please specify its location below, or provide a map showing its location. Has or will a permit amendment application been/be filed? Yes ___ No ___

If a Permit Amendment Application has been filed: Transfer No. T-_____

Well # _____: Actual location _____

Well # _____: Actual location _____

If yes is marked for any well in the 6th Column of Chart-E, this question (5-C) must be answered. For each well that is drilled in a location NOT authorized on the permit, report its actual location (for example: 300 Feet North and 520 Feet East from SW Corner, Section 6, Township 40 South, Range 10 East, W.M.), or provide a map with the actual well(s) location(s) clearly marked.

In rare cases, a permit amendment may have been filed prior to the extension application being filed. If this is the case, please provide the transfer number that was assigned to this permit amendment request. (e.g. T-10351). Current department policy provides that if a permit amendment is needed for which the 'C-date' has passed, a Final Order approving an extension of time must be received before the Department accepts the permit amendment application. A permit amendment can only be granted if the 'C-date' specified in the permit or a new 'C-date' granted in approved extension has not expired.

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6. Provide the total number of acres irrigated to date under this permit (if applicable).

Total acres irrigated to date: 1421.1 Primary 166.8 Supplemental = 1587.9 acres

Ground Water Permits: Please specify which wells are being utilized for this irrigation.

Well # 1, 2, 3 Acres 376.8 Well # 5, 6 Acres 125.6

Well # 4 Acres 251.2 Well # 7, 8 Acres 290.7

If your permit authorizes irrigation, indicate the maximum number of acres you have irrigated under this permit. 1587.9 acres

If you have a ground water permit which authorizes the use of more than one well, or you are using more than one well for irrigation under this permit, please specify which wells are being utilized, and how many acres are being irrigated from that well.

7. Provide a summary of your future plans and schedule to complete the construction of the water system, and/or apply water to full beneficial use under the terms and conditions of the permit.

Fill out Chart-F, making your best estimate of the future time line and costs for work necessary to complete construction and/or apply water to full beneficial use under the terms and conditions of the permit.

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8. Estimated remaining cost to complete the project _____.

Indicate your estimate of the remaining investment necessary to fully construct the system and put water to beneficial use. This will be a total of the costs indicated in Chart-F from Question 7.

9. List the reasons why the project was not constructed, and/or water was not beneficially used within permit time limits. Provide supporting information for the reason(s) that best fits your circumstances (9-A, 9-B, 9-C, and/or 9-D).

It may be appropriate to respond in more than one category. Respond in category 9-D) if the reasons for delay do not fit in any other category.

9-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.

Useful supporting information might include an excerpt from a business plan or a phasing schedule showing how the project is to be fully developed and water applied in increments. The supporting information can be simple and straightforward. This information would also be useful in evaluating the time needed to complete the project and beneficially use water.

For group domestic permits, historic population and employment information, growth forecasts and/or build-out status, including total number of residential units and other uses built, the number remaining to be built and absorption rates should be identified.

9-B) *The financial resources needed to develop the project precluded completion of the project within authorized time frames.*

If financing was critical to development of the project, indicate the contract number, financing entity, date when you originally applied for financing and date the financing agreement was executed. It is not necessary to submit a copy of the agreement nor to disclose the terms of the agreement. If cash flow is a constraint to developing the project, develop a phasing plan indicating the investments made annually to date and estimated annual investments anticipated until the project is completed and water applied.

9-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.*

If it was necessary to obtain specific permits (land use approvals, wetland fill and removal permits, individual waste disposal system, or other water quality permits, etc.) to proceed with work under the water right permit, indicate the permits, date permit applications were filed, and date permits were issued by the appropriate authorities. If delays were caused by a general need to comply with government requirements, including specific conditions of the water right permit or other permits, provide a brief explanation of the requirements and, the good faith effort and general timeframes involved in complying with those requirements that delayed development of the water project under the permit.

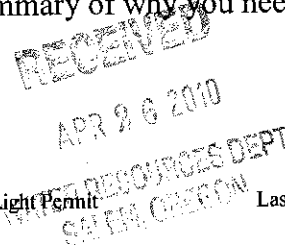
9-D) *Acts of God or other unforeseen events delayed full development of the water system and use of water within the authorized time frames.*

Natural disasters, severe weather, grave illnesses or death suffered by permit holders, family members, and business partners may be among the legitimate reasons that permit holders have not fully developed water systems and made beneficial use of water within permit timeframes. Supporting documentation to submit may include a list of the specific system or site damage caused by natural disasters or severe weather and the amount of delay and financial impact resulting from necessary repairs. For family illnesses and the like, a simple statement should be made indicating whether or not illness/accidents may have resulted in death or hospitalization and if resulting legal or ongoing health care/rehabilitation programs have affected the ability to complete the project authorized by the permit.

If there are other reasons for the delay that are not "Acts of God" and don't fit in categories A, B, and C, list them in this subsection and provide supporting information and estimates of the delay caused by the unforeseen events.

10. *Justify the time requested to complete the project and/or apply the water to full beneficial use.*

A justification should integrate information from Items 2, 3-A, 3-B, 7 and 9 of this Application for Extension of Time, but may include any other information or evidence to establish that the requested amount of time is reasonable. This can be a summary of why you need the amount of time you have requested.



11. Provide any other information you wish the OWRD to consider while evaluating the extension of time application.

This is your opportunity to include any other information you want the OWRD to have when considering your extension request.

Signature Box:

The application must be signed by the permit holder of record, or an authorized agent of the permit holder of record.

If there are multiple permit holders of record for a single permit, only one permit holder of record needs to sign the extension application.

If you are not the permit holder(s) of record, but should be, you will need to request an assignment of the water right permit into your name(s).

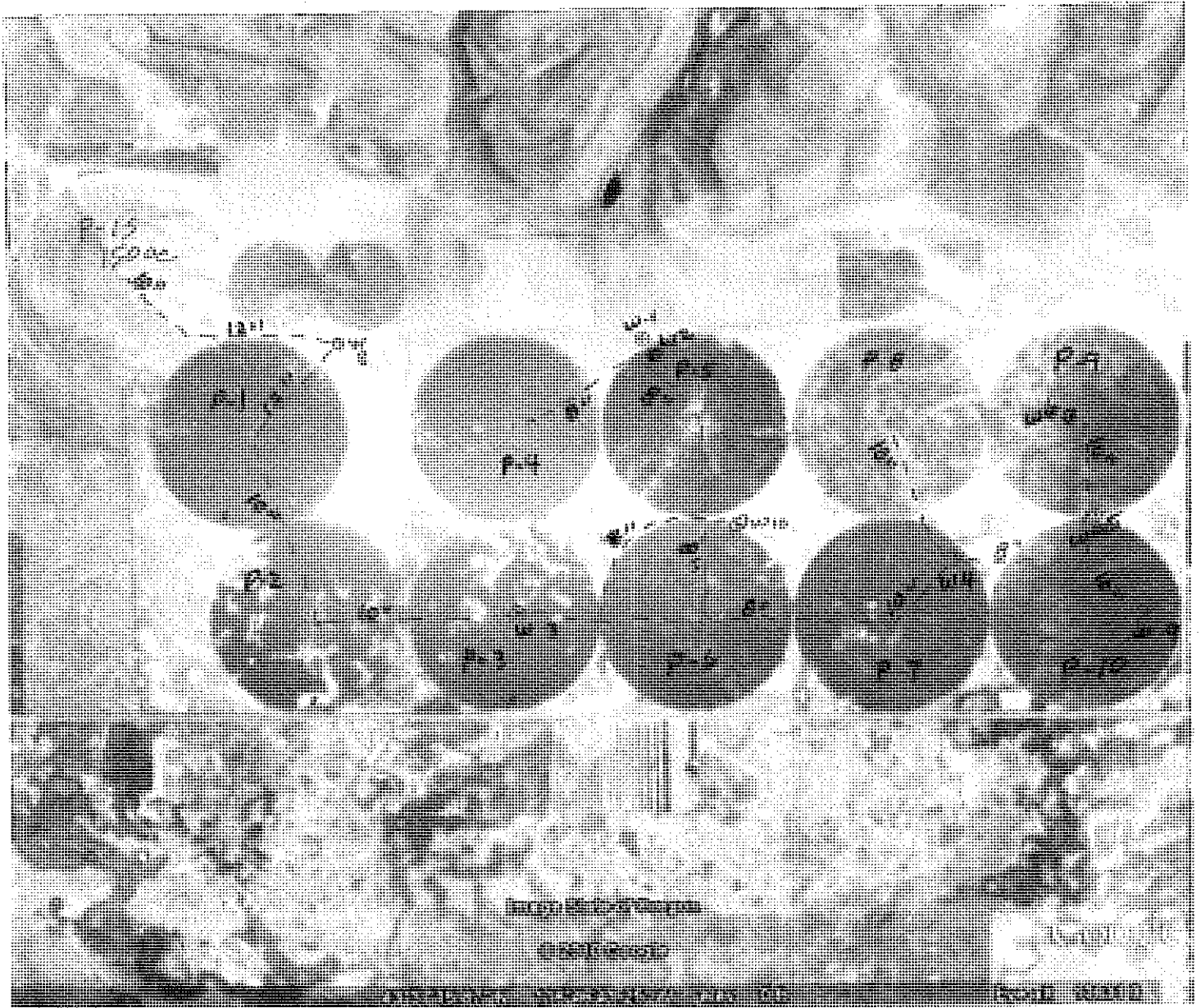
If the prior permit holder is available for a signature you may request an assignment using the form available at this link:

http://www1.wrd.state.or.us/pdfs/req_assign.pdf

If the prior permit holder is absent, you may request an assignment by proof of land ownership using the form available at this link:

http://www1.wrd.state.or.us/pdfs/req_assign2.pdf

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Well # 1 - Harn- 1879 - L-35535
 # 2 - Harn- - L-35536
 # 3 - Harn-50457 - L-35537
 # 4 - Harn-50241 - L-16814
 # 5 - Harn- - L-35538
 # 6 - Harn-50422 - L-28438
 # 7 - Harn-50667 - L-35539
 # 8 - Harn-50362 - L-21297
 # 9 - Harn 50392 - L-28434

Andy Root

Permit G-13539
 Permit G-13730

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 SAUL GREEN



GW correlation
 HARN 1879 L-35539 # 1 - Harn - 1879 - L-35535
 OK # 2 - Harn - -L-35536
 OK # 3 - Harn-50457 -L-35537
 OK # 4 - Harn-50241 -L-16814
 NO log & NO L# # 5 - Harn - -L-35538
 HARN 50668 NO L# # 6 - Harn-50422 -L-28438
 HARN 50667 NO L# # 7 - Harn-50667 -L-35539
 HARN 50422 L28438 # 8 - Harn-50662 -L-21297
 NO # 9 # 9 - Harn 50392 -L-28434

Correlation conflicts
 w/wells
 (GW vs owner & consultant)
 # 1
 # 5
 # 6
 # 7
 # 8
 # 9 ? permit list only & wells ST



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1266
503-986-0900
FAX 503-986-0904

February 8, 2010

Andy Root
524 Hwy 20 N
Hines, OR 97738

REFERENCE: Permit Amendment Application

On February 3, 2010, the Department received an application for a Permit Amendment and an Exempt Use Well Invoice, and a check totaling \$1200.00.

We cannot accept your Permit Amendment application at this time. The Department is unable to accept a Permit Amendment application for any permit that has: **1) a completion date that has expired;** 2) a pending permit extension of time application on file with the Department; or 3) a pending claim of beneficial use report on file with the Department.

The Department is returning the application and check totaling \$1200.00. Once the Department issues a final order approving an extension of time for Permit G-13539 and G-13730, you may then return the permit amendment application.

I am sending Mr. Beal the extension of time applications; also once the extensions are approved a new permit amendment application will need to be completed.

If you have questions regarding the extension application, you may contact Scott Kudlemyer at 503-986-0813 for further assistance.

If you have any questions regarding the permit amendment or this letter, please feel free to contact me at 503-986-0883.

If you have any questions regarding the Exempt Use Well Invoice, you may contact Joel Jeffery at 503-986-0861.

Sincerely,

Sarah Henderson
Executive Support
Field Services Division

Enclosure

cc: File G-14678 (Permit G-13539)
File G-14888 (Permit G-13730)
Scott Kudlemyer, Water Right Extensions
WM District 10
William Beal, Agent
Fiscal



2008

Andy Root
Rattle Snake Land and Cattle
524 Hwy N
Hines OR 97738

User ID # 28096

L-35535
Well #1 Pod 47870

L-35536
Well #2 Pod 47871

L-35532
Well #3 Pod 47872

Permit G-13539 Pivots 4, 5, & 6 = 375 acres

Meter # 16521890 = 298,080 kwh Meter # 97214937 = 150820 kwh

Total kwh = 448400 kwh

Total HP = 258

X .75 basic kwh/HP if meter is accurate

193.5

Total kwh $\frac{448,400}{193.5} = \frac{2317.3}{24}$ hrs = 96.6 days

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WATER RESOURCES DEPT
SALEM, OREGON

Water Pumped $\frac{2800 \text{ GPM}}{448.8 (10 \text{ CFS})} = 6.24 \text{ CFS} = 12.48 \text{ ac ft/day}$

$12.48 \text{ ac ft/day} \times 96.6 \text{ days} = \frac{1205.4 \text{ ac ft/yr}}{375 \text{ acres}} = 3.21 \text{ ac ft/ac/yr}$

✓ L-16814
Well #4 Pod 47873

Meter # 21467136 = 136,451 kwh

Permit G-13539, G-7920 Pivots 7 & 8 = 250 acres

HP = 85
X .75 basic kwh/HP
63.75 $\frac{136,451 \text{ kwh}}{63.75} = \frac{2140.4 \text{ hrs}}{24} = 89.2 \text{ days}$

Water Pumped $\frac{1650 \text{ GPM}}{448.8} = 3.68 \text{ CFS} = 7.35 \text{ ac ft/day}$

$7.35 \text{ ac ft/day} \times 89.2 \text{ days} = \frac{655.9 \text{ ac ft/yr}}{250 \text{ ac}} = 2.62 \text{ ac ft/ac/yr}$

USER ID # 28096

Well # 5 ✓ L-35538
Pod ID # 47874

L-28438
Well # 6 Pod ID # 47875

meter # 99180170 (New meter) 126,270 Kwh Pivot # 9 = 125 ac

Permit G-13539, G-7920

$$\frac{179.2}{1.75}$$

69.4 Kwh

$$\frac{126,270 \text{ Kwh}}{59.4} = \frac{2125.8 \text{ hrs}}{24} = 88.6 \text{ days}$$

$$\frac{850 \text{ GPM Pumped}}{448.8 \text{ CFS}} = 1.89 \text{ CFS} \times 2 = 3.79 \text{ ac ft/day}$$

$$88.6 \text{ days} \times 3.79 \text{ ac ft/day} = \frac{335.6 \text{ ac ft/yr}}{125 \text{ ac}} = 2.68 \text{ ac ft/ac/yr}$$

Well # 7 ✓ L-35539
Not used Pod 47876 Permit G-13539, G-13730

L-35535
Well # 8 Pod ID # 48472 ✓ meter # 97131155 = 179,140 Kwh

Pivots 1, 2, 3 & 14 = 575 acres

$$\frac{108.4 \text{ HP}}{1.75 \text{ basic Kwh/HP}}$$

81.3 Kwh

$$\frac{179,140 \text{ Kwh}}{81.3 \text{ Kwh}} = \frac{2203.4 \text{ hrs}}{24} = 91.8 \text{ days}$$

$$\frac{3600 \text{ GPM}}{448.8 \text{ CFS}} = 8.02 \text{ CFS} \times 2 = 16.04 \text{ ac ft/day}$$

$$91.8 \text{ days} \times 16.04 \text{ ac ft/day} = \frac{1472.7 \text{ ac ft/yr}}{575 \text{ acres}} = 2.56 \text{ ac ft/ac/yr}$$

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WATER RESOURCES DEPT
SALEM OREGON

L-28534
Well # 9 Pod ID # 48473 ✓ meter # 84213406 = 260,280 Kwh

Pivot # 10 = 125 acres Permit G-13730

$$\frac{199 \text{ HP}}{1.75}$$

149.3 Kwh

$$\frac{260,280 \text{ Kwh}}{149.3 \text{ Kwh}} = \frac{1743.3 \text{ hrs}}{24 \text{ Hrs}} = 72.6 \text{ days}$$

$$\frac{900 \text{ GPM}}{448.8 \text{ CFS}} = 2.01 \text{ CFS} = 4.02 \text{ ac ft/day}$$

$$4.02 \text{ ac ft/day} \times 72.6 \text{ days} = \frac{291.2 \text{ ac ft/yr}}{125 \text{ acres}} = 2.33 \text{ ac ft/ac/yr}$$

Well # 10 L-35540 Meter # 23267949 = 249,843 Kwh.
 # 15 125 acres
 Pivot # 13 = 113.2 acres Permit G-14743
 79.2 HP
 $\frac{.75}{448.8}$
 $\frac{249,843 \text{ Kwh}}{59.4 \text{ Kwh}} = \frac{4206.1 \text{ hrs}}{24} = 175.3 \text{ days}$
 59.4 Kwh

$\frac{900 \text{ GPM}}{448.8 \text{ CFS}} = 2.01 \text{ CFS} = 4.02 \text{ ac ft/day}$

$175.3 \text{ days} \times 4.02 \text{ ac ft/day} = \frac{703.1 \text{ ac ft/yr}}{238.9} = 2.95 \text{ ac ft/ac/yr}$

L-36501

Well # 11 Pod 10 # 61653 Meter # 23535620 = 24,223 Kwh
 Pivot # 11 & 12 = 250 acres Permit G-12931
 47 HP
 $\frac{.75}{448.8}$
 $\frac{24,223 \text{ Kwh}}{35.3 \text{ Kwh}} = \frac{1182.6}{24} = 87.6 \text{ days}$
 35.3 Kwh

$\frac{700 \text{ GPM}}{448.8} = 1.56 \text{ CFS} = 3.12 \text{ ac ft/day}$

$3.12 \text{ ac ft/day} \times 87.6 \text{ days} = \frac{273.3 \text{ ac ft/yr}}{250} = 1.09 \text{ ac ft/ac/yr}$

Well # 12 L-36501 ✓ New Meter # 21467127 = 57,217 Kwh

Permit G-7920, G-12931 Pivots 11 & 12 - 250 acres
 40 HP
 $\frac{.75}{448.8}$
 $\frac{57,217 \text{ Kwh}}{30 \text{ Kwh}} = \frac{1907.2 \text{ hrs}}{24} = 79.5 \text{ days}$
 30 Kwh

$\frac{400 \text{ GPM}}{448.8 \text{ CFS}} = .89 \text{ CFS} = 1.78 \text{ ac ft/day}$

$79.5 \text{ days} \times 1.78 \text{ ac ft/day} = \frac{1417.7 \text{ ac ft/yr}}{250 \text{ ac}} = .57 \text{ ac ft/ac/yr}$

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 WATER RESOURCES DEPT
 SALEM, OREGON

User ID # 28096

Well # 13 L-36000 meter # 84183261 = 76,310 Kwh

Permits G-7920, G-12931 Pivots 11 & 12 = 250 acres

$$\begin{array}{r} 47 \text{ HP} \\ \hline .75 \\ \hline 35.3 \text{ Kwh} \end{array}$$

$$\frac{76,310 \text{ Kwh}}{35.3 \text{ Kwh}} = \frac{2161.8 \text{ hrs}}{24} = 90.1 \text{ days}$$

$$\frac{800 \text{ GPM}}{448.8 \text{ ICFs}} = 1.78 \text{ CFS} = 3.57 \text{ acft/day}$$

$$3.57 \text{ acft/day} \times 90.1 \text{ days} = \frac{321.2 \text{ acft/yr}}{250 \text{ acres}} = 1.29 \text{ acft/ac/yr}$$

Note wells # 11, 12 & 13 serve Pivots 11 & 12 250 acres

Well 11 = 1.09 acft/ac/yr, Well 12 = .57 acft/ac/yr & well # 13 = 1.29 acft/ac/yr

$$1.09 + .57 + 1.29 = 2.95 \text{ acft/ac/yr}$$

Well # 14 meter # 84906052 = 43,400 Kwh

Wheel Lines 80 acres

$$\begin{array}{r} 90 \text{ HP} \\ \hline .75 \\ \hline 67.5 \text{ Kwh} \end{array}$$

$$\frac{43,400 \text{ Kwh}}{67.5 \text{ Kwh}} = \frac{643 \text{ hrs}}{24} = 26.8 \text{ days}$$

$$\frac{650 \text{ GPM}}{448.8 \text{ ICFs}} = 1.45 \text{ CFS} = 2.9 \text{ acft/day}$$

$$2.9 \text{ acft/day} \times 26.8 \text{ days} = \frac{77.6 \text{ acft/yr}}{80} = .97 \text{ acft/ac/yr}$$

Well # 15 meter # 04389602 = 109,918 Kwh

Pivot # 17 120 acres

$$\begin{array}{r} 125 \text{ HP} \\ \hline .75 \\ \hline 93.8 \text{ Kwh} \end{array}$$

$$\frac{109,918 \text{ Kwh}}{93.8 \text{ Kwh}} = \frac{1171.8}{24} = 48.8 \text{ days}$$

$$\frac{960 \text{ GPM}}{448.8 \text{ ICFs}} = 2.14 \text{ CFS} = 4.28 \text{ acft/day}$$

$$4.28 \text{ acft/day} \times 48.8 \text{ days} = \frac{208.8 \text{ acft/yr}}{120 \text{ acres}} = 1.74 \text{ acft/ac/yr}$$

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WATER RESOURCES DEPT
SALEM, OREGON

Leathers Ranch

User ID # 28096

Well #1 Harm 1094 Meter # 861195924 = 330,140 Kwh

Pivots 1, 2 & 3 = 412 acres Permit G-12841

$$\frac{200 \text{ HP}}{.75} \quad \frac{330140 \text{ Kwh}}{150 \text{ Kwh}} = \frac{2200.9}{24} = 91.7 \text{ days}$$

150 Kwh

$$\frac{2300 \text{ GPM}}{448.8 \text{ cfs}} = 5.13 \text{ cfs} = 10.24 \text{ ac ft/day}$$

$$10.26 \text{ ac ft/day} \times 91.7 \text{ days} = \frac{939.9 \text{ ac ft/yr}}{412 \text{ ac}} = 2.28 \text{ ac ft/ac/yr}$$

Well #2 Meter # 86195925 = 285166 Kwh

Pivot #4 125 acres Pivot 5: 135 ac. Permit G-9419

$$\frac{200 \text{ HP}}{.75} \quad \frac{285166 \text{ Kwh}}{150 \text{ Kwh}} = \frac{1901.1 \text{ hr}}{24 \text{ hr}} = 79.2 \text{ days}$$

150 Kwh

$$\frac{1440 \text{ GPM}}{448.8 \text{ cfs}} = 3.21 \text{ cfs} \times 2 = 6.42 \text{ ac ft/day}$$

$$6.42 \text{ ac ft/ac/day} \times 79.2 \text{ days} = \frac{508.2 \text{ ac ft/yr}}{260 \text{ ac}} = 1.96 \text{ ac ft/ac/yr}$$

Well #3 Meter # 10664716 = 133080 Kwh

Pivots 5 & 6 = 135 acres Permits G-9419, G-5287

$$\frac{144.5 \text{ HP}}{.75} \quad \frac{133080 \text{ Kwh}}{108.8 \text{ Kwh}} = \frac{1227.7 \text{ hrs}}{24} = 51.2 \text{ days}$$

108.4 Kwh

$$\frac{760 \text{ GPM}}{448.8 \text{ cfs}} = 1.69 \text{ cfs} \times 2 = 3.38 \text{ ac ft/day}$$

$$3.38 \text{ ac ft/day} \times 51.2 \text{ days} = \frac{173.3 \text{ ac ft/yr}}{135 \text{ ac}} = 1.28 \text{ ac ft/ac/yr}$$

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WATER RESOURCES DEPT
SALEM, OREGON

Leathers Ranch

User ID # 28096

Well # 4

Meter # 85303372 = 57,547 Kwh

Permit G-9419 Pivot #7 60 acres

$$\begin{array}{r} 50 \text{ HP} \\ \times 1.75 \\ \hline 37.5 \text{ Kwh} \end{array}$$

$$\frac{57,547 \text{ Kwh}}{37.5 \text{ Kwh}} = \frac{1534.6 \text{ hr}}{24} = 63.9 \text{ days}$$

$$\frac{340 \text{ GPM}}{448.8 \text{ ICFS}} = .76 \text{ CFS} \times 2 = 1.52 \text{ ac ft/day}$$

$$1.52 \text{ ac ft/day} \times 63.9 \text{ days} = \frac{96.8 \text{ ac ft/yr}}{60} = 1.61 \text{ ac ft/ac/yr}$$

Well # 5

New Meter # 85755331 = 302160 Kwh

Application G-16460 Permit G-16165 Pivots 849 = 300 acres

$$\begin{array}{r} 200 \text{ HP} \\ \times 1.75 \\ \hline 150 \text{ Kwh} \end{array}$$

$$\frac{302,160 \text{ Kwh}}{150 \text{ Kwh}} = \frac{2014.4 \text{ hrs}}{24} = 83.9 \text{ days}$$

$$\frac{1685 \text{ GPM}}{448.8 \text{ ICFS}} = 3.75 \text{ CFS} \times 2 = 7.51 \text{ ac ft/day}$$

$$7.51 \text{ ac ft/day} \times 83.9 \text{ days} = \frac{630 \text{ ac ft/yr}}{300 \text{ ac}} = 2.10 \text{ ac ft/ac/yr}$$

Well # 6

Meter # 85755346 = 126487 Kwh

Permit G-16150 Pivot 11 = 138.5 acres 50 HP

$$\begin{array}{r} 50 \text{ HP} \\ \times 1.75 \\ \hline 37.5 \text{ Kwh} \end{array}$$

$$\frac{126,487 \text{ Kwh}}{37.5 \text{ Kwh}} = \frac{3373 \text{ hrs}}{24} = 140.5 \text{ days}$$

$$\frac{780 \text{ GPM}}{448.8} = 1.74 \text{ CFS} \times 2 = 3.48 \text{ ac ft/day}$$

$$3.48 \text{ ac ft/day} \times 140.5 \text{ days} = \frac{488.9 \text{ ac ft/yr}}{138.5 \text{ ac}} = 3.53 \text{ ac ft/ac/yr}$$

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WATER RESOURCES DEPT
SALEM, OREGON

User ID # 28096

Well #7 L-72707
Harn 51272

New Meter 89501089 = 217160 Kwh

Permit G-16150

Pivots 12 + 13 = 132.8 acres

$$\frac{850 \text{ HP}}{1.75} = 187.5 \text{ Kwh}$$

$$\frac{217160 \text{ Kwh}}{187.5 \text{ Kwh}} = \frac{1158.2 \text{ hrs}}{24} = 48.3 \text{ days}$$

$$\frac{1200 \text{ GPM}}{448.8 \text{ CFS}} = 267 \text{ CFS} \times 2 = 5.35 \text{ ac ft/day}$$

$$5.35 \text{ ac ft/day} \times 48.3 \text{ days} = \frac{258.3 \text{ ac ft/yr}}{132.8 \text{ ac}} = 1.95 \text{ ac ft/ac/yr}$$

Well #8 Harn 1096 New meter #97879956 = 83,768 Kwh

Permit G-16165

Pivot #10 97.5 acres

$$\frac{60 \text{ HP}}{1.75} = 45 \text{ Kwh}$$

$$\frac{83768 \text{ Kwh}}{45 \text{ Kwh}} = \frac{1861.4 \text{ hrs}}{24} = 77.6 \text{ days}$$

$$\frac{600 \text{ GPM}}{448.8 \text{ CFS}} = 1.34 \text{ CFS} \times 2 = 2.68 \text{ ac ft/day}$$

$$2.68 \text{ ac ft/day} \times 77.6 \text{ days} = \frac{207.5 \text{ ac ft/yr}}{97.5 \text{ ac}} = 2.13 \text{ ac ft/ac/yr}$$

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app 6-14080
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app 6-12770

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WATER RESOURCES DEPT
SALEM OREGON

User ID 28096

Andy Root
524 Hwy 20 N
Hines OR 97738

L-35535 Well #1 Pod 47870 ✓ L-35536 Well #2 Pod 47871 ✓ L-35532 Well #3 Pod 47872 ✓

Permit G-13539 Pivots 4, 5, 6 = 375 acres

meter # 16521890 362,680 KWH

meter # 97131155 204,220 Kwh

Combined HP = 258 566,900

x .75 basic KWH/HP if meter is accurate

193.5

Total KWH $\frac{566,900}{193.5} = \frac{2929.7}{24} = 122.1$ days

Water Pumped $\frac{2800 \text{ GPM}}{450 \text{ cfs}} = 6.22 \text{ cfs} = 12.44 \text{ acft/day}$

$12.44 \text{ acft/day} \times 122.1 \text{ days} = \frac{1518.9 \text{ acft/yr}}{375 \text{ acres}} = 4.1 \text{ acft/ac/yr}$ ✓

L-16814 Well #4 Pod 47873 meter # 21467136 = 162,785 KWH

Permit G-13539, G-7920 Pivots #7 & #8 = 250 acres

HP 85
x .75 basic KWH/HP $\frac{162,785 \text{ Kwh}}{63.8} = \frac{2551.5}{24} = 106.3$ days

Water Pumped $\frac{1650 \text{ GPM}}{450 \text{ cfs}} = 3.67 \text{ cfs} = 7.34 \text{ acft/day}$

$106.3 \text{ days} \times 7.34 \text{ acft/day} = \frac{779.5}{250} = 3.12 \text{ acft/ac/yr}$ ✓

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L-35588
Well # 5 Pod 10# 47874

L-28438
Well # 6 Pod 1.D. 47875

WATER RESOURCES DEPT
SALEM OREGON

Meter # 99180170 = 152680 Kwh

Pivot # 9 = 125 acres Permit G-13539, 7920

$$\begin{array}{r} \text{HP} = 79.2 \\ \times .75 \\ \hline 59.4 \text{ Kwh} \end{array}$$

$$\frac{152680 \text{ Kwh}}{59.4} = \frac{2570.4}{24} = 107.1 \text{ days}$$

$$\frac{650 \text{ GPM}}{450 \text{ cfs}} = 1.89 \text{ cfs} = 3.78 \text{ acft/day}$$

$$107.1 \text{ days} \times 3.78 \text{ acft/day} = \frac{404.6}{125 \text{ acres}} = 3.21 \text{ acft/ac/yr}$$

L-35539
Well # 7 Not used Pod 47876 Permit G-13539 ✓

L-35535
Well # 8 Pod 1.D. 48472

Meter # 97151155 = 204220 Kwh

Pivots 1, 2, 3 & 14 = 575 acres Permit G-13539, 13730

$$\begin{array}{r} 108.4 \text{ HP} \\ \times .75 \text{ basic kwh/HP} \\ \hline 81.3 \text{ Kwh} \end{array}$$

$$\frac{204220 \text{ Kwh}}{81.3 \text{ Kwh}} = \frac{2511.9 \text{ hrs}}{24} = 104.7 \text{ days}$$

$$\frac{3600 \text{ GPM}}{450} = 8 \text{ cfs} = 16 \text{ acft/day}$$

$$104.7 \text{ days} \times 16 \text{ acft/day} = \frac{16746 \text{ acft}}{575 \text{ acres}} = 2.91 \text{ acft/ac/yr}$$

L-28334
Well # 9 Pod 1.D. 48473

Meter # 84213406 = 340120 Kwh

Pivot # 10 125 acres Permit G-13730

$$\begin{array}{r} 199 \text{ HP} \\ \times .75 \text{ Kwh/HP} \\ \hline 149.3 \text{ Kwh} \end{array}$$

$$\frac{340120}{149.3} = \frac{2278.1 \text{ hr}}{24 \text{ hr}} = 94.9 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 \text{ cfs}} = 2 \text{ cfs} = 4 \text{ acft/day}$$

$$4 \text{ acft/day} \times 94.9 \text{ days} = \frac{379.6 \text{ acft}}{125 \text{ ac}} = 3.01 \text{ acft/ac/yr}$$

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WATER RESOURCES DEPT
SALEM OREGON

Well # 10 L-35540 Meter # 23267949 = 179771 Kwh
 Pivot # 13 = 113.2 acres Permit G-14743 - permit of 12002
 79.2 HP
 .75 basic Kwh/HP

$$\frac{179771 \text{ Kwh}}{59.4 \text{ Kwh}} = \frac{3026.5 \text{ hr}}{24 \text{ hr}} = 126.1 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 \text{ cfs}} = 2 \text{ cfs} = 4 \text{ acft/day}$$

$$126.1 \text{ days} \times 4 \text{ acft/day} = 504.4 \text{ acft} = 113.2 \text{ ac} = 4.1 \text{ acft/ac/yr} \checkmark \text{ voluntary data}$$

L-36501
 Well # 11 Pod 12, 61653 Meter # 84183262 = 88593
 47 HP
 .75 Kwh/HP
 35.3 Kwh
 Pivots # 11 & # 12 = 250 acres Permit G-12931

$$\frac{88593}{35.3} = \frac{2509.7}{24} = 104.6 \text{ days}$$

$$\frac{700 \text{ GPM}}{450 \text{ cfs}} = 1.56 \text{ cfs} = 3.12 \text{ acft/day}$$

$$104.6 \text{ days} \times 3.12 \text{ acft/day} = \frac{326.3 \text{ acft}}{250 \text{ acres}} = 1.31 \text{ acft/ac/yr} \checkmark$$

Well # 12 L-36501 Meter # 84183259 = 36168 Kwh
 Permit G-7920 Pivots 11 & 12 = 250 acres P.G. 12931
 40 HP
 x .75
 30 Kwh

$$\frac{36168 \text{ Kwh}}{30 \text{ Kwh}} = \frac{1205.6 \text{ hr}}{24} = 50.2 \text{ days}$$

not sure where
 well # 12, 14, 15
 belongs to.

$$\frac{400 \text{ GPM}}{450 \text{ cfs}} = .89 = 1.78 \text{ acft/day}$$

$$50.2 \text{ days} \times 1.78 \text{ acft/day} = \frac{89.4}{250 \text{ ac}} = 0.35 \text{ acft/ac/yr}$$

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WATER RESOURCES DEPT
SALEM OREGON

Well # 13 L-36006 meter # 84183261 = 99880 Kwh

Pivots 11 & 12 = 250 acres Permits G-7920, 12931

$$\frac{4.711 \text{ HP}}{.75} \times \frac{99880 \text{ Kwh}}{35.3 \text{ Kwh}} = \frac{2829.5 \text{ hr}}{24} = 117.9 \text{ days}$$

$$\frac{800 \text{ GPM}}{450 \text{ CFS}} = 1.78 \text{ CFS} = 3.56 \text{ acft/day}$$

$$3.56 \text{ acft/day} \times 117.9 \text{ days} = \frac{419.7 \text{ acft}}{250 \text{ ac}} = 1.68 \text{ acft/ac/yr}$$

Note wells 11, 12, 13 served pivots 11 & 12

Well 11 = 1.31

Well 12 = .35

Well 13 = 1.68

$$3.34 \text{ acft/ac/yr}$$

Well # 14 meter # 84906052 44,880 Kwh

Wheel lines 80 acres

$$\frac{90 \text{ HP}}{.75 \text{ Kwh/HP}} \times \frac{44880 \text{ Kwh}}{67.5 \text{ Kwh}} = \frac{664.9}{24} = 27.7 \text{ days}$$

$$\frac{650 \text{ GPM}}{450 \text{ CFS}} = 1.44 \text{ CFS} = 2.88 \text{ acft/day}$$

$$2.88 \text{ acft/day} \times 27.7 \text{ days} = \frac{80.0 \text{ acft}}{80 \text{ acres}} = 1.0 \text{ acft/ac/yr}$$

Well # 15

meter # 79160385 = 146900 Kwh

$$\frac{125 \text{ HP}}{.75} \times \frac{146900 \text{ Kwh}}{93.75 \text{ Kwh}}$$

$$= \frac{1566.9}{24} = 65.3 \text{ days}$$

Pivot # 17 = 120 acres

$$\frac{960 \text{ GPM}}{450 \text{ CFS}} = 2.13 \text{ CFS} = 4.26 \text{ acft/day}$$

$$4.26 \text{ acft/day} \times 65.3 \text{ days} = \frac{278.1}{120} = 2.32 \text{ acft/ac/yr}$$

P-1

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WATER RESOURCES DEPT
SALEM OREGON

Well #1 HARN 1094

Meter # 86195924 = 316800 Kwh

Pivots 1, 2 & 3 = 412 acres Permit # G-12841

$$\frac{200 \text{ HP}}{1.75 \text{ Kwh/HP}} = \frac{316800 \text{ Kwh}}{150} = \frac{2112}{24} = 88 \text{ days}$$

150 Kwh

$$\frac{2300 \text{ GPM}}{450} = 5.1 \text{ EPS} = 10.2 \text{ acft/day}$$

$$10.2 \text{ acft/day} \times 88 \text{ days} = \frac{899.6 \text{ acft}}{412 \text{ ac}} = 2.18 \text{ acft/ac/yr}$$

Well #2

Meter # 86195925 = 291280 Kwh

Pivot #4 125 acres P-G-9419

$$\frac{200 \text{ HP}}{1.75} = \frac{291280 \text{ Kwh}}{150 \text{ Kwh}} = \frac{1941.9 \text{ hrs}}{24 \text{ hr}} = 80.9 \text{ days}$$

150 Kwh

$$\frac{710 \text{ GPM}}{450 \text{ EPS}} = 1.58 \text{ EPS} = 3.16 \text{ acft/day}$$

$$3.16 \text{ acft/day} \times 80.9 \text{ days} = \frac{255.3 \text{ acft}}{125 \text{ ac}} = 2.04 \text{ acft/ac/yr}$$

Well #3 270 acres meter # 10664716 = 133400 Kwh

$$\frac{144.5 \text{ HP}}{1.75} = \frac{133400 \text{ Kwh}}{108.4 \text{ Kwh}} = \frac{1230.6}{24} = 51.3 \text{ days}$$

108.4 Kwh

$$\frac{1520 \text{ GPM}}{450 \text{ EPS}} = 3.38 \text{ EPS} = 6.76 \text{ acft/day}$$

$$6.76 \text{ acft/day} \times 51.3 \text{ days} = \frac{346.6 \text{ acft}}{270} = 1.28 \text{ acft/ac/yr}$$

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P-2

APR 11 2000

Leathers

WATER RESOURCES DEPT
SALEM OREGON

Well #4

meter # 85303372 = 85064 Kwh

Permit G-9419 Pivot #7 = 60 acres 50 HP

$$\frac{50 \text{ HP}}{1.75 \text{ Kwh/HP}} = 37.5 \text{ Kwh}$$

$$\frac{85064 \text{ Kwh}}{37.5 \text{ Kwh}} = \frac{2268.4 \text{ hrs}}{24} = 94.5 \text{ days}$$

$$\frac{340 \text{ GPM}}{450 \text{ ICFPS}} = 1.76 \text{ CFS} = 1.52 \text{ acft/day}$$

$$1.52 \text{ acft/day} \times 94.5 \text{ days} = \frac{143.7 \text{ acft}}{60 \text{ acres}} = 2.39 \text{ acft/ac/yr}$$

Well #5

meter # 87114608 = 320800 Kwh

application G-16460 Pivots 8 1/2 = 300 acres

$$\frac{200 \text{ HP}}{1.75} = 150$$

$$\frac{320800 \text{ Kwh}}{150 \text{ Kwh}} = \frac{2138.7 \text{ hrs}}{24} = 89.1 \text{ days}$$

$$\frac{1685 \text{ GPM}}{450 \text{ ICFPS}} = 3.74 \text{ CFS} = 7.49 \text{ acft/day}$$

$$7.49 \text{ acft/day} \times 89.1 \text{ days} = \frac{667.3}{300 \text{ ac}} = 2.22 \text{ acft/ac/yr}$$

Well #6

meter # 85755346 = 121606 Kwh

P-G-16150 Pivot 11 = 138.5 acres 50 HP

$$\frac{50 \text{ HP}}{1.75} = 37.5$$

$$\frac{121606}{37.5} = \frac{3242.8}{24} = 135.1 \text{ days}$$

$$\frac{280 \text{ GPM}}{450 \text{ ICFPS}} = 1.73 \text{ CFS} = 3.47 \text{ acft/day}$$

$$3.47 \text{ acft/day} \times 135.1 \text{ days} = \frac{468.4 \text{ acft}}{138.5 \text{ ac}} = 3.38 \text{ acft/ac/yr}$$

Andy Root
P.O. Box 946
72163 RATTLE SNAKE
Burns, OR 97720

USER ID # 28096

Wells #1 Pod ID = 47870 #2 Pod ID = 47871 #3 Pod ID 47872
L-35535 L-35536 L-35532

Permit G-13539 Pivots 4, 5, 6 = 375 acres

meter # 16521890 (Pumps 1 & 2) = 242,600 Kwh

meter # 97214937 Pump #3 = 144,140 Kwh

TOTAL 386,740 Kwh

Combined HP = 258 HP

x .75 basic Kwh/HP if meter is accurate

193.5

TOTAL Kwh $\frac{386,740}{193.5} = \frac{1998.7 \text{ hrs}}{24} = 83.3 \text{ days}$

Water Pumped $\frac{2800 \text{ GPM}}{450 \text{ (1 cfs)}} = 6.22 \text{ cfs} = 12.5 \text{ acft/day}$

651 + 390

$12.5 \text{ acft/day} \times 83.3 \text{ days} = \frac{1041.3 \text{ acft/yr}}{375 \text{ ac}} = 2.78 \text{ acft/ac/yr}$

Well #4 Pod ID = 47873 Meter # 21467136 = 139,293 Kwh
L-16814

Permit G-13539 Pivots 7 & 8 - 250 acres

HP 85

x .75 basic Kwh/HP $\frac{139,293}{63.75} = \frac{2185 \text{ hrs}}{24} = 91.0 \text{ days}$

63.75

Water pumped $\frac{1650 \text{ GPM}}{450 \text{ (1 cfs)}} = 3.67 \text{ cfs} \times 2 = 7.34 \text{ acft/day}$

$91.0 \text{ days} \times 7.34 \text{ acft/day} = \frac{668.2 \text{ acft/yr}}{250 \text{ ac}} = 2.67 \text{ acft/ac/yr}$

RECEIVED

NOV 17 2004

WATER RESOURCES DEPT

Andy Root

P. 2 of 2

USERID 28096

Well #5 ^{L-35538} Pod ID 47874 Well #6 ^{L-28438} Pod ID 47875
 Meter # 16523846 wasn't used in 2004

Well #7 ^{L-35539} Pod ID # 47876 wasn't used in 2004

Well #8 ^{L-35535 47877} Pod ID = 48472 Meter # 97131155 = 163,850 Kwh
 Permit G-13730, G-14888, G-14678 Pivots 1, 2, 3 & 14 = 575 ac.

108.4 HP

$$.75 \text{ basic Kwh/HP} \quad \frac{163,850 \text{ Kwh}}{81.3} = 2015.4 \text{ hr} = 84 \text{ days}$$

81.3

$$\frac{3600 \text{ GPM}}{450 \text{ L/CFS}} = 8.0 \text{ CFS} = 16 \text{ ac ft/day}$$

$$84 \text{ days} \times 16 \text{ ac ft/day} = \frac{1344 \text{ ac ft/yr}}{575} = 2.34 \text{ ac ft/ac/yr}$$

Well #9 ^{L-28334} Pod ID 48473 Meter # 84213406 = 269640 Kwh

Permit G-13730 Pivot # 10 = 125 ac

199 HP

$$.75 \text{ basic Kwh/HP} \quad \frac{269640 \text{ Kwh}}{149.3} = 1806 \text{ hr} = 75.3 \text{ days}$$

149.3 Kwh

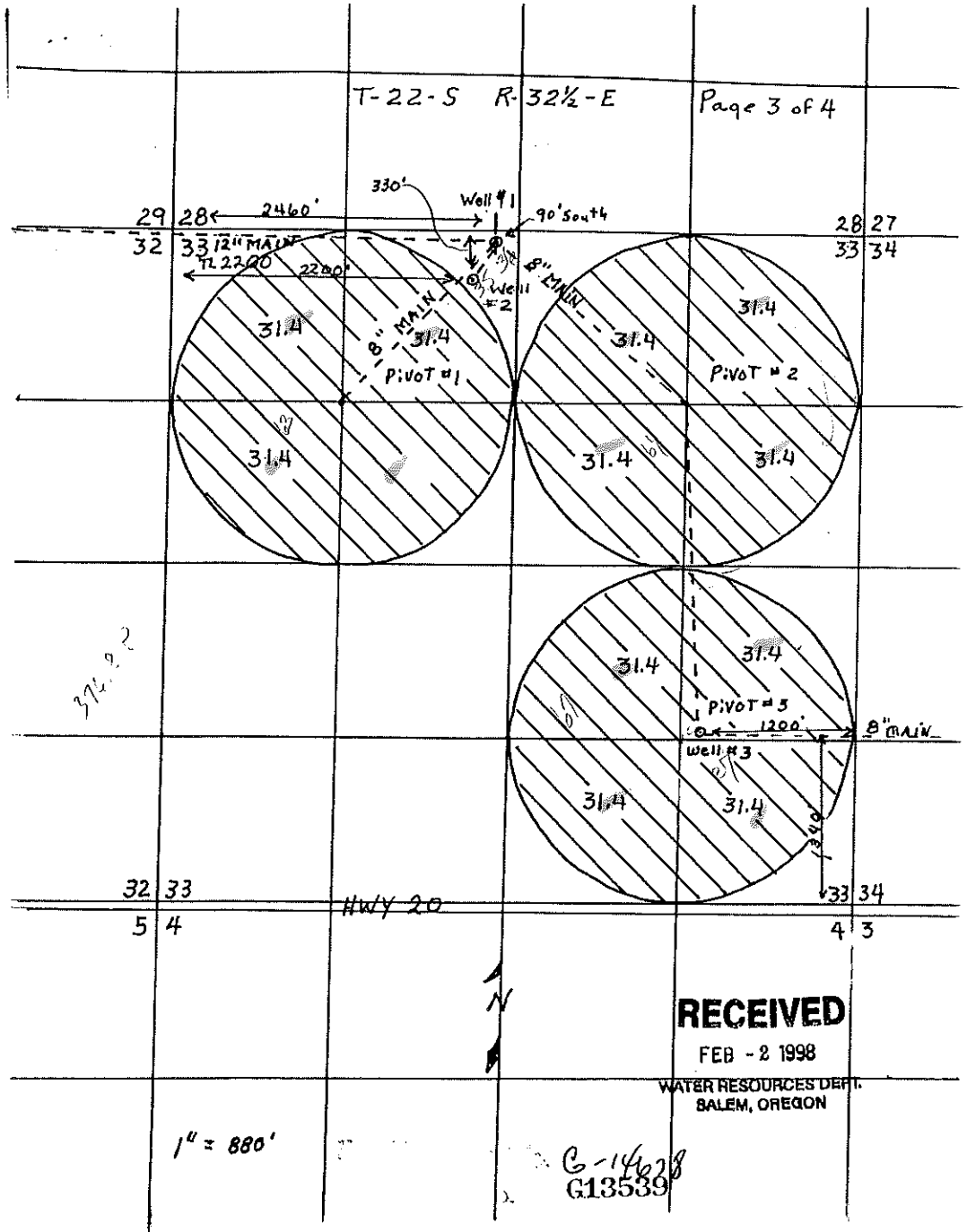
$$\frac{900 \text{ GPM Pumped}}{450 \text{ (1CFS)}} = 2 \text{ CFS} = 4 \text{ ac ft/day} \times 75.3 \text{ days} = 301 \text{ ac ft/yr}$$

$$\frac{301 \text{ ac ft/yr}}{125 \text{ ac}} = 2.41 \text{ ac ft/ac/yr}$$

RECEIVED

NOV 17 2004

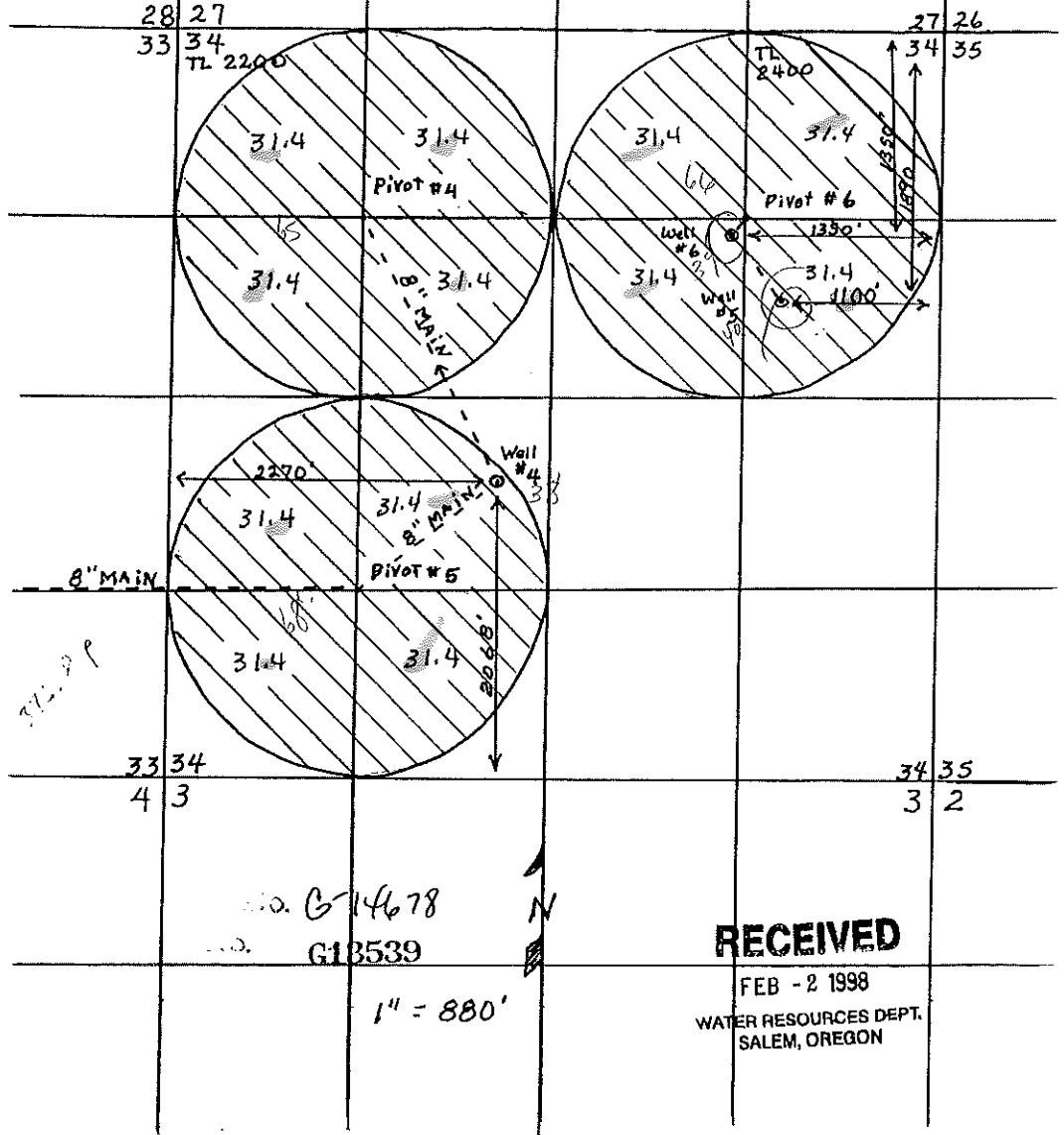
WATER RESOURCES DEPT / SALEM, OREGON



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FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON



cm

TL 2200

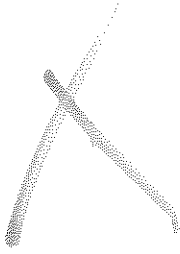
no. G14678

no. G18539

1" = 880'

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FEB - 2 1998
WATER RESOURCES DEPT.
SALEM, OREGON



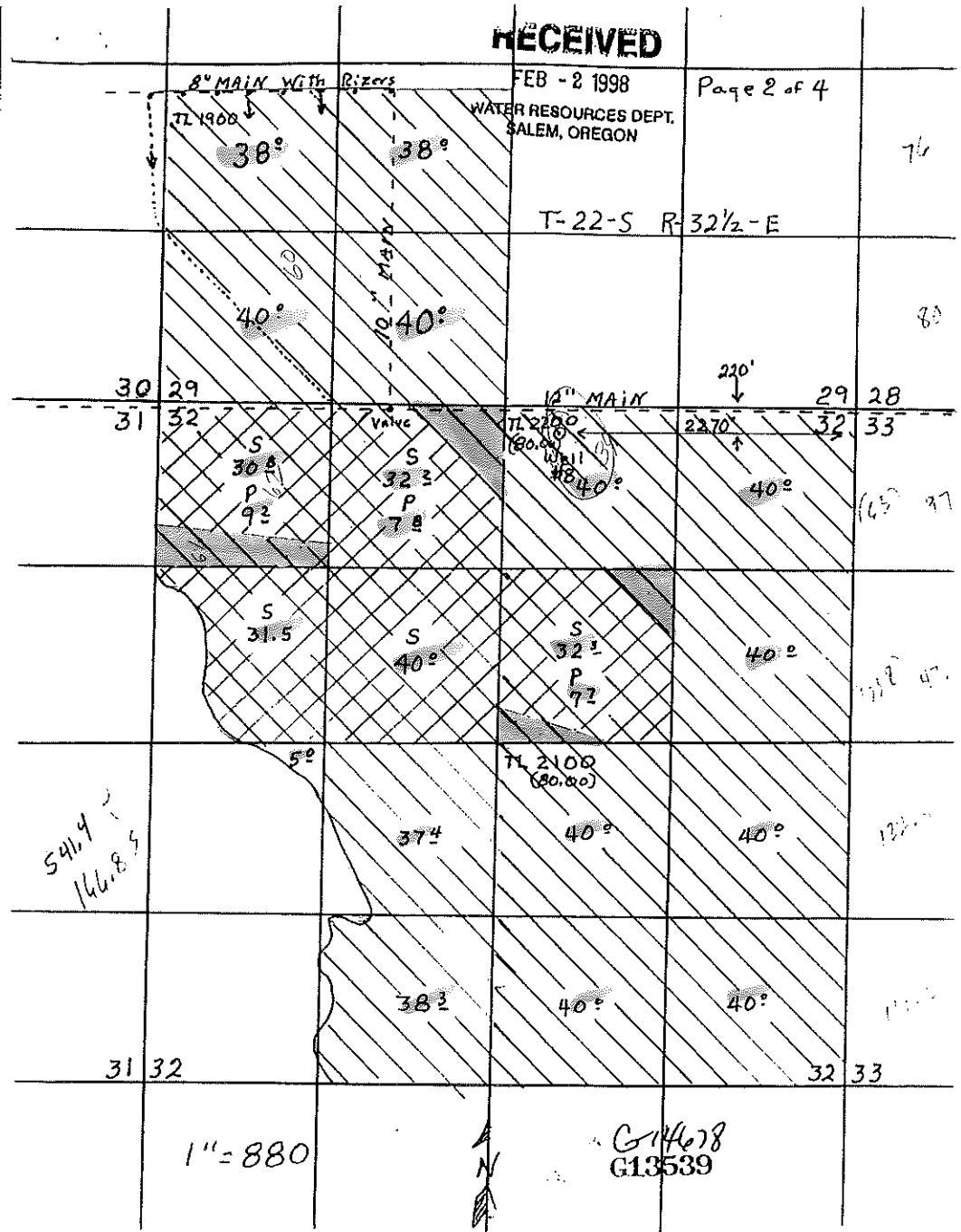
RECEIVED

FEB - 2 1998

Page 2 of 4

WATER RESOURCES DEPT.
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T-22-S R-32 1/2 - E



541.4
166.85

1" = 880

G14678
G13539

76

80

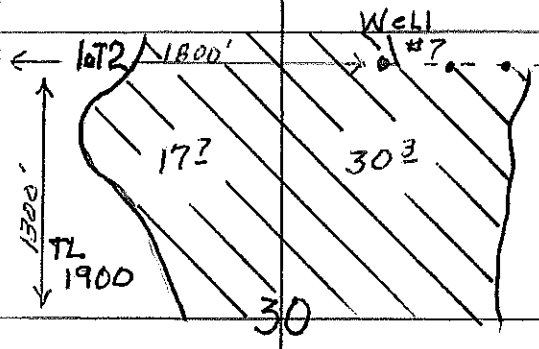
97

47

122

111





8" MAIN with Bizers

T-22-S R-32½-E

PRIMARY →

Supplemental →

126.1 P

1" = 880



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FEB - 8 1988

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No. G14678

G13539

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FEB - 2 1998

Page 2 of 4

WATER RESOURCES DEPT.
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76

T-22-S R-32 1/2 - E

80

8" MAIN With Risers

TL 1900

38°

38°

40°

40°

30 29

31 32

12" MAIN

220'

29 28

32 33

S
30 8
P
9 2

S
32 3
P
7 8

TL 2250
(80.00)
Well #8

40°

40°

(63) 97

S
31.5

S
40°

S
32 3
P
7 2

40°

(1038) 47.7

5°

TL 2100
(80.00)

37 4

40°

40°

122-4

38 3

40°

40°

118.3

31 32

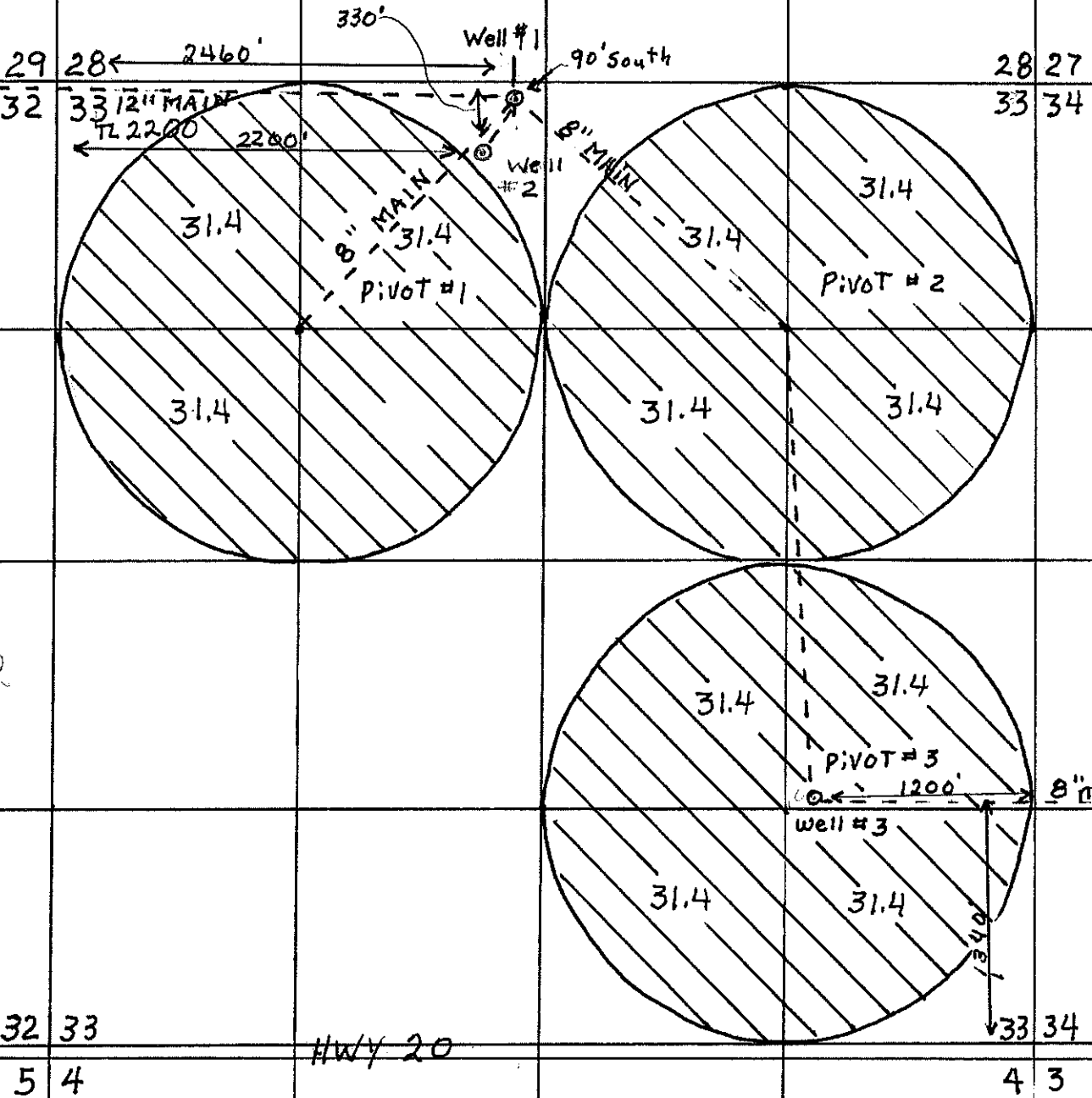
32 33

1" = 880



G14678
G13539

541.4 P
146.8 S



376.8 P



RECEIVED

FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON

1" = 880'

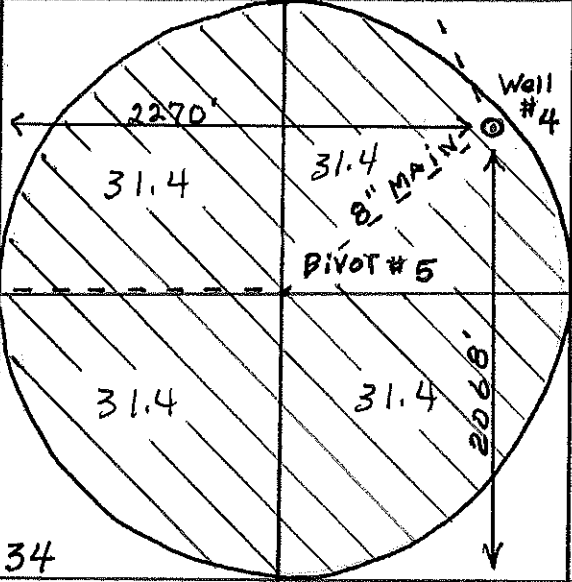
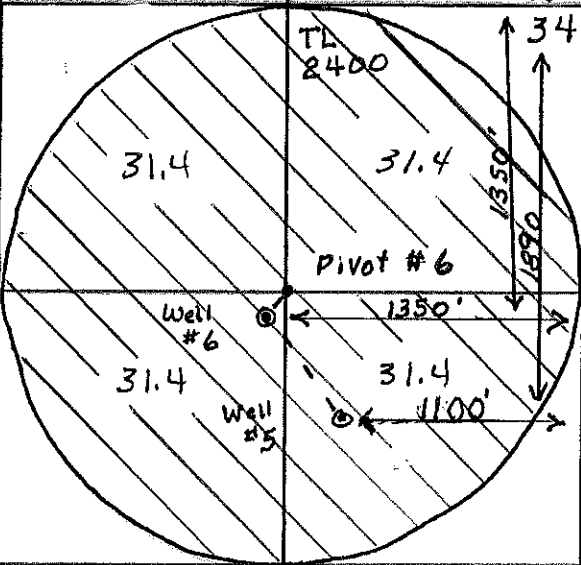
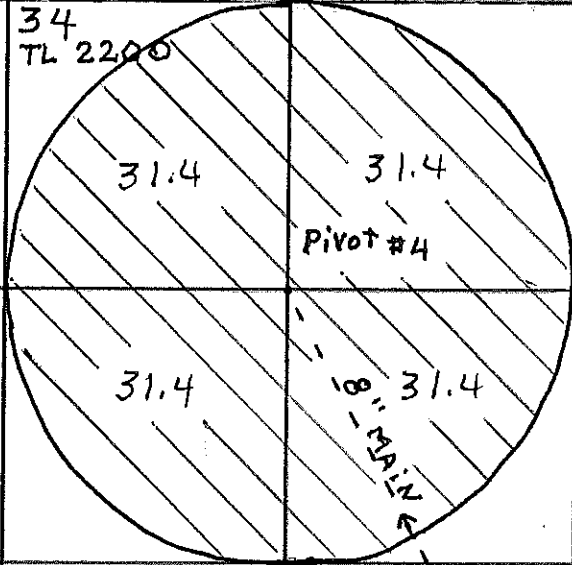
G-14628
G13539

28 27

33 34
TL 2200

27 26

34 35



8" MAIN

376.89

33 34

4 3

34 35

3 2

No. G14678

No. G13539

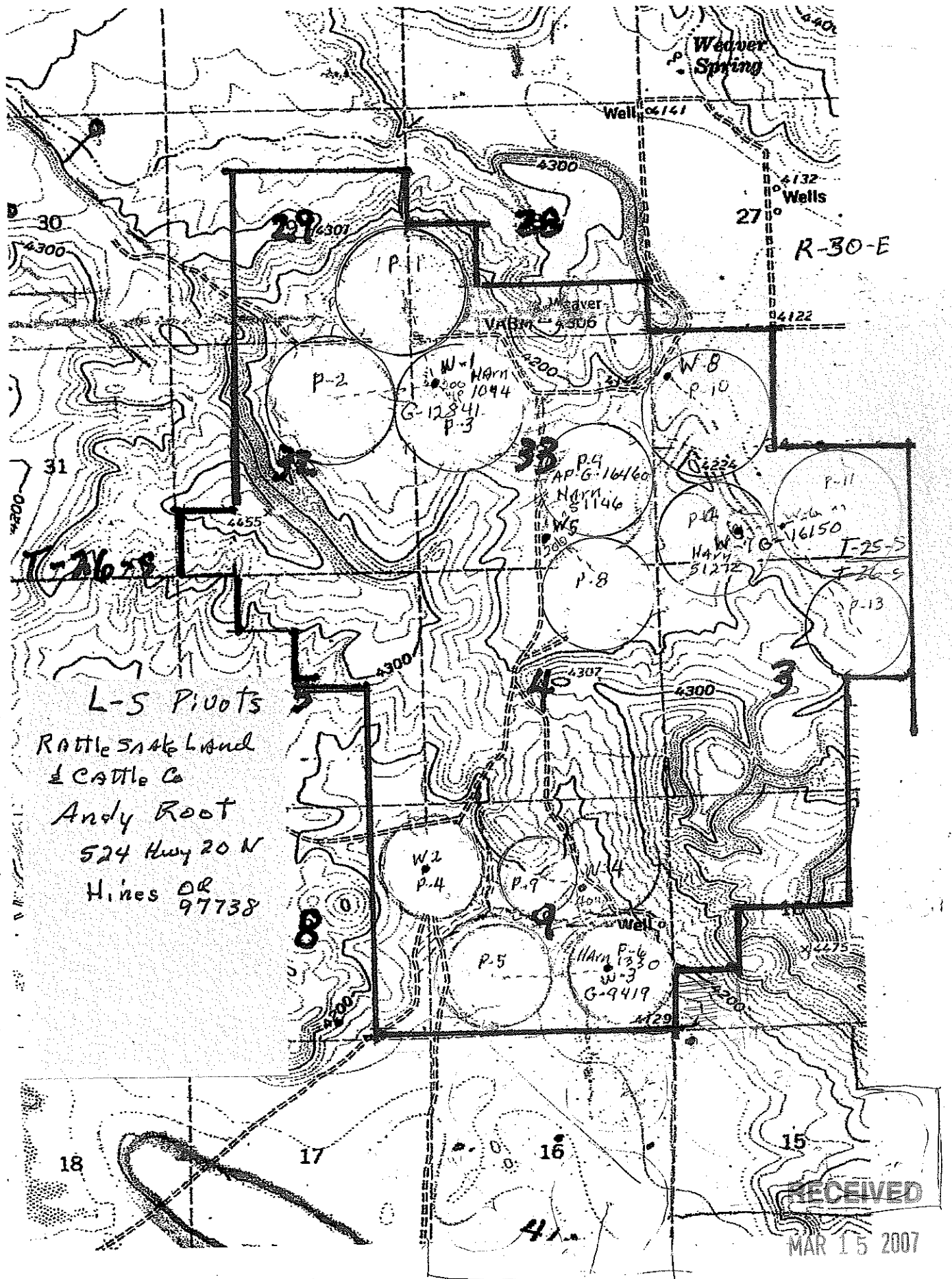


1" = 880'

RECEIVED

FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON



L-S Pivots
 Rattle Snake Land
 & Cattle Co
 Andy Root
 524 Hwy 20 N
 Hines OR
 97738

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MAR 15 2007

WATER RESOURCES DEPT
 SALEM, OREGON

@ windmill
L-35539
991792

L-35539 Windmill by barn

RECEIVED

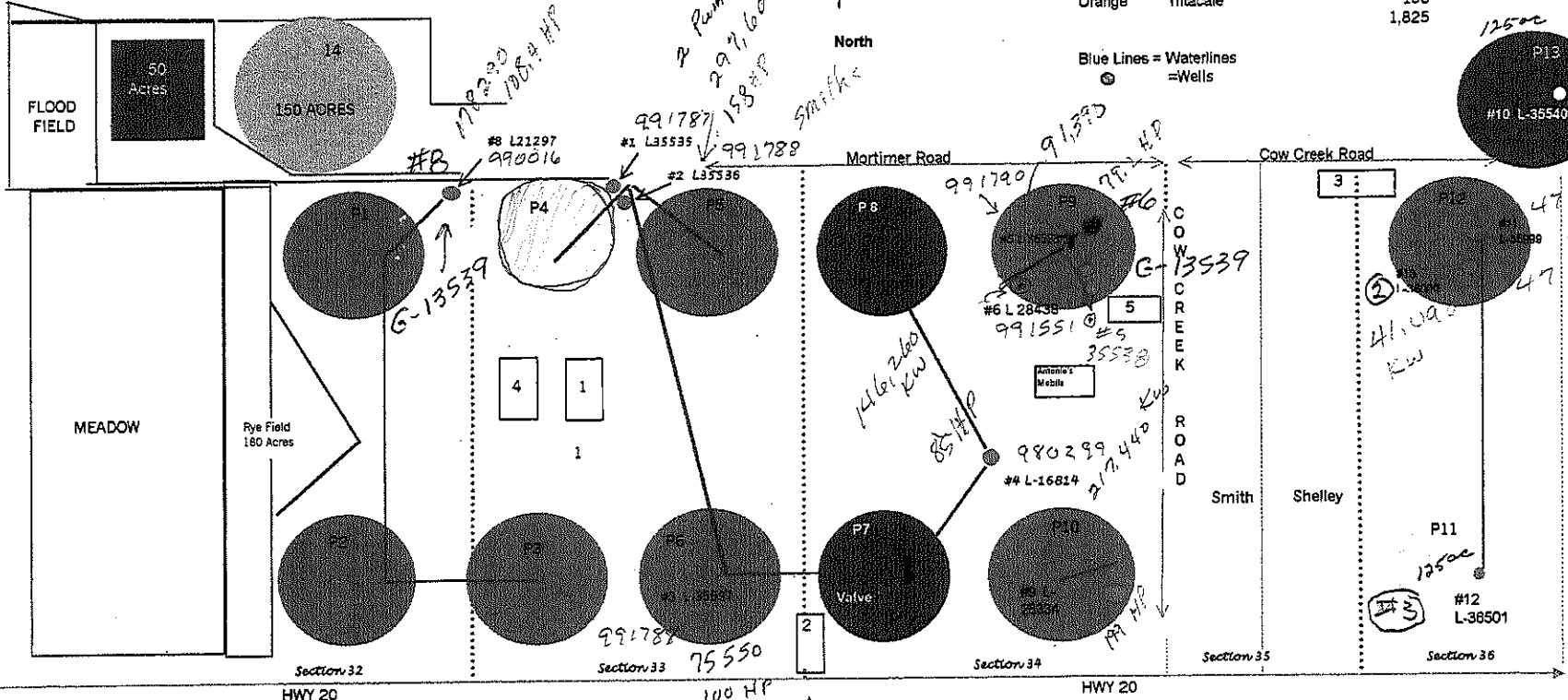
MAR 15 2007

WATER RESOURCES DEPT
SALEM, OREGON

Pivot Colors

Green =	Alfalfa	1,000
Blue	Grass/Alfalfa	425
Yellow	Oats	250
Orange	Triticale	150
		1,825

Blue Lines = Waterlines
● = Wells



All pivots are 125 acres,
except # 14 which is 150 acres.

125 ac
P13
#10 L-35540
KW
89,246
179,200

47 HP
60,770 KW
125 ac
#11
47 HP

40 HP
71,366
125 ac
#12
L-36501

#4
991780

41,000 KW

991790
79,140 KW
#6 L-28438
991551
35538
Antonio's Mobile

991789
75550
100 HP

#8 L21297
990016
#B
178,200
108,4 HP

991787
#1 L35535
991788
#2 L35536

North
↑
Smith's

COW CREEK ROAD

HWY 20

HWY 20

Kerry Road



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

March 27, 2013

ANDY ROOT
524 HWY 20 NORTH
HINES, OR 97738

RE: Application G-14678, Permit G-13539
Application G-14888, Permit G-13730

Dear Mr. Root,

The Department has received your letter indicating that the Claims of Beneficial Use (Claims), submitted on December 5, 2011, were submitted prematurely. Your letter indicated that you were withdrawing the Claims.

Enclosed are the original Claims submitted for the above referenced files and permits. The Department has retained copies of the original Claims, however due to your request; the Department will not consider the Claims as valid.

If you have any additional questions, please feel free to contact me at 503-986-0811.

Sincerely,

Gerry Clark
Water Rights Specialist
Certificates

cc: files
Scott Montgomery, CWRE

enclosures

Andy's
CUSTOM WORK

ACW, Inc. dba,



524 Hwy 20 North • Hines, Oregon 97738
Office: 541-573-3615 • Fax: 541-573-3419

March 21, 2013

Attn: Gerry Clark, Certificate Specialist
Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1266

SUBJECT: COBU Reports for Permits G-13539 & G-13730

Dear Mr. Clark:

I am contacting you to request the withdrawal of the Claim of Beneficial Use reports and map submitted by All Points Engineering and Surveying, Inc. "APES" for Permits G-13539 and G-13730.

The report was submitted before a well that I wish to be added to each permit was transferred. In January 2010, I attempted to amend these permits to add the well. However, I was informed that the "C-date" had expired and that I needed to first apply for an extension. The extension was applied for in March 2010, but wasn't approved until May 2011 with a new "C-date" of October the same year. This left me five months to re-apply and receive approval for the amendment.

APES began consulting for me in June 2011. The reports were submitted by APES soon after, without recognizing that amendments to add the new well to each permit hadn't been completed.

I plan to apply for another extension of time in order to amend these permits to add the new well. Once the well is amended to each permit, I will re-submit the COBU reports.

If you have any questions, please don't hesitate to call me or Scott Montgomery at 541-548-5833.

Sincerely,

Andy Root, Owner
PH: 541-573-3645

RECEIVED BY OWRD

MAR 25 2013

SALEM, OR



Oregon

John A. Kitzhaber, MD, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

December 9, 2011

Andy Root
HC 73 174 Harney Rd
Burns OR 97720

On December 5, 2011, the Water Resources Department received the Claim of Beneficial Use (COBU) for the following file(s):

Application G-14678 Permit G-13539
Application G-14888 Permit G-13730

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.

Your receipt is enclosed.

Route Slip.....Extension of Time Progress Report

1. Extension Specialist: Progress Report Review

WRIS) Date Report was Due: 10/1/2011 (= "Deadline Date" for the corresponding ECP work flow record in

Date Report Received: 9/30/2011

Report Complete: YES

NO – Send letter requesting missing information.

letter mailed on: _____

2. Support Staff: Publish on the Department's Public Notice

315 320 OAR Division under which Progress Report was required

Publish on Public Notice Date: 11-22-11

Update workflow in WRIS

(Fill in Extension Checkpoint 'Completed Date' in appropriate "ECP" work flow record and

add record for Checkpoint Public Notice ("EP2) *Begin date = Date Report was due*

~~add record for Check Point Received~~

Return file to Jerry Gainey.

3. Extension Specialist: Prepare Progress Report Confirmation Letter

See progress report procedures.doc

(date / mail out after 30 day comment period)

Date Confirmation Letter Needed: _____

Update Progress Report Worksheet.xls

Send to permit holder + anyone who made comments after 30 day public notice
CC: Watermaster _____

File _____

PUBLIC NOTICE INFORMATION

Permit Holder's Name: Andy Root Attn: _____

Application: G- 14678

Permit: G- 13539

County: Harney

Source: 8 Wells in the Rattlesnake Creek Basin

Use: Primary Irrigation of 1421.1 acres and supplemental irrigation of 166.8 acres



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

RECEIVED

SEP 30 2011

WATER RESOURCES DEPT
 SALEM, OREGON

**Extension of Time
 Progress Report Form
 For Checkpoints**

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: Andy Root

Application G-14678
 Permit G-13539

Report Due no later than October 1, 2011

Progress Report Form for 2011

As authorized in ORS 690-315-0050(6), this progress report is required in order to ensure diligence is exercised in the development and perfections of Permit G-13539

INSERT DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between October 1, 2002 and October 1, 2011	FINANCIAL INVESTMENT
6-8-08	REPLACED PIVOT #9	76,067.95
11-4-08	REPLACED PIVOT #6	71,914.88
5-3-10	NEW, ENERGY EFFICIENT SPRINKLER PKGS PIVOT #s 4&5	8,713.50
7-19-11	HIRED SCOTT MONTGOMERY OF ALL POINTS ENGINEERING TO FILE CLAIM OF BENEFICIAL USE & FINAL PROOF MAP AND ACQUIRE A PERMIT AMENDMENT	0.00

(FINANCIAL INVESTMENT ~~to~~ UNTIL THE WORK IS COMPLETED)

2. **Compliance with terms and conditions of the permit and/or previous extension.**

THE PLACES OF USE HAVE BEEN IRRIGATED FOR 12 YEARS. CONSTRUCTION OF THE ENTIRE IRRIGATION SYSTEM BEGAN IN 1987, AND WAS COMPLETED IN 2000. REPORTS OF ANNUAL VOLUME USE HAVE BEEN SUBMITTED FOR THE 2009 AND 2010 SEASONS.

3. **Total number of acres irrigated to date =** 1,421.1 (if applicable)

4. **Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, made to date.**

Maximum rate used to date = 16.81 cfs (cubic feet per second), or

Maximum rate used to date = _____ gpm (gallons per minute), or

Acre-Foot stored to date = _____ AF

Report the rate in the same units of measurement as specified in the permit, being cfs (cubic feet per second), gpm (gallons per minute) or AF (acre-feet). Do not provide daily, monthly or annual water volume totals.

Signature

Date

9-27-11

For OWRD use only

Diligence Shown Yes No

Date Public Noticed: _____

Reviewed by: _____

Date: _____

Mailing List for Extension PFO Copies

PFO Date: January 18, 2011

**Application G-14678
Permit G-13539**

Copies Mailed

By: 
On: 1/18/11

Original mailed to Applicant:

Andy Root
424 Hwy 20N
Hines, OR 97738

Copies sent to:

1. WRD - App. File G-14678/ Permit G-13539
2. WRD - Watermaster District 10, Tony Rutherford

Fee paid as specified under ORS 536.050 to receive copy:

3. None

Receiving via e-mail (10 AM Tuesday of signature date)

4. None

CASEWORKER: MCS

Jerry Gainey

From: Jane Shelley [shelleyj@acwinc.net]
Sent: Thursday, December 30, 2010 12:45 PM
To: Jerry Gainey
Subject: Permit extensions

12/30/10

Jerry:

Regarding File G-14678(Permit G-13539) & File G-14888 (Permit G-13730) please do extend till October 1, 2011 as per your conversation with Bill Beal this a.m. Bill takes care of most of the Water Resource issues we have.

Thank you and if you have any questions please call.

Jane Shelley
Secretary
Andy Root/ACW Inc.



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department
North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

May 4, 2010

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-14678 (PERMIT#: G-13539)**. 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".

2001



Oregon Water Resources Department
 October 2001 through September 2002
 Annual Water Use - Monthly Quantities Form

USER-ID _____

2002



Not required

Facility  POD-ID 	#9	#10	11 12 13		
	48473	48104			
October - 2001					
November - 2001					
December - 2001					
January - 2002					
February - 2002					
March - 2002					
April - 2002	36 AF				
May - 2002	36				
June - 2002	36				
July - 2002	36				
August - 2002	36				
September - 2002	36				
TOTAL *	216 AF	200	716		

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____ . If use is irrigation, total number acres irrigated _____
 I certify this information is true and accurate to the best of my knowledge.

 Signature Title Reporting Entity Date

 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
 158 12th Street NE; Salem, OR 97301-4172

2001

Oregon Water Resources Department
 October 2001 through September 2002
 Annual Water Use - Monthly Quantities Form

USER-ID 28096-116

2002



Facility <input type="checkbox"/> POD-ID <input type="checkbox"/>	#1273 47870	4 47873	5+6 47874	#7 47876	8 47877
October - 2001					
November - 2001					
December - 2001					
January - 2002					
February - 2002					
March - 2002					
April - 2002	200 AF	52 AF	57 AF	0	290 AF
May - 2002	200	52	57		295
June - 2002	200	52	57		295
July - 2002	200	52	57		295
August - 2002	200	52	57		295
September - 2002	150	52	57		290
TOTAL *	1150 AF	313 AF	342 AF	0	1761 AF

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____ . If use is irrigation, total number acres irrigated _____
 I certify this information is true and accurate to the best of my knowledge.

 Signature Title Reporting Entity Date

 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
 158 12th Street NE; Salem, OR 97301-4172

2001

Oregon Water Resources Department
 October 2001 through September 2002
 Annual Water Use - Monthly Quantities Form

2000

USER-ID

28096-M6

2002



Facility <input type="checkbox"/>	1+2	3	4	5+6	8	9
POD-ID <input type="checkbox"/>	47870	47872	47873	47874	47877	48473
October - 2001						
November - 2001						
December - 2001						
January - 2002						
February - 2002						
March - 2002						
April - 2002	185	72	113	38	365	36
May - 2002	185	72	113	38	365	
June - 2002	185	72	113	38	365	
July - 2002	185	72	113	38	365	
August - 2002	185	72	113	38	365	
September - 2002	184	72	113	38	365	
TOTAL *	1109	433	678	228	2192	216

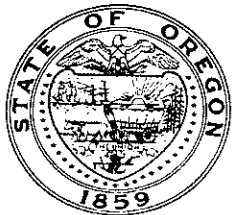
* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____ . If use is irrigation, total number acres irrigated _____
 I certify this information is true and accurate to the best of my knowledge.

 Signature Title Reporting Entity Date

 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
 158 12th Street NE; Salem, OR 97301-4172



613539 App 614678
 13730 614888 USER-ID 28096

2000

Oregon Water Resources Department
 October 1999 through September 2000
 Annual Water Use - Monthly Quantities Form

2001



Facility POD-ID	Wells 1,2+3	Well 4	Well 5	Well 8	Well 9 IR
	47870 ^{ic}	47873 ^{ic}	47874 ^{ic}	47877 ^{ic}	48473
October - 2000					
November - 2000					
December - 2000					
January - 2001					
February - 2001					
March - 2001					
April - 2001	8.6 AF			11.4 AF	
May - 2001	255	174 AF	83.6 AF	436.2	74.1 AF
June - 2001	292	110	61.1	218.4	58.6
July - 2001	228	162	69.2	223.8	51.0
August - 2001	238	161	81.9	312	79.2
September - 2001	34.3	34	11.5	58.8	30.5
TOTAL *					

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

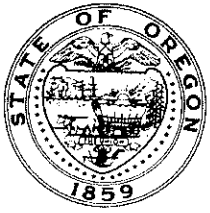
Describe method of measuring the water used: _____ . If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

 Signature Title Reporting Entity Date

 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
 158 12th Street NE; Salem, OR 97310-0210



2000

Permit G 13539 App 6 14678
13730 App 6 14888
Oregon Water Resources Department
October 2000 through September 2001
Annual Water Use - Monthly Quantities Form
G 13602 App 6 14743

USER-ID 280916

2001



Andy Root PO box 946, Burns OR 97720

Facility <input type="checkbox"/>					
POD-ID <input type="checkbox"/>					
October - 2000					
November - 2000					
December - 2000	SEE ATTACHED PERMITS				
January - 2001					
February - 2001					
March - 2001					
April - 2001					
May - 2001					
June - 2001					
July - 2001					
August - 2001					
September - 2001					
TOTAL *					

RECEIVED
JAN 31 2002
WATER RESOURCES DEPT.
SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____ If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

Andy Root
Signature Title

Reporting Entity

Date 1/29/02

Andy Root

USER ID #28096

POD-1D

L-35535 L-35536

Wells # 1 & 2 → 304,240 Kwh G-13539 Pivots 4, 5 & 6

47870

L-35537

3

→ 91,990 Kwh

375 acres

396,230 Kwh

258 Combines HP.

x .75 basic Kwh/HP if meter is correct

193.5

$$\frac{396,230 \text{ Kwh}}{193.5} = \frac{2047.7}{24 \text{ hrs}} = 85.3 \text{ days}$$

$$\frac{2800 \text{ GPM}}{450 \text{ GPM} = 1 \text{ CFS}} = 6.25 \text{ CFS} \times 2 = 12.5 \text{ ac ft/day}$$

$$12.5 \text{ ac ft/day} \times 85.3 \text{ days} = \frac{1067 \text{ ac ft/yr}}{375 \text{ acres}} = 2.85 \text{ ac ft/ac/2001}$$

47873 L-16814 Well # 4 → 134,110 Kwh G-14678 Pivots 7 & 8

85 HP

250 acres

$$\frac{x .75}{63.75} \frac{134,110}{63.75} = \frac{2103.6 \text{ hrs}}{24} = 87.6 \text{ days}$$

$$\frac{1650 \text{ GPM}}{450} = 3.67 = 7.34 \text{ ac ft/day}$$

$$87.6 \text{ days} \times 7.34 \text{ ac ft/day} = \frac{642.4 \text{ ac ft}}{250 \text{ ac}} = 2.57 \text{ ac ft/ac/2001}$$

47874 L-35538 L-28438 Wells 5 & 6 → 116,160 Kwh G-14678 Pivot 9

79.2 hp

125 acres

$$\frac{x .75}{59.4 \text{ Kwh/hr}} \frac{116,160}{59.4} = \frac{1955.6}{24} = 81.5 \text{ days}$$

$$\frac{850 \text{ GPM}}{450} = 1.89 \text{ CFS} = 3.78 \text{ ac ft/day}$$

$$81.5 \text{ days} \times 3.78 \text{ ac ft/day} = \frac{308.1 \text{ ac ft}}{125 \text{ ac}} = 2.47 \text{ ac ft/ac/2001}$$

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WATER RESOURCES DEPT.
SALEM, OREGON

June
July
Aug

Andy Root

User ID# 28096

47877

L-35535

Well # 8 → 156,890 Kwh

G-14888
G-14678
G-13730

Pivots 1,2,3,14
575 acres

108.4 hp

$\frac{108.4 \times 75}{81.3} \text{ basic kw/hp} = \frac{156,890}{81.3} = \frac{1929.8}{24 \text{ hr}} = 80.4 \text{ days}$

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$\frac{3600 \text{ GPM}}{450 \text{ GPM} = 1 \text{ CFS}} = 8.0 \text{ CFS} = 16 \text{ acft/day}$

$80.4 \text{ days} \times 16 \text{ acft/day} = \frac{1286.4 \text{ acft}}{575 \text{ acres}} = 2.24 \text{ acft/acre/2001}$

L-28334

Well # 9 → 266,840 Kwh

G-14888
G-13730

Pivot # 10

125 acres

48473

199 hp

x 75

149.3 kw/hr

$\frac{266,840}{149.3} = \frac{1787.3}{24} = 74.5 \text{ days}$

$\frac{900 \text{ GPM}}{450 \text{ GPM} = 1 \text{ CFS}} = 2.0 \text{ CFS} = 4 \text{ acft/day}$

$74.5 \text{ days} \times 4 \text{ acft/day} = \frac{298}{125} = 2.4 \text{ acft/acre/2001}$

L-35540

Well # 10 → 101,720 Kwh

AP.
G-14743
G-13602

Pivot # 13

113.2 acres

79.2 hp

x 75
59.4

$\frac{101,720}{59.4} = \frac{1712.5}{24} = 71.4 \text{ days}$

$\frac{900 \text{ GPM}}{450 \text{ GPM} = 1 \text{ CFS}} = 2 \text{ CFS} = 4 \text{ acft/day}$

$71.4 \text{ days} \times 4 \text{ acft/day} = \frac{285.6}{113.2 \text{ ac}} = 2.5 \text{ acft/acre/2001}$

Andy Root

User ID# 28096

L-36501

Well #11 71,420 Kwh

Pivots 11 & 12

47 hp

250 ac

$$\frac{.75}{35.25} \quad \frac{71,420 \text{ Kwh}}{35.25} = \frac{2026.1 \text{ Kwh}}{24} = 84.4 \text{ days}$$

$$\frac{700 \text{ GPM}}{450} = 1.56 \text{ CFS} \times 2 = 3.12 \text{ acft/day}$$

$$84.4 \text{ days} \times 3.12 \text{ acft/day} = \frac{263.3}{250} = 1.05 \text{ acft/ac/2001}$$

Well #12 57,350 Kwh

40 hp

$$\frac{.75}{30.} \quad \frac{57,350}{30} = \frac{1911.7}{24} = 79.6 \text{ days}$$

$$\frac{400 \text{ GPM}}{450 \text{ GPM}} = .89 \text{ CFS} = 1.78 \text{ acft/day}$$

$$79.6 \text{ days} \times 1.78 \text{ acft/day} = \frac{141.7}{250} = .57 \text{ acft/ac/2001}$$

Well #13 72,270 Kwh

47

$$\frac{.75}{35.25} \quad \frac{72,270}{35.25} = \frac{2050.2}{24} = 85.4 \text{ days}$$

$$\frac{800 \text{ GPM}}{450 \text{ GPM}} = 1.78 \text{ CFS} \times 2 = 3.56 \text{ acft/day}$$

$$85.4 \text{ days} \times 3.56 \text{ acft/day} = \frac{304.0 \text{ acft}}{250} = 1.22 \text{ acft/ac/2001}$$

Well #11 1.05

Well #12 .57

Well #13 1.22

Combined

$$2.84 \text{ acft/ac/2001 on Pivots 11 & 12 250 ac.}$$

Used Killowatt hours and GPM for the Systems

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Date	hp	Meter #	KWH	\$ Amount	
05/03/01	158	16521890	3,240	\$145.80	
06/06/01	158	16521890	85,840	\$3,862.80	
07/05/01	158	16521890	77,120	\$3,470.40	Pivots # 4, 5, & 6
08/07/01	158	16521890	69,280	\$3,117.60	Wells #1 & 2
① 09/05/01	158	16521890	58,320	\$2,624.40	
10/04/01	158	16521890	9,320	\$419.40	
11/06/01	158	16521890	3,120	\$156.00	
06/06/01	79.2	16523846	31,610	\$1,422.45	Pivot #9
07/05/01	79.2	16523846	23,090	\$1,039.05	Wells #5 & 6
08/07/01	79.2	16523846	26,170	\$1,177.65	
② 09/05/01	79.2	16523846	30,950	\$1,392.75	
10/04/01	79.2	16523846	4,340	\$195.30	
06/06/01	85	76476661	36,400	\$1,638.00	Pivots 7 & 8
07/05/01	85	76476661	22,940	\$1,032.30	Well #4
08/07/01	85	76476661	33,950	\$1,527.75	
③ 09/05/01	85	76476661	33,680	\$1,515.60	
10/04/01	85	76476661	7,140	\$321.30	
06/06/01	40	84183259	18,890	\$850.05	Pivot #11
07/05/01	40	84183259	12,780	\$575.10	Well #12
④ 08/07/01	40	84183259	11,020	\$495.90	
09/05/01	40	84183259	8,450	\$380.25	
10/04/01	40	84183259	6,210	\$279.45	
06/06/01	47	84183261	18,950	\$852.75	Pivot #12
07/05/01	47	84183261	15,110	\$679.95	Well #13
⑤ 08/07/01	47	84183261	9,670	\$435.15	
09/05/01	47	84183261	20,590	\$926.55	
10/04/01	47	84183261	7,950	\$357.75	
06/06/01	47	84183262	21,140	\$951.30	Pivot #12
07/05/01	47	84183262	15,750	\$708.75	Well #11
08/07/01	47	84183262	9,970	\$448.65	
⑥ 09/05/01	47	84183262	20,590	\$926.55	
10/04/01	47	84183262	3,970	\$178.65	

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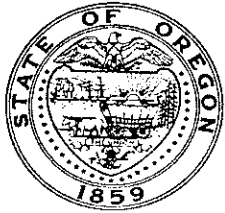
WATER RESOURCES DEPT.
SALEM, OREGON

Date	hp	Meter #	KWH	\$ Amount	
06/06/01	199	84213406	66,520	\$2,993.40	Pivot #10 Well #9
07/05/01	199	84213406	52,600	\$2,367.00	
08/07/01	199	84213406	45,720	\$2,057.40	
09/05/01	199	84213406	71,080	\$3,198.60	
10/04/01	199	84213406	27,360	\$1,231.20	
11/06/01	199	84213406	3,560	\$178.00	
05/03/01	79.2	95983507	1,970	\$88.65	Pivot #13 Well #10
06/06/01	79.2	95983507	32,890	\$1,480.05	
07/05/01	79.2	95983507	16,890	\$760.05	
08/07/01	79.2	95983507	19,230	\$865.35	
09/05/01	79.2	95983507	22,490	\$1,012.05	
10/04/01	79.2	95983507	8,250	\$371.25	
05/03/01	108.4	97131155	1,390	\$62.55	Pivot #1, 2, 3, & 14 Well #8
06/06/01	108.4	97131155	53,280	\$2,397.60	
07/05/01	108.4	97131155	26,680	\$1,200.60	
08/07/01	108.4	97131155	27,340	\$1,230.30	
09/05/01	108.4	97131155	38,120	\$1,715.40	
10/04/01	108.4	97131155	7,180	\$323.10	
11/06/01	108.4	97131155	2,800	\$140.00	
06/06/01	100	97214937	9,490	\$500.00	Pivot #4, 5, & 6 Well #3
07/05/01	100	97214937	32,090	\$1,371.10	
08/07/01	100	97214937	16,080	\$723.60	
09/05/01	100	97214937	30,830	\$1,387.35	
10/04/01	100	97214937	3,500	\$157.50	
			1,371,650	\$61,771.65	Totals

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SALEM, OREGON



Oregon Water Resources Department
 October 1999 through September 2000
 Annual Water Use - Monthly Quantities Form

USER-ID _____



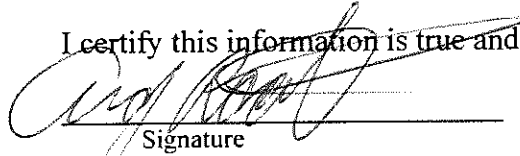
Facility <input type="checkbox"/>					
POD-ID <input type="checkbox"/>					
October - 1999	RECEIVED				
November - 1999	JUN 27 2001				
December - 1999	WATER RESOURCES DEPT. SALEM, OREGON.				
January - 2000					
February - 2000					
March - 2000					
April - 2000					
May - 2000					
June - 2000					
July - 2000					
August - 2000					
September - 2000					
TOTAL *					

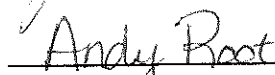
Attached for the
 See sheets for the
 the total for the
 year 2000

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: _____ . If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

 _____ Signature
 _____ Owner Title
 _____ Reporting Entity
 _____ Date 6/25/01


 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
 158 12th Street NE; Salem, OR 97310-0210

Water Resources Dept

158 12th ST N.E.

Salem OR 97310-0210

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JUN 27 2001

WATER RESOURCES DEPT.
SALEM, OREGON

Andy Root

User ID # 28096

P.O. Box 946

HC 73 174 HARVEY RD

Burns OR 97720

Water Use For Year 2000

Well #1 & #2 Permit G-13539 Pivots 4, 5, & 6

375 acres L-35535 - L35536

$$\frac{2400 \text{ G.P.M.}}{450 \text{ G.P.M.}} = 5.33 \text{ CFS} = 10.6 \text{ acft/day}$$

158 H.P.

.75 basic kw/HP if meter is accurate

$$118.5 \text{ Kw/hr} \frac{297,600 \text{ Total KwH for 2000}}{118.5} = \frac{2511.4 \text{ hrs}}{24} = 104.6 \text{ days}$$

$$104.6 \text{ days} \times 10.6 \text{ ac ft/day} = 1109.2 \text{ ac ft} = \frac{1109.2}{375 \text{ ac}} = 3.0 \text{ acft/ac}$$

Note These wells are plumbed to well # 3, 4 & 8 if needed.

Well #3 Permit G-13539 Pivots 4, 5 & 6

375 acres L-35537

$$\frac{2400 \text{ GPM}}{450 \text{ GPM}} = 5.33 \text{ CFS} = 10.6 \text{ acft/day}$$

100 HP

.75

$$75 \frac{73,550}{75} = \frac{980.7 \text{ hrs}}{24} = 40.9 \text{ days} \times 10.6 \text{ acft/day} = 433.5 \text{ acft}$$

$$\frac{433.5 \text{ acft}}{375 \text{ acres}} = 1.16 \text{ acft/ac}$$

Note This well is plumbed to wells #1, 2, 4 & 8 if needed

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P-2 of 4

JUN 27 2001

WATER RESOURCES DEPT.
SALEM, OREGON

Well #4 Permit G-14678 Pivots #7 & 8

250 acres L-16814

$$\frac{1600 \text{ GPM}}{450} = 3.56 \text{ CFS} = 7.1 \text{ ac ft/day}$$

$$\frac{85 \text{ HP}}{.75} \quad \frac{146,260 \text{ Kwh}}{63.8} = \frac{2292.5}{24} = 95.5 \text{ days} \times 7.1 = 678.2 \text{ ac ft}$$

63.8 Kw/hr

$$678.2 \text{ ac ft} \div 250 \text{ ac} = 2.7 \text{ ac ft/ac}$$

Well # 5 & 6 Permit G-14678 Pivot # 9

125 acres L-35538 - L-28438

$$\frac{800 \text{ GPM}}{450} = 1.78 \text{ CFS} = 3.56 \text{ ac ft/day}$$

$$\frac{79.2 \text{ HP}}{.75} \quad \frac{91,390 \text{ KW}}{59.4} = \frac{1538.5 \text{ hrs}}{24} = 64 \text{ days} \times 3.56 = 228.2 \text{ ac ft}$$

59.4 Kw/hr

$$228.2 \text{ ac ft} \div 125 = 1.83 \text{ ac ft/ac}$$

Well # 8 G-14888 Pivots #1, 2, 3, 14 Rye field
G-14678-
G-13730 L-35535
1113 ac

$$\frac{3600 \text{ GPM}}{450} = 8.0 \text{ CFS} = 16 \text{ ac ft/day}$$

108.4 H.P.

$$\frac{.75}{.75} \quad \frac{178,290}{54.2} = \frac{3289.5 \text{ hrs}}{24} = 137 \text{ days} \times 16 = 2192 \text{ ac ft}$$

$$2192 \text{ ac ft} \div 1113 = 2.0 \text{ ac ft/ac}$$

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P. 3 of 4

JUN 27 2001

WATER RESOURCES DEPT.
SALEM, OREGON

Well #9 Permit G-14888 P. 1 of # 10
G-13730
L-28334

125 acres

$$\frac{800 \text{ GPM}}{450} = 1.78 \text{ CFS} = 3.56 \text{ ac ft/day}$$

$$\frac{199 \text{ HP}}{.75}$$

$$149.3 \text{ KwH/hr} \quad \frac{217,440 \text{ KwH}}{149.3} = \frac{1456.4 \text{ hrs}}{24} = 60.7 \text{ days} \times 3.56 = 216 \text{ ac ft}$$

$$216 \text{ ac ft} \div 125 = \textcircled{1.73 \text{ ac ft/ac}}$$

Well #10

Pivot # 13

125 acres L-35540

$$\frac{800 \text{ GPM}}{450} = 1.78 \text{ CFS} = 3.56 \text{ ac ft/day}$$

$$\frac{179.2 \text{ HP}}{.75}$$

$$59.4 \text{ KwH/hr} \quad \frac{89,340}{59.4} = \frac{1504}{24} = 62.7 \text{ days} \times 3.56 = 223.1 \text{ ac ft}$$

$$223.1 \text{ ac ft} \div 125 \text{ acres} = \textcircled{1.78 \text{ ac ft/ac}}$$

Well #11

Pivot # 11 & 12

250 acres L-35999

$$\frac{1600 \text{ GPM}}{450 \text{ CFS}} = 3.56 \text{ CFS} = 7.1 \text{ ac ft/day}$$

$$\frac{40 \text{ HP}}{.75}$$

$$30 \text{ Kw/hr} \quad \frac{56,770}{30} = \frac{1892.3 \text{ hrs}}{24} = 78.8 \text{ days} \times 7.1 = 559.5 \text{ ac ft}$$

$$559.5 \text{ ac ft} \div 250 = \textcircled{2.23 \text{ ac ft/ac}}$$

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P-4 of 4

JUN 27 2001

WATER RESOURCES DEPT.
SALEM, OREGON

Well # 12

Pivot # 11 & 12

250 acres

L-36501

$$\frac{1600 \text{ GPM}}{450} = 3.56 \text{ CFS} = 7.1 \text{ acft/day}$$

40 HP
1.75

$$30 \text{ Kw/hr} \quad \frac{71,360 \text{ KWH}}{30} = \frac{2378.7 \text{ hrs}}{24} = 99.1 \text{ days} \times 7.1 \text{ acft/day} = 703.6 \text{ acft}$$

$$703.6 \text{ acft} \div 250 \text{ acres} = \textcircled{2.8 \text{ acft/acre}}$$

Well # 13

Pivot # 11 & 12

250 acres

L-36000

$$\frac{1600 \text{ GPM}}{450} = 3.56 \text{ CFS} = 7.1 \text{ acft/day}$$

47 HP
x.75

$$35.25 \quad \frac{41,490 \text{ Kwhr}}{35.25} = \frac{1177 \text{ hrs}}{24} = 49.04 \text{ days} \times 7.1 \text{ acft/day} = 348.2 \text{ acft}$$

$$348.2 \text{ acft} \div 250 \text{ acres} = \textcircled{1.4 \text{ acft/acre}}$$

used Kilowatts used And Gallons required To Run Pivots

Andy Root
Signature

Owner
Title

6/25/01
Date

Andy Root
Printed Name

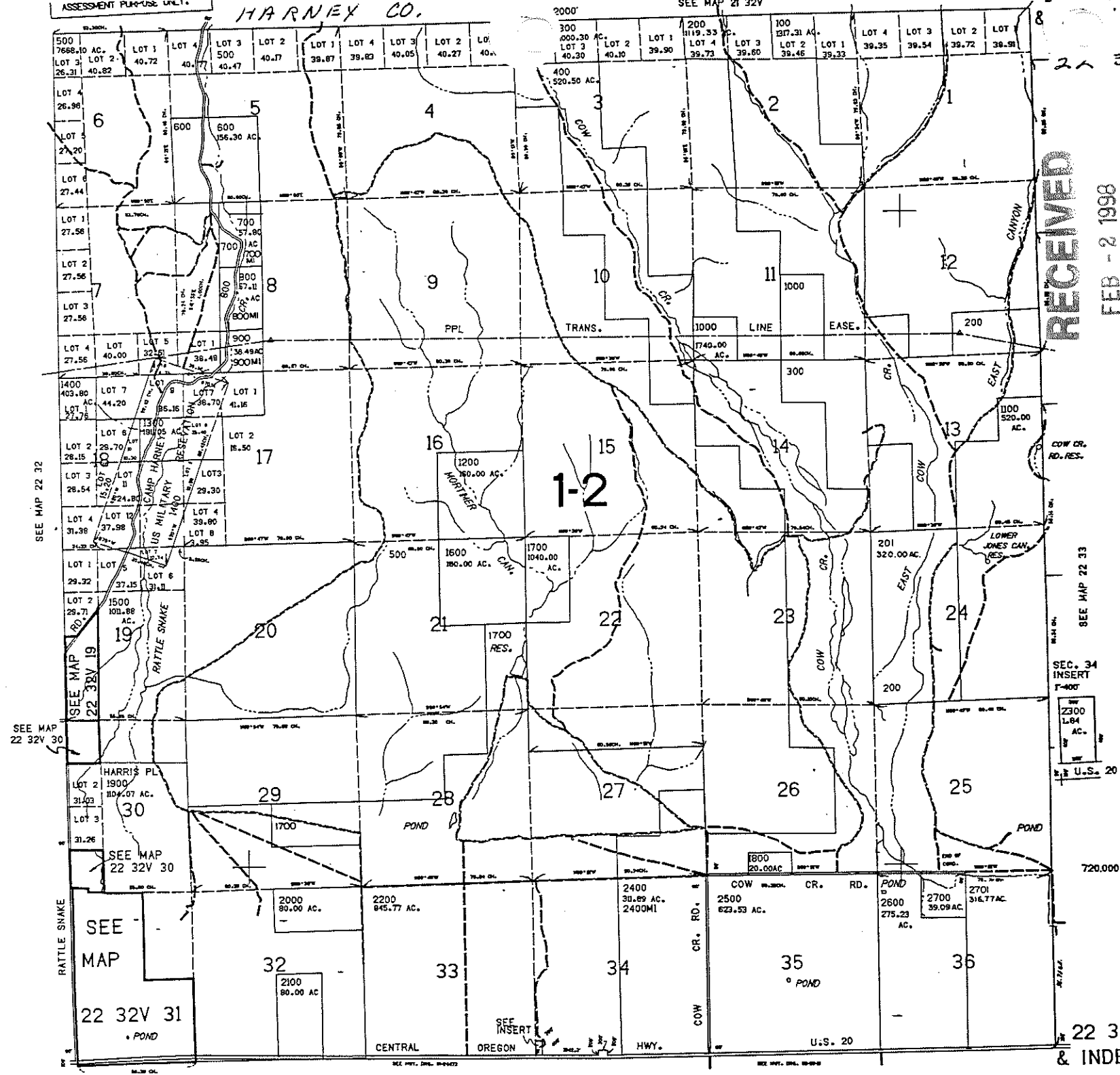
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FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON

SCALE 1:10000

2000' 0 2000' 1000'
0 1000' 500' 250'
0 1000' 500' 250'
0 1000' 500' 250'



SEE MAP 22 32

SEE MAP 22 32V 19

SEE MAP 22 32V 30

SEE MAP 22 32V 30

SEE MAP

22 32V 31

SEE INSERT

SEE MAP 22 33

SEC. 34 INSERT 1-400'

2300 L.64 AC.

U.S. 20

720.000

22 32V & INDEX

Oregon Water Resources Department
RECEIVED Water Rights Division

Water Rights Application
Number G-14678

OCT 23 1998

Final Order

WATER RESOURCES DEPT.
SALEM, OREGON

Application History

On February 2, 1998, ANDY ROOT submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on July 21, 1998. The protest period closed September 4, 1998, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest, but the Department's continuing evaluation reveals that the Proposed Final Order requires modification to correctly describe period of allowed use. The applicant, according to Form I submitted with the application, requested a period of use of March 1 through September 30. The period of use identified on the draft permit attached to the Proposed Final Order was April 1 through September 30. Also, the attached draft permit has been modified to correctly describe the coordinates to the location of Well #7. The 5.0 acres located in the NW 1/4 of the SW 1/4, Section 32, on the application map were not included in the draft permit attached to the Proposed Final Order. These acres have been added into the attached draft permit.

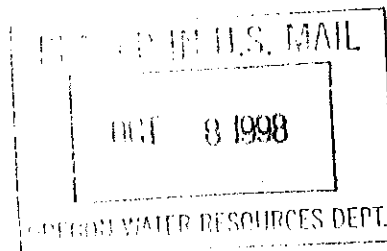
Order

Upon payment of outstanding permit recording fees, Application G-14678 shall be approved as proposed by the Proposed Final Order and as provided on the attached draft permit.

Permit recording fees are required in the amount of \$175.00. Said fees are due and payable no later than 60 days from the date of this Final Order. Failure to pay the required permit recording fees within 60 days from the date of this Final Order will result in the proposed rejection of Application G-14678.

DATED September 30, 1998

Daight French for
Martha O. Pagel, Director



Hearing and Appeal Rights

Under the provisions of ORS 537.170 and ORS 537.622, the applicant may request a contested case hearing by submitting the information required for a protest under ORS 537.153(6) or ORS 537.621(7) to the Department within 14 days after the date of mailing of this order as shown below. If a contested case hearing is requested, the Department must schedule one. In the contested case hearing, however, only those issues based on the above modifications to the proposed final order may be addressed.

TO: Water Rights Section

February 18, 1998.

FROM: Groundwater/Hydrology Section Michael Zwart
Reviewer's Name

SUBJECT: Application G-14678

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. ___ will, or have the potential for substantial interference with the nearest
 - b. ___ will not surface water source, namely _____; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 7B;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. ___ will, or likely be available in the amounts requested without injury to prior rights
 - b. ___ will not and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7A;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
4.
 - a. ___ THE PERMIT should allow groundwater production from no deeper than ___ ft. below land surface;
 - b. ___ The permit should allow groundwater production from no shallower than ___ ft. below land surface;
 - c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: G-14678
 _____ some of the well
 _____ logs are missing
 _____ from grid.

 _____ consideration

T-11803

14678

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Groundwater files Date: February 18, 1998
From: Michael J. Zwart
Subject: Application Review: G-14678, Andy Root

This application proposes to use about 19.7 cfs from eight wells for primary irrigation of 1441.1 acres and supplemental irrigation of 134.5 acres. Wells #1 to #7 are existing, but #2 and #5 reportedly do not have well logs on file. Well #8 is proposed to be drilled in 1998. Well #1 is HARN 1879; Well #4 is HARN 50241; other logs in the file could not be retrieved by GRID. The wells are reportedly completed to depths of 425 to 750 feet and penetrate a confined aquifer developed in either sands and gravels or pumice and conglomerate (#4), both of which appear to be confined below thick clay beds.

The aquifer penetrated is not in hydraulic connection with nearby surface water sources. There is no potential for substantial interference, based on the confined aquifer penetrated.

I recommend permit conditions 7A and 7B.

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ## G-14678

ROUTED TO: Water Rights

TOWNSHIP/
RANGE-SECTION: 22S/32E

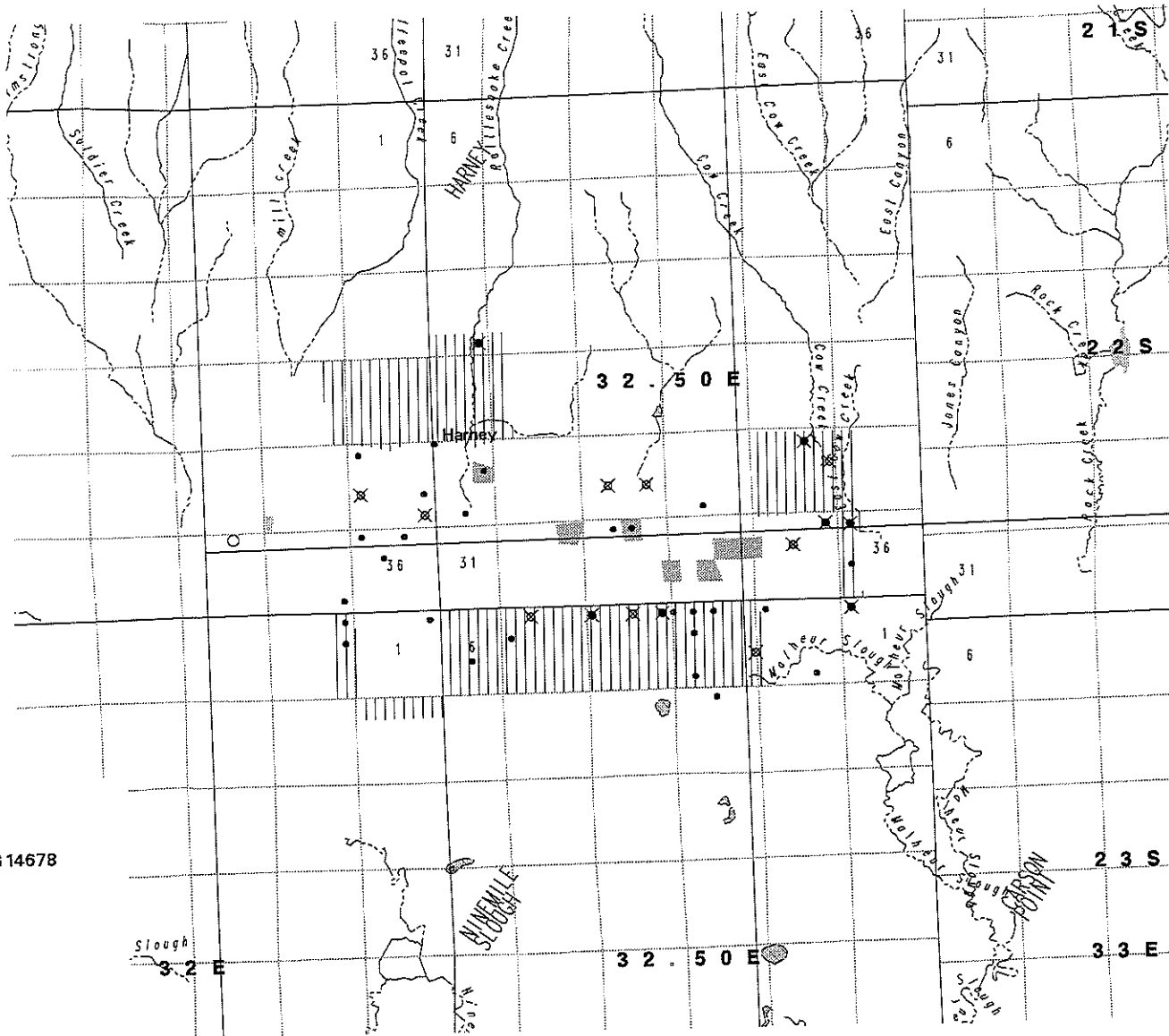
CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Michael Zwart

Wells in the vicinity of application G 14678

- ▨ Application well(s) in this 1/4-1/4 section
- Well(s) identified in this section from OWRD's well log database within 1 mi. radius of application well(s)
- Well(s) identified in this 1/4-1/4 section from OWRD's well log database within 1 mi. radius of application well(s)
- ⊗ Permitted well(s) in this 1/4-1/4 section within 1 mi. radius of application well(s)
- Conditioned, permitted well(s) in this 1/4-1/4 section within 5 mi. radius of application well(s)
- ▲ OWRD Observation well and well-id within 5 mi. radius of application well(s)
- Critical GW Area
- - - Regulated GW Area



WELLS WITHIN 1 MILE OF G 14678

DO	24
DS	1
IR	19
LV	3

PERMITTED WELLS WITHIN 1 MILE OF APPLICATION G 14678

\$RECNO	APPLICATION	PERMIT	LOC-QQ	USE	RATE	DIV-UNITS
1	G	11672	G 10904	22.00S32.50E18SWSE	IC	150.0000 G
2	G	10114	G 9200	22.00S32.50E26NWNE	IS	0.7850 C
3	G	8434	G 7988	22.00S32.50E26SENE	IS	0.5200 C
4	G	6708	G 6250	22.00S32.50E28NWSE	IS	0.3100 C
5	G	8271	G 7692	22.00S32.50E28NWSW	IS	0.4200 C
6	G	8272	G 7693	22.00S32.50E35NENE	IR	0.1600 C
6	G	8272	G 7693	22.00S32.50E35NENE	IS	0.8400 C
7	G	8573	G 7920	22.00S32.50E36NWNW	IC	0.9300 C
8	G	8273	G 7694	22.00S32.50E35SENE	IR	2.3400 C
8	G	12425	G 11240	22.00S32.50E35SENE	IS	2.6400 C
9	G	7628	G 7144	22.00S32.00E25NWSW	IR	0.0600 C
9	G	14090	G 12716	22.00S32.00E25NWSW	IR	1.1600 C
9	G	14090	G 12716	22.00S32.00E25NWSW	IS	0.8400 C
10	G	12169	G 12490	22.00S32.00E25SESE	IR	0.0600 C
10	G	12169	G 12490	22.00S32.00E25SESE	IS	0.4400 C
11	G	2611	G 2451	23.00S32.50E 1NWNW	IS	0.7800 C
12	G	10087	G 9199	23.00S32.50E 4NWNE	IR	0.7000 C
13	G	8880	G 8430	23.00S32.50E 4NENW	IR	0.5000 C
14	G	9215	G 8597	23.00S32.50E 5NENE	IR	0.4800 C
15	G	8904	G 8310	23.00S32.50E 5NWNW	IS	0.5200 C
16	G	8128	G 7639	23.00S32.50E 3NESE	IR	0.9000 C

CONDITIONED WELLS WITHIN 5 MILES OF APPLICATION G 14678

\$RECNO	APPLICATION	PERMIT	LOC-QQ	CONDITION-CODE
1	G	13702	G 12067	22.00S32.00E34NWNE 4IG
1	G	13702	G 12067	22.00S32.00E34NWNE 4IR

APPLICATION G 14678 FALLS WITHIN THESE QUAD(S)

HARNEY

CARSON POINT

NINEMILE SLOUG

**OREGON WATER RESOURCES DEPARTMENT
INTEROFFICE MEMO**

To: Groundwater files

Date: February 18, 1998

From: Michael J. Zwart

Subject: Application Review: G-14678, Andy Root

This application proposes to use about 19.7 cfs from eight wells for primary irrigation of 1441.1 acres and supplemental irrigation of 134.5 acres. Wells #1 to #7 are existing, but #2 and #5 reportedly do not have well logs on file. Well #8 is proposed to be drilled in 1998. Well #1 is HARN 1879; Well #4 is HARN 50241; other logs in the file could not be retrieved by GRID. The wells are reportedly completed to depths of 425 to 750 feet and penetrate a confined aquifer developed in either sands and gravels or pumice and conglomerate (#4), both of which appear to be confined below thick clay beds.

The aquifer penetrated is not in hydraulic connection with nearby surface water sources. There is no potential for substantial interference, based on the confined aquifer penetrated.

I recommend permit conditions 7A and 7B.



No. G-14678

Oregon Water Resources Department

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WATER RESOURCES DEPT. SALEM, OREGON

FORM I FOR IRRIGATION WATER USE

1. Please indicate whether you are requesting a primary or supplemental irrigation water right.

[x] Primary [x] Supplemental

If supplemental, please indicate the number of acres that will be irrigated for each type of use.

Primary: 1441.1 Acres

Secondary: 134.5 Acres

List the permit or certificate number of the primary water right: P-18514 no. C-19922

2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or partial season:

- 1. ALFALFA [x] Full season [] Partial season (from: 3 to 9)
2. Pasture [x] Full season [] Partial season (from: 3 to 9)
3. Grain [] Full season [x] Partial season (from: 5 to 8)
4. [] Full season [] Partial season (from: to)

3. Indicate the maximum total number of acre-feet you expect to use in an irrigation season:

3100 acre-feet

(1 acre-foot equals 12 inches of water spread over one acre, or 43,560 cubic feet, or 325,851 gallons.)

4. How will you schedule your applications of water? Will you be applying water in the evenings, twice a week, daily?

[x] Daily during daytime hours [] Daily during nighttime hours

[x] Two or three times weekly during daytime [x] Two or three times weekly during nighttime

[] Weekly, during daytime hours [] Weekly, during nighttime hours

[x] Other, explain: when the crops require water - will rotate between crops

FO CHECKLIST

FILE # 6-14678
 PFO WEEK # 156

PFO TO FO CONVERSION

REVIEW DATE: 9/18/98
 INITIALS: LKS

In preparing to create the FO, you should check the following:

1. N Were comments or protests received? If so, from whom and when?
2. On the PFO CC list, verify names and addresses of ALL commentors (regardless of comment date), affected landowners, and those who paid the \$10 fee.
3. NA Have affected landowners been notified?
4. N Is the file lacking a signed oath of accuracy for the application?
5. NA Has ODFW asked for self certification of screening condition? If so, write "ODFW CERT" in the permit blank on the front of the file.
6. N Is water use prohibited for one or more months of the normal use period?
7. N If # 6 = "Y", is short season letter on file? Note: If short season letter is lacking, see Item #10 below. Give applicant 60 days to submit required information.
8. 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
9. N Is further processing possible? If not state reason: _____
10. _____ Notify applicant of additional information or fees required prior to permit issuance. (SEND CERTIFIED LETTER & use standard wording from M:\...\FO\TOOLS if possible)
11. _____ Assign permit numbers to files with oath, fees, and no protests or other issues
12. N Do the PFO conclusions requires modification? Why? Form I requests March -> Sept.
 (If YES, circle FOMOD and one other type below)

$$\begin{array}{r} 250 \\ 180 \\ \hline 1200 \\ 1600 - \text{exam paid} \\ 175 - \text{rec. used} \end{array}$$

FO Type: (circle types)	DENIAL	<u>FO w/o PERMIT</u>	FO & PERMIT	<u>FOMOD</u>
COMMENTS:			MGMT CODES:	
AP <u>March -> Sept</u>			<u>7AG 7AR</u> <u>7BC 7BR</u>	

Once created, modify FO as needed to:

Initials LKS

13. Respond to significant comments, issues, or disputes related to the proposed use of water (see notes, if any, listed above)
14. Include or exclude permit conditions and management codes
15. Correct PFO errors (such as POD or POU location (verify from map), Permit format)

Once FO document is completed:

16. Save WordPerfect document in M:\GROUPS\WR\FO\WEEK 156 & delete duplicates
17. Print final draft of document and submit to team leader for review
18. Team leader review completed

Mailing List for PFO Copies

Application #G-14678

PFO Date July 21, 1998

Original mailed to:

Applicant: ANDY ROOT, HC 73 174 HARNEY RD, BURNS, OREGON 97720

Copies sent to:

1. WRD - File # G-14678
2. WRD - Water Availability: Ken Stahr

PFO, Map, and Fact Sheet Copies sent to:

3. WRD - Watermaster # District 10
4. WRD - East Regional Manager :
5. ODFW District Biologist: (HARNEY County) Wayne Bowers

Copies Mailed

By: <u>JWSG²</u> (SUPPORT STAFF)
on: <u>7/21/98</u> (DATE)

Copies sent to Other Interested Persons (*CWRE, Agent, Well Driller, Commenter, etc.*)

6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

1. _____
2. _____
3. _____

PFO CHECKLIST

Application #: G 14678

Basin: 12 Malheur Lake

WAB: _____

Township 22 S Range 32 1/2 E Section 29 1/4 1/4

County Harvey

30
31
32
33
34

- 1. Is the file complete by the Minimum Requirements Checklist? (Y) N
- 2. Shortcomings (items needed before a permit and/or FO can be issued) Y (N)
- 3. Check file for indicators that the process **should not** continue until a later date (ie - protest, letter to file indicating hold, or other)

4. Groundwater Review A B (C) D River/Stream Name ~~22S~~ Conditions 2B, 7A

- a. Groundwater Availability A B (C)
- b. Is second groundwater review necessary? (comments) Y (N)
- c. Is HB 1033 review complete? Y (N)

5. If source is groundwater, is the well located in a groundwater limited area? (If applicable, include map with POD) Y (N)

6. Is use from a B.O.R. project? Y (N) Contract in file? Y / N Contract # _____ USE OR IF WATER?

7. Is the use allowed by the Basin Program? Y (N) Limited? Y (N) 690-512-040 AVAIL.

8. Water Availability Data OK / REDONE / NA (50% before July 17, 1992; 80% live flow & 50% storage after July 17, 1992)

9. Is the source withdrawn or limited by statute or Department withdrawal order? Y (N)

10. Is the Proposed Use located in or above a Scenic Waterway? Y (N)

11. Division 33: Above Bonn (after July 17, 1992) Y / N / NA
 Below Bonn (after April 8, 1994; June 3, 1994) Y / N / NA
 Statewide - (in shaded areas on T, E, and S Map - after June 3, 1994) Y / N / NA

12. Does the IR identify the Proposed Source as being on the DEQ 303d List? Y (N) If so, any comments received? Y / N
 Does the IR identify the Proposed Use as being in a Dept of Ag. Water Quality Management Plan Area? Y / N

13. Have conflicts been identified, verified and/or addressed? Y (N) 134 A SUPPLE.

14. Rate 1/80 Duty 3 Irrigation Season 3-1 to 10-31

15. Period of Allowed Use 4-1 to 9-15

16. Allowed Rate of Use 1/80

17. Is the use **Small** (≤ 0.1 cfs, ≤ 9.2 AF), **Medium** (> 0.1 or < 1.5 cfs, > 9.2 or < 100 AF) or **Large** (≥ 1.5 cfs, ≥ 100 AF)?

18. Conditions 2A, 2B
 Is the proposed use within the New River Basin? Y / N If yes, include New River Agreement Conditions.

19. IR Public Notice Date 4-17-98

21. Final Report Checklist
- Documents used in determination are attached to this checklist and highlighted
 - Fill-out PFO CC List (don't forget to check for other property owners)
 - a. Re-notify Water Availability? (Rate, Duty and Period of Allowed Use changes) Y / N
 - b. **Check to make sure that the Watermaster Dist. listed on the CC list and the draft permit is correct**
 - Spell Check and Accuracy Check
 - Final PFO report hard copy check (format, margins, etc.)
 - Final PFO has been saved to m:\groups\wr\pfoldone\week#\application #

Name: D Miller

Date: 6 19 98

IR CHECKLIST

Application #: 6 14678

Basin: 12-Malheur lake

WAB: _____ POU-WAB _____

County Harney Township 225 Range 32 1/2 E Section 30, 32 1/4 1/4
33, 34

- 1. Complete by Minimum Requirements checklist. Y/N Items still required: _____
- 2. Indicators that the process should not continue (ie - items missing, letter to file indicating hold, or other) Y/N
- 3. Groundwater review A B C D
Water Availability A B C
a. Is the well located in a ground _____
if irn season not fixed 7B, 7A
- 4. Within or Above a Scenic Waterway Y
how to list supp w/r?
- 5. Allowed under Basin Program Y/N Li _____
Request 4/1- 9/15 pri.
- 6. Withdrawn? Y/N season allowed _____
- 7. Basin Maps have been checked. Y/N
- 8. Water Availability (50% < July 17, 1992 ** 80% [50% storage] > July 17, 1992) NA
- 9. Use IRR/15 Period of Allowed Use 3/1 _____
4-1/9-15 per request.
- 10. For Irrigation: Rate 1/80 Duty 3 Season 3/1-10/31
- 11. Allowable Rate of Use: 1576/80 = 19.7 cfs _____
Reg. 16.8 cfs
- 12. Priority Date(s) 2-2-98
- 13. B.O.R. project Y/N contract # _____
- 14. Subject to Division 33 (Above Bonn after July 17, 1992; Below Bonn after April 8, 1994 or June 3, 1994; or Statewide - in shaded areas on T, E, & S Map - After June 3, 1994) Y/N/NA
- 15. Conflicts Y/N
- 16. Conditions? (BOR, GW, other) Y/N
- 17. Land use approval OK'd needs approval county notified NA
- 18. Watermaster Dist: (1 2 16 18 - NWR) (3 4 5 - NCR) (~~6 8~~) (~~10~~) (11 12 17 - SCR) (14 15 19 - SWR)
- 19. Letter will be Good Limited Bad Bad w/IRshort because _____

Name: Amcland

Date: 3-25-98

OREGON WATER RESOURCES DEPARTMENT
ADMINISTRATIVE RULES
CHAPTER 690
DIVISION 512
MALHEUR LAKE BASIN PROGRAM

Minimum Perennial Streamflows

690-512-001

The minimum perennial streamflows listed in Table 1 are hereby adopted or established.

Water Availability

690-512-040

(1) Except as provided in section (3) of this rule, the Department shall not accept an application for permit, or issue a permit, for any use of surface water, or of groundwater the use of which has the potential to substantially interfere with surface water, in the Malheur Lake Basin unless the applicant shows, by a preponderance of evidence, that unappropriated water is available to supply the proposed use at the times and in the amounts requested. The evidence provided shall be prepared by a qualified hydrologist or other water resources specialist and shall include:

(a) Streamflow measurements or gage records from the source or, for use of groundwater, the stream in hydraulic connection with the source; or

(b) An estimate of water availability from the source or, for use of groundwater, the stream in hydraulic connection with the source which includes correlations with streamflow measurements or gage records on other, similar streams and considers current demands for water affecting the streamflows.

(2) The criteria used in determining if the use of groundwater has the potential to substantially interfere with surface water shall be those established in OAR Chapter 690, Division 9.

(3) This rule shall not apply to issuance of:

(a) Instream water rights,

(b) Permits for storage of water between March 1 and May 31 if the application is not required to be referred to the Commission under OAR 690-11-080 (2)(a)(C), or

(c) Permits for use of water legally stored.

W.M.; 1890 FEET SOUTH & 1100 FEET WEST FROM NE CORNER, SECTION 34 SWNE,
SECTION 34, T22S, R32.5E, W.M.; 1350 FEET SOUTH & 1350 FEET WEST FROM NE
CORNER, SECTION 34 SWNE, SECTION 30, T22S, R32.5E, W.M.; 1300 FEET NORTH &
1800 FEET EAST FROM C1/4 CORNER, SECTION 30 NWNE, SECTION 32, T22S, R32.5E,
W.M.; 220 FEET SOUTH & 2270 FEET WEST FROM NE CORNER, SECTION 32

Place of Use: NESW 38.0 ACRES NWSW 38.0 ACRES SWSW 40.0 ACRES SESW 40.0
ACRES, SECTION 29 SWNE 30.3 ACRES SENE 20.3 ACRES SENW 17.7 ACRES NESE
21.3 ACRES SESE 21.6 ACRES, SECTION 30 NENE 14.9 ACRES, SECTION 31 NENE
40.0 ACRES NWNE 40.0 ACRES SWNE 32.3 ACRES SENE 40.0 ACRES NENW 32.2
ACRES NWNW 30.8 ACRES SWNW 31.5 ACRES SENW 40.0 ACRES NESW 37.4 ACRES
SESW 38.3 ACRES NESE 40.0 ACRES NWSE 40.0 ACRES SWSE 40.0 ACRES SESE 40.0
ACRES, SECTION 32 NENE 31.4 ACRES NWNE 31.4 ACRES SWNE 31.4 ACRES SENE
31.4 ACRES NENW 31.4 ACRES NWNW 31.4 ACRES SWNW 31.4 ACRES SENW 31.4
ACRES NESE 31.4 ACRES NWSE 31.4 ACRES SWSE 31.4 ACRES SESE 31.4 ACRES,
SECTION 33 NENE 31.4 ACRES NWNE 31.4 ACRES SWNE 31.4 ACRES SENE 31.4
ACRES NENW 31.4 ACRES NWNW 31.4 ACRES SWNW 31.4 ACRES SENW 31.4 ACRES
NESW 31.4 ACRES NWSW 31.4 ACRES SWSW 31.4 ACRES SESW 31.4 ACRES,
SECTION 34, TOWNSHIP 22 SOUTH, RANGE 32.5 EAST W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, April 17, 1998

PUBLIC NOTICE DATE: Tuesday, April 21, 1998

30 DAY COMMENT DEADLINE DATE: Thursday, May 21, 1998

FEB 2 1998

Horn 1879 G-14678 225/32 1/2 E/33 L (START CARD) # 20911

STATE OF OREGON WATER WELL REPORT WATER RESOURCES DEPT. SALEM, OREGON (as required by ORS 537.765)

(1) OWNER: Name ANDY ROOT Well Number: 1 Address Green Valley Ranch Riley St City Burns State Oregon Zip 97720

(2) TYPE OF WORK: [X] New Well [] Deepen [] Recondition [] Abandon

(3) DRILL METHOD [] Rotary Air [] Rotary Mud [X] Cable [] Other

(4) PROPOSED USE: [] Domestic [] Community [] Industrial [X] Irrigation [] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval Yes No Depth of Completed Well 500' ft. Explosives used [] [X] Type Amount

Table with columns: HOLE Diameter, SEAL Material, Amount sacks or pounds. Rows: 16" 0 30' Cement 0 30', 14" 30' 500'

How was seal placed: Method [] A [] B [] C [] D [X] E Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Casing: 12" + 19' 100.6 250 [X] [] [X] [] Liner: NONE [] [] [] [] Final location of shoe(s) 108.6'

(7) PERFORATIONS/SCREENS: Table with columns: From, To, Slot size, Number, Diameter, Tele/pipe size, Casing, Liner. All entries are None.

(8) WELL TESTS: Minimum testing time is 1 hour [X] Pump [] Bailer [] Air [] Artesian Yield gal/min Drawdown Drill stem at Time Temperature of water 57 Depth Artesian Flow Found Was a water analysis done? [] Yes By whom Did any strata contain water not suitable for intended use? [] Too little [] Salty [] Muddy [] Odor [] Colored [] Other Depth of strata:

(9) LOCATION OF WELL by legal description: County Harney Latitude Longitude Township 22 S or S, Range 32 1/2 E E or W, WM. Section 33 NE 1/4 NW 1/4 Tax Lot 2200 Lot Block Subdivision Street Address of Well (or nearest address) Hwy 20

(10) STATIC WATER LEVEL: 14' ft. below land surface. Date 4-13-91 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Table with columns: From, To, Estimated Flow Rate, SWL. Rows: 14' 30' 300 GPM 14', 200' 209' 200 GPM 14', 460' 475' 400 GPM

(12) WELL LOG: Ground elevation 4200' Table with columns: Material, From, To, SWL. Rows: Top Soil (sandy) 0 5, sand stone 5 9, clay Brown 9 35, Green clay 35 200, Clay stone 200 260, Gray clay 260 300, clay with sand 300 360, clay with coarse sand 360 400, clay & coarse sand 400 460, Gray clay 460 500

Date started 3-20-91 Completed 4-13-91

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief. WWC Number 147 Signed Date

(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. A 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. WWC Number 1495 Signed Joe Valentin Date 4-13-91

RECEIVED

G-14678

001 3272/33

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

FEB - 2 1998

WARW 50457 (START CARD) # 67723

Instructions for completing this report are on the last page of this form. WATER RESOURCES DEPT. SALEM, OREGON

(1) OWNER: Well Number 3 Name ANDY ROOT Address W.C. 73, 174 HARNEY Rd. City Burns State OR Zip 97720

(2) TYPE OF WORK [X] New Well [] Deepening [] Alteration (repair/recondition) [] Abandonment

(3) DRILL METHOD: [] Rotary Air [] Rotary Mud [X] Cable [] Auger [] Other

(4) PROPOSED USE: [] Domestic [] Community [] Industrial [X] Irrigation [] Thermal [] Injection [] Livestock [] Other

(5) BORE HOLE CONSTRUCTION: Special Construction approval [] Yes [X] No Depth of Completed Well 425 ft. Explosives used [] Yes [X] No Type Amount

Table with columns for HOLE Diameter, From, To, Material, and SEAL From, To, Sacks or pounds. Includes handwritten entries for cement and 32 sacks.

How was seal placed: Method [] A [] B [] C [] D [X] E [] Other Backfill placed from ft. to ft. Material Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER: Table with columns for Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Includes handwritten entry for 14 inch casing.

Final location of shoe(s)

(7) PERFORATIONS/SCREENS: Table with columns for From, To, Slot size, Number, Diameter, Material, Casing, Liner. Includes handwritten entry 'NONE'.

(8) WELL TESTS: Minimum testing time is 1 hour [X] Pump [] Bailer [] Air [] Flowing Artesian Yield gal/min 1400 Drawdown 160' Drill stem at Time 1 hr.

Temperature of water 56 Depth Artesian Flow Found Was a water analysis done? [] Yes By whom Did any strata contain water not suitable for intended use? [X] Top little [] Salty [] Muddy [] Odor [] Colored [] Other Depth of strata:

(9) LOCATION OF WELL by legal description: County Harney Latitude Longitude Township 22 or S Range 32 1/2 E or W WM. Section 33 SE 1/4 SE 1/4 Tax Lot Lot Block Subdivision Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL: 30 ft. below land surface. Date 7-28-95 Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES: Table with columns for From, To, Estimated Flow Rate, SWL. Includes handwritten entries for 30, 31, 30, 91, 92, 40 gpm, 20, 397, 409, 1000 gpm, 30.

(12) WELL LOG: Ground Elevation

Table with columns for Material, From, To, SWL. Includes handwritten entries for Top soil - sandy, GRAY CLAY, BLUE CLAY, SAND STONE, BLUE CLAY, SAND STONE, FINE SAND W/ GRAVEL, GRAY CLAY.

Date started Completed (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 the best of my knowledge and belief. WWC Number Signed Date

(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 standards. This report is true to the best of my knowledge and belief. WWC Number 1435 Signed Joe Valentin Date 7-28-95

RECEIVED

FEB - 2 1998

Hann
50241

G-14678

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL I.D.# L 116814
START CARD# 098474

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 4
Name Andy Root
Address PO Box 3
City BURNS State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 450 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
14	0	19	bentonite	0	18	20 sacks

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14	*1	20	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

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

<input type="checkbox"/> Pump	<input checked="" type="checkbox"/> Bailor	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing
Yield gal/min	Drawdown	Drill stem at	Artesian Time
100	2		1 hr.

Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? NO Yes By whom _____
Did any strata contain water not suitable for intended use? NO Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E or W. WM.
Section 34 NE 1/4 SW 1/4
Tax Lot 2200 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hwy 20 W

(10) STATIC WATER LEVEL:
_____ 25 ft. below land surface. Date 12-3-97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found _____ 160

From	To	Estimated Flow Rate	SWL
160	410	1000	35

(12) WELL LOG: NO work
Ground Elevation _____

Material	From	To	SWL
saniv loam gravel	0	1	
clay sand concrete	1	7	
clay brn hard	7	20	
clay brn soft	20	33	
clay grey	33	207	60
clay green gravel fine	20	160	
purple clay brn	160	175	175
clay green	175	220	
conglomerate brn	220	243	
clay pink	243	250	
conglomerate brn	250	275	
purple hard	275	280	
sandstone brn	280	360	
rock brn	360	378	
green conglomerate	378	410	
clay green purple	410	430	
clay green	430	450	

Date started 11-25-97 Completed 12-3-97

(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 the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1424
Signed Timothy K. Risher Date 12-5-97

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G-14678

22/32 1/2 / 39

WATER WELL REPORT
STATE OF OREGON

FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. _____

State Permit No. 0

HARN 50668

1) OWNER:

Name AMY ROOT
Address HC 79, 174 Harney, Rd.
City ELMAS State OR 97130

2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven
Rotary Mud Dug
Cable Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other
Thermal: Withdrawal Reinjection

(5) CASING INSTALLED:

Steel Plastic Welded
Threaded 250
12" Diam. from +1 ft. to 159 ft. Gauge
" Diam. from ft. to ft. Gauge

LINER INSTALLED:

" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? Yes No
Type of perforator used _____
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
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.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom? owner
800 gal./min. with 160 ft. drawdown after 10 hrs.
Air test gal./min. with drill stem at _____ ft. hrs.
Bailer test gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow g.p.m.
Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—Material used Cement
Well sealed from land surface to 2.0 ft.
Diameter of well bore to bottom of seal 15 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 34 sacks
How was cement grout placed? Grout pumped to top of casing with gravel pipe
Was pump installed? Yes Type Turbine HP 75 Depth 140 ft.
Was a drive shoe used? Yes No Plugs NO Size: location _____ ft.
Did any strata contain unusable water? Yes No
Type of Water? _____ depth of strata _____
Method of sealing strata off _____
Was well gravel packed? Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County Harney Driller's well number _____
N-W 1/4 SE 1/4 Section 34 T. 22 S. R. 32 1/2 E W.M.
Tax Lot # 24-00 Lot Blk Subdivision
Address at well location: Cow Cr Road
3/4 mile north of Hwy 20

(11) WATER LEVEL: Completed well.

Depth at which water was first found 28 ft.
Static level 2.8 ft. below land surface. Date 3-28-91
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 12"
Depth drilled 750 ft. Depth of completed well 750 ft.
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
TOP Soil	0	2	
Gray Clay	2	46	2.9
SAND STONE	46	154	
Green Clay	154	491	
Brown Clay	491	537	
Green Clay	537	691	
Blue Clay	691	736	
Small GRAVEL with sand	736	742	2.9
Green Clay	742	750	2.9

Work started 2-21 19 91 Completed 3-28 19 91
Date well drilling machine moved off of well 3-29 19 91

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.
[Signed] _____ Date _____, 19____
(Drilling Machine Operator)
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 AMY ROOT (Type or print)
Address _____
[Signed] Amy Root (Water Well Contractor)
Contractor's License No. 1931 Date 3-28, 1991

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WATER WELL REPORT
STATE OF OREGON

FEB - 2 1998

OSSE WEL-010

WATER RESOURCES DEPT.
SALEM, OREGON
PLEASE TYPE or PRINT IN INK

State Permit No.

Well #7 HAR 50667

(1) OWNER:

Name Andy Root
Address PO Box 946
City BURNS State OR

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and structure in Item 12.

(3) TYPE OF WELL: (4) PROPOSED USE (check):

Rotary Air Driven Diameter Industrial Municipal
Rotary Shank dug Turbine Test Well Other
Cable bored Throat Withstand Reinjection

(5) CASING INSTALLED:

14" Dia. from 1.1 ft. to 1.2 ft. Gauge 250
" Dia. from ft. to ft. Gauge

LINER INSTALLED: NONE
" Dia. from ft. to ft. Gauge

(6) PERFORATIONS:

Perforated? Yes No
Type of perforation used NONE
Size of perforations in. by in.
..... perforations from ft. to ft.
..... perforations from ft. to ft.
..... perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No
Manufacturer's Name NONE Model No.
Type
Diam. Slot Size Set from ft. to ft.
Date Slot Size Set from ft. to ft.

(8) WELL TESTS:

Drawdown in amount water level is lowered below static level
Was a pump test made? Yes No If yes, by whom
Yield 250 gal/min with 200 ft. drawdown after hrs.
Air test gal/min with drill stem at ft. test
Soaker test gal/min with ft. drawdown after hrs.
Artesian flow
Temperature of water 56 Depth of water ft.

(9) CONSTRUCTION:

Special standards: Yes No
Well seal—material used cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 20 in.
Diameter of well bore below seal 14 in.
Number of joints of casing used in well seal 35 each
How was casing joint placed? flanged up to top of
gravel with 1.5" ceramic pipe
Was pump installed? Type HP Depth ft.
Was a drive pipe used? Yes No Flange Size location ft.
Did any other materials penetrate water? Yes No
Time of water depth of static
Method of casing access at
The well was sealed? Yes No Seal of material
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County HARNEY Driller's well number
NE 1/4 NE 1/4 Section 30 T. 22S R. 32 1/2 E W. 1E
Twp. 30 N. Lat. 30 E. Subdivision
Address at well location: HC 73-174
HARNEY Rd.

(11) WATER LEVEL: Completed well.

Depth at which water was first found
Static level 7 ft. below land surface Date June 30 1991
Artesian pressure lbs. per square inch Date

(12) WELL LOG:

Diameter of well below casing 14"
Depth drilled 670 ft. Depth of completed well 670 ft.

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
Top Soil Dark	0	3	
Brown Clay	3	96	7
Blue clay	96	154	
Brown clay	154	341	
Sand stone	341	393	
Fine sand Brown	393	399	
Gray Clay	399	547	
Green Clay	547	670	7

Work started June 23 1991 Completed August 9 1991
Date well drilling machine moved off of well August 10 1991

(unbonded) Water Well Constructor Certification Of applicability
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] Date 19.....

Bonded Water Well Constructor Certification:
Bond Issued by:
Name Valentine Well Drilling

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Valentine Well Drilling
Address 1104 Buchanan Rd, Burns OR
[Signed] Joe Valentino
Date August 10, 1991

NOTICE TO WATER WELL CONSTRUCTOR
The original and first copy of this report
are to be filed with the

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310

WPA4004-000

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WATER RESOURCES DEPT.
SALEM, OREGON

050991

EXHIBIT A

Legal Description of the Property

ROOT WELL LEGAL
DESCRIPTION FOR
WELL, T. 22 S., R. 32 1/2 E.
SEC. 34, NE 1/4

The property located in Harney County, Oregon, as follows:

PARCEL "A":

TL 1900

In Township 21 South, Range 32 East, Willamette Meridian:

Sec. 36: NW 1/4 NE 1/4.

In Township 22 South, Range 32 1/2 East, Willamette Meridian:

* Sec. 29: SW 1/4, SW 1/4 SE 1/4.

* Sec. 30: Lots 2 and 3, SE 1/4, SW 1/4 NE 1/4.

* Sec. 31: The North one-half of the East 185 acres of said section.

Sec. 32: W 1/2, SW 1/4 NE 1/4, E 1/2 SE 1/4, EXCEPTING THEREFROM highway right of way over the SW 1/4 and SE 1/4 SE 1/4 conveyed to the State of Oregon, acting by and through its Highway Commission, by deed recorded Feb. 16, 1937, in Book 37, Page 426, Deed Records. ALSO, EXCEPTING THEREFROM that portion of the SW 1/4 conveyed to Dwight K. Mims and Lynn Marie Mims, by deed recorded August 16, 1989, Instrument No. 891173, Deed Records.

Sec. 33: All, EXCEPTING THEREFROM highway right of way over the S 1/2 SW 1/4 conveyed to the State of Oregon, by and through its State Highway Commission, by deed recorded July 12, 1937, in Book 37, Page 546, Deed Records.

NW 1/4
OF THIS
SECTION *

Sec. 34: W 1/2, EXCEPTING THEREFROM the following three parcels:

Parcel No. 1: Highway right of way over the SW 1/4 SW 1/4 conveyed to the State of Oregon, by and through its State Highway Commission, by deed recorded Sept. 4, 1937, in Book 37, Page 597, Deed Records.

Parcel No. 2: Beginning at a point on the Northerly right of way line of the Central Oregon Highway, which point is 50 feet distant Northerly from (when measured at right angles to) the center line of the Central Oregon Highway at Engineer's Station 701+50, said point also being 88.3 feet North and 1942.3 feet East of the Southwest corner of said Sec. 34;
thence N. 0° 19' E. 200 feet;
thence S. 89° 41' E. 300 feet;
thence S. 0° 19' W. 200 feet to a point on the Northerly right of way line of said highway;
thence N. 89° 41' W. along said Northerly right of way line 300 feet to the point of beginning.

Parcel No. 3: Beginning at a point on the West line of said Sec. 34, which is N. 0° 11' W. 99 feet from the Southwest corner of said Sec. 34, said point also being the Northwest corner of parcel No. 1 of that property transferred to the

G 14678

PAGE 2 of 2
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WATER RESOURCES DEPT
SALEM, OREGON

State of Oregon, by deed recorded in Book 37, Page 597, Deed Records and commonly known as the right of way for U. S. Highway No. 20;
thence N. 0° 11' W., along the section line, 400 feet;
thence S. 89° 41' E., parallel to the North line of said highway right of way, 200 feet;
thence S. 0° 11' E., parallel to said West Sec. line, 400 feet, to the North line of said highway right of way;
thence N. 89° 41' W., along the North line of said highway right of way, to the point of beginning.

In Township 23 South, Range 32½ East, Willamette Meridian:

Sec. 4: SW¼.

Sec. 5: That portion of Lot 4 which is described as follows:

Beginning at the Northwest corner of said Sec. 5;
thence N. 88° 24' E., along the North line of said section, 114.5 feet;
thence S. 00° 00' E. 1226.8 feet to the South line of said Lot 4;
thence N. 89° 37' 40" W. 114.5 feet to the West line of said section;
thence N. 00° 00' E., along said section line, 1222.9 feet to the point of beginning.

Sec. 6: Lot 1, SE¼NE¼.

Sec. 26: SW¼.

Sec. 35: N¼NE¼, NE¼NW¼, and that portion of the NW¼NW¼ which is described as follows:

Beginning at the Northwest corner of said Sec. 35;
thence East to the Northeast corner of said NW¼NW¼;
thence South to the Southeast corner of said NW¼NW¼;
thence Northwesterly diagonally across said NW¼NW¼ to the point of beginning.

PARCEL "B":

In Township 22 South, Range 32½ East, Willamette Meridian:

Sec. 19: Lot 6, SE¼, SE¼NE¼, and that portion of Lot 5 and the SW¼NE¼ which lie Southeasterly of the county road right of way traversing said section as situated on December 1, 1961.

Sec. 20: All.

Sec. 21: NE¼.

Sec. 30: N¼NE¼.

PARCEL "C":

Bureau of Land Management Grazing Allotments known as Camp Harney 5105 and Withers Fenced Fed 5005.

STATE OF OREGON
COUNTY OF HARNEY
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

confirms the right to the use of water perfected under the terms of Permit G-18090. 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-14678

SOURCE OF WATER: THIRTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE or USE: IRRIGATION OF 1292.4 ACRES AND SUPPLEMENTAL IRRIGATION OF 295.5 ACRES

MAXIMUM RATE: 16.8 CUBIC FEET PER SECOND (CFS) IN ANY COMBINATION BETWEEN THE WELLS;
FURTHER LIMITED TO 1.49 CFS FROM WELL 1, 0.75 CFS FROM WELL 2, 1.35 CFS FROM WELL 3, 1.67 CFS FROM WELL 4, 1.09 CFS FROM WELL 5, 1.02 CFS FROM WELL 6, 0.34 CFS FROM WELL 6A, 1.03 CFS FROM WELL 7, 2.06 CFS FROM WELL 8, 1.01 CFS FROM WELL 9, 2.04 CFS FROM WELL 10, 1.71 CFS FROM WELL 18 AND 3.13 CFS FROM WELL 22

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1 (ORIGINAL) - 25 FEET SOUTH AND 660 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2 (ORIGINAL) - 110 FEET SOUTH AND 665 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3 (ORIGINAL) - 1365 FEET NORTH AND 1365 FEET WEST FROM SE CORNER, SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4 (ORIGINAL) - 2710 FEET SOUTH AND 830 FEET WEST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5 (ORIGINAL) - 5 FEET NORTH AND 830 FEET WEST FROM E1/4 CORNER, SECTION 34

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.

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6 (ORIGINAL) - 1320 FEET SOUTH AND 1320 FEET EAST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A (ADDITIONAL) - 1300 FEET SOUTH AND 1300 FEET EAST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7 (ORIGINAL) - 25 FEET SOUTH AND 45 FEET EAST FROM NW CORNER, SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8 (ORIGINAL) - 35 FEET SOUTH AND 1245 FEET WEST FROM NE CORNER, SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9 (ORIGINAL) - 1055 FEET NORTH AND 130 FEET WEST FROM SE CORNER, SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10 (ORIGINAL) - 2605 FEET SOUTH AND 750 FEET EAST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18 (ORIGINAL) - 5 FEET SOUTH AND 1320 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE SW	WELL 22 (ADDITIONAL) - 5 FEET SOUTH AND 1500 FEET EAST FROM W1/4 CORNER, SECTION 33

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

A description of the place of use is as follows:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
22 S	32.5 E	WM	29	NE SW		20.4
22 S	32.5 E	WM	29	NW SW		27.7
22 S	32.5 E	WM	29	SW SW		39.0
22 S	32.5 E	WM	29	SE SW		39.9
22 S	32.5 E	WM	29	SW SE		30.0
22 S	32.5 E	WM	29	SE SE		30.0
22 S	32.5 E	WM	30	SW NE		27.6
22 S	32.5 E	WM	30	SE NE		10.3
22 S	32.5 E	WM	30	SE NW	2	17.7
22 S	32.5 E	WM	30	NE SE		20.2
22 S	32.5 E	WM	31	NE NE		5.3
22 S	32.5 E	WM	31	SE NE		2.6
22 S	32.5 E	WM	31	SW SE		3.7
22 S	32.5 E	WM	31	SE SE		11.8
22 S	32.5 E	WM	32	NE NE		7.1
22 S	32.5 E	WM	32	NW NE		37.8
22 S	32.5 E	WM	32	SW NE		6.3
22 S	32.5 E	WM	32	SE NE		8.7
22 S	32.5 E	WM	32	NE NW		6.2
22 S	32.5 E	WM	32	NW NW		9.2
22 S	32.5 E	WM	32	NE SW		22.8
22 S	32.5 E	WM	32	NW SW		3.3
22 S	32.5 E	WM	32	SE SW		27.1
22 S	32.5 E	WM	32	NE SE		31.2
22 S	32.5 E	WM	32	NW SE		35.4
22 S	32.5 E	WM	32	SW SE		29.9
22 S	32.5 E	WM	32	SE SE		27.6
22 S	32.5 E	WM	33	NE NE		31.4
22 S	32.5 E	WM	33	NW NE		31.4

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
22 S	32.5 E	WM	33	SW NE		31.4
22 S	32.5 E	WM	33	SE NE		31.4
22 S	32.5 E	WM	33	NE NW		31.4
22 S	32.5 E	WM	33	NW NW		31.4
22 S	32.5 E	WM	33	SW NW		31.4
22 S	32.5 E	WM	33	SE NW		31.4
22 S	32.5 E	WM	33	NE SE		31.4
22 S	32.5 E	WM	33	NW SE		31.4
22 S	32.5 E	WM	33	SW SE		31.4
22 S	32.5 E	WM	33	SE SE		31.4
22 S	32.5 E	WM	34	NE NE		31.4
22 S	32.5 E	WM	34	NW NE		31.4
22 S	32.5 E	WM	34	SW NE		31.4
22 S	32.5 E	WM	34	SE NE		31.4
22 S	32.5 E	WM	34	NE NW		31.4
22 S	32.5 E	WM	34	NW NW		31.4
22 S	32.5 E	WM	34	SW NW		31.4
22 S	32.5 E	WM	34	SE NW		31.4
22 S	32.5 E	WM	34	NE SW		31.4
22 S	32.5 E	WM	34	NW SW		31.4
22 S	32.5 E	WM	34	SW SW		31.4
22 S	32.5 E	WM	34	SE SW		31.4

SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q		Acres
22 S	32.5 E	WM	31	NE NE		1.7
22 S	32.5 E	WM	31	SE NE		19.2
22 S	32.5 E	WM	31	NE SE		33.1
22 S	32.5 E	WM	31	NW SE		7.6
22 S	32.5 E	WM	31	SW SE		4.3
22 S	32.5 E	WM	31	SE SE		19.9
22 S	32.5 E	WM	32	SW NE		31.7
22 S	32.5 E	WM	32	NE NW		27.5
22 S	32.5 E	WM	32	NW NW		24.6
22 S	32.5 E	WM	32	SW NW		31.5
22 S	32.5 E	WM	32	SW NW		8.5
22 S	32.5 E	WM	32	SE NW		29.8
22 S	32.5 E	WM	32	NE SW		3.1
22 S	32.5 E	WM	32	NW SW		28.5
22 S	32.5 E	WM	32	SW SW		23.6
22 S	32.5 E	WM	32	SE SW		0.9

The combined quantity of water diverted at the new points of appropriation (Wells 6A and 22) together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 18), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Measurement, recording and reporting conditions:

- A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order at each point of appropriation, 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 monitor and report the impact of water use under this right in accordance with the approved water level monitoring plan on file with the Department. If a well listed on this right (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level stipulated in the plan, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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 interferences.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

The wells 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.

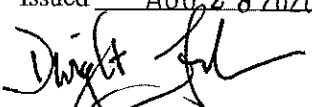
This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

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 AUG 28 2020.


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

STATE OF OREGON
 COUNTY OF HARNEY
 CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ANDY ROOT
 524 HWY 20 N
 HINES OR 97738

confirms the right to the use of water perfected under the terms of Permit G-18090. 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-14678

SOURCE OF WATER: THIRTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE or USE: IRRIGATION OF 1292.4 ACRES AND SUPPLEMENTAL IRRIGATION OF 295.5 ACRES

MAXIMUM RATE: 16.8 CUBIC FEET PER SECOND (CFS) IN ANY COMBINATION BETWEEN THE WELLS; FURTHER LIMITED TO 1.49 CFS FROM WELL 1, 0.75 CFS FROM WELL 2, 1.35 CFS FROM WELL 3, 1.67 CFS FROM WELL 4, 1.09 CFS FROM WELL 5, 1.02 CFS FROM WELL 6, 0.34 CFS FROM WELL 6A, 1.03 CFS FROM WELL 7, 2.06 CFS FROM WELL 8, 1.01 CFS FROM WELL 9, 2.04 CFS FROM WELL 10, 1.71 CFS FROM WELL 18 AND 3.13 CFS FROM WELL 22

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1 (ORIGINAL) - 25 FEET SOUTH AND 660 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2 (ORIGINAL) - 110 FEET SOUTH AND 665 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3 (ORIGINAL) - 1365 FEET NORTH AND 1365 FEET WEST FROM SE CORNER, SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4 (ORIGINAL) - 2710 FEET SOUTH AND 830 FEET WEST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5 (ORIGINAL) - 5 FEET NORTH AND 830 FEET WEST FROM E1/4 CORNER, SECTION 34

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.

PROPOSED
 Certificate
 95195

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6 (ORIGINAL) - 1320 FEET SOUTH AND 1320 FEET EAST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A (ADDITIONAL) - 1300 FEET SOUTH AND 1300 FEET EAST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7 (ORIGINAL) - 25 FEET SOUTH AND 45 FEET EAST FROM NW CORNER, SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8 (ORIGINAL) - 35 FEET SOUTH AND 1245 FEET WEST FROM NE CORNER, SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9 (ORIGINAL) - 1055 FEET NORTH AND 130 WEST FROM SE CORNER, SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10 (ORIGINAL) - 2605 FEET SOUTH AND 750 EAST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18 (ORIGINAL) - 5 FEET SOUTH AND 1320 WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE SW	WELL 22 (ADDITIONAL) - 5 FEET SOUTH AND 1500 EAST FROM W1/4 CORNER, SECTION 33

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

A description of the place of use is as follows:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
22 S	32.5 E	WM	29	NE SW		20.4
22 S	32.5 E	WM	29	NW SW		27.7
22 S	32.5 E	WM	29	SW SW		39.0
22 S	32.5 E	WM	29	SE SW		39.9
22 S	32.5 E	WM	29	SW SE		30.0
22 S	32.5 E	WM	29	SE SE		30.0
22 S	32.5 E	WM	30	SW NE		27.6
22 S	32.5 E	WM	30	SE NE		10.3
22 S	32.5 E	WM	30	SE NW	2	17.7
22 S	32.5 E	WM	30	NE SE		20.2
22 S	32.5 E	WM	31	NE NE		5.3
22 S	32.5 E	WM	31	SE NE		2.6
22 S	32.5 E	WM	31	SW SE		3.7
22 S	32.5 E	WM	31	SE SE		11.8
22 S	32.5 E	WM	32	NE NE		7.1
22 S	32.5 E	WM	32	NW NE		37.8
22 S	32.5 E	WM	32	SW NE		6.3
22 S	32.5 E	WM	32	SE NE		8.7
22 S	32.5 E	WM	32	NE NW		6.2
22 S	32.5 E	WM	32	NW NW		9.2
22 S	32.5 E	WM	32	NE SW		22.8
22 S	32.5 E	WM	32	NW SW		3.3
22 S	32.5 E	WM	32	SE SW		27.1
22 S	32.5 E	WM	32	NE SE		31.2
22 S	32.5 E	WM	32	NW SE		35.4
22 S	32.5 E	WM	32	SW SE		29.9
22 S	32.5 E	WM	32	SE SE		27.6
22 S	32.5 E	WM	33	NE NE		31.4
22 S	32.5 E	WM	33	NW NE		31.4

PROPOSED
Certificate *****

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
22 S	32.5 E	WM	33	SW NE		31.4
22 S	32.5 E	WM	33	SE NE		31.4
22 S	32.5 E	WM	33	NE NW		31.4
22 S	32.5 E	WM	33	NW NW		31.4
22 S	32.5 E	WM	33	SW NW		31.4
22 S	32.5 E	WM	33	SE NW		31.4
22 S	32.5 E	WM	33	NE SE		31.4
22 S	32.5 E	WM	33	NW SE		31.4
22 S	32.5 E	WM	33	SW SE		31.4
22 S	32.5 E	WM	33	SE SE		31.4
22 S	32.5 E	WM	34	NE NE		31.4
22 S	32.5 E	WM	34	NW NE		31.4
22 S	32.5 E	WM	34	SW NE		31.4
22 S	32.5 E	WM	34	SE NE		31.4
22 S	32.5 E	WM	34	NE NW		31.4
22 S	32.5 E	WM	34	NW NW		31.4
22 S	32.5 E	WM	34	SW NW		31.4
22 S	32.5 E	WM	34	SE NW		31.4
22 S	32.5 E	WM	34	NE SW		31.4
22 S	32.5 E	WM	34	NW SW		31.4
22 S	32.5 E	WM	34	SW SW		31.4
22 S	32.5 E	WM	34	SE SW		31.4

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NE	31.7
22 S	32.5 E	WM	32	NE NW	27.5
22 S	32.5 E	WM	32	NW NW	24.6
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	SE NW	29.8
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9

The combined quantity of water diverted at the new points of appropriation (Wells 6A and 22) together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 18), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Measurement, recording and reporting conditions:

- A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order at each point of appropriation, 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 monitor and report the impact of water use under this right in accordance with the approved water level monitoring plan on file with the Department. If a well listed on this right (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level stipulated in the plan, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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 interferences.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

The wells 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 _____

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

MEMO -Proof to Satisfaction

Application # <u>G-14678</u>	Permit # <u>G-18090</u>	Transfer # <u>T-12267</u>
WRD Reviewer <u>Jonhine Skaug</u>	Date <u>March 2020</u>	
WRD Peer Reviewer	Date	

Research

- Organize file in chronological order
- Pull CBU Report & Map(s), Application Map, relevant Permit, Certificate, or Transfer Order, most recent Assignments, Extension Orders, SWL Measurements, Fish Screen Certification Documents, Water Use Reports & Pump Tests
- Search for Water Right Location using Interactive Mapper. Identify Tax Lots & check for Area of Interest (AOI)
- Water Organization identified using AOI? No Yes
 - If "Yes" cc: _____ & Add to Mailing List
- Print Tax Lot Map from ormap.net for the original Place of Use, and confirm Current Ownership & Address with County Assessor tax lots 1900, 2000, 2100, 2200 & 2400 different owner
- If there is a new owner, Add to Mailing List, including the owner(s) name & tax lot number owner
- Print Platcard & check for Place of Use Conflict? No Yes
 - If "Yes", provide copy of certificate & relevant map
- Print BLM Cadastral Survey Glot 2
- Does Claim Map identify correct DLC, Gov't Lots, QQ's? No Yes
 - If "No", either _____ WRD amend map OR _____ prepare Order of Certification

Reviewing Claim

Have conditions on relevant permit, certificate, or transfer order been complied with? Yes, No, OR N/A

- Fish Conditions
 - Meter/measuring device yes all have measuring devices
 - Water Use Reporting yes
 - Pump Test (post December 19, 1988) - pump test exemption came in
- Other Conditions
 - SWL check for monitoring plan?? No new condition
 - C-Date 10-1-2002 ext 10-1-2018 - claim says 10/1/2018
- Run Capacity Calculator and Print Findings (for pump, sprinklers, pipes, ditches, as appropriate) see calc sheet

NOTES:

- 1) Scott Montgomery, CURSE
- 2) Current landowner: map tax lots

22S32E00000	1900
22S32E00000	2000
22S32E00000	2100
22S32E00000	2200
22S32E00000	2400

 Rattlesnake Creek Land & Cattle Co
 574 Hwy 20 N
 Hines OR 97738

* Still need to check for monitoring plan
 * Still need to go thru conflict check & Supplement for primary

Determination

___ I've determined that the permit/transfer was fully developed as authorized and that a **FINAL** Certificate should be issued.

___ I've determined that the permit/transfer was not fully developed as authorized and that a **PROPOSED** Certificate should be issued. A proposed Certificate should be issued for the following reason(s):

___ I've determined that beneficial use was **NOT** made within the terms and conditions and that a **Proposed Order of Certification** (denial) should be issued. A proposed Order of Certification should be issued for the following reason(s):

Processing

___ Stamp PROPOSED or Assign CERT# _____ or ORDER OF CERTIFICATION (circle one)

___ Draft Certificates or Proposed Order of Certifications are available in the Application directory.

___ Prepare Mailing List. Include Applicant(s); Receiving Landowner(s); Current Owner(s); Water Organizations; CWRE. Indicate records to be marked.

___ Record marking: App _____	Permit _____	Cert _____
App _____	Permit _____	Cert _____
App _____	Permit _____	Cert _____
App _____	Permit _____	Cert _____

NOTES:

Well 1	1.49	HARN	1879
Well 2	0.75	HARN	1912
Well 3	1.35	HARN	50457
Well 4	1.67	HARN	50241
Well 5	1.09	HARN	50648
Well 6	1.02	HARN	50422
Well 6a	0.34		
Well 7	1.03	HARN	50890
Well 8	2.06	HARN	50362
Well 9	1.01	HARN	50392
Well 10	2.04	HARN	51682
Well 18	1.71	HARN	52018
Well 22	3.13	HARN	52481

Water Use Report Based on Water Right



Permit: G 18090 *

ROOT, ANDY 524 HWY 20 N HINES, OR 97738

Records per page: 999 [View All](#)

Acre-feet (AF) of Water Used

<u>Water Year*</u>	<u>Report ID</u>	<u>Facility</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Total Water Used</u>	<u>Irrigated Acres</u>
2019	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	11.17	101.44	93.87	174.58	163.60	48.35	593.01	1834.30
2019	47871	WELL 2 (HARN 1912 / L-35536)	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
2019	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.12	58.02	107.65	93.10	3.55	328.44	1834.30
2019	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.35	126.23	91.46	68.61	18.09	369.74	1834.30
2019	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.06	10.44	16.72	20.80	23.86	2.27	74.15	1834.30
2019	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.44	24.21	81.94	88.09	13.19	250.87	1834.30
2019	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	6.43	48.03	62.56	49.90	21.06	187.99	1834.30
2019	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	0.27	117.51	223.45	163.86	150.07	53.19	708.35	1834.30
2019	66194	WELL 9 (HARN 50392/L-28434)	0.00	0.00	0.00	0.00	0.00	0.00	0.26	112.50	65.32	172.69	223.81	75.17	649.75	1834.30
2019	66195	WELL 10 (HARN 51682/L-102504)	0.00	0.00	0.00	0.00	0.00	0.00	0.89	104.38	0.30	149.92	184.51	65.15	505.15	1834.30
2019	66196	WELL 18 (HARN 52018/L-113433)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.36	28.49	114.38	107.39	30.31	320.93	1834.30
2019	67964	WELL 6A	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
2019	67965	WELL 20	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
2019	67966	WELL 21	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

2017	47872	WELL 3 (HARN 50457 / L-35537)	0.05	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	27.67	89.67	76.29	55.15	16.85	265.68	
2017	47873	WELL 4 (HARN 50241 / L-16814)	0.05	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	41.89	92.28	83.91	118.70	0.39	337.22	
2017	47874	WELL 5 (HARN 50668)	0.03	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	15.76	9.20	0.03	6.42	31.44	
2017	47875	WELL 6 (HARN 50422/L-28438)	0.05	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	0.09	47.15	62.60	78.15	30.72	218.76	
2017	47876	WELL 7 (HARN 50890/L-51625)	0.12	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	4.96	62.59	56.97	62.48	20.55	207.67	
2017	47877	WELL 8 (HARN 50362 / L-21297)	0.20	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	75.76	170.75	159.87	178.96	55.95	641.49	
2017	66194	WELL 9 (HARN 50392/L-28434)	0.05	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	132.21	220.65	192.53	248.25	90.55	884.24	
2017	66195	WELL 10 (HARN 51682/L-102504)	0.20	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	13.52	84.47	143.12	222.26	83.09	546.66	
2017	66196	WELL 18 (HARN 52018/L-113433)	0.10	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	37.55	77.08	82.30	127.20	46.37	370.60	
2016	47870	WELL 1 (HARN 1879/L-35539)	30.37	0.00	0.00	0.00	0.00	14.19	121.21	155.09	199.27	125.94	51.47	0.85	698.39	1834.30								
2016	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00																0.00	
2016	47872	WELL 3 (HARN 50457 / L-35537)	9.36	0.00	0.00	0.00	0.00	16.04	89.42	84.05	105.98	85.51	24.25	0.22	414.83	1834.30								
2016	47873	WELL 4 (HARN 50241 / L-16814)	23.26	0.00	0.00	0.00	0.00	27.89	113.35	169.63	157.11	171.01	102.70	0.10	765.05	1834.30								
2016	47874	WELL 5 (HARN 50668)	0.03	0.00	0.00	0.00	0.01	1.01	1.21	23.14	21.13	0.09	0.03	46.65	1834.30									
2016	47875	WELL 6 (HARN 50422/L-28438)	15.67	0.00	0.00	0.00	0.00	9.64	67.62	83.03	116.94	97.42	78.47	0.05	468.84	1834.30								
2016	47876	WELL 7 (HARN 50890/L-51625)	8.48	0.00	0.00	0.00	0.00	4.57	48.19	54.51	64.19	67.91	39.47	0.12	287.44	1834.30								

2014	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	91.65	66.04	79.56	60.44	41.22	0.00	338.91
2014	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	3.60	129.39	91.41	117.68	80.97	40.39	463.44
2014	47874	WELL 5 (HARN 50668)	4.26	0.00	0.00	0.00	0.00	0.00	0.00	3.58	11.12	0.05	0.06	0.04	19.11
2014	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.23	108.17	65.55	85.22	90.31	45.10	394.58
2014	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	2.24	82.85	70.57	85.37	73.25	33.22	347.50
2014	47877	WELL 8 (HARN 50362 / L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	12.18	375.41	237.32	319.41	209.77	124.90	1278.99
2014	66194	WELL 9 (HARN 50392/L-28434)							126.40	288.42	196.13	219.10	197.80	126.95	1154.80
2014	66195	WELL 10 (HARN 51682/L-102504)							6.39	174.42	130.50	164.33	144.22	59.38	679.24
2014	66196	WELL 18 (HARN 52018/L-113433)	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
2014	47870	WELL 1 (HARN 1879/L-35539)	2.89	0.00	0.00	0.00	0.00	0.00	200.82	235.97	183.09	219.91	170.92	0.00	1013.60
2015	47871	WELL 2 (HARN 1912 / L-35536)	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
2013	47872	WELL 3 (HARN 50457 / L-35537)	3.20	0.00	0.00	0.00	0.00	0.00	22.33	91.47	88.91	90.06	75.27	0.00	371.24
2013	47873	WELL 4 (HARN 50241 / L-16814)	0.03	0.00	0.00	0.00	0.00	0.00	23.20	103.93	91.28	95.19	68.34	0.00	381.97
2013	47874	WELL 5 (HARN 50668)	0.03	0.00	0.00	0.00	0.00	0.00	13.40	18.17	16.57	18.50	15.84	0.00	82.51
2013	47875	WELL 6 (HARN 50422/L-28438)	0.03	0.00	0.00	0.00	0.00	0.00	25.43	165.71	162.26	190.45	158.07	0.00	701.95
2013	47876	WELL 7 (HARN 50890/L-)	35.71	0.00	0.00	0.00	0.00	0.00	68.26	83.61	72.36	88.97	78.68	0.00	427.59

		51625)																	
		WELL 8																	
2013	47877	(HARN 50362/ L-21297)	0.03	0.00	0.00	0.00	0.00	0.00	67.64	501.81	456.96	409.94	303.77	0.00	1740.15				
		WELL 1																	
2012	47870	(HARN 1879/L- 35539)	6.15	0.00	0.00	0.00	0.00	0.00	0.00	139.47	169.75	166.35	184.23	127.46	793.41				
		WELL 2																	
2012	47871	(HARN 1912 / L-35536)	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				
		WELL 3																	
2012	47872	(HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.92	63.32	83.48	109.27	88.39	403.38				
		WELL 4																	
2012	47873	(HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.23	79.34	80.16	77.63	85.51	396.87				
		WELL 5																	
2012	47874	(HARN 50668)	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				
		WELL 6																	
2012	47875	(HARN 50422/L- 28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.66	59.22	64.89	83.95	59.61	320.33				
		WELL 7																	
2012	47876	(HARN 50890/L- 51625)	1.84	0.00	0.00	0.00	0.00	0.00	7.69	35.71	70.65	61.69	74.57	56.33	308.48				
		WELL 8																	
2012	47877	(HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	441.59	436.11	575.79	510.32	492.58	2456.39				
		WELL 1																	
2011	47870	(HARN 1879/L- 35539)	24.60	0.00	0.00	0.00	0.00	0.00	0.00	13.53	74.28	121.78	205.52	60.46	500.17				
		WELL 2																	
2011	47871	(HARN 1912 / L-35536)	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				
		WELL 3																	
2011	47872	(HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.06	35.21	52.30	105.96	18.29	226.82				
		WELL 4																	
2011	47873	(HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.14	38.94	67.45	107.55	16.16	244.24				
		WELL 5																	
2011	47874	(HARN 50668)	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				
		WELL 6																	
2011	47875	(HARN 50422/L- 28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.35	26.77	37.23	82.20	0.02	151.57				
		WELL 7																	
2011	47876	(HARN	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.89	71.99	29.26	133.19				

2006	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	108.10	216.20
2006	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	108.10	216.20
2006	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	108.10	216.20
2006	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	106.88	106.88	106.88	106.88	106.88	427.52
2006	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.40	51.40	102.80
2006	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.40	51.40	102.80
2006	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239.78	239.78	239.78	239.78	959.12
2005	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	159.62	159.62	159.62	159.62	638.48
2005	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	6.60	6.60	6.60	6.60	6.60	39.60
2005	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.70	162.70	162.90	162.90	651.20
2004	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	97.50	97.50	97.50	390.00
2004	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.00	167.00	167.20	167.00	668.20
2004	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2000	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	72.00	72.00	72.00	72.00	72.00	72.00	432.00
2000	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	113.00	113.00	113.00	113.00	113.00	113.00	678.00
2000	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	38.00	38.00	38.00	38.00	38.00	38.00	228.00
2000	47877	WELL 8 (HARN 50362 / L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	365.00	365.00	365.00	365.00	365.00	365.00	2190.00

*The water year is named for the calendar year in which it ends. Example: the 2018 water year begins Oct. 1, 2017 and ends Sep. 30, 2018.

- The Water Resources Department makes reasonable efforts to screen the data for quality control; however, the Department cannot accept responsibility for errors, omissions, or accuracy of the information. Notification of any errors is appreciated. Send notifications to waterusc@wr.state.or.us or call (503) 986-0905.
- 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:
 - 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.

2004	47876	WELL 7 (HARN 50890/L- 51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	184.00	184.00	184.00	184.00	184.00	184.00	1104.00
2003	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	117.00	117.00	117.00	117.00	117.00	117.00	702.00
2003	47876	WELL 7 (HARN 50890/L- 51625)	0.00	0.00	0.00	0.00	0.00	32.80	32.80	32.80	32.80	32.80	32.80	196.80
2003	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	299.60	299.60	299.60	299.60	299.60	299.60	1797.60
2002	47870	WELL 1 (HARN 1879/L- 35539)	0.00	0.00	0.00	0.00	0.00	200.00	200.00	200.00	200.00	200.00	150.00	1150.00
2002	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	52.00	52.00	52.00	52.00	52.00	52.00	312.00
2002	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	57.00	57.00	57.00	57.00	57.00	57.00	342.00
2002	47876	WELL 7 (HARN 50890/L- 51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	290.00	295.00	295.00	295.00	295.00	290.00	1760.00
2001	47870	WELL 1 (HARN 1879/L- 35539)	0.00	0.00	0.00	0.00	0.00	8.60	255.00	292.00	228.00	238.00	34.30	1055.90
2001	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	174.00	110.00	162.00	161.00	34.00	641.00
2001	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	83.60	61.10	69.20	81.90	11.50	307.30
2001	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	11.40	436.20	218.40	223.80	312.00	58.80	1260.60
2000	47870	WELL 1 (HARN 1879/L- 35539)	0.00	0.00	0.00	0.00	0.00	185.00	185.00	185.00	185.00	185.00	184.00	1109.00



Oregon Water Resources Department
Water Rights in the Same Area

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- [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 18090 *

Right	Name	Decree	App	Permit	Cert	Priority	Status	Use	T-R-S-QQ	DLC	Gov't Lot	Acres									
CERT:14574 OR *	JAMES GIBSON	RATTLESNAKE CREEK			14574	12/31/1884	NC	IR	22.00S-32.50E-31-	?	1	17.2000									
									22.00S-32.50E-31-	?	4	21.4000									
									22.00S-32.50E-31-	?	2	31.9000									
									22.00S-32.50E-31-	?	3	32.2000									
									22.00S-32.50E-31-	?	1	17.2000									
									22.00S-32.50E-31-	?	4	21.4000									
									22.00S-32.50E-31-	?	2	31.9000									
									22.00S-32.50E-31-	?	3	32.2000									
									22.00S-32.50E-31-	?	1	17.2000									
									22.00S-32.50E-31-	?	4	21.4000									
									22.00S-32.50E-31-	?	2	31.9000									
									22.00S-32.50E-31-	?	3	32.2000									
									22.00S-32.50E-31-	?	1	17.2000									
									22.00S-32.50E-31-	?	4	21.4000									
									22.00S-32.50E-31-	?	2	31.9000									
									22.00S-32.50E-31-	?	3	32.2000									
									22.00S-32.50E-31-	?	1	17.2000									
									22.00S-32.50E-31-	?	4	21.4000									
									CERT:14577 OR *	FRED HAINES	RATTLESNAKE CREEK			14577	12/31/1896	NC	IR	22.00S-32.50E-30-	?	2	13.3000
																		22.00S-32.50E-30-	?	2	13.3000
22.00S-32.50E-30-	?	2	13.3000																		
22.00S-32.50E-30-	?	2	13.3000																		
CERT:14581 OR *	ESTATE OF EUGENIA REMBOLD	RATTLESNAKE CREEK			14581	12/31/1887	NC	IR	22.00S-32.50E-32-SWSW	■		39.7000									
									22.00S-32.50E-32-SESW	■		1.7000									
									22.00S-32.50E-32-NWSW	■		35.0000									
									22.00S-32.50E-32-NESW	■		2.6000									
						12/31/1895	NC	IR	22.00S-32.50E-32-SWNW	■		8.5000									
CERT:14583 OR *	THOMAS VICKERS	RATTLESNAKE CREEK			14583	12/31/1884	NC	IR	22.00S-32.50E-30-	?	1	1.0000									
									22.00S-32.50E-30-	?	1	29.8000									
									22.00S-32.50E-30-	?	1	1.0000									
									22.00S-32.50E-30-	?	1	29.8000									
									22.00S-32.50E-30-	?	1	1.0000									
									22.00S-32.50E-30-	?	1	29.8000									
22.00S-32.50E-30-	?	1	1.0000																		

					12/31/1890	NC	IR	22.00S-32.50E-30-		1	29.8000		
<u>CERT.14584 OR</u>	EARL WITHERS			ROCK CREEK, HARNEY COUNTY	14584	12/31/1884	NC	IR	22.00S-32.50E-30-		4	1.3000	
								IR	22.00S-32.50E-30-		4	1.3000	
								IR	22.00S-32.50E-30-		4	1.3000	
								IR	22.00S-32.50E-30-		4	1.3000	
					12/31/1886	NC	IR	22.00S-32.50E-31-SESE				26.7000	
								IR	22.00S-32.50E-31-SWSE				13.4000
								IR	22.00S-32.50E-31-NESE				40.0000
								IR	22.00S-32.50E-31-NWSE				40.0000
<u>CERT.14585 OR</u>	HARRY WITHERS			RATTLESNAKE CREEK	14585	12/31/1886	NC	IR	22.00S-32.50E-31-NENE				25.1000
								IR	22.00S-32.50E-31-SENE				35.5000
					12/31/1923	NC	IR	22.00S-32.50E-30-		3		12.5000	
								IR	22.00S-32.50E-30-SWNE				9.7000
								IR	22.00S-32.50E-30-		3		12.5000
								IR	22.00S-32.50E-30-		3		12.5000
								IR	22.00S-32.50E-30-		3		12.5000
								IR	22.00S-32.50E-30-SENE				1.5000
<u>CERT.38757 OR</u>	LEONA MCGEE	G-4058	G-3805	36757	9/1/1967	NC	IS	22.00S-32.50E-30-		4		25.9000	
								IS	22.00S-32.50E-30-		4		25.9000
								IS	22.00S-32.50E-30-		4		25.9000
								IS	22.00S-32.50E-30-		4		25.9000
<u>CERT.64787 OR</u>	DWIGHT K MIMS	G-8904	G-8910	64767	7/25/1978	NC	IS	22.00S-32.50E-32-SWSW				1.5000	
								IS	22.00S-32.50E-32-SESW				0.1000
<u>CERT.19922 OR</u>	HARRY WITHERS	S-23469	S-18514	19922	10/7/1948	NC	IR	22.00S-32.50E-30-NESE				18.7000	
								IR	22.00S-32.50E-30-SENE				8.2000
								IR	22.00S-32.50E-32-SWNW				31.5000
								IR	22.00S-32.50E-32-SENW				40.0000
								IR	22.00S-32.50E-32-NWNW				30.8000
								IR	22.00S-32.50E-32-NENW				32.2000
								IR	22.00S-32.50E-32-SWNE				32.2000

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
HC 73 174 HARNEY RD.
BURNS, OREGON 97720

PHONE: (541) 493-3645

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: EIGHT WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND, BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NE 1/4 SE 1/4, SECTION 33, NE 1/4 SW 1/4, SE 1/4 NE 1/4, SW 1/4 NE 1/4, SECTION 34, SW 1/4 NE 1/4, SECTION 30, NW 1/4 NE 1/4, SECTION 32, T22S, R32.5E, W.M.; WELL 1 - 90 FEET SOUTH & 2460 FEET EAST FROM NW CORNER, SECTION 33; WELL 2 - 330 FEET SOUTH & 2200 FEET EAST FROM NW CORNER, SECTION 33; WELL 3 - 1340 FEET NORTH & 1200 FEET WEST FROM SE CORNER, SECTION 33; WELL 4 - 2068 FEET NORTH & 2270 FEET EAST FROM SW CORNER, SECTION 34; WELL 5 - 1890 FEET SOUTH & 1100 FEET WEST FROM NE CORNER, SECTION 34; WELL 6 - 1350 FEET SOUTH & 1350 FEET WEST FROM NE CORNER, SECTION 34; WELL 7 - 1300 FEET NORTH & 1800 FEET EAST FROM SW CORNER, SE 1/4 NW 1/4, SECTION 30; WELL 8 - 220 FEET SOUTH & 2270 FEET WEST FROM NE CORNER, SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

	<u>PRIMARY</u>	<u>SUPPLEMENTAL</u>
NE 1/4 SW 1/4	38.0 ACRES	
NW 1/4 SW 1/4	38.0 ACRES	
SW 1/4 SW 1/4	40.0 ACRES	
SE 1/4 SW 1/4	40.0 ACRES	
	SECTION 29	

Application G-14678 Water Resources Department

PERMIT G-13539

RECEIVED
APR 26 2010
WATER RESOURCES DEPT.
SALEM, OREGON

C-10-1-2603

	<u>PRIMARY</u>	<u>SUPPLEMENTAL</u>
SW 1/4 NE 1/4	30.3 ACRES	
SE 1/4 NE 1/4	20.3 ACRES	
SE 1/4 NW 1/4	17.7 ACRES	
NE 1/4 SE 1/4	21.3 ACRES	
SE 1/4 SE 1/4	21.6 ACRES	
	SECTION 30	
NE 1/4 NE 1/4	14.9 ACRES	
	SECTION 31	
NE 1/4 NE 1/4	40.0 ACRES	
NW 1/4 NE 1/4	40.0 ACRES	
SW 1/4 NE 1/4	7.7 ACRES	32.3 ACRES
SE 1/4 NE 1/4	40.0 ACRES	
NE 1/4 NW 1/4	7.8 ACRES	32.2 ACRES
NW 1/4 NW 1/4	9.2 ACRES	30.8 ACRES
SW 1/4 NW 1/4		31.5 ACRES
SE 1/4 NW 1/4		40.0 ACRES
NW 1/4 SW 1/4	5.0 ACRES	
NE 1/4 SW 1/4	37.4 ACRES	
SE 1/4 SW 1/4	38.3 ACRES	
NE 1/4 SE 1/4	40.0 ACRES	
NW 1/4 SE 1/4	40.0 ACRES	
SW 1/4 SE 1/4	40.0 ACRES	
SE 1/4 SE 1/4	40.0 ACRES	
	SECTION 32	
NE 1/4 NE 1/4	31.4 ACRES	
NW 1/4 NE 1/4	31.4 ACRES	
SW 1/4 NE 1/4	31.4 ACRES	
SE 1/4 NE 1/4	31.4 ACRES	
NE 1/4 NW 1/4	31.4 ACRES	
NW 1/4 NW 1/4	31.4 ACRES	
SW 1/4 NW 1/4	31.4 ACRES	
SE 1/4 NW 1/4	31.4 ACRES	
NE 1/4 SE 1/4	31.4 ACRES	
NW 1/4 SE 1/4	31.4 ACRES	
SW 1/4 SE 1/4	31.4 ACRES	
SE 1/4 SE 1/4	31.4 ACRES	
	SECTION 33	
NE 1/4 NE 1/4	31.4 ACRES	
NW 1/4 NE 1/4	31.4 ACRES	
SW 1/4 NE 1/4	31.4 ACRES	
SE 1/4 NE 1/4	31.4 ACRES	
NE 1/4 NW 1/4	31.4 ACRES	
NW 1/4 NW 1/4	31.4 ACRES	
SW 1/4 NW 1/4	31.4 ACRES	
SE 1/4 NW 1/4	31.4 ACRES	
NE 1/4 SW 1/4	31.4 ACRES	
NW 1/4 SW 1/4	31.4 ACRES	
SW 1/4 SW 1/4	31.4 ACRES	
SE 1/4 SW 1/4	31.4 ACRES	
	SECTION 34	

TOWNSHIP 22 SOUTH, RANGE 32.5 EAST W.M.

Measurement, recording and reporting conditions:

- 1
meter #1
- 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.
- #3
- 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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

RECEIVED
APR 26 2010
WATER RESOURCES DEPT
941 PM OREGON

STANDARD CONDITIONS

Wells 2

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.

#7

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.

Actual construction of the well shall begin by September 30, 1999. Complete application of the water to the use shall be made on or before October 1, 2002. 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 November 12, 1998

10-1-2003

Martha Pagel for
Water Resources Department
Martha Pagel, Director

Application G-14678
Basin 12
LKS

Water Resources Department
Volume 2 RATTLESNAKE CR MISC
MGMT.CODE 7AG 7AR 7BG 7BR 3BW

PERMIT G-13539
District 10

7. For Permit G-17574 Permit Amendment Application T-12267 proposes to move an authorized point of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances from the authorized points of appropriation and additional points of appropriation are all approximately between 0.4 and 2.7 miles in distance. The changes and/or additional points are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	34	NW NE	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE WEST CORNER OF SECTION 34	APOA

8. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17574 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39.0
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30.0
22 S	32.5 E	WM	29	SE SE	30.0
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.2
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
Total:					1292.3

Supplemental Irrigation					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NE	32.30
22 S	32.5 E	WM	32	NE NW	32.20
22 S	32.5 E	WM	32	NW NW	30.80
22 S	32.5 E	WM	32	SW NW	31.50
22 S	32.5 E	WM	32	SE NW	40.00
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
Totals:					317.2

9. For Permit G-17575, Permit Amendment Application T-12267 proposes to move some of the authorized points of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances between the authorized points of appropriation and the proposed points of appropriation are between 0.4 and 3.0 miles. Descriptions of the points of appropriation and the type of change proposed are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	32	NW NE	WELL 20- 35 FEET SOUTH AND 1350 FEET WEST FROM THE NE CORNER OF SECTION 32	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	32	NW NW	WELL 22- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA

10. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17575 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.20
22 S	32.5 E	WM	33	NW SW	30.20
22 S	32.5 E	WM	33	SW SW	30.20
22 S	32.5 E	WM	33	SE SW	30.20
22 S	32.5 E	WM	34	NE SE	31.40
22 S	32.5 E	WM	34	NW SE	31.40
22 S	32.5 E	WM	34	SW SE	31.40
22 S	32.5 E	WM	34	SE SE	31.40
Total:					246.4

Partial Diminishment of a Water Right

11. On September 26, 2016, the Department received an affidavit from Andy Root, Permit Holder of Water Right Permit G-17574, the affidavit diminishes a portion of Permit G-17574 from Primary Irrigation to Supplemental Irrigation and is described as follows:

Permit: G-17574 in the name of ANDY ROOT (perfected under Permit G-13539)
Use: SUPPLEMENTAL IRRIGATION of 128.7 ACRES
Priority Date: FEBRUARY 2, 1998
Rate: 1.61 CUBIC FEET PER SECOND
Limit/Duty: 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.
Source: TWELVE WELLS within the RATTLESNAKE CREEK BASIN

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FEET SOUTH AND 660 FEET WEST 90 FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FORM THE NW CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FORM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5 FEET SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

Authorized Place of Use to be diminished:

Lands Diminished from Primary to Supplemental					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	NE NE	32.9
22 S	32.5 E	WM	32	NW NE	2.2
22 S	32.5 E	WM	32	SW NE	1.4
22 S	32.5 E	WM	32	SE NE	31.3
22 S	32.5 E	WM	32	NE SW	14.6
22 S	32.5 E	WM	32	NE SE	8.8
22 S	32.5 E	WM	32	NW SE	4.6
22 S	32.5 E	WM	32	SW SE	10.1
22 S	32.5 E	WM	32	SE SW	10.4
22 S	32.5 E	WM	32	SE SE	12.4
Total					128.7

Permit Amendment Review Criteria

12. The changes would not result in injury to other water rights.
13. The proposed place of use is owned and/or controlled by the permit holder.
14. The changes do not enlarge the permit.
15. The changes do not alter any other terms of the permit.
16. The proposed place of use is contiguous to the authorized place of use.

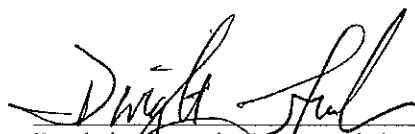
Conclusions of Law

The change in point of appropriation, additional point of appropriation, change in place of use and diminishment of a portion of a permit proposed by Permit Amendment Application T-12267 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The change in point of appropriation, additional points of appropriation, change in place of use, and the diminishment of a permit proposed by Permit Amendment Application T-12267 are approved.
2. Permits G-18090 and G-18091, both in the name of Andy Root, are issued to replace Permit G-17574 and Permit G-17575, and incorporate the amendments approved by this order. Permits G-17574 and G-17575, both in the name of Andy Root, are no longer of any force or effect.
3. The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).
4. The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.
5. Water use measurement conditions:
 - a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
 - b. The water user shall maintain the meters or measuring devices in good working order.
 - c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.
6. Water shall be acquired from the same aquifer as the original points of appropriation.
7. The former place of use shall no longer be irrigated as part of these permits.
8. All other terms and conditions of Permits G-18090 and G-18091 remain the same.

Dated at Salem, Oregon this OCT 08 2018.



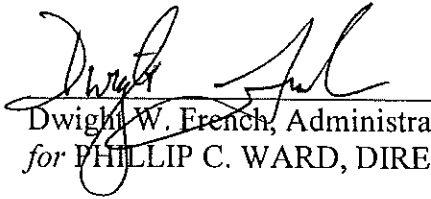
Dwight French, Water Right Services Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

Mailing Date: OCT 09 2018

ORDER

The extension of time for Application G-14678, Permit G-13539, therefore, is approved. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 2011 to October 1, 2018.

DATED: March 28, 2014



Dwight W. French, Administrator, Water Right Services Division,
for PHILLIP C. WARD, DIRECTOR

-
- If you have any questions about statements contained in this document, please contact Steven Parrett at (503) 986-0825.
 - 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
-

Application History

Permit G-13539 was issued by the Department on November 12, 1998. The permit called for actual construction of the well to begin by September 30, 1999 and complete application of water to beneficial use by October 1, 2002, previously extended to October 1, 2011. On March 26, 2013, Andy Root submitted to the Department an Application for Extension of Time for Permit G-13539. In accordance with OAR 690-315-0050(2), on September 24, 2013, the Department issued a Proposed Final Order proposing to extend the time to complete construction and the time to fully apply water to beneficial use to October 1, 2018. The protest period closed November 8, 2013, in accordance with OAR 690-315-0060(1). No protest was filed.

Findings of Fact

Except as expressly stated herein, the Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated September 24, 2013.

Exceptions to the Proposed Final Order:

The permit does not contain a deadline date by which construction must be completed, so it is not necessary to extend the deadline for completing construction of the water system as was requested in the Application for Extension of Time and as proposed by the Department in the Proposed Final Order. This Final Order, therefore, does not incorporate an extension of the time to complete construction of the water system.

The Application for Extension of Time notes the construction of "Well 10" in December, 2009. Well 10 is not currently authorized by Permit G-13539 as a water source on this permit. A Permit Amendment to add this well must be approved by the Department prior to becoming an authorized well under this permit.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, any comments received, and information within the file, the permit may be extended subject to no additional conditions.

CONCLUSION OF LAW

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

**Oregon Water Resources Department
Water Right Services Division**

Water Rights Application
Number G-14678

Final Order

**Extension of Time for Permit Number G-13539
Permit Holder: Andy Root**

Permit Information

Application File G-14678 Permit G-13539
Basin: 12 – Malheur Lake / Watermaster District 10
Date of Priority: February 2, 1998

Authorized Use of Water

Source of Water: Eight Wells in Rattlesnake Creek Basin
Purpose of Use: Primary irrigation of 1421.1 Acres and supplemental
irrigation of 166.8 acres
Maximum Rate: 16.81 Cubic Feet per Second (cfs), being 3.8 cfs from Well
1, 1.1 cfs Well 2, 2.8 cfs Well 3, 2.86 cfs Well 4, 1.6 cfs
Well 5, 0.32 cfs Well 6, 0.33 cfs Well 7, 4.0 cfs Well 8

This Extension of Time request is being processed in accordance with Oregon Revised Statute 537.630 and 539.010(5), and Oregon Administrative Rule Chapter 690, Division 315

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.

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation, an additional point of appropriation and a change in the place of use, and the partial diminishment proposed under Permit Amendment Application T-12267 and approved by Special Order Vol. 109, Pages 546-551, entered October 8, 2018. This permit supersedes Permit G-17574.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: ^{thirteen} FIFTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1292.4 ACRES AND SUPPLEMENTAL IRRIGATION OF 295.5 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS ~~WELL 1~~, 1.1 CFS ~~WELL 2~~, 2.8 CFS ~~WELL 3~~, 2.86 CFS ~~WELL 4~~, 1.6 CFS ~~WELL 5~~, 0.32 CFS ~~WELL 6~~, 0.33 CFS ~~WELL 7~~, 4.0 CFS ~~WELL 8~~, OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, 20, 21, AND 22. Further limited to 1.49 CFS from well 1, 0.75 CFS from well 2, 1.35 CFS from well 3, 1.67 CFS from well 4, 1.09 CFS from well 5, 1.02 CFS from well 6, 0.34 CFS from well 6A, 1.03 CFS from well 7, 2.06 CFS from well 8, 1.01 CFS from well 9, 2.04 CFS from well 10, 1.71 CFS from well 18, 3.13 CFS from well 22

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q'	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 10 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34 33	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Original
Original
Original
Original
Original

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	
Original	22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
Additional	22 S	32.5 E	WM	34	NW NE	WELL 6A: 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH 1/4 CORNER OF SECTION 34
Original	22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
Original	22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
Original	22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
Original	22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
Original	22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
Additional	22 S	32.5 E	WM	29	SW SE	WELL 20: 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29
Additional	22 S	32.5 E	WM	32	NW NW	WELL 21: 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32
Additional	22 S	32.5 E	WM	34	NW NE NE SW	WELL 22: 1 FEET SOUTH AND 1500 FEET EAST FROM THE W1/4 CORNER OF SECTION 33

33

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30
22 S	32.5 E	WM	29	SE SE	30
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.3
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4

6 lot 2

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
Total:					1292.4

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	SW NE	31.7
22 S	32.5 E	WM	32	NE NW	27.5
22 S	32.5 E	WM	32	NW NW	24.6
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	29.8
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
Total:					295.5

PERMIT AMENDMENT T-12267 CONDITIONS

The quantity of water diverted at the new point of appropriation (~~Well 20~~) shall not exceed the quantity of water lawfully available at the original point of appropriation (~~Well 19~~).

No well 20

The combined quantity of water diverted at the new points of appropriation (Wells 6A, ~~21~~, and ~~22~~) together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water use measurement conditions:

- YES installed

- a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
- b. The water user shall maintain the meters or measuring devices in good working order.
- c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation.

PERMIT AMENDMENT T-11803 CONDITIONS

Repeat of above

The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

nope need to include !!

Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

Original Permit Conditions

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.

Repeat

Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING PERMIT CONDITIONS

Measurement, recording and reporting conditions: *yes OK*

- 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.

- need to locate in office

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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.

exemption filed not approved?

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, 2018. 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 Right Examiner (CWRE).

Issued OCT 08 2018

*C 10-1-2018
Claim Says
10-1-2018*



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

Checklist for Claims of Beneficial Use Received at CSG Counter

Application # <i>G-14678</i>	WRD Reviewer <i>Mary BjorE</i>
Transfer #	
Date Received <i>10-15-18</i>	
CWRE Name <i>South Montgomery</i>	

Priority Date: *Feb. 2, 1998*

Fees Required:

YES NO A fee of \$200 must accompany this form for permits with priority dates of July 9, 1987, or later.

YES NO A fee of \$200 must accompany this form for any transfers 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.

Fill in App or Transfer Number

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))
- CWRE stamp and signature (OAR 690-014 & 310-0050)
- Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- Township, range, section, and tax lot numbers (OAR 690-310-0050(4))

Report Review:

- On form 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 all permittee of transfer holder (OAR 690-014-0100)

MONEY SLIP

DATE: _____ RECEIPT #: _____

RECEIVED FROM: _____ APPLICATION PERMIT TRANSFER

CASH CHECK # OTHER (IDENTIFY) TOTAL RECD \$

TREASURY 417F MISC CASH ACCT.

0407 MISCELLANEOUS 4611 \$

0410 COPY & TIME FEES \$

0408 RESEARCH FEES \$

0408 MISC REVENUE (IDENTIFY) \$

10182 DEPOSIT (LSE IDENTIFY) \$

0140 EXTENSION OF TIME \$

WATER RIGHTS EXAM FEE RECORD FEE

0201 SURFACE WATER \$ 0202 \$

0203 GROUND WATER \$ 0204 \$

0205 TRANSFER \$

WELL CONSTRUCTION EXAM FEE RECORD FEE

0216 WELL DRILL CONSTRUCTION \$ 0219 \$

LABORER'S PERMIT \$ 0220 \$

0200 OTHER (IDENTIFY) *COBU* \$

0407 TREASURY 0407 HYDROELECTRIC

0223 POWER LICENSE FEE (FWWRD) \$

0224 HYDRO LICENSE FEE (FWWRD) \$

HYDRO APPLICATION \$

SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT - LETTER ATTACHED

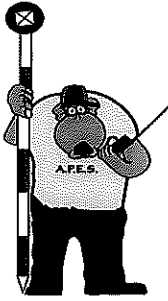
Groundwater File Review:

Pump Test Required? YES NO Pump Test Submitted? YES NO*

Pump Test Multiple Well Exemption Request Form Rec'd. & forwarded

*If no, include pump test flyer w/acknowledgment letter to GW 10-18-18

COBU MAP # 1152



ALL POINTS
ENGINEERING & SURVEYING, INC.
P.O. Box 767 (CRR)
Terrebonne, Oregon 97760

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TRANSMITTAL

To: Oregon Water Resources Dept
725 Summer St NE, Suite A
Salem, OR 97301-1266

Date 10/10/2018
Attention: COBU
RE: COBU's G-18090 & 18091

Prints Plans Plat Specifications.

Attached are two Claim of Beneficial Use's & Final Proof Map's for T-12267, Permits G-18090 & 18091 for Andy Root.

If you have any questions please call or email me.

Copies	No.	Description
1	1	Claim of Beneficial Use (G-18090) (35 pages letter bond)
1	2	Final Proof map (for both permits) (1 page mylar)
1	3	Pump Test Exemption fm w/well logs (for both permits) (18 pages letter bond)
1	4	Aerial Imagery (for both permits) (1 page letter bond)
1	5	2 Checks (1 for G-18090 & 1 for 18091 for \$400)
1	6	Claim of Beneficial Use (G-18091) ((34 pages letter bond)

Signed: Deivise Montgomery

CLAIM OF BENEFICIAL USE for Groundwater Permits claiming more than 0.1 cfs



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 \$200 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

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:
http://www.oregon.gov/owrd/pages/wr/cwre_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.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

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
http://www.oregon.gov/owrd/pages/mgmt_reimbursement_authority.aspx

SECTION 1

GENERAL INFORMATION

1. File Information

APPLICATION #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
G-14678	G-18090	T-12267

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2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME Rattlesnake Creek Land & Cattle, LLC/Andy Root		PHONE NO. 541-573-3615	ADDITIONAL CONTACT NO.
ADDRESS 524 Hwy 20 N			
CITY Hines	STATE OR	ZIP 97738	E-MAIL

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each permit holder of record must sign this form.***

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

PERMIT HOLDER OF RECORD Same as above		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection: **August 21, 2018**

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Andy Root	August 21, 2018	Owner

6. County: **Harney**

7. If any property described in the place of use of the permit is excluded from this report, identify the owner of record for that property (ORS 537.230(4)):

OWNER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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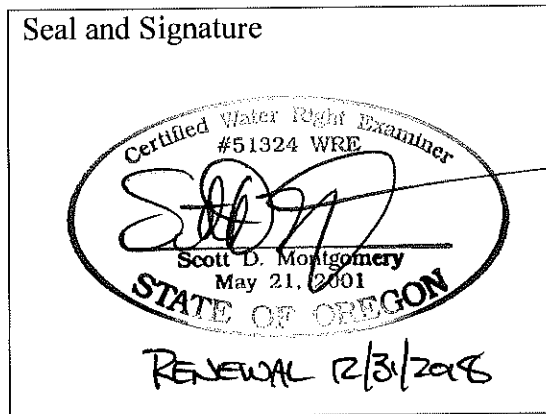
OCT 15 2018

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**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 Scott D. Montgomery		PHONE NO. 541-548-5833	ADDITIONAL CONTACT NO. 541-420-0401
ADDRESS PO Box 767			
CITY Terrebonne	STATE OR	ZIP 97760	E-MAIL scott@apeands.com

Permit Holder of Record Signature or Acknowledgement

Each permit 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
<i>Andy Root</i>	Andy Root	Permit Holder	9-11-18

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SECTION 3

CLAIM DESCRIPTION

1. Point of appropriation name or number:

POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
#1	HARN 1879	L-35539
#2	HARN 1912	L-35536
#3	HARN 50457	L-35537
#4	HARN 50241	L-16814
#5	HARN 50668	L-35538
#6	HARN 50422	L-28438
#6a		
#7	HARN 50890	L-51625
#8	HARN 50362	L-21257
#9	HARN 50392	L-28434
#10	HARN 51682	L-102504
#18	HARN 52018	L-113433
#22	HARN 52481	L-120015

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 appropriation source, if indicated on permit:

POA NAME OR NUMBER	SOURCE BASIN LOCATED WITHIN	TRIBUTARY
#1	Rattlesnake Creek Basin	Malheur Lake Basin
#2	Rattlesnake Creek Basin	Malheur Lake Basin
#3	Rattlesnake Creek Basin	Malheur Lake Basin
#4	Rattlesnake Creek Basin	Malheur Lake Basin
#5	Rattlesnake Creek Basin	Malheur Lake Basin
#6	Rattlesnake Creek Basin	Malheur Lake Basin
#6a	Rattlesnake Creek Basin	Malheur Lake Basin
#7	Rattlesnake Creek Basin	Malheur Lake Basin
#8	Rattlesnake Creek Basin	Malheur Lake Basin
#9	Rattlesnake Creek Basin	Malheur Lake Basin
#10	Rattlesnake Creek Basin	Malheur Lake Basin
#18	Rattlesnake Creek Basin	Malheur Lake Basin
#22	Rattlesnake Creek Basin	Malheur Lake Basin

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

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)
#1	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	1.45 cfs
#2	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	0.75 cfs
#3	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	1.21 cfs
#4	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	1.69 cfs
#5	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	0.73 cfs
#6	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	0.62 cfs
#6a	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	0.21 cfs
#7	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	1.03 cfs
#8	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	1.74 cfs
#9	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	0.83 cfs
#10	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	2.72 cfs
#18	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	1.61 cfs
#22	IR & IS	Alfalfa/Hay	Apr 1 – Sept 30	2.11 cfs
Total Quantity of Water Used				16.70 cfs

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

Water is pumped from all 13 wells into a combined irrigation system that conveys by buried pipe to 14 center pivot sprinklers & a mainline with risers that flood irrigate the NW'ly part.

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 appropriation. 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.")

The permit allowed 16 points of appropriation. The water user only developed 13 wells.

6. Claim Summary:

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POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
#1	3.8 cfs	1.49 cfs	1.45 cfs	IR/IS	1587.9**	1587.9**
#2	1.1 cfs	0.75 cfs		IR/IS	1587.9**	1587.9**
#3	2.8 cfs	1.35 cfs	1.21 cfs	IR/IS	1587.9**	1587.9**
#4	2.86 cfs	1.67 cfs	1.69 cfs	IR/IS	1587.9**	1587.9**
#5	1.6 cfs	1.09 cfs	0.73 cfs	IR/IS	1587.9**	1587.9**
#6	0.32 cfs	1.02 cfs	0.62 cfs	IR/IS	1587.9**	1587.9**
#6a	*	0.34 cfs	0.21 cfs	IR/IS	1587.9**	1587.9**
#7	0.33 cfs	1.03 cfs		IR/IS	1587.9**	1587.9**
#8	4.0 cfs	2.06 cfs	1.74 cfs	IR/IS	1587.9**	1587.9**
#9	*	1.01 cfs	0.83 cfs	IR/IS	1587.9**	1587.9**
#10	*	2.04 cfs	2.72 cfs	IR/IS	1587.9**	1587.9**
#18	*	1.71 cfs	1.61 cfs	IR/IS	1587.9**	1587.9**
#22	*	3.13 cfs	2.11 cfs	IR/IS	1587.9**	1587.9**

***Wells 6a, 9, 10, 18 & 22 can combine to provide 16.81 cfs**

****Total area "IR" and "IS" combined from all wells**

SECTION 4 SYSTEM DESCRIPTION

Are there multiple POAs?

YES

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

#1 (HARN 1879)

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NO

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A. Place of Use

1. Is the right for municipal use?

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	29	NE SW			IR	20.4	
22S	32.5E	WM	29	NW SW			IR	27.7	
22S	32.5E	WM	29	SW SW			IR	39.0	
22S	32.5E	WM	29	SE SW			IR	39.9	
22S	32.5E	WM	29	SW SE			IR	30.0	
22S	32.5E	WM	29	SE SE			IR	30.0	
22S	32.5E	WM	30	SW NE			IR	27.6	
22S	32.5E	WM	30	SE NE			IR	10.3	
22S	32.5E	WM	30	SW NW	2		IR	17.7	
22S	32.5E	WM	30	NE SE			IR	20.2	
22S	32.5E	WM	31	NE NE			IR & IS	5.3	1.7
22S	32.5E	WM	31	SE NE			IR & IS	2.6	19.2
22S	32.5E	WM	31	NE SE			IS		33.1
22S	32.5E	WM	31	NW SE			IS		7.6
22S	32.5E	WM	31	SW SE			IR & IS	3.7	4.3
22S	32.5E	WM	31	SE SE			IR & IS	11.8	19.9
22S	32.5E	WM	32	NE NE			IR	7.1	
22S	32.5E	WM	32	NW NE			IR	37.8	
22S	32.5E	WM	32	SW NE			IR & IS	6.3	31.7
22S	32.5E	WM	32	SE NE			IR	8.7	
22S	32.5E	WM	32	NE NW			IR & IS	6.2	27.5
22S	32.5E	WM	32	NW NW			IR & IS	9.2	24.6
22S	32.5E	WM	32	SW NW			IS		40.0
22S	32.5E	WM	32	SE NW			IS		29.8
22S	32.5E	WM	32	NE SW			IR & IS	22.8	3.1
22S	32.5E	WM	32	NW SW			IR & IS	3.3	28.5
22S	32.5E	WM	32	SW SW			IS		23.6
22S	32.5E	WM	32	SE SW			IR & IS	27.1	0.9
22S	32.5E	WM	32	NE SE			IR	31.2	
22S	32.5E	WM	32	NW SE			IR	35.4	
22S	32.5E	WM	32	SW SE			IR	29.9	
22S	32.5E	WM	32	SE SE			IR	27.6	
22S	32.5E	WM	33	NE NE			IR	31.4	
22S	32.5E	WM	33	NW NE			IR	31.4	
22S	32.5E	WM	33	SW NE			IR	31.4	
22S	32.5E	WM	33	SE NE			IR	31.4	
22S	32.5E	WM	33	NE NW			IR	31.4	
22S	32.5E	WM	33	NW NW			IR	31.4	

TWP	RNG	MER	SEC	QQ	GLot	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	33	SW NW			IR	31.4	
22S	32.5E	WM	33	SE NW			IR	31.4	
22S	32.5E	WM	33	NE SE			IR	31.4	
22S	32.5E	WM	33	NW SE			IR	31.4	
22S	32.5E	WM	33	SW SE			IR	31.4	
22S	32.5E	WM	33	SE SE			IR	31.4	
22S	32.5E	WM	34	NE NE			IR	31.4	
22S	32.5E	WM	34	NW NE			IR	31.4	
22S	32.5E	WM	34	SW NE			IR	31.4	
22S	32.5E	WM	34	SE NE			IR	31.4	
22S	32.5E	WM	34	NE NW			IR	31.4	
22S	32.5E	WM	34	NW NW			IR	31.4	
22S	32.5E	WM	34	SW NW			IR	31.4	
22S	32.5E	WM	34	SE NW			IR	31.4	
22S	32.5E	WM	34	NE SW			IR	31.4	
22S	32.5E	WM	34	NW SW			IR	31.4	
22S	32.5E	WM	34	SW SW			IR	31.4	
22S	32.5E	WM	34	SE SW			IR	31.4	
Total Acres Irrigated								1292.4	295.5

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 and apply the water from the point of 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
UNK	UNK	UNK	Turbine	12"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	125

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)
125	40	475'	15'	1.49

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5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(125)}{591.6} = 1.49 \text{ cfs}$$

Total head = 101.6' + 475' + 15' = 591.6'

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)
543.744 AF	543.754 AF	5 min	1.45

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
10"	2279 LF	Steel	Buried
8"	1352 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3/4"	40	50	3	3	0.33

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Valley #1	1320'	40	900	2.0
Valley #2	1320'	40	900	2.0
Valley #3	1320'	40	900	2.0
Valley #4	1320'	40	900	2.0
Valley #5	1320'	40	900	2.0
Valley #6	1320'	40	900	2.0
Valley #7	1320'	40	900	2.0
Valley #8	1320'	40	900	2.0
Valley #9	1320'	40	900	2.0
Valley #10	1320'	40	900	2.0
Valley #15	1320'	40	900	2.0
	1290'	40	900	2.0
	1100'	40	850	1.9
	1100'	40	850	1.9

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12. Additional notes or comments related to the system:

Well #1 contributes water to the entire place of use.

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:

3" capped pipe out of N side of casing

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
See 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.

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

#2 (HARN 1912)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

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 and apply the water from the point of appropriation to the place of use.

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YES

1. Is a pump used?
2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Johnston	UNK	UNK	Turbine	12"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	50

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)
50	40	350'	15'	0.75

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(50)}{466.6} = 0.75 \text{ cfs}$$

$$\text{Total head} = 101.6' + 350' + 15' = 466.6'$$

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 on			

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
6"	80 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #2 contributes water to the entire place of use.

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:

3/4" gap between pump & casing S side

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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
See 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.

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

#3 (HARN 50457)

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A. Place of Use

1. Is the right for municipal use?

NO

TWP	R N G	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
Same as #1									

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 and apply the water from the point of 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
Vertiline	UNK	UNK	Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	100

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)
100	40	400'	20'	1.35

5. Provide pump calculations:

$$Q = 7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp} = (7.04)(100) = 1.35 \text{ cfs}$$

Total Head, ft 521.6

$$\text{Total head} = 101.6' + 400' + 20' = 521.6'$$

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)
3.790 AF	3.795 AF	3 min	1.21

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8'	25 LF	Steel	Above Ground

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

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10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

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12. Additional notes or comments related to the system:

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Well #3 contributes water to the entire place of use.

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:

1 1/2" capped pipe N side of casing

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
See 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.

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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

#4 (HARN 50241)

A. Place of Use

1. Is the right for municipal use? NO

TWP	R N G	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
Same as #1									

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 and apply the water from the point of 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
American	UNK	111130	Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	100

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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)
100	40	300'	20'	1.67

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(100)}{421.6} = 1.67 \text{ cfs}$$

Total head = 101.6' + 300' + 20' = 421.6'

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)
54.377AF	54.384AF	3 min	1.69

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	2782 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #4 contributes water to the entire place of use.

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:

1" uncapped pipe S side of casing

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
See 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.

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

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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

#5 (HARN 50668)

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of 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
UNK	UNK	UNK	Submersible	12"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
Unk	50

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)
50	40	200'	20'	1.09

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(50)}{321.6} = 1.09 \text{ cfs}$$

$$\text{Total head} = 101.6' + 200' + 20' = 321.6'$$

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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)
5.663AF	5.667AF	4 min	0.73

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6"	30 LF	Steel	Buried
8"	2900 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #5 contributes water to the entire place of use.

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:

2" hole in plate top of casing NE side

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
See 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.

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

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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

#6 (HARN 50422)

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of 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
Aurora Verti-line	UNK	UNK	Turbine	12"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	75

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)
75	40	400	15'	1.02

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(75)}{516.6} = 1.02 \text{ cfs}$$

$$\text{Total head} = 101.6' + 400' + 15' = 516.6'$$

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)
43.382AF	43.384AF	2 min, 20 sec	0.62

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

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YES

7. Is the distribution system piped?

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	20 LF	Steel	Above Ground

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #6 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

YES

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

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

2 1/2" pipe S side of casing

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
See 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.

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

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#6a

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of 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
UNK	UNK	UNK	Submersible	14"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
UNK	UNK

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)
25	40	400'	15'	0.34

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(25)}{516.6} = 0.34 \text{ cfs}$$

$$\text{Total head} = 101.6' + 400' + 15' = 516.6'$$

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)
20.647AF	20.649AF	7 min	0.21

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
6"	30 LF	Steel	Above Ground

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

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11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #6a contributes water to the entire place of use.

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:

2" open/uncapped pipe W side of casing

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
See 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.

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

#7 (HARN 50890)

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of appropriation to the place of use.

1. Is a pump used?

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YES

OCT 15 2018

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
UNK	UNK	UNK	Submersible	14"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
UNK	

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)
75	40	400'	10'	1.03

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(75)}{511.6} = 1.03 \text{ cfs}$
Total head = 101.6' + 400' + 10' = 511.6'

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 on			

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6"	2195 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as 1

12. Additional notes or comments related to the system:

Well #7 contributes water to the entire place of use.

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:

2" capped plug S side

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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
See 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.

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

#8 (HARN 50362)

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of 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
Gould	UNK	S2125451	Turbine	16"	12"

3. Motor Information

MANUFACTURER	HORSEPOWER
Marathon Electric	150

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OCT 15 2008

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)
150	40	400'	10'	2.06

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(150)}{511.6} = 2.06 \text{ cfs}$$

Total head = 101.6' + 400' + 10' = 511.6'

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)
246.812	246.820	3 min, 20 sec	1.74

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	3550 LF	Steel	Buried
8"	1500 LF	Steel	Buried
6"	4283 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #8 contributes water to the entire place of use.

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:

3/4" threaded plug NE top of casing

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
See well log						

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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.

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

#9 (HARN 50392)

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of 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
WM	UNK	12W0255	Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
Newsom	75

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)
75	40	400'	20'	1.01

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(75)}{521.6} = 1.01 \text{ cfs}$

$\text{Total head} = 101.6' + 400' + 20' = 521.6'$

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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)
41.571AF	41.575AF	3 min, 30 sec	0.83

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	2759 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #9 contributes water to the entire place of se

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:

3/4" Hole/Gap E side pump base

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
See 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.

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

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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

2. Complete the table:

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

#10 (HARN 51682)

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A. Place of Use

1. Is the right for municipal use? Same as #1

OCT 15 2018

NO

B. Diversion and Delivery System Information

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Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of 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
Western	UNK	2735D16JOI	Turbine		8"

3. Motor Information

MANUFACTURER	HORSEPOWER
Westinghouse	150

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)
150	40	400'	15'	2.04

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(150)}{516.6} = 2.04 \text{ cfs}$$

$$\text{Total head} = 101.6' + 400' + 15' = 516.6'$$

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)
400.528 AF	400.548 AF	5 min, 20 sec	2.72

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	6628 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #10 contributes water to the entire place of use.

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:

2" capped pipe E side of casing

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
See 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.

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

#18 (HARN 52018)

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A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of 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
Fairbanks Morse	UNK	UNK	Turbine		8"

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	100

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)
100	40	300'	10'	1.71

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(100)}{411.6} = 1.71 \text{ cfs}$$

$$\text{Total head} = 101.6' + 300' + 10' = 411.6'$$

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)
639.148 AF	639.158 AF	4 min, 30 sec	1.61

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	3100 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

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12. Additional notes or comments related to the system:

Well #18 contributes water to the entire place of use.

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:

2" capped pipe NE side of casing

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
See 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.

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

#22 (HARN 52481)

A. Place of Use

1. Is the right for municipal use? Same as #1

NO

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 and apply the water from the point of appropriation to the place of use.

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1. Is a pump used?

YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Fairbanks Morse	UNK	15624	Turbine	14"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	250

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)
250	40	450'	10'	3.13

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(250)}{561.6} = 3.13 \text{ cfs}$$

$$\text{Total head} = 101.6' + 450' + 10' = 561.6'$$

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)
153.491AF	153.507AF	5 min, 30 sec	2.11

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	3400 LF	Steel	Buried
8"	7130 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #22 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

YES

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

2" threaded plug SE side of casing

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
See 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.

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

Attach measurement notes.

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

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**SECTION 5
CONDITIONS**

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

1. Time Limits:

Permits and 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 or permit extension order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	11/12/1998		
BEGIN CONSTRUCTION (A)	10/30/1999	9/1/1999	Well #3 constructed

COMPLETE CONSTRUCTION (B)	NA	NA	NA
COMPLETE APPLICATION OF WATER (C)	10/1/2018	8/21/2018	Wells, conveyances & sprinklers constructed. Alfalfa fields developed & water use reported.

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

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

3. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? YES

c. Was the measurement submitted to the Department? YES

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

4. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? YES

b. Provide the month, or months, the static water level measurement(s) were to be made:

March

c. Were the static water level measurements taken in the month(s) required? YES

d. If "YES", were those measurements submitted to the Department? YES

e. If the annual measurements were not submitted, provide the measurements now:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

5. Pump Test (Required for most ground water permits prior to issuance of a certificate)

a. Did the permit require the submittal of a pump test? YES

b. Has the pump test been previously submitted to the Department? NO

c. Is the pump test attached to this claim? NO

d. Has the pump test been approved by the Department? NO

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

6. Measurement Conditions:

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

b. Has a meter been installed? YES

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c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
#1	McCrometer	15-01185-10	Running	543.754 AF	2015
#2	+GF+	61804170092	Not running	0 AF	2018
#3	+GF+	61804170097	Running	3.795 AF	2018
#4	+GF+	61804170101	Running	54.384 AF	2018
#5	+GF+	61804170102	Running	5.667 AF	2018
#6	+GF+	61804030540	Running	43.384 AF	2018
#6a	+GF+	61804030539	Running	20.649 AF	2018
#7	+GF+	61804030521	Not running	44.319 AF	2018
#8	McCrometer	15-01179-12	Running	246.820 AF	2015
#9	+GF+	61804030541	Running	41.575 AF	2018
#10	McCrometer	15-01176-08	Running	400.548 AF	2015
#18	McCrometer	15-01175-08	Running	639.158 AF	2015
#22	McCrometer	16-07386-10	Running	153.507 AF	2016

7. 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

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

8. Other conditions required by permit, permit amendment final order, or extension final order:

a. Were there special well construction standards? NO

b. Was submittal of a ground water monitoring plan required? YES

c. Was submittal of a water management and conservation plan required? NO

d. 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):

Ground water monitoring plan submitted by Bill Beal and approved by Mike Zwart in October 2002.

SECTION 6 ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Well logs	HARN 1879, 1912, 50457, 50241, 50668, 50422, 50890, 50362, 50392, 51682, 52018 & 52481
Aerial imagery	NRCS 2016 aerial imagery
Pump Test	Pump Test Exemption Form

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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 wells, conveyances, sprinklers & place of use were tied to approx. property lines using survey grade GPS receivers in SPC OR-S 3602 in RTK autonomous mode. Points and lines were compared with 2016 NRCS aerial imagery for accuracy.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.

(Reminder: Incomplete maps and/or claims may be returned.)

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

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7. For Permit G-17574 Permit Amendment Application T-12267 proposes to move an authorized point of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances from the authorized points of appropriation and additional points of appropriation are all approximately between 0.4 and 2.7 miles in distance. The changes and/or additional points are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	34	NW NE	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE WEST CORNER OF SECTION 34	APOA

8. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17574 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39.0
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30.0
22 S	32.5 E	WM	29	SE SE	30.0
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.2
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
Total:					1292.3

Supplemental Irrigation					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NE	32.30
22 S	32.5 E	WM	32	NE NW	32.20
22 S	32.5 E	WM	32	NW NW	30.80
22 S	32.5 E	WM	32	SW NW	31.50
22 S	32.5 E	WM	32	SE NW	40.00
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
Totals:					317.2

9. For Permit G-17575, Permit Amendment Application T-12267 proposes to move some of the authorized points of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances between the authorized points of appropriation and the proposed points of appropriation are between 0.4 and 3.0 miles. Descriptions of the points of appropriation and the type of change proposed are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	32	NW NE	WELL 20- 35 FEET SOUTH AND 1350 FEET WEST FROM THE NE CORNER OF SECTION 32	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	32	NW NW	WELL 22- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA

10. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17575 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.20
22 S	32.5 E	WM	33	NW SW	30.20
22 S	32.5 E	WM	33	SW SW	30.20
22 S	32.5 E	WM	33	SE SW	30.20
22 S	32.5 E	WM	34	NE SE	31.40
22 S	32.5 E	WM	34	NW SE	31.40
22 S	32.5 E	WM	34	SW SE	31.40
22 S	32.5 E	WM	34	SE SE	31.40
Total:					246.4

Partial Diminishment of a Water Right

11. On September 26, 2016, the Department received an affidavit from Andy Root, Permit Holder of Water Right Permit G-17574, the affidavit diminishes a portion of Permit G-17574 from Primary Irrigation to Supplemental Irrigation and is described as follows:

Permit: G-17574 in the name of ANDY ROOT (perfected under Permit G-13539)
Use: SUPPLEMENTAL IRRIGATION of 128.7 ACRES
Priority Date: FEBRUARY 2, 1998
Rate: 1.61 CUBIC FEET PER SECOND
Limit/Duty: 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.
Source: TWELVE WELLS within the RATTLESNAKE CREEK BASIN

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FEET SOUTH AND 660 FEET WEST 90 FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FORM THE NW CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FORM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5 FEET SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

Authorized Place of Use to be diminished:

Lands Diminished from Primary to Supplemental					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	NE NE	32.9
22 S	32.5 E	WM	32	NW NE	2.2
22 S	32.5 E	WM	32	SW NE	1.4
22 S	32.5 E	WM	32	SE NE	31.3
22 S	32.5 E	WM	32	NE SW	14.6
22 S	32.5 E	WM	32	NE SE	8.8
22 S	32.5 E	WM	32	NW SE	4.6
22 S	32.5 E	WM	32	SW SE	10.1
22 S	32.5 E	WM	32	SE SW	10.4
22 S	32.5 E	WM	32	SE SE	12.4
Total					128.7

Permit Amendment Review Criteria

12. The changes would not result in injury to other water rights.
13. The proposed place of use is owned and/or controlled by the permit holder.
14. The changes do not enlarge the permit.
15. The changes do not alter any other terms of the permit.
16. The proposed place of use is contiguous to the authorized place of use.


Conclusions of Law

The change in point of appropriation, additional point of appropriation, change in place of use and diminishment of a portion of a permit proposed by Permit Amendment Application T-12267 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The change in point of appropriation, additional points of appropriation, change in place of use, and the diminishment of a permit proposed by Permit Amendment Application T-12267 are approved.
2. Permits G-18090 and G-18091, both in the name of Andy Root, are issued to replace Permit G-17574 and Permit G-17575, and incorporate the amendments approved by this order. Permits G-17574 and G-17575, both in the name of Andy Root, are no longer of any force or effect.
3. The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).
4. The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.
5. Water use measurement conditions:
 - a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
 - b. The water user shall maintain the meters or measuring devices in good working order.
 - c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.
6. Water shall be acquired from the same aquifer as the original points of appropriation.
7. The former place of use shall no longer be irrigated as part of these permits.
8. All other terms and conditions of Permits G-18090 and G-18091 remain the same.

Dated at Salem, Oregon this OCT 08 2018 .



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

Mailing Date: OCT 09 2018

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation, an additional point of appropriation and a change in the place of use, and the partial diminishment proposed under Permit Amendment Application T-12267 and approved by Special Order Vol. 109, Pages 546-551, entered October 8, 2018. This permit supersedes Permit G-17574.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: FIFTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1292.4 ACRES AND SUPPLEMENTAL IRRIGATION OF 295.5 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8; OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, 20, 21, AND 22.

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32
22 S	32.5 E	WM	34	NW NE	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE W1/4 CORNER OF SECTION 33

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30
22 S	32.5 E	WM	29	SE SE	30
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.3
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
Total:					1292.4

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	SW NE	31.7
22 S	32.5 E	WM	32	NE NW	27.5
22 S	32.5 E	WM	32	NW NW	24.6
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	29.8
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
Total:					295.5

PERMIT AMENDMENT T-12267 CONDITIONS

The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water use measurement conditions:

- a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
- b. The water user shall maintain the meters or measuring devices in good working order.
- c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation.

PERMIT AMENDMENT T-11803 CONDITIONS

The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING PERMIT CONDITIONS

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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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, 2018. 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 Right Examiner (CWRE).

Issued OCT 08 2018



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

STATE OF OREGON
COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation, an additional point of appropriation and a change in the place of use, and partial diminishment, proposed under Permit Amendment Application T-12267 and approved by Special Order Vol. 109, Pages 546-551, entered October 8, 2018. This permit supersedes Permit G-17575.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: FIFTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH 1/4 CORNER OF

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	29	SWSE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32
22 S	32.5 E	WM	32	NW NW	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE W1/4 CORNER OF SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
Total:					246.4

PERMIT AMENDMENT T-12267 CONDITIONS

The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water use measurement conditions:

- a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
- b. The water user shall maintain the meters or measuring devices in good working order.
- c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING PERMIT CONDITIONS

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.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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.

STANDARD CONDITIONS

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.

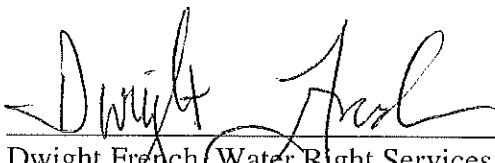
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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, 2018. 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 Right Examiner (CWRE).

Issued OCT 08 2018, 2018.



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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
HC 73 174 HARNEY RD.
BURNS, OREGON 97720

PHONE: (541) 493-3645

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: EIGHT WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND, BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NE 1/4 SE 1/4, SECTION 33, NE 1/4 SW 1/4, SE 1/4 NE 1/4, SW 1/4 NE 1/4, SECTION 34, SW 1/4 NE 1/4, SECTION 30, NW 1/4 NE 1/4, SECTION 32, T22S, R32.5E, W.M.; WELL 1 - 90 FEET SOUTH & 2460 FEET EAST FROM NW CORNER, SECTION 33; WELL 2 - 330 FEET SOUTH & 2200 FEET EAST FROM NW CORNER, SECTION 33; WELL 3 - 1340 FEET NORTH & 1200 FEET WEST FROM SE CORNER, SECTION 33; WELL 4 - 2068 FEET NORTH & 2270 FEET EAST FROM SW CORNER, SECTION 34; WELL 5 - 1890 FEET SOUTH & 1100 FEET WEST FROM NE CORNER, SECTION 34; WELL 6 - 1350 FEET SOUTH & 1350 FEET WEST FROM NE CORNER, SECTION 34; WELL 7 - 1300 FEET NORTH & 1800 FEET EAST FROM SW CORNER, SE 1/4 NW 1/4, SECTION 30; WELL 8 - 220 FEET SOUTH & 2270 FEET WEST FROM NE CORNER, SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

	<u>PRIMARY</u>	<u>SUPPLEMENTAL</u>
NE 1/4 SW 1/4	38.0 ACRES	
NW 1/4 SW 1/4	38.0 ACRES	
SW 1/4 SW 1/4	40.0 ACRES	
SE 1/4 SW 1/4	40.0 ACRES	
	SECTION 29	

Application G-14678 Water Resources Department

PERMIT G-13539

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WATER RESOURCES DEPT
BURNS OREGON

C-10-1-2003

	<u>PRIMARY</u>	<u>SUPPLEMENTAL</u>
SW 1/4 NE 1/4	30.3 ACRES	
SE 1/4 NE 1/4	20.3 ACRES	
SE 1/4 NW 1/4	17.7 ACRES	
NE 1/4 SE 1/4	21.3 ACRES	
SE 1/4 SE 1/4	21.6 ACRES	
	SECTION 30	
NE 1/4 NE 1/4	14.9 ACRES	
	SECTION 31	
NE 1/4 NE 1/4	40.0 ACRES	
NW 1/4 NE 1/4	40.0 ACRES	
SW 1/4 NE 1/4	7.7 ACRES	32.3 ACRES
SE 1/4 NE 1/4	40.0 ACRES	
NE 1/4 NW 1/4	7.8 ACRES	32.2 ACRES
NW 1/4 NW 1/4	9.2 ACRES	30.8 ACRES
SW 1/4 NW 1/4		31.5 ACRES
SE 1/4 NW 1/4		40.0 ACRES
NW 1/4 SW 1/4	5.0 ACRES	
NE 1/4 SW 1/4	37.4 ACRES	
SE 1/4 SW 1/4	38.3 ACRES	
NE 1/4 SE 1/4	40.0 ACRES	
NW 1/4 SE 1/4	40.0 ACRES	
SW 1/4 SE 1/4	40.0 ACRES	
SE 1/4 SE 1/4	40.0 ACRES	
	SECTION 32	
NE 1/4 NE 1/4	31.4 ACRES	
NW 1/4 NE 1/4	31.4 ACRES	
SW 1/4 NE 1/4	31.4 ACRES	
SE 1/4 NE 1/4	31.4 ACRES	
NE 1/4 NW 1/4	31.4 ACRES	
NW 1/4 NW 1/4	31.4 ACRES	
SW 1/4 NW 1/4	31.4 ACRES	
SE 1/4 NW 1/4	31.4 ACRES	
NE 1/4 SE 1/4	31.4 ACRES	
NW 1/4 SE 1/4	31.4 ACRES	
SW 1/4 SE 1/4	31.4 ACRES	
SE 1/4 SE 1/4	31.4 ACRES	
	SECTION 33	
NE 1/4 NE 1/4	31.4 ACRES	
NW 1/4 NE 1/4	31.4 ACRES	
SW 1/4 NE 1/4	31.4 ACRES	
SE 1/4 NE 1/4	31.4 ACRES	
NE 1/4 NW 1/4	31.4 ACRES	
NW 1/4 NW 1/4	31.4 ACRES	
SW 1/4 NW 1/4	31.4 ACRES	
SE 1/4 NW 1/4	31.4 ACRES	
NE 1/4 SW 1/4	31.4 ACRES	
NW 1/4 SW 1/4	31.4 ACRES	
SW 1/4 SW 1/4	31.4 ACRES	
SE 1/4 SW 1/4	31.4 ACRES	
	SECTION 34	
	TOWNSHIP 22 SOUTH, RANGE 32.5 EAST W.M.	

Measurement, recording and reporting conditions:

- meter #1*
- 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.
- #3*
- 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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

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 APR 26 2010
 WATER RESOURCES DEPT
 GAIL M. GIBSON

STANDARD CONDITIONS

Wells 2

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.

#7

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.

Actual construction of the well shall begin by September 30, 1999. Complete application of the water to the use shall be made on or before October 1, 2002. 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 November 12, 1998

10-1-2003

Martha Pagel for

Water Resources Department
Martha Pagel, Director

Application G-14678 Water Resources Department
Basin 12 Volume 2 RATTLESNAKE CR MISC
LKS MGMT.CODE 7AG 7AR 7BG 7BR 3BW

PERMIT G-13539
District 10

Oregon Water Resources Department
Water Right Services Division

Water Rights Application
Number G-14678

Final Order

Extension of Time for Permit Number G-13539
Permit Holder: Andy Root

Permit Information

Application File G-14678 Permit G-13539
Basin: 12 – Malheur Lake / Watermaster District 10
Date of Priority: February 2, 1998

Authorized Use of Water

Source of Water: Eight Wells in Rattlesnake Creek Basin
Purpose of Use: Primary irrigation of 1421.1 Acres and supplemental
irrigation of 166.8 acres
Maximum Rate: 16.81 Cubic Feet per Second (cfs), being 3.8 cfs from Well
1, 1.1 cfs Well 2, 2.8 cfs Well 3, 2.86 cfs Well 4, 1.6 cfs
Well 5, 0.32 cfs Well 6, 0.33 cfs Well 7, 4.0 cfs Well 8

This Extension of Time request is being processed in accordance with Oregon Revised Statute 537.630 and 539.010(5), and Oregon Administrative Rule Chapter 690, Division 315

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-13539 was issued by the Department on November 12, 1998. The permit called for actual construction of the well to begin by September 30, 1999 and complete application of water to beneficial use by October 1, 2002, previously extended to October 1, 2011. On March 26, 2013, Andy Root submitted to the Department an Application for Extension of Time for Permit G-13539. In accordance with OAR 690-315-0050(2), on September 24, 2013, the Department issued a Proposed Final Order proposing to extend the time to complete construction and the time to fully apply water to beneficial use to October 1, 2018. The protest period closed November 8, 2013, in accordance with OAR 690-315-0060(1). No protest was filed.

Findings of Fact

Except as expressly stated herein, the Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated September 24, 2013.

Exceptions to the Proposed Final Order:

The permit does not contain a deadline date by which construction must be completed, so it is not necessary to extend the deadline for completing construction of the water system as was requested in the Application for Extension of Time and as proposed by the Department in the Proposed Final Order. This Final Order, therefore, does not incorporate an extension of the time to complete construction of the water system.

The Application for Extension of Time notes the construction of "Well 10" in December, 2009. Well 10 is not currently authorized by Permit G-13539 as a water source on this permit. A Permit Amendment to add this well must be approved by the Department prior to becoming an authorized well under this permit.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, any comments received, and information within the file, the permit may be extended subject to no additional conditions.

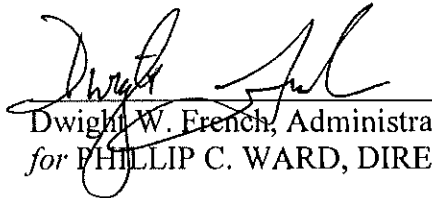
CONCLUSION OF LAW

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-14678, Permit G-13539, therefore, is approved. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 2011 to October 1, 2018.

DATED: March 28, 2014



Dwight W. French, Administrator, Water Right Services Division,
for PHILLIP C. WARD, DIRECTOR

-
- If you have any questions about statements contained in this document, please contact Steven Parrett at (503) 986-0825.
 - 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
-

MEMORANDUM

TO: JUSTIN IVERSON, GROUND WATER SECTION

FROM: CERTIFICATE SECTION – MARY BJORK

SUBJECT: MULTIPLE PUMP TEST EXEMPTION REQUEST FOR

PERMIT G-18090, APPLICATION G-14678
AND
PERMIT G-18091, APPLICATION G-14888

DATE: OCTOBER 18, 2018

The attached pump test exemption request was recently received for multiple wells and for two permits. We have retained the original for the application file.



OWNER NAME/BUSINESS NAME RATTLESNAKE CREEK LAND & CATTLE/ANDY ROOT		PHONE No. 541-573-3615	ADDITIONAL CONTACT No.	
ADDRESS 524 Hwy 20 N				
CITY Hines	STATE OR	ZIP 97738	E-MAIL	

NOTE: To qualify for an exemption from testing your well(s), you must meet all of the following criteria (OAR 690-217-0020(3)):

1. List the *tested* well. If the well is listed on any water right, please provide the water right identification numbers as well as the surveyed location. Note that an exemption cannot be granted until the test has been approved.

WELL LOG # <small>(EX: MARI 99999)</small>	WELL TAG #	OWNER WELL NAME OR #	TEST DATE	APPLICATION	PERMIT	TRANSFER	CERTIFICATE
HARN 51275	L-72705	Andy Root	3/9/2010	G- 14743	G-13602	T-11348	

(CONTINUED)

TWP <small>(EX: 25S)</small>	RNG <small>(EX: 31E)</small>	SEC <small>(EX: 12)</small>	QQ <small>(EX: SE/SW)</small>	SURVEYED LOCATION <small>(EX: 100 ft N & 735 ft E fr SE cor, sec 5)</small>	LATITUDE <small>(EX: 44.94473859)</small>	LONGITUDE <small>(EX: -123.02787000)</small>
22S	33E	30	WM	2508'N & 780'E SW Cor S30	43 37'46.9 N	118 42'19.2W

2. List each well and associated water right(s) for which you are requesting a multiple well exemption. This does *not* include the tested well. If a well is listed on more than one water right, be sure to include them all here:

WELL LOG # <small>(EX: MARI 99999)</small>	WELL TAG # <small>(EX: L-999999)</small>	OWNER WELL NAME OR #	APPLICATION	PERMIT	TRANSFER

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OCT 15 2018

OWRD



**PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM**

1	HARN 1879	L-35539	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
2	HARN 1912	L-35536	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
3	HARN 50457	L-35537	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
4	HARN 50241	L-16814	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
5	HARN 50668	L-35538	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
6	HARN 50422	L-28438	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
6@	UNK	UNK		G-14678/G-14888	G-18090/G-18091	T-12267
7	HARN 50890	L-51625	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
8	HARN 50362	L-21257	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
9	HARN 50392	L-28434	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
10	HARN 51682	L-102504	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
18	HARN 52018	L-113433	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
22	HARN 52481	L-120015	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267

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 OCT 16 2018
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(CONTINUED)

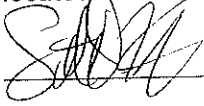
	TWP (Ex: 25S)	RNG (Ex: 31E)	SEC (Ex: 12)	QQ (Ex: SE/SW)	SURVEYED LOCATION (Ex: 100' N & 735' E fr SE cor, sec 5)	LATITUDE (Ex: 44.94473859)	LONGITUDE (Ex: -123.02787000)
1	22S	32.5E	33	WM	25'S & 600'W fr N1/4 cor, sec 33	43 37'39.8"N	118 46'50.2"W
2	22S	32.5E	33	WM	110'S & 665'W fr N1/4 cor, sec 33	43 37'27.1"	118 46'50.2"
3	22S	32.5E	33	WM	1365'N & 1365'W fr SE cor, sec 33	43 37'01.6"	118 46'24.0"
4	22S	32.5E	34	WM	2710'S & 830'W fr N1/4 cor, sec 34	43 37'14.1"	118 45'41.9"
5	22S	32.5E	34	WM	5'N & 830'W fr E1/4 cor, sec 34	43 37'13.9"	118 45'04.8"
6	22S	32.5E	34	WM	1320'S & 1320'E fr N1/4 cor, sec 34	43 37'27.2"	118 45'12.4"
6@	22S	32.5E	34	WM	1300'S & 1300'E fr N1/4 cor, sec 34	43 37'27.2"	118 45'12.4"
7	22S	32.5E	33	WM	25'S & 45'E fr NW cor, sec 33	43 37'39.8"	118 47'16.2"
8	22S	32.5E	32	WM	35'S & 1245'W fr NE cor, sec 32	43 37'39.8"	118 47'33.2"
9	22S	32.5E	34	WM	1055'N & 130'W fr SE cor, sec 34	43 36'57.7"	118 44'54.4"
10	22S	32.5E	33	WM	2605'S & 750'E fr N1/4 cor, sec 33	43 37'14.3"	118 46'31.9"
18	22S	32.5E	33	WM	5'S & 1320'W fr N1/4 cor, sec 33	43 37'40.3"	118 46'57.8"
22	22S	32.5E	33	WM	5'S & 1500'E fr W1/4 cor, sec 33	43 37'14.3"	118 46'49.4"

3. For each well listed in #1 and #2 above, attach all water well reports (i.e. well logs) or, if unavailable, other documentation showing the water-producing zones. If available, please attach a copy of the test and/or approval letter as well as a map showing the locations of all wells listed on this form.



**PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM**

I hereby certify that the tested well and the well(s) requested for exemption(s) are under the ownership listed above and are located within 5 miles of each other.

SIGNATURE: 

PRINTED NAME: SCOTT D. MONTGOMERY

PHONE: (541) 548-5833

DATE: 9/16/2018

LICENSE #: SI324

(CIRCLE ONE) OWNER, EMPLOYEE, CWRE, RG/PE, MWWC, PUMP INSTALLER

EMAIL: SCOTT@APEandS.COM

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Oregon Water Resources Department
PUMP TEST FORM COVER SHEET

Well #10 #15
 Page 1 of 2

Well Owner:
 Name: Andy Root
 Address: 524 Hwy 20 N.
 County: Harney
 City: Hines State: OR Zip: 97738
 Original owner (from well log): Andy Root

Well Location:
 Township: 22 S (N/S) Range: 33 E (E/W)
 Section: 30 1/4: 1/4 1/4: 1/4 1/4:
 Well depth: 260 Date drilled: 6/1/06
 Owners well no. (if any):
 POD ID: L72705

Water Right Information:
 Application: _____ Permit: _____ Certificate: _____
 Is this well listed on more than one water right? Yes If yes, list additional water rights below:
 Application: _____ Permit: _____ Certificate: _____
 Application: _____ Permit: _____ Certificate: _____

Pump Test:
 Test Conducted by: Matt Nonnenmacher Well Owner? Yes
 Company: Clearwater Pump & Irrigation
 Address: P.O. Box 393 Date of Test: 3/9/10
 City: Burns State: OR Zip: 97720
 Daytime phone: 541-573-1260

Method of discharge measurement (see our brochure for acceptable methods): Flow Meter
 Method of water-level measurement (pick one or enter other method used): Electric Tape
 Length of air line (if used): NA

Pump type (pick one or enter other method used): Submersible
 Was the pump test conducted during normal use of the well? Yes Note: No

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? Yes. Note: No
 If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: NA

Is there a lake, stream or other surface water body within 1/4 mile of the tested well? Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: NA ft Approx. elevation difference: NA ft
 Well elevation is NA surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) Top of well
 Measuring point distance Above land surface 0' feet.

Static water level measurements: (A minimum of three measurements are required in the hour before pumping begins at no less than 20 minutes apart):

Time	Depth to water below meas. point	Depth to water below land surface
<u>7:00 A.M.</u>	<u>26'</u>	<u>24'</u>
<u>7:20 A.M.</u>	<u>26'</u>	<u>24'</u>
<u>7:40 A.M.</u>	<u>26'</u>	<u>24'</u>

Discharge measurements: (A discharge measurement is required at the start of pumping and at least once an hour during the test; additional measurements should be noted on the Pump Test Data Sheet):

Time	Discharge Rate	Discharge Units (e.g. gpm, cfs, etc)
<u>8:00 A.M.</u>	<u>585</u>	<u>GPM</u>
<u>9:00 A.M.</u>	<u>550</u>	<u>GPM</u>
<u>10:00 A.M.</u>	<u>550</u>	<u>GPM</u>
<u>11:00 A.M.</u>	<u>550</u>	<u>GPM</u>
<u>12:00 P.M.</u>	<u>550</u>	<u>GPM</u>

Time pump turned on: _____ Date 3/9/10
 Time pump turned off: _____ Date 3/9/10
 Total pumping time: 4 hours 30 minutes

Note: Well must be idle for at least 16 hours prior to the test.
 Additional forms can be obtained from our web site at: <http://www.wrd.state.or.us>

Required Signature: _____

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#10

Horn 1879

22S/32E/33da

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.785)

HORN 1879

(START CARD) # 20911

(1) OWNER:
Name ANDY ROOT
Address Green Valley Ranch Riley Ore
City BURNS State Oregon Zip 97720

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No
Explosives used Type _____ Amount _____
Depth of Completed Well 500' ft.

HOLE		SEAL		Amount sacks or pounds
Diameter	From To	Material	From To	
16"	0 30'	Cement	0 30'	
1 1/4"	30' 500'			

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12"	+18'	100.6'	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:	None			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 108.6'

(7) PERFORATIONS/SCREENS:
 Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
None							

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____

Temperature of water 57° Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Horn Latitude _____ Longitude _____
Township 22S or S, Range 32E E or W, WM.
Section 33 NE 1/4 NW 1/4
Tax Lot 2200 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hwy 20

(10) STATIC WATER LEVEL:
14' ft. below land surface. Date 4-13-91
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 14'

From	To	Estimated Flow Rate	SWL
14'	30'	30 GPM	14'
200'	209'	200 GPM	14'
460'	475'	400 GPM	

(12) WELL LOG: Ground elevation 4200'

Material	From	To	SWL
Top Soil (sandy)	0	5	
sand stone	5	9	
clay Brown	9	35	
Green clay	35	200	
Clay stone	200	260	
Gray clay	260	300	
clay with sand	300	360	
clay with coarse sand	360	400	
clay & coarse sand	400	460	
Gray clay	460	500	

Date started 3-20-91 Completed 4-13-91

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed _____ Date _____ WWC Number 142

(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 work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my belief.
Signed Joe Valentine Date 4 WWC Number _____

HARN 1879

For Official Use Only:

Received Date: _____

County Well Log ID #

Well Identification Tag #

Harn 1879

35539

WELL IDENTIFICATION APPLICATION FORM

RECEIVED

BUYER/CURRENT WELL OWNER:

Name: Andy Root

Mailing Address: HC 73 174 Harney Road

City: Burns State: OR Zip: 97720 Phone: (541) 493-3645

JUL 01 1999
WATER RESOURCES DEPT.
SALEM, OREGON

WELL LOCATION:

County: Harney Owner's Well Number: #7

Township: 22 N or S, Range: 32 1/2 E or W, Section: 30 SW 1/4 NE 1/4

Tax Lot Number: 1900 Type of Well: water supply LRR monitoring

Street Address of Well (if different from above): _____

WELL INFORMATION: (do not complete remainder of application if well log is available)

Start Card Number: _____ Approx. Construction Date: _____

Well Constructor: Joe Valentine

Name of Owner at Time of Construction: _____

Well Depth (in feet): _____ Static Water Level (in feet): _____

Diameter of Exposed Well Casing (in inches): _____

Does this well have a formal water right associated with it? Yes: Yes No: _____

If Yes: Application #: G-14678 Permit #: G-13539 Certificate #: _____

Please Return Completed Form to:

Lisa Juul
Well Identification Program
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

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STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.785)

Harn HARN 1912
 1912

DEC 23 1991

22S/32 1/2 E/33W
 (START CARD) # 26876

(1) OWNER: Well Number: 2WATE
 Name ANDY Root
 Address P.O. Box 946
 City BURNS State Oregon Zip 97720

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 380' ft.
 Explosives used Type _____ Amount _____

HOLE		SEAL		Amount sacks or pounds		
Diameter	From To	Material	From To			
	20' 0	30	Cement	0	30'	20
	12' 30	380				

How was seal placed: Method A B C D E
 Other _____
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:	1 1/8"	160	257	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 158 1/2'

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
			ONE			<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
 Yield gal/min 2000 Drawdown 100' Drill stem at _____ Time 30 hr.

Temperature of water 55 Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Harney Latitude _____ Longitude _____
 Township 22S or S, Range 32 1/2 E E or W, WM.
 Section 33 NW 1/4 NW 1/4
 Tax Lot 22-32 1/2 2200 Block _____ Subdivision _____
 Street Address of Well (or nearest address) Hwy 20
HE COW CK ROAD

(10) STATIC WATER LEVEL:
20 ft. below land surface. Date 3-10-91
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 20'

From	To	Estimated Flow Rate	SWL
20	30	10	20
190	193	20	20
340	350	2000	20

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Top soil (sandy)	0	5	
Clay (Gray)	5	60	20
Clay (Green)	60	190	20
Clay (Black)	190	250	
Clay (Green)	250	340	
Gravel	340	350	20
Course sand	350	360	
Rock solid	360	380	20

This well was started by Larry Root then finished the well because Larry Root died
 Joe Valentine
 1435

Date started 3-10-91 Completed 11-14-91

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.
 WWC Number _____
 Signed _____ Date _____

(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 well construction standards. This report is true to the best of my knowledge and belief.
 WWC Number 1435
 Signed Joe Valentine Date 11-14-91

HARN 1912

For Official Use Only:

Received Date:

County Well Log ID #

Well Identification Tag #

HARN 1912

35536

WELL IDENTIFICATION APPLICATION FORM

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JUL 01 1999

WATER RESOURCES DEPT.
SALEM, OREGON

BUYER/CURRENT WELL OWNER:

Name: Andy Root

Mailing Address: HC 73 174 Harney Road

City: Burns State: OR Zip: 97720 Phone: (541) 493-3645

WELL LOCATION:

County: Harney Owner's Well Number: #2

Township: 22 N or S, Range: 32 1/2 E or W, Section: 33 NE 1/4 NW 1/4

Tax Lot Number: 2200 Type of Well: water supply IRR monitoring

Street Address of Well (if different from above):

WELL INFORMATION: (do not complete remainder of application if well log is available)

Start Card Number: Approx. Construction Date:

Well Constructor:

Name of Owner at Time of Construction:

Well Depth (in feet): Static Water Level (in feet):

Diameter of Exposed Well Casing (in inches):

Does this well have a formal water right associated with it? Yes: yes No:

If Yes: Application #: G-14678 Permit #: G-13539 Certificate #:

Please Return Completed Form to:

Larry D. McQueen
Well Identification Program
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

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STATE OF OREGON
WATER WELL REPORT
(As required by ORS 337.765)

FEB - 2 1998

HARN 50457

HARN
50457

(START CARD) # 67723

Instructions for completing this report are on the back page of this form.

WATER RESOURCES DEPT.

SALEM, OREGON 3

(1) OWNER:

Name ANDY ROOT
Address U.C. 73, 174 HARNEY Rd.
City RUMS State OR Zip 97720

(2) TYPE OF WORK

New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 425 ft.
Explosives used Yes No Type _____ Amount _____

HOLE

Diameter	From	To	Material	From	To	(Sacks or pounds)
20"	0	20'	CEMENT	0	20'	32

SEAL

How was seal placed: Method A B C D E
 Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14"	11'	160'	250	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Telephone size	Casing	Liner
NONE							

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

<input checked="" type="checkbox"/> Pump	<input type="checkbox"/> Bailor	<input type="checkbox"/> Air	<input type="checkbox"/> Flowing Artesian
Yield gal/min	Drawdown	Drill stem at	Time
1400	160'		1 hr.

Temperature of water 56 Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Harney Latitude _____ Longitude _____
Township 22 N or S Range 32 1/2 E or W WM.
Section 31 SE 1/4 SE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:

30 ft. below land surface. Date 7-28-95
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 30

From	To	Estimated Flow Rate	SWL
30	31	5 GPM	30
91	92	40 GPM	30
397	409	1000 GPM	30

(12) WELL LOG:

Material	From	To	SWL
Top soil - SANDY	0	5'	
GRAY CLAY	5'	73'	30
BLUE CLAY	73'	91'	30
SAND STONE	91'	238'	30
BLUE CLAY	238'	312'	30
SAND STONE	312'	397'	30
FINE SAND W/ GRAVEL	397'	409'	30
GRAY CLAY	409'	425'	30

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Date started _____ Completed _____

(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 the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.

WWC Number 1435

Signed Jim Nordstrom Date 7-28-95

For Official Use Only:

Received Date: _____

County Well Log ID #

Well Identification Tag #

"HARNEY 50457"

35537

WELL IDENTIFICATION APPLICATION FORM

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JUL 01 1999
WATER RESOURCES DEPT.
SALEM, OREGON

BUYER/CURRENT WELL OWNER:

Name: Andy Root

Mailing Address: HC 73 174 Harney Road

City: Burns State: OR Zip: 97720 Phone: (503) 493-3645

WELL LOCATION:

County: Harney Owner's Well Number: # 3

Township: 22 N or S, Range: 32 1/2 E or W, Section: 33 SE 1/4 SE 1/4

Tax Lot Number: 2200 Type of Well: water supply LRB monitoring _____

Street Address of Well (if different from above): _____

WELL INFORMATION: (do not complete remainder of application if well log is available)

Start Card Number: 67723 Approx. Construction Date: _____

Well Constructor: _____

Name of Owner at Time of Construction: _____

Well Depth (in feet): _____

Diameter of Exposed Well Casing (in inches): _____

Does this well have a formal water right associated with it? Yes: Yes No: _____

If Yes: Application #: G-14678 Permit #: G-13539 Certificate #: _____

Please Return Completed Form to:

Lisa Juhl
Well Identification Program
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

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HARN 51682

HARN 51682

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

12-22-2009

WELL LABEL # L 102504

START CARD # 1008916

(1) LAND OWNER Owner Well I.D. Twin Sheds
First Name Andy Last Name Root
Company Rattlesnake Ranch
Address 524 N Hwy 20
City Buma State or OR Zip 97720

(2) TYPE OF WORK New Well Deepening Conversion
 Alteration (repair/recondition) Abandonment

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Reverse Rotary Other

(4) PROPOSED USE Domestic Irrigation Community
 Industrial/ Commercial Livestock Dewatering
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION Special Standard Attach copy
Depth of Completed Well 410.00 ft.

BORE HOLE			SEAL			sacks/ lbs	
Dia	From	To	Material	From	To	Amt	lbs
16	0	18	Bentonite	0	18	30	S
12	18	410					

How was seal placed: Method A B C D E

Other poured dry and tam

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: Yes Type Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plat	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12	<input checked="" type="checkbox"/>	2	80	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Shoe Inside Outside Other Location of shoe(s)

Temp casing Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type Material

Perf/S	Casing/	Screen	Sem/slot	Slot	# of	Tele/
green	Liner	Dia	width	length	slots	pipe size

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

Pump Bailer Air Flowing Artesian
Yield gal/min 500 Drawdown Drill stem/Pump depth 100 Duration (hr)

Temperature 58 °F Lab analysis Yes By

Water quality concerns? Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 22.00 S N/S Range 32.50 E E/W WM
Sec 35 SW 1/4 of the NE 1/4 Tax Lot 2200
Tax Map Number Lot
Lat " or DMS or DD
Long " or DMS or DD
 Street address of well Nearest address

72163 Rattlesnake Road

(10) STATIC WATER LEVEL

Existing Well / Prudeepening	Date	SWL(psi)	+	SWL(R)
Completed Well	12-04-2009		<input checked="" type="checkbox"/>	60

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 60

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
12-04-2009	60	410	500		<input checked="" type="checkbox"/>	60

(11) WELL LOG

Material	From	To	Ground Elevation
topsoil, sandy loam	0	1	
claybrown	1	25	
clay grey	25	170	
claystone green	170	201	
pumice grey claystone	201	230	
claystone green	230	245	
pumice grey	245	280	
rock black	280	300	
claystone green	300	340	
sandstone brn	340	360	
pumice brn	360	410	

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FEB 08 2010
WATER RESOURCES DEPT
SALEM, OREGON

Date Started 12-02-2009 Completed 12-04-2009

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, 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 and belief.

License Number Date

Electronically Filed

Signed

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, 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 standards. This report is true to the best of my knowledge and belief.

License Number 1424 Date 12-22-2009

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

HARN 51682

NESE

NWSW

NESW

NWSE

NESE

NWSW

29

28

27

SESE

SWSW

SESW

SWSE

SESE

SWSW

NENE

NWNW

NENW

NWNE

NENE

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TAXLOT 2200

22 S 32 1/2 E

SENE

SWNW

SENW

SWNE

SENE

SWNW

Andy Root
EXEMPT WELL: HARN 51682

32

33

X
Well Located at:
43.62067; -118.77546

34

NESE

NWSW

NESW

NWSE

NESE

NWSW

SESE

SWSW

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RECEIVED

SWSW

MAR 09 2011

WATER RESOURCES DEPT
SALEM, OREGON

SENE 5

NWNW

4

NENW

23 S 32 1/2 E

NWNE

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NWNW 3

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SWSW

RECEIVED

OCT 15 2018



Oregon

Kate Brown, Governor

G14678

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

March 3, 2016

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

RE: Correcting Order T-117630

Enclosed is a new correcting and superseding final order. Also, enclosed are new correcting and superseding permits, G-17574 and G-17575, issued to correct a scrivener's error.

Please read the order carefully.

If you have any questions regarding this certificate please contact the transfer section at 503-986-0807.

Sincerely,

Codi Holmes
Water Right Services Support
Transfer and Conservation Section

Enclosure



**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Permit Amendment)	SUPERSEDING FINAL ORDER
T-11803, Harney County)	APPROVING A CHANGE IN POINTS
)	OF APPROPRIATION AND
)	ADDITIONAL POINTS OF
)	APPROPRIATION AND CORRECTING
)	SCRIVENER'S ERRORS IN A
)	PREVIOUS ORDER

Authority

Oregon Revised Statute (ORS) 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

Findings of Fact

1. On April 29, 2014, Andy Root filed an application for additional points of appropriation under Permits G-13539 and G-13730. The Department assigned the application number T-11803.
2. On April 22, 2011, the Department approved an extension of time for complete application of water to October 1, 2011, for each permit.
3. On May 28, 2014, the Department approved an extension of time for complete application of water to October 1, 2018, for each permit.
4. Notice of the application for the permit amendment was published in the Department's weekly notice on May 6, 2014, and in the Burns Herald newspaper on November 11 and 18, 2015, pursuant to ORS 540.520(5). No comments were filed in response to the notices.
5. This Order is issued to supersede the Final Order recorded at Special Order Volume 98, Pages 368-371, to correct the scrivener's errors in the section number of Well 3 and in the "measured distances" of Well 19. Corrections appear in **Bold** in Finding of Fact Nos. 8 and 9.

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 and OAR 690-01-0005 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.

6. On July 9, 2015, the Department contacted the applicant's agent by written correspondence (email) to notify them of the deficiencies in the application. The main deficiencies being that clarification was needed regarding the type of change requested, the location of the points of appropriation and proper identification of the wells. The Department requested that the deficiencies be resolved by August 10, 2015.
7. The applicant's agent submitted amended application pages and clarification resolving the deficiencies. As part of the resolution, the agent clarified that for Permit G-13730 the type of change requested is a change in point of appropriation, as all of the well locations are being changed from what is authorized on Permit G-13730.
8. Permit Amendment Application T-11803 proposes to change the authorized points of appropriation in Permit G-13730, as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles	
						Well 8	Well 9
22 S	32.5 E	WM	33	NE NW	WELL 1 (HARN 1879): 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	33	NE NW	WELL 2 (HARN 1912): 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	33	NW SE	WELL 3 (HARN 50457): 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33	1.2	0.9
22 S	32.5 E	WM	34	NE SW	WELL 4 (HARN 50241): 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34	1.6	0.5
22 S	32.5 E	WM	34	SE NE	WELL 5 (HARN 50668): 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34	2.1	0.5
22 S	32.5 E	WM	34	NW NE	WELL 6 (HARN 50422): 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34	2.0	0.7
22 S	32.5 E	WM	33	NW NW	WELL 7 (HARN 50667): 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33	0.3	1.8
22 S	32.5 E	WM	32	NE NE	WELL 8 (HARN 50362): 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32	0.01	2.0
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	2.2	0.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	1.0	1.1
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.5	1.6

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles	
						Well 8	Well 9
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32	0.1	2.2

9. Permit Amendment Application T-11803 proposes to add four points of appropriation, described as follows, to Permit G-13539:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles							
						Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	1.7	1.7	1.2	0.6	0.5	0.6	3.7	2.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	0.5	0.5	0.3	0.8	1.2	1.1	2.4	1.2
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.2	.2	0.9	1.3	1.6	1.5	1.8	0.7
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32	0.8	0.8	1.8	1.9	2.2	2.1	1.2	0.1

Permit Amendment Review Criteria

- 10. The changes would not result in injury to other water rights.
- 11. The changes do not enlarge the permits.
- 12. The changes do not alter any other terms of the permits.

Conclusions of Law

The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 is consistent with the requirements of ORS 537.211.


Now, therefore, it is ORDERED:

1. The Final Order recorded at Special Order Volume 98, Pages 368-371, is withdrawn and of no further force or effect and is superseded by this order.
2. The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 are approved.
3. Permit G-17574, in the name of Andy Root, is issued to replace Permit G-17498, and incorporates the amendments approved by this order and the extensions of time. Permit G-17498, in the name of ANDY ROOT, is no longer of any force or effect.
4. Permit G-17575, in the name of Andy Root, is issued to replace Permit G-17499, and incorporates the amendments approved by this order and the extensions of time. Permit G-17499, in the name of ANDY ROOT, is no longer of any force or effect.
5. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
6. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

7. Water shall be acquired from the same aquifer as the original points of appropriation.
8. All other terms and conditions of Permit G-17574 and Permit G-17575 remain the same.

Dated at Salem, Oregon this 25 day of February, 2016.



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

Mailing Date: MAR 02 2016

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This correcting superseding permit is issued to describe an amendment for a change in point of appropriation and correction of scrivener's errors proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Pages 853-856, entered February 25, 2016, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-17498.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: TWELVE WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8; OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, AND 19.

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	38.0
22 S	32.5 E	WM	29	NW SW	38.0
22 S	32.5 E	WM	29	SW SW	40.0
22 S	32.5 E	WM	29	SE SW	40.0
22 S	32.5 E	WM	30	SW NE	30.3
22 S	32.5 E	WM	30	SE NE	20.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	21.3
22 S	32.5 E	WM	30	SE SE	21.6
22 S	32.5 E	WM	31	NE NE	14.9
22 S	32.5 E	WM	32	NE NE	40.0
22 S	32.5 E	WM	32	NW NE	40.0
22 S	32.5 E	WM	32	SW NE	7.7
22 S	32.5 E	WM	32	SE NE	40.0
22 S	32.5 E	WM	32	NE NW	7.8
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	37.4
22 S	32.5 E	WM	32	NW SW	5.0
22 S	32.5 E	WM	32	SE SW	38.3
22 S	32.5 E	WM	32	NE SE	40.0
22 S	32.5 E	WM	32	NW SE	40.0
22 S	32.5 E	WM	32	SW SE	40.0
22 S	32.5 E	WM	32	SE SE	40.0
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
Total:					1421.1

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW NE	32.3
22 S	32.5 E	WM	32	NE NW	32.2
22 S	32.5 E	WM	32	NW NW	30.8
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	40.0
Total:					166.8

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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, 2018. 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 Right Examiner (CWRE).

Issued February 29, 2016.


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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

This correcting superseding permit is issued to describe an amendment for a change in point of appropriation and correction of scrivener's errors proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Pages ~~853~~ - 856, entered February ~~25~~, 2016, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-17499.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: WELLS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18 AND WELL 19 IN THE RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
Total:					246.4

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

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.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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.

STANDARD CONDITIONS

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, 2018. 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 Right Examiner (CWRE).

Issued February 29, 2016.



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



Oregon

Kate Brown, Governor

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

November 24, 2015

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

REFERENCE: Permit Amendment Application T-11803

Enclosed is a copy of the order approving your Permit Amendment application.

Also enclosed is a superseding permit that incorporates the amendments approved by the final order contained herein. Please read this document and abide by the requirements.

If you have any questions related to the approval of this permit amendment, you may contact your caseworker, Tracy Fox, by telephone at (503) 986-0827 or by e-mail at Tracy.L.Fox@wrđ.state.or.us.

Sincerely,

Bethanie Williamson
Water Rights Services Support

cc: J R. Johnson, Watermaster Dist. # 10 (via email)
Scott D. Montgomery, Agent

Enclosure



**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Permit Amendment) FINAL ORDER
T-11803, Harney County) APPROVING A CHANGE IN POINTS
) OF APPROPRIATION AND
) ADDITIONAL POINTS OF
) APPROPRIATION

Authority

Oregon Revised Statute (ORS) 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

Findings of Fact

1. On April 29, 2014, Andy Root filed an application for additional points of appropriation under Permits G-13539 and G-13730. The Department assigned the application number T-11803.
2. On April 22, 2011, the Department approved an extension of time for complete application of water to October 1, 2011, for each permit.
3. On May 28, 2014, the Department approved an extension of time for complete application of water to October 1, 2018, for each permit.
4. Notice of the application for the permit amendment was published in the Department's weekly notice on May 6, 2014, and in the Burns Herald newspaper on November 11 and 18, 2015, pursuant to ORS 540.520(5). No comments were filed in response to the notices.
5. On July 9, 2015, the Department contacted the applicant's agent by written correspondence (email) to notify them of the deficiencies in the application. The main deficiencies being that clarification was needed regarding the type of change requested, the location of the points of appropriation and proper identification of the wells. The Department requested that the deficiencies be resolved by August 10, 2015.

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 and OAR 690-01-0005 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.

6. The applicant's agent submitted amended application pages and clarification resolving the deficiencies. As part of the resolution, the agent clarified that for Permit G-13730 the type of change requested is a change in point of appropriation, as all of the well locations are being changed from what is authorized on Permit G-13730.
7. Permit Amendment Application T-11803 proposes to change the authorized points of appropriation in Permit G-13730, as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles	
						Well 8	Well 9
22 S	32.5 E	WM	33	NE NW	WELL 1 (HARN 1879): 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	33	NE NW	WELL 2 (HARN 1912): 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	34	NW SE	WELL 3 (HARN 50457): 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33	1.2	0.9
22 S	32.5 E	WM	34	NE SW	WELL 4 (HARN 50241): 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34	1.6	0.5
22 S	32.5 E	WM	34	SE NE	WELL 5 (HARN 50668): 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34	2.1	0.5
22 S	32.5 E	WM	34	NW NE	WELL 6 (HARN 50422): 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34	2.0	0.7
22 S	32.5 E	WM	33	NW NW	WELL 7 (HARN 50667): 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33	0.3	1.8
22 S	32.5 E	WM	32	NE NE	WELL 8 (HARN 50362): 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32	0.01	2.0
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	2.2	0.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	1.0	1.1
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.5	1.6
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32	0.1	2.2

8. Permit Amendment Application T-11803 proposes to add four points of appropriation, described as follows, to Permit G-13539:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles							
						Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	1.7	1.7	1.2	0.6	0.5	0.6	3.7	2.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	0.5	0.5	0.3	0.8	1.2	1.1	2.4	1.2
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.2	.2	0.9	1.3	1.6	1.5	1.8	0.7
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32	0.8	0.8	1.8	1.9	2.2	2.1	1.2	0.1

Permit Amendment Review Criteria

- 9. The changes would not result in injury to other water rights.
- 10. The changes do not enlarge the permits.
- 11. The changes do not alter any other terms of the permits.

Conclusions of Law

The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

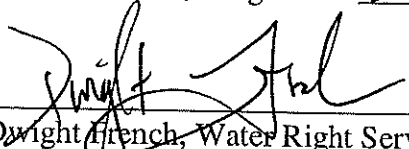
- 1. The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 are approved.

2. Permit G-17498, in the name of Andy Root, is issued to replace Permit G-13539, and incorporates the amendments approved by this order and the extensions of time. Permit G-13539, in the name of ANDY ROOT, is no longer of any force or effect.
3. Permit G-17499, in the name of Andy Root, is issued to replace Permit G-13730, and incorporates the amendments approved by this order and the extensions of time. Permit G-13730, in the name of ANDY ROOT, is no longer of any force or effect.
4. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
5. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

6. Water shall be acquired from the same aquifer as the original points of appropriation.
7. All other terms and conditions of Permit G-17498 and Permit G-17499 remain the same.

Dated at Salem, Oregon this 24 day of November, 2015.



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

Mailing Date: NOV 25 2015

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Page 368-371 entered November 24, 2015, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-13539.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: TWELVE WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8; OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, AND 19.

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33

Application G-14678/T-11803.tif
Basin 12
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Water Resources Department
Volume 2 RATTLESNAKE CR MISC
MGMT.CODE 7AG 7AR 7BG 7BR 3BW

PERMIT G-17498
District 10

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	38.0
22 S	32.5 E	WM	29	NW SW	38.0
22 S	32.5 E	WM	29	SW SW	40.0
22 S	32.5 E	WM	29	SE SW	40.0
22 S	32.5 E	WM	30	SW NE	30.3
22 S	32.5 E	WM	30	SE NE	20.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	21.3
22 S	32.5 E	WM	30	SE SE	21.6
22 S	32.5 E	WM	31	NE NE	14.9
22 S	32.5 E	WM	32	NE NE	40.0
22 S	32.5 E	WM	32	NW NE	40.0
22 S	32.5 E	WM	32	SW NE	7.7
22 S	32.5 E	WM	32	SE NE	40.0
22 S	32.5 E	WM	32	NE NW	7.8
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	37.4
22 S	32.5 E	WM	32	NW SW	5.0
22 S	32.5 E	WM	32	SE SW	38.3
22 S	32.5 E	WM	32	NE SE	40.0
22 S	32.5 E	WM	32	NW SE	40.0
22 S	32.5 E	WM	32	SW SE	40.0
22 S	32.5 E	WM	32	SE SE	40.0
22 S	32.5 E	WM	33	NE NE	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
Total:					1421.1

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW NE	32.3
22 S	32.5 E	WM	32	NE NW	32.2
22 S	32.5 E	WM	32	NW NW	30.8
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	40.0
Total:					166.8

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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, 2018. 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 Right Examiner (CWRE).

Issued November 24, 2015.


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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Pages ~~368-371~~, entered November 24, 2015, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-13730.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: WELLS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18 AND WELL 19 IN THE RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
Total:					246.4

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.
2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. 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.

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.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

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.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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.

STANDARD CONDITIONS

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, 2018. 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 Right Examiner (CWRE).

Issued November 24, 2015.



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

**Oregon Water Resources Department
Water Right Services Division**

Application for Extension of Time

In the Matter of the Application for an Extension of Time)
for Permit G-13539, Water Right Application G-14678) PROPOSED FINAL ORDER
in the name of Andy Root)

Permit Information

Application File G-14678 Permit G-13539

Basin: 12 – Malheur Lake / Watermaster District 10
Date of Priority: February 2, 1998

Authorized Use of Water

Source of Water: Eight Wells in Rattlesnake Creek Basin
Purpose of Use: Irrigation of 1421.1 Acres
Maximum Rate: 16.81 Cubic Feet per Second (cfs), being 3.8 cfs from Well
1, 1.1 cfs from Well 2, 2.8 cfs from Well 3, 2.86 cfs from
Well 4, 1.6 cfs from Well 5, 0.32 cfs from Well 6, 0.33 cfs
from Well 7, and 4.0 cfs from Well 8

**This Extension of Time request is being processed in accordance with
Oregon Revised Statute 537.630 and 539.010(5), and Oregon Administrative
Rule Chapter 690, Division 315**

Please read this Proposed Final Order in its entirety.

This Proposed Final Order applies only to Permit G-13539, water right Application G-14678.
A copy of Permit G-13539 is enclosed as Attachment 1.

Summary of Proposed Final Order for Extension of Time

The Department proposes to:

- Grant an extension of time for complete construction of the water system and time to apply water to full beneficial use from October 1, 2011 to October 1, 2018.

ACRONYM QUICK REFERENCE

Department – Oregon Department of Water Resources
PFO – Proposed Final Order

Units of Measure

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.

FINDINGS OF FACT

Background

1. Permit G-13539 was granted by the Department on November 12, 1998. The permit authorizes the use of up to 16.81 cfs of water from Eight Wells in Rattlesnake Creek Basin for irrigation of 1421.1 acres and supplemental irrigation of 166.8 acres. The permit specified construction of the water system was to be completed by October 1, 2002, and complete application of water was to be made on or before October 1, 2003.
2. Two prior permit extensions have been granted for Permit G-13539. The most recent extension request resulted in the completion dates for construction and full application of water being extended from October 1, 2010 to October 1, 2011.
3. The permit holder submitted an "Application for Extension of Time" to the Department on March 26, 2013 requesting the time to complete construction of the water system and the time to apply water to full beneficial use under the terms and conditions of Permit G-13539 be extended from October 1, 2011 to October 1, 2018. This is the third permit extension requested for Permit G-13539.
4. Notification of the Application for Extension of Time for Permit G-13539 was published in the Department's Public Notice dated April 16, 2013.
5. As a result of the April 16, 2013, Public notice, the Department received several comments relating to the extension of time request for Permit G-13539. The comments mainly raised issues associated with the permit holder's substantial development and potential interference with neighboring wells, which were considered in the processing of the application for an extension of time.

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 537.230¹, 537.248², 537.630³ and/or 539.010(5)⁴.

Complete Extension of Time Application [OAR 690-315-0040(1)(a)]

6. On March 26, 2013, the Department received a completed Application for Extension of Time and the fee specified in ORS 536.050 from the permit holder.

¹ORS 537.230 applies to surface water permits only.

²ORS 537.248 applies to reservoir permits only.

³ORS 537.630 applies to ground water permits only.

⁴ORS 539.010(5) applies to surface water and ground water permits.

Start of Construction [OAR 690-315-0040(1)(b) and 690-315-0040(5)]

7. Actual construction of the well began prior to the September 30, 1999 deadline specified in the permit

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.

8. As of March 26, 2013, the remaining work to be completed consists of completing construction of the water system and applying water to full beneficial use.
9. Given the amount of development left to occur, the Department has determined that the permit holder's request to have until October 1, 2018, to complete construction of the water system and to accomplish the application of water to beneficial use under the terms and conditions of Permit G-13539 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)]

10. Work was accomplished within the time allowed in the permit or previous extension as follows:
 - a. Construction of the wells and water system began prior to the September 30, 1999 deadline specified in the permit
 - b. Work was completed (specified in the Application for an Extension of Time) during the original development time frame under Permit G-13539.

Beneficial Use of Water [OAR 690-315-0040(3)(b)]

11. The following beneficial use of water was made during the permit or previous extension time limits:
 - a. Since the issuance of Permit G-13539 on November 12, 1998, a maximum rate of 17.8 cfs of water has been appropriated from the wells for irrigation of 2445.0 acres. This **exceeds** the amount of water for irrigation use authorized under this permit. The authorized amount of water for irrigation use is 16.81 cfs.

Compliance with Conditions [OAR 690-315-0040(3)(c)]

12. The water right permit holder's conformance with the permit or previous extension conditions.
- a. The Department has considered the permit holder's compliance with conditions, and has identified the following concerns:

The reported amount of water used is in excess of the amount authorized under Permit G-13539.

- 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)]

13. Financial investments made toward developing the beneficial water use.

As of March 26, 2013, the permit holder has invested approximately \$1,286,235, which is approximately 99 percent of the total projected cost for complete development of this project.

Cost to Appropriate and Apply Water to a Beneficial Purpose [OAR 690-315-0040(2)(b)]

14. The permit holder anticipates an additional \$5,000 investment is needed for the completion of this project.

Good Faith of the Appropriator [OAR 690-315-0040(2)(c)]

15. The Department has found good faith of the appropriator under Permit G-13539.

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:

16. 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-13539; 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-13539, located within the Rattlesnake Creek Basin, are not located within a limited or critical ground water area. Rattlesnake Creek Basin is not located within or above any state or federal scenic waterway, however it 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. Rattlesnake Creek Basin is not listed by the Department of Environmental Quality as a water quality limited stream.

17. Economic investment in the project to date [OAR 690-315-0040(4)(d)].

As of March 26, 2013, the permit holder has invested approximately \$1,286,235.

18. Other economic interests dependent on completion of the project [OAR 690-315-0040(4)(e)].

None have been identified.

19. 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.

Fair Return Upon Investment [OAR 690-315-0040(2)(f)]

20. Use and income from the permitted water development will likely result in reasonable returns upon the investment made to date.

Other Governmental Requirements [OAR 690-315-0040(2)(g)]

21. Delay in the development of this project was not caused by any other governmental requirements.

Unforeseen Events [OAR 690-315-0040(2)(h)]

22. None have been identified.

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).

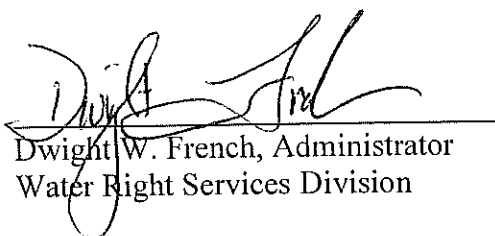
2. The applicant has submitted a complete extension application form and the fee specified in ORS 536.050, as required by OAR 690-315-0040(1)(a).
3. The applicant complied with begin actual construction timeline requirements pursuant to ORS 537.630 as required by OAR 690-315-0040(1)(b) and OAR 690-315-0040(5).
4. Completion of construction and full application of water to beneficial use can be accomplished by October 1, 2018⁵, 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).

Proposed Order

Based upon the foregoing Findings of Fact and Conclusions of Law, the Department proposes to issue an order to:

Extend the time for complete construction of the water and the time to apply water to beneficial use under Permit G-13539 from October 1, 2011 to October 1, 2018.

DATED: September 24, 2013


Dwight W. French, Administrator
Water Right Services Division

*If you have any questions,
please check the information
box on the last page for the
appropriate names and
phone numbers.*

⁵Pursuant 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.

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 **November 8, 2013**, 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 Michele McAleer at (503) 986-0825.
 - 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 Right Services Division
725 Summer St NE, Suite A
Salem, OR 97301-1266
-

Mailing List for Extension PFO Copies

PFO Date: September 24, 2013

Copies Mailed

**Application G-14678
Permit G-13539**

By: SH
On: 9-24-13

Original mailed to Applicant:

Andy Root
HC 73, 174 Harney Road ✓
Burns, OR 97720

Copies sent to:

1. WRD - App. File G-14678/ Permit G-13539 ✓

Fee paid as specified under ORS 536.050 to receive copy:

2. None

**Receiving via e-mail (10 AM Tuesday of signature date)
(DONE BY EXTENSION SPECIALIST)**

1. Thad Hillman, Twhillman@live.com
2. LaVonne Ritches, Margaret Ritches, and Shirley Mingus, at highdeserthair@hotmail.com



CASEWORKER: MRM

Extension PFO Checklist for Other than Muni or Quasi-Municipal

Water Use Permits
(OAR 690-315-0010 through OAR 690-315-0060)

Application: G- 14678 Permit: G- 13539 Permit Amendment? No Yes T- pending approved

** applies to other permit G-13730*

Permit Holder's Name: Andy Root

Permit Holder's Mailing Address: HC 73 174 Harney Rd, Burns, OR 97720 email n/a

Phone Number: 541-493-3645

POD Location: Township 22S Range 32.5E Section 30 $\frac{1}{4}$ SWNE

Drainage Basin: 12 County: Harney Watermaster District: 10 Watermaster: Tony Rutherford

Date Permit was issued: 11/12/1998

Priority Date: 2/2/1998

Date of PN: 4/16/2013

Source: EIGHT WELLS IN RATTLESNAKE CREEK BASIN

Use: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

"Q": 16.81 CUBIC FEET PER SECOND, BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8

Orig "A" Date: 9/30/1999

Orig "B" Date: 10/1/2002

Orig "C" Date: 10/1/2003

Extension request rec'd: 3/26/2013

Last Authorized "B" Date: 10/1/

Last Authorized "C" Date: 10/1/2011

Request Number (1, 2, 3...): 3

Proposed "B" Date: 10/1/

Proposed C Date: 10/1/2018

Conditions of Permit:

Condition Met?	Condition Not Met?	Permit Condition
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shall install a meter or other suitable meas device/maintain/keep complete record of use/allow WM access
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that it develops
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input type="checkbox"/>	

Factors to consider in determining "Reasonable Diligence" [OAR 690-315-0040(3)]:

Yes No

- Work was accomplished within the time allowed in the permit or previous extension
- Water right permit holder conformed with the permit or previous extension conditions
- Financial investments were made toward developing the beneficial water use.

- Amount Invested to date: \$1,286,235 Estimated Remaining Cost: \$5,000

- Beneficial use made of the water during the permit or previous extension time limits

- Permit holder has beneficially used 17.8 cfs gpm af of the total permitted quantity of water on 2445 acres

GW REVIEW: Y N _____

MITIGATION REVIEW: Y N

Has the applicant pursued perfection of the right in good faith and with reasonable diligence? Yes No

Determination of the market and the present demand for water or power to be supplied:

Identify the closest surface water or localized water basin. Rattlesnake Creek Basin
Ground Water Permits: Is the POA located...
Surface Water Permits: Is the POD located...

- Yes No
- above a state scenic waterway? Name _____ Source: OWRD "Areas Above State Scenic Waterways" Map
 - within a stream segment designated as a federal wild and scenic river? Source: www.rivers.gov/wildriverslist.html
 - within a sensitive, threatened or endangered species area Source: "/>gisdata/dev/projects/salmon/div33map.aml"
 - within a critical or limited Ground Water Area? Name of area _____
 - within a Withdrawn Area? Name of area _____
 - in a waterbody listed on the DEQ Section 303(d) List of Water Quality Limited Areas? Date added to list _____
 - within an area ranking low / moderate / high / highest for stream flow restoration needs Source: OWRD "Streamflow Restoration Needs" Maps (by region)

Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?

Yes... "Good Cause" can be found. Approval of Extension Request
No ... "Good Cause" cannot be found. Denial of Extension Request

Conditions to be included in Extension PFO (if applicable)? Yes No

(NOTE: Check the file record for documentation to add a condition(s) at the extension stage.)

- 5-year Progress Report Checkpoints (Years: _____)
- Other: _____

Footnote regarding Claim of Beneficial Use. Choose the appropriate language below and insert as a footnote in the PFO:

COBU Requirement - Surface/Ground Water - on or prior to July 9, 1987

"For permits applied for or received on or before July 9, 1987, upon complete development of the permit, you must notify the Department that the work has been completed and either: (1) Hire a water right examiner certified under ORS 537.798 to conduct a survey, the original to be submitted as required by the Water Resources Department, for issuance of a water right certificate; or (2) Continue to appropriate water under the water right permit until the Water Resources Department conducts a survey and issues a water right certificate under ORS 537.250 or 537.625."

COBU Requirement - Surface Water - post July 9, 1987

"Pursuant to ORS 537.230(4), upon the completion of beneficial use of water allowed under the permit, the permit holder 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 permit holder shall submit a map of the survey and the claim of beneficial use."

COBU Requirement - Ground Water - post July 9, 1987

"Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permit holder 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 permit holder shall submit a map of the survey and the claim of beneficial use."

NOTES:

* add commenters to mailing list for PFO/FO -
1) Chad Hillman, at Twhillman@live.com
2) Lavonne and Margaret Ritchies, and Shirley Mingus,
at Highdeserthair@hotmail.com

Extension "PFO" Dates

Mailing / Issuance Date: 24 Sep 2013 Protest Deadline Date: 8 Nov 2013

Reviewer's Name: [Signature] Date: 4/12/2013

Michele McAleer

From: Michele McAleer
Sent: Thursday, May 23, 2013 3:49 PM
To: 'Thad Hillman'; highdeserthair@hotmail.com
Cc: JR Johnson; Babe Hawk
Subject: Extension of Time Requests for Andy Root, Applications G-14678(Permit G-13539) and G-14888 (Permit G-13730) - Response to Comments

Hello Margaret and Thad -

I hope you don't mind that I'm sending this to both of you, since you have both requested information and provided comments on the same applications, along with Lavonne, and Shirley. All of your comments and concerns will be placed in the file. This way I can get out more information to all of you quickly, and hopefully address all of your concerns.

As for Application G-14678:

- 1) This application for an extension of time indicates that the wells are all existing, being the eight permitted wells, and one additional, which was drilled in 2009.
- 2) For the additional well, is will be applying for a permit amendment so that it is added to the permit, and part of his request for time is for the amendment to be processed.
- 3) The addition of one well, or point of diversion, does not change the amount of water allowed in the existing permit, nor could any additional water, beyond the limit of his current permit, be allowed.
- 4) The second reason for his extension is to request additional time to modify the required plan to monitor and report the impact of water use under this permit on water levels within the aquifer it develops. He has submitted a plan, as required in his permit, which was amended with regard to timing of measurements. I don't have copies of the plan, but our water use reporting and monitoring is all done by Shawn Turner, 503-986-0822, and Karl Wozniak, 503-986-0843. Either one should be able to answer any questions about the plan as currently proposed, and if they are seeking changes to it, and what those would be.
- 5) One other item, the actual construction portion, is that he is requesting time to complete the installation of electronic flow meters. The wells do currently have dedicated electric meters, and he has been reporting water use and levels to the Department, but the electronic flow meters are being added.

To answer Thad's question about digging any of the wells deeper, installation of larger pumps for greater volume, or digging additional wells - the answer is NO to all, according to this application. He makes no mention of intent to do any of those things, and water use in excess of what is currently permitted is not allowed.

- Should you find any change in volume of water available to you, or in the quality of water, you may contact the watermaster's office immediately, as his permits are conditioned - as all permits are - to protect senior water right holders such as yourself.

And for Margaret, LaVonne, and Shirley - Please call Shawn Turner, or Karl Wozniak, at any time, and they can provide you with information regarding the water use and levels that have been reported. As for our public notice, you might bookmark our home page, at www.wrd.state.or.us, so that you can check for any new activities of concern in your area at any time. The information is available 24/7 online, and contains public notice issued every Tuesday morning, going back quite a long time. If you want anything earlier, just call, and we will obtain it for you.

Regarding application G-14888:

- 1) This extension of time pertains to Well 8, 9, and 10, all of which are constructed (and included in the above mentioned permit - they aren't in addition to those listed above)

2) It appears that this application was applied for because a separate application for extension of time must be submitted for each permit affected. It requests time to complete the same permit amendment mentioned above, and also to install the new flow meters on the three wells listed under this permit, and nothing else.

The same rules apply, in that no additional water may be developed beyond what has been authorized in the existing permits, and it cannot be obtained through a permit amendment either. He could amend the acres irrigated, but only if he can make beneficial use of the same amount of water already authorized.

I'm sorry this was so lengthy, but hopefully I've completely addressed all of your concerns. I will also add your names to the mailing list for the final order, so that you each receive a copy at the time it is issued. Please let me know if you have any other concerns or questions. I hope this has been helpful.

Have a great weekend - Michele

Michele McAleer
Adjudication & Extension Specialist
(503) 986-0825



Oregon Water Resources Dept
725 Summer St NE, Suite A
Salem, OR 97301-1266
front desk (503) 986-0900
fax (503) 986-0901
<http://oregon.gov/OWRD>

"As we express our *gratitude*, we must never forget that the highest appreciation is not to utter words, but to live by them." - *John F. Kennedy*



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department
 North Mall Office Building
 725 Summer Street NE, Suite A
 Salem, OR 97301-1271
 503-986-0900
 FAX 503-986-0904

app G-14678

app G-14888

app G-12770

app G-8573

40102

October 6, 2008

ANDY ROOT
 RATTLE SNAKE LAND & CATTLE
 524 HWY 20 N
 HINES, OR 97738

REFERENCE: User Id and Password **28096**

Dear Water User,

You are receiving this letter as a reminder of a water use reporting requirement listed on a water right. Online reporting is available at our web site (www.wrd.state.or.us). To begin, locate the *Water Use Reporting* link under *Featured Links*. By clicking this link, your browser will open a new page where you will be able to log in with your User Id and Password (above). Once you are logged in, the *Select* link will allow you to add data for a particular diversion. Please remember to report zeros for any given month when water was not used. Online reporting will be available through March 31, 2009. If the internet is not accessible, you may use the form provided on the back of this letter to submit your monthly water use data.

Although much effort has been done to add new permits to the Water Use Reporting database, there still may be diversions not included on the web site. Please be aware that most Transfer orders approved within the last few years will not likely appear online. If you notice a diversion not listed that should be, you can either use the form provided to report water use or let me know and we will add it to the database as soon as possible. Additionally, if you would like to designate a facility name for a diversion, please feel free to contact me.

For water rights authorizing less than 0.1 cubic foot per second (CFS) or 9.2 acre-feet, you may assume the maximum quantity allowed under the right and report that volume. For reporting purposes, please convert cubic feet per second to acre feet, using $(1.98)(\text{CFS})(\# \text{ of days used per month})$.

The time and effort of both recording and reporting your water use is greatly appreciated. If you have any questions or need additional time, please let me know.

Sincerely,

Alyssa Mucken

Alyssa Mucken
 Water Measurement Specialist
 Oregon Water Resources Department
 Phone 503.986.0837 Fax 503.986.0902
allyssa.m.mucken@wrdd.state.or.us

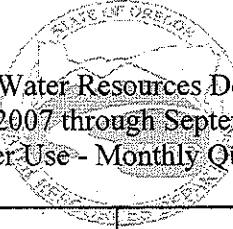
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NOV 05 2008

WATER RESOURCES DEPT
 SALEM, OREGON

2007

Oregon Water Resources Department
 October 2007 through September 2008
 Annual Water Use - Monthly Quantities Form



USER-ID 28096

2008

Facility →					
Report ID →					
October - 2007					
November - 2007					
December - 2007					
January - 2008	<i>See attached 7 sheets</i>				
February - 2008					
March - 2008					
April - 2008					
May - 2008					
June - 2008	RECEIVED				
July - 2008	NOV-05 2008				
August - 2008	WATER RESOURCES DEPT				
September - 2008	SALEM OREGON				
Total *					

* Describe the units of measurement as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe the method of measurement used: CGS/acre/yr If used for irrigation, total number of acres irrigated: _____

I certify this information is true and accurate to the best of my knowledge.

Signature _____ Title _____ Reporting Entity _____ Date _____

Name _____ Mailing Address _____ Phone Number _____

Please complete and mail to: Oregon Water Resources Department; Water Use Reporting Program;
 725 Summer Street NE, Suite A; Salem, OR 97301-1266.



Oregon

Theodore R. Kulongoski, Governor

Water Resources Department

North Mall Office Building
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

app G-12770
app G-14678
app G-14888
app G-16983

October 30, 2006

ANDY ROOT,
PO BOX 946; 72163 RATTLESNAKE RD
BURNS, OR 97720

> New address:
524 Hwy 20 N. ✓ updated db
Hmes, OR 97738

REFERENCE: USER_ID 28096

Dear Water User:

We appreciate your continued cooperation with the Water Use Reporting program. We again request that you report your water use online. If you need to report on a new water right not in the reporting database, you will need to submit a hard copy form. A 2006 monthly quantities form is printed on the reverse.

To report monthly quantities data online, go to our web page at www.wrd.state.or.us and click on the link 'Water Use Reporting' under 'current topics'. Then, click on 'Submit your water use report data' on the Water Use Reporting page. Your USER_ID number is both your Username and your Password to log in. To submit data for a point of diversion, scroll down to the point of diversion and click on 'Insert' to add data for that diversion. Enter the data for one point of diversion at a time. Be sure to be careful to choose the correct units, enter the monthly amounts diverted, and then click the 'Update' button. You will then be given the opportunity to review the data for that diversion to make sure it is correct. Please do so, as once data has been submitted by clicking the 'Submit' button, you cannot edit it. Also, please remember to enter a zero if you did not use a diversion during a month. At present, the system can receive data only for the 2006 water year (October 2005 – September 2006). If you wish to submit data for another year, you will need to submit a hard copy.

Finally, if you use small water right (less than 0.1 CFS or 9.2 AF) and do not measure monthly quantities, you may report the maximum volume allowed under the right. For rates in CFS,

$$AF = 1.98 * CFS * (\# \text{ of days in the month})$$

Thank you in advance. The data you provide is valuable for water management in Oregon.

Yours truly,

Gary L. Ball, PE, PLS
Hydrographics/Measurement & Reporting Manager
Voice: 503-986-0831, Fax: 503-986-0902
Gary.L.BALL@ wrd.state.or.us

COPY

2005

Oregon Water Resources Department
 October 2005 through September 2006
 Annual Water Use - Monthly Quantities Form

USER-ID 28096

2006

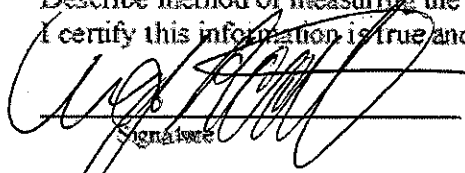


B.I.I. Beal
541 573 6446

Facility ^{or} POD-ID ^{or}					
October - 2005					
November - 2005					
December - 2005					
January - 2006					
February - 2006					
March - 2006	<i>See attached (5) sheets</i>				COPY
April - 2006					
May - 2006					
June - 2006					
July - 2006					
August - 2006					
September - 2006					
TOTAL *					

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: Kwh - acft If use is irrigation, total number acres irrigated 2942 acres
 I certify this information is true and accurate to the best of my knowledge.



 Signature

 Name - Please Print

 Title

 Reporting Entity

12/4/06
 Date

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Please complete and mail to: Water Resources Department, Water Use Reporting Program,
 725 Summer Street NE, Suite A, Salem, OR 97301-1266.

DEC 07 2006

WATER RESOURCES DEPT
 SALEM, OREGON

Andy Root

P.O. Box 946, 72163 RATTLE SNAKE Rd
Burns, OR 97720

User # 28696

2005 - 2006

Wells #1 Pod 47870, #2 Pod 47871, #3 Pod 47872
L-35536 ✓ L-35536 ✓ L-35532 ✓

Permit G-13539 Pivots 4,5,6 = 375 acres

Meter # 16521870 Wells 1 & 2 = 154,400 Kwh

Meter # 97214937 Well # 3 = 88,600 Kwh

TOTAL 242,900 Kwh used

Combined HP = 258

$$\frac{242,900 \text{ Kwh}}{193.5 \text{ basic Kwh/HP}} = \frac{242,900}{193.5} = 1255.3 \text{ hrs} = \frac{1255.3}{24} = 52.3 \text{ days}$$

Water pumped $\frac{2800 \text{ GPM}}{450 \text{ (1 CFS)}} = 6.22 \text{ CFS} = 12.4 \text{ acft/day}$

$$12.4 \text{ acft/day} \times 52.3 \text{ days} = \frac{648.6 \text{ acft/yr}}{375 \text{ acres}} = 1.73 \text{ acft/ac/yr} \checkmark$$

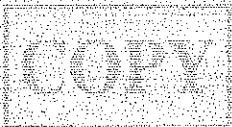
Well #4 Pod: 47873 L-16814 Meter # 21467136 = 188,272 Kwh

85 HP Permit G-13539, G-7920 Pivots 7 & 8 = 250 acres

$$\frac{188,272 \text{ Kwh}}{63.75 \text{ basic Kwh/HP}} = \frac{188,272}{63.75} = 2952.3 \text{ hrs} = \frac{2952.3}{24} = 123.1 \text{ days}$$

Water Pumped $\frac{1250 \text{ GPM}}{450 \text{ (1 CFS)}} = 2.78 \text{ CFS} = 3.56 \text{ acft/day}$

$$123.1 \text{ days} \times 3.56 \text{ acft/day} = \frac{438.2 \text{ acft}}{250 \text{ acres}} = 1.75 \text{ acft/ac/yr} \checkmark$$



Andy Root

P-2 of 5

User ID-280

L-35538
Wells # 5 Pod-47874V

L-28438
Well #6 Pod 47875 V Pivot 9-125 acres

Meter # 99180170 = 77,550 Kwh

HP = 79.2

$$\frac{x \cdot 75}{59.4}$$

$$\frac{77,550 \text{ Kwh}}{59.4} = \frac{1305.6 \text{ hrs}}{24} = 53.4 \text{ days}$$

$$\frac{850 \text{ GPM}}{450 \text{ (1 cfs)}} = 1.89 \text{ cfs} = 3.78 \text{ ac ft/day}$$

$$53.4 \text{ days} \times 3.78 \text{ ac ft/day} = \frac{205.6 \text{ ac ft}}{125 \text{ ac}} = 1.65 \text{ ac ft/ac/yr}$$

L-35539
Well #7 Pod 47876 Permit G-13539 Not used this year

L-35535
Well #8 Pod-48472 Meter # 97131155 = 175,960 Kwh

108.4 HP Pivots 1, 2, 3, 14 = 5.75 acres Permit G-13539, G-1

$$\frac{x \cdot 75 \text{ basic Kwh/HP}}{81.3} = \frac{175,960}{81.3} = \frac{2164.3 \text{ hrs}}{24} = 90.2 \text{ days}$$

$$\frac{3600 \text{ GPM}}{450 \text{ (1 cfs)}} = 8 \text{ cfs} = 16 \text{ ac ft/day}$$

$$90.2 \text{ days} \times 16 \text{ ac ft/day} = \frac{1442.9 \text{ ac ft}}{575 \text{ acres}} = 2.51 \text{ ac ft/ac/yr}$$

L-28334
Well #9 Pod 48473 Meter # 84213406 = 237,960 Kwh

199 HP Permit G-13730 Pivot #10 ~ 125 acres

$$\frac{x \cdot 75}{149.3} = \frac{237,960 \text{ Kwh}}{149.3} = \frac{1593.8 \text{ hrs}}{24} = 66.4 \text{ days}$$

$$\text{Pumped } \frac{900 \text{ GPM}}{450 \text{ (1 cfs)}} = 2 \text{ cfs} = 4 \text{ ac ft/day}$$

$$66.4 \text{ days} \times 4 \text{ ac ft/day} = \frac{265.6 \text{ ac ft}}{125 \text{ acres}} = 2.13 \text{ ac ft/ac/yr}$$

Andy Root

P-3 of 5

User I.P. 28906

Well # 10 1-35540

Meter # 23267949 = 113,573 Kwh

Pivot # 13 125 ac ^(APP) Permit G-14743

permit 913002

79.2 hp

$$\frac{.75 \text{ basic Kwh/hp}}{59.4} \frac{113573 \text{ Kwh}}{59.4} = \frac{1912.0 \text{ hrs}}{24} = 79.7 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 \text{ (1 cfs)}} = 2 \text{ cfs} = 4 \text{ ac ft/day}$$

$$79.7 \text{ days} \times 4 \text{ ac ft/day} = \frac{318.7 \text{ ac ft}}{125 \text{ acres}} = 2.55 \text{ ac ft/ac/yr}$$

Well #14

Meter # 04389602 = 62,544 Kwh

40 hp

80 acres wheel lines

.75

$$\frac{62,544 \text{ Kwh}}{30} = \frac{2084.8 \text{ hrs}}{24} = 86.9 \text{ days}$$

30

$$\frac{650 \text{ GPM}}{450 \text{ (1 cfs)}} = 1.44 \text{ cfs} = 2.88 \text{ ac ft/day}$$

$$86.9 \text{ days} \times 2.88 \text{ ac ft/day} = \frac{250.2 \text{ ac ft}}{80} = 3.12 \text{ ac ft/ac/yr}$$

Well #15

Pivot # 17 120 ac Meter # 9160385 = 117492 Kwh

125 hp

.75

$$\frac{117,492 \text{ Kwh}}{93.75} = \frac{1253.2 \text{ hrs}}{24} = 52.2 \text{ days}$$

93.75

$$\frac{960 \text{ GPM}}{450 \text{ (1 cfs)}} = 2.13 \text{ cfs} = 4.26 \text{ ac ft/day}$$

$$52.2 \text{ days} \times 4.26 \text{ ac ft/day} = \frac{222.5 \text{ ac ft}}{120 \text{ ac}} = 1.85 \text{ ac ft/ac/yr}$$

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Andy Root

P-4 of 5

User ID - 289

L-5
Well # 1

L-5 Pivots

Meter # 86195924 = 166,640 kWh

Pivots 1, 2, 3 = 412 acres Permit G-1284

200 HP

$\frac{.75 \text{ basic kWh/HP}}{150}$

$$\frac{166640 \text{ kWh}}{150} = \frac{1110.9 \text{ hrs}}{24} = 46.3 \text{ days}$$

150

$$\frac{2400 \text{ GPM}}{450 \text{ (1 cfs)}} = 5.33 \text{ cfs} = 10.66 \text{ ac ft/day}$$

$$46.3 \text{ days} \times 10.66 \text{ ac ft/day} = \frac{493.40 \text{ ac ft}}{412} = 1.2 \text{ ac ft/ac/yr}$$

L-5
Well # 2

Meter # 86195925 = 281,200 kWh

Pivot # 4-1250 acres Permit G-9419

200 HP

$\frac{.75 \text{ basic kWh/HP}}{150}$

$$\frac{281200 \text{ kWh}}{150} = \frac{1874.7 \text{ hrs}}{24} = 78.1 \text{ days}$$

150

$$\frac{900 \text{ GPM}}{450 \text{ (1 cfs)}} = 2 \text{ cfs} = 4 \text{ ac ft/day}$$

$$78.1 \text{ days} \times 4 \text{ ac ft/day} = \frac{312.4 \text{ ac ft}}{125 \text{ acres}} = 2.5 \text{ ac ft/ac/yr}$$

L-5
Well # 3

Meter # 10664716 = 134,600 kWh

Pivots 5 & 6 270 acres Permit G-9419

144.5 HP

$\frac{.75 \text{ basic kWh/HP}}{108.4}$

$$\frac{134600 \text{ kWh}}{108.4} = \frac{1241.7 \text{ hrs}}{24} = 51.7 \text{ days}$$

108.4

$$\frac{1400 \text{ GPM}}{450 \text{ (1 cfs)}} = 3.11 \text{ cfs} = 6.22 \text{ ac ft/day}$$

$$51.7 \text{ days} \times 6.22 \text{ ac ft/day} = \frac{321.8 \text{ ac ft}}{270 \text{ acres}} = 1.19 \text{ ac ft/ac/yr}$$

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Andy Root

P. 5 of 5

User ID 28906

L-5
Well #4

99180169
Meter # 05308042

> 79,968 Kwh

Pivot #7 60 acres Permit G-9419

40 HP

$$\frac{.75 \text{ basic Kwh/HP}}{30} \quad \frac{79,968 \text{ Kwh}}{30} \quad \frac{2665.6 \text{ hrs}}{24} = 110.1 \text{ days}$$

$$\frac{300 \text{ GPM}}{450 \text{ (1 cfs)}} = .67 \text{ cfs} = 1.34 \text{ ac ft/day}$$

$$110.1 \text{ days} \times 1.34 \text{ ac ft/day} = \frac{148.8 \text{ ac ft}}{60 \text{ acres}} = 2.48 \text{ ac ft/ac/yr}$$

L-5
Well #5

New
Meter # 85755331 = 281,120 Kwh

212 HP

Pivots 87.9 = 300 acres Appl. G-16460

$$\frac{.75 \text{ basic Kwh/HP}}{159} \quad \frac{281,120 \text{ Kwh}}{159} = \frac{1768.1 \text{ hrs}}{24} = 73.7 \text{ days}$$

$$\text{Pumped } \frac{1800 \text{ GPM}}{450 \text{ (1 cfs)}} = 4 \text{ cfs} = 8 \text{ ac ft/day}$$

$$73.7 \text{ days} \times 8 \text{ ac ft/day} = \frac{589.4 \text{ ac ft}}{300} = 1.97 \text{ ac ft/ac/yr}$$

Note The spring & summer rains helped in reduced pumping.

COPY



2004

Oregon Water Resources Department
October 2004 through September 2005
Annual Water Use - Monthly Quantities Form

USER-ID 28096

2005



Facility <input type="checkbox"/>					
POD-ID <input type="checkbox"/>					
October - 2004					
November - 2004	<i>See attached 7 sheets</i>				
December - 2004					
January - 2005					
February - 2005					
March - 2005					
April - 2005					
May - 2005					
June - 2005					
July - 2005					
August - 2005					
September - 2005					
TOTAL *					

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DEC 07 2005
WATER RESOURCES DEPT
SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-foot)

Describe method of measuring the water used: KWH/acre ft per acre/days. If use is irrigation, total number acres irrigated 1880.2
I certify this information is true and accurate to the best of my knowledge.

Andy Root
Signature

Title

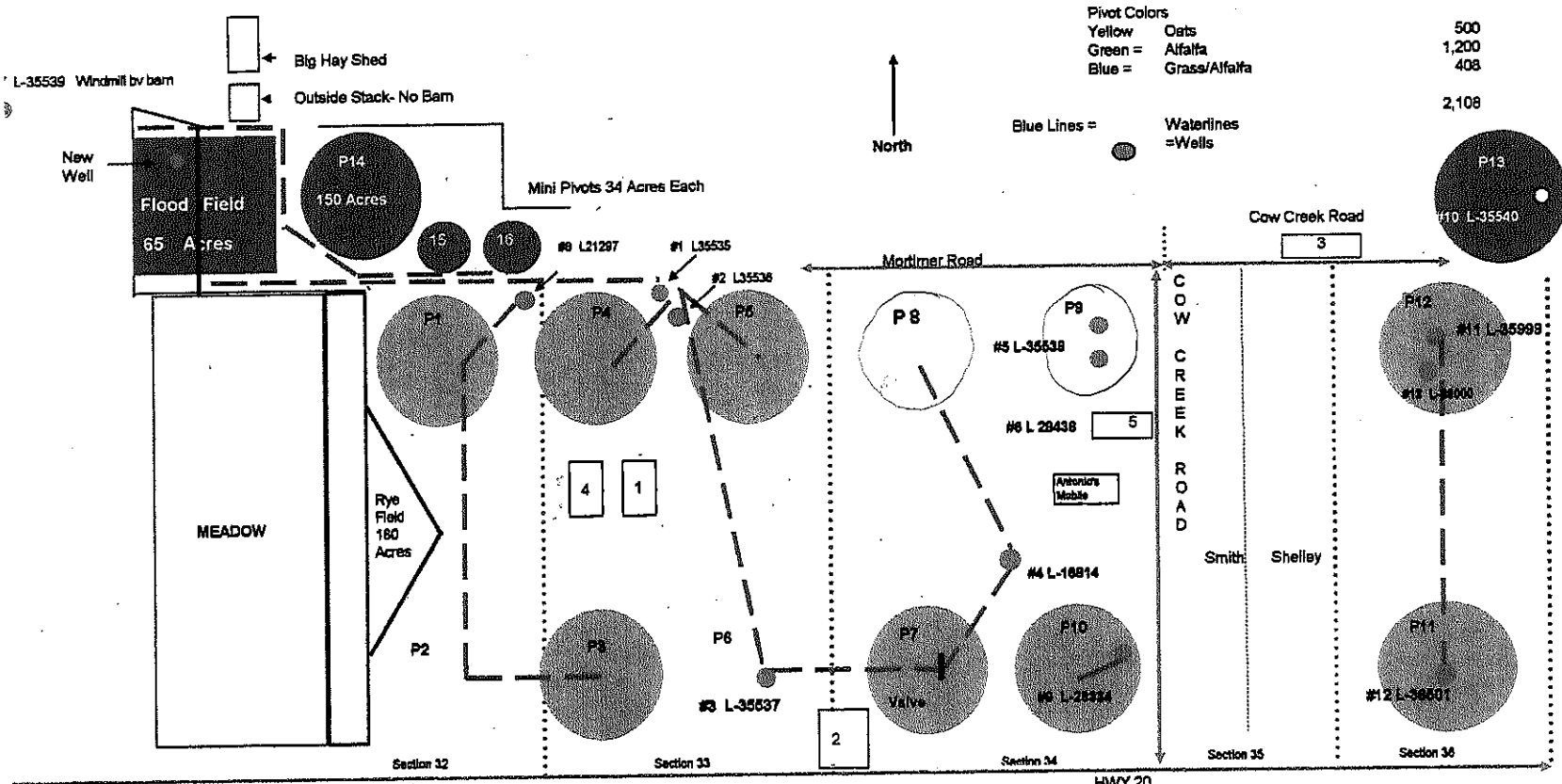
Reporting Entity

12/5/05
Date

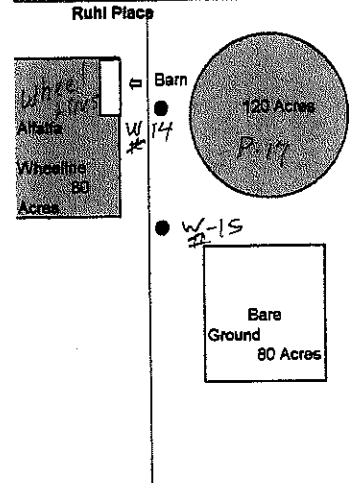
Andy Root
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

2005



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 DEC 07 2005
 WATER RESOURCES DEPT
 SALEM, OREGON



All pivots are 125 acres, except # 14 which is 150 acres.

PIVOT #	MAKE	MODEL
Home		
1	Valley	8000
2	Valley	8000
3	Valley	8000
4	Valley	6000
5	Valley	6000
6	Zimatic	310
7	Valley	8000
8	Valley	8000
9	Pringle	891503
10	Valley	8000
14	Valley	8000
Spare		
Cow Creek		
11	Valley	6000
12	Valley	6000
13	Valley	8000

Kerry Road

TYPE	SERIAL #	WELL #	PUMP MAKE	HP	SERIAL #	TURBINE
		8	U.S.	150	8910010	Yes
		"				
		1	U.S.	125	9R024R-3	Yes
		"				
10	1990	3	U.S.	100	R2024071	Yes
	2805297	4		125	9983A-8024271M	Yes
	2805397	"				
	891503	5	U.S.	75	R-8327-02076R2107557S	No
	2486188	9	G.E.	75	ZMD7812D11	Yes
	10023941	2	G.E.	50	MMJ831334	Yes
		6		25	Submersible-SN# unknown	No
		11	U.S.	40	FNJ808312	Yes
	60030	11				
	60029	12	U.S.	40	R2112490D	Yes
		13		25	Submersible-SN# unknown	No
	2805497	10	U.S.	75	8321A-805-5868M	Yes

Andy Root

user ID# 28096

P.O. 946

72163 RATTLE SNAKE CREEK

Burns, OR 97720

Wells #1 L-35535 POD I.D. = 47870, #2 L-35536 POD I.D. = 47871, #3 L-35532 POD I.D. = 47872

Permit G-13539 Pivots 4, 5, 6 = 375 acres

meter # 16521890 (Pumps 1 & 2) = 249640 KWH

meter # 97214937 Pump 3 = 108440 KWH

Total = 358080

Combined HP = 258

x .75 basic Kwh/HP if meter is accurate

193.5

Total Kwh = $\frac{358080}{193.5} = \frac{1850.5}{24}$ hrs = 77.1 daysWater Pumped $\frac{2800}{450}$ GPM = 6.22 cfs = 12.44 ac ft/day12.44 ac ft/day x 77.1 days = $\frac{959.12}{375}$ ac ft/yr = 2.56 ac ft/ac/yr

L-16814

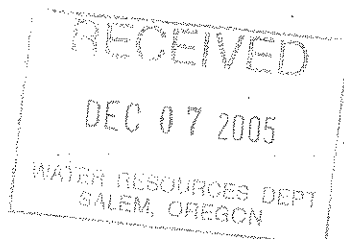
Well #4 POD I.D. = 47873 meter # 21467136 = 133094 Kwh

Permit G-13539, 7920 Pivots 7 & 8 = 250 acres

HP = 85

x .75 basic Kwh/HP. $\frac{133094}{63.75} = \frac{2087.75}{24}$ hrs = 87 days

63.75

Water Pumped $\frac{1650}{450}$ GPM = 3.67 cfs = 7.34 ac ft/day87 days x 7.34 ac ft/day = $\frac{638.50}{250}$ ac ft/yr = 2.55 ac ft/ac/yr

L-35538 Well #5 POD I.D. #47874 Meter (Previous 16523846) ^{new} 99180170 = 94,370 Kwh

L-28438

Well #6 POD I.D. 47875

Pivot #9 = 125 acres Permit G-13539, 7920

HP 79.2

$\frac{.75}{59.4 \text{ Kwh}} \cdot \frac{94370 \text{ Kwh}}{59.4 \text{ Kwh}} = \frac{209.7 \text{ hr}}{24} \approx 8.74 \text{ days}$

$\frac{850}{450} \text{ GPM} = 1.89 \text{ cfs} = 3.78 \text{ acft/day}$

$8.74 \text{ days} \times 3.78 \text{ acft/day} = \frac{33.04 \text{ acft}}{125} = 0.26 \text{ acft/ac/yr}$

L-35539

Permit G-13539

Well #7 POD I.D. = 47876

wasn't used in 2005

L-35535

Well #8 POD I.D. = 48472

Meter #97131155 = 173840 Kwh

Pivots 1, 2, 3 & 14 = 575 acres Permit G-13539, 13730

108.4 HP

$\frac{.75 \text{ basic Kwh/hp}}{81.3 \text{ Kwh}} \cdot \frac{173840 \text{ Kwh}}{81.3 \text{ Kwh}} = \frac{2138.25}{24} \approx 89.1 \text{ Days}$

$\frac{3600}{450} \text{ GPM} = 8 \text{ cfs} = 16 \text{ acft/day}$

$89.1 \text{ days} \times 16 \text{ acft/day} = \frac{1425.6 \text{ acft/yr}}{575 \text{ acres}} = 2.48 \text{ acft/ac/yr}$

L-28334

Well #9 POD I.D. = 48473

Meter #84213406 = 229320

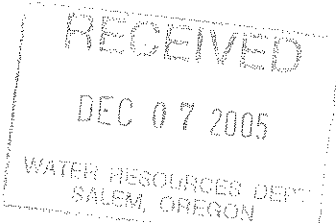
199 HP

Permit G-13730

$\frac{.75 \text{ basic Kwh/hp}}{149.3 \text{ Kwh}} \cdot \frac{229320 \text{ Kwh}}{149.3 \text{ Kwh}} = \frac{1535.97}{24} \approx 6.4 \text{ days}$

$\frac{900 \text{ GPM}}{450 \text{ (1 cfs)}} \text{ Pump} = 2 \text{ cfs} = 4 \text{ acft/day}$

$6.4 \text{ days} \times 4 \text{ acft/day} = \frac{255.99 \text{ acft/yr}}{125 \text{ acres}} = 2.05 \text{ acft/ac/yr}$



L-35540

Well #10

meter # 23267949 = 100323 Kwh

Permit G-14743

Pivot #13 = 113.2 acres

79.2 HP

$$\frac{.75 \text{ basic Kwh/hp}}{59.4 \text{ Kwh}} \frac{100323 \text{ Kwh}}{59.4 \text{ Kwh}} = \frac{1688.94}{24} = 70.4 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 \text{ (1 CFS)}} = 2 \text{ CFS} = 4 \text{ ac ft/day}$$

$$70.4 \text{ days} \times 4 \text{ ac ft/day} = \frac{281.49 \text{ ac ft}}{113.2 \text{ acres}} = 2.49 \text{ ac ft/ac/yr}$$

L-36501

Well #11 POD I.D. = 61653

Meter # 84183262 = 21,080 Kwh

47 HP

Pivots #11 & #12 = 250 acres Permit G-12931

$$\frac{.75 \text{ basic Kwh/hp}}{35.3} \frac{21,080}{35.3} = \frac{597.17}{24} = 24.88 \text{ days}$$

$$\frac{700 \text{ GPM}}{450 \text{ (1 CFS)}} = 1.56 \text{ CFS} = 3.12 \text{ ac ft/day}$$

$$24.88 \text{ days} \times 3.12 \text{ ac ft/day} = \frac{77.62 \text{ ac ft}}{250 \text{ acres}} = 0.31 \text{ ac ft/ac/yr}$$

L-36501

Well #12

meter # 84183259 = 21,610 Kwh

Permit G-7920

Pivots #11 & #12 = 250 acres Permit G-12931

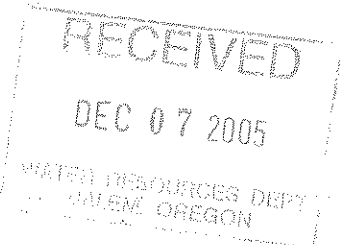
40 HP

61654

$$\frac{.75}{30} \frac{21,610 \text{ Kwh}}{30} = \frac{72033 \text{ hrs}}{24} = 30 \text{ days}$$

$$\frac{400 \text{ GPM}}{450 \text{ (1 CFS)}} = .89 = 1.78 \text{ ac ft/day}$$

$$30 \text{ days} \times 1.78 \text{ ac ft/day} = \frac{53.42}{250 \text{ acres}} = .21 \text{ ac ft/ac/yr}$$



Well #13 L-36000

Meter #84183261 = 79,720 kWh

Permit G-7920, 12931

Pivots 11 & 12 = 250 acres

47 HP

$$\frac{.75 \text{ basic kWh/HP}}{35.25} \times \frac{79720}{35.25} = \frac{2261.56 \text{ hrs}}{24} = 94.2 \text{ days}$$

$$\frac{800 \text{ GPM}}{450 \text{ (1 cfs)}} = 1.78 \text{ cfs} = 3.56 \text{ acft/day}$$

$$94.2 \text{ days} \times 3.56 \text{ acft/day} = \frac{335.35 \text{ acft/yr}}{250 \text{ acres}} = 1.34 \text{ acft/ac/yr}$$

Note wells # 11, 12 & 13 Service Pivots 11 and 12

Well # 11 = .31

Well # 12 = .21

Well # 13 = 1.34

Total = 1.86 acft/ac/yr

Well # 14

Meter # 04389602 = 35760 kWh

40 HP

Wheel Lines 80 acres

$$\frac{.75 \text{ basic}}{30} \times \frac{35760 \text{ kWh}}{30 \text{ hr}} = \frac{1192 \text{ hrs}}{24} = 49.7 \text{ days}$$

$$\frac{.50 \text{ GPM}}{450 \text{ (1 cfs)}} = 1.44 \text{ cfs} = 2.88 \text{ acft/day}$$

$$49.7 \text{ days} \times 2.88 \text{ acft/day} = \frac{143 \text{ acft}}{80 \text{ acres}} = 1.78 \text{ acft/ac/yr}$$

Well # 15 Pivot # 17 120 acres Meter #79160385 = 135539

$$\frac{125 \text{ HP}}{1.75} \times \frac{135539 \text{ kWh}}{93.75} = \frac{1445.8 \text{ hrs}}{24} = 60.2 \text{ days}$$

$$\frac{960 \text{ GPM}}{450} = 2.13 \text{ cfs} = 4.26 \text{ acft/day}$$

$$4.26 \text{ acft/day} \times 60.2 \text{ days} = \frac{256.5 \text{ acft}}{120 \text{ acres}} = 2.13 \text{ acft/ac/yr}$$

RECEIVED
DEC 07 2005
WATER RESOURCES DIV.
SALEM, OREGON

Andy Root

P.O. 946

Burns OR 97720

Leathers Property

Well # 1

Meter # 86195924 = 216360 Kwh

Pivots 1, 2, 3 = 412 acres

HP 200

75 basic Kwh/hp if meter is accurate.

$$150 \quad \frac{216360 \text{ Kwh}}{150} = \frac{1442.4 \text{ hrs}}{24} = 60.1 \text{ days}$$

$$\frac{2400 \text{ GPM}}{450 \text{ CFS}} = 5.33 \text{ CFS} = 10.66 \text{ ac ft/day}$$

$$10.66 \text{ ac ft/day} \times 60.1 \text{ days} = \frac{640.67 \text{ ac ft}}{412 \text{ acres}} = 1.56 \text{ ac ft/ac/yr}$$

Well # 2

Meter # 86195925 = 227120 Kwh

200 HP

Pivot #4 125 acres

x 75

$$150 \quad \frac{227120 \text{ Kwh}}{150} = \frac{1514.1 \text{ hrs}}{24} = 63.1 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 \text{ CFS}} = 2 \text{ CFS} = 4 \text{ ac ft/day}$$

$$4 \text{ ac ft/day} \times 63.1 \text{ days} = \frac{252.4 \text{ ac ft}}{125 \text{ acres}} = 2.02 \text{ ac ft/ac/yr}$$

Well # 3

Meter # 10664716 = 112880 Kwh

125 hp

Pivots 5 & 6 = 270 acres

75

$$93.75 \quad \frac{112880 \text{ Kwh}}{93.75} = \frac{1204.1 \text{ hrs}}{24 \text{ hrs}} = 50.2 \text{ days}$$

$$\frac{1400 \text{ GPM}}{450 \text{ CFS}} = 3.11 \text{ CFS} = 6.22 \text{ ac ft/day}$$

$$50.2 \text{ days} \times 6.22 \text{ ac ft/day} = \frac{312.4 \text{ ac ft}}{270 \text{ acres}} = 1.16 \text{ ac ft/ac/yr}$$

WATER RESOURCES DEPT
SALEM, OREGON
DEC 07 2005

RECEIVED



OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT



Dear Water User: Water year 2004 has ended! All water use reports for October 2003 to September 2004 are requested to be submitted. During the past year we transferred our data to a new computer system, and have developed a website from which you may submit your data, if you so choose. In some cases the references numbers for points of diversion may have been changed. If this creates a problem for you, please contact me. If you would like to use the new site go to the web address listed below. You will not need to mail in this completed form. This information is important for water management in Oregon. Please, complete the form on the reverse side for the water rights listed below by December 31, 2004. If you have questions, or need more time please, contact me at 503-986-0833. Thank you for your attention to this matter. Mary Graine

ANDY ROOT

<http://www.wrd.state.or.us>

PO BOX 946; 72163 RATTLESN
BURNS OR 97720

User-ID 28096
Password: 28096

Range 32 1/2

POD-ID	FACILITY	CERT	PERMIT	APFL	PRIORITY	USE	L/S	TWP	RANGE	SEC	Q/Q	RATE	SOURCE	TRIBUTARY TO
47870		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	33	NENW	3.8 C	C WELL 1	RATTLESNAKE CR
47871		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	33	NENW	1.1 C	C WELL 2	RATTLESNAKE CR
47872		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	33	NESE	2.8 C	C WELL 3	RATTLESNAKE CR
47873		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	34	NESW	2.8 C	C WELL 4	RATTLESNAKE CR
47874		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	34	SENE	1.6 C	C WELL 5	RATTLESNAKE CR
47875		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	34	SWNE	0.32 C	C WELL 6	RATTLESNAKE CR
47876		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	30	SWNE	0.33 C	C WELL 7	RATTLESNAKE CR
47877		0 G	13539 G	14678	2/2/1998	IC	L	22 S	33 E	32	NWNE	4 C	C WELL 8	RATTLESNAKE CR
48472		0 G	13730 G	14888	12/22/1998	IR	L	22 S	33 E	32	NENE	3 C	P WELL 8	RATTLESNAKE CR
48473		0 G	13730 G	14888	3/12/1999	IR	L	22 S	33 E	34	SWSE	0.08 C	P WELL 9	RATTLESNAKE CR
61653		67657 G	7920 G	8573	12/12/1977	IC	L	22 S	33 E	36	NENW	0.52 C	C WELL 4	E COW CR
61654		67657 G	7920 G	8573	12/12/1977	IC	L	22 S	33 E	36	NWNW	0.93 C	C WELL 5	E COW CR

Note These Two well belong To Ross Stielly

USER-ID 28096

2003

Oregon Water Resources Department
 October 2003 through September 2004
 Annual Water Use - Monthly Quantities Form

USER-ID 28096

2004

RECEIVED WRD

Facility					
POD-ID					NOV 17 2004
October - 2003					WATER RESOURCES DEPT SALEM, OREGON
November - 2003					
December - 2003					
January - 2004					
February - 2004					
March - 2004					
April - 2004					
May - 2004					
June - 2004					
July - 2004					
August - 2004					
September - 2004					
TOTAL *					

see attached 4 pages for year 2004

Note in the #4 well also the well do not belong to it is owned by the Range in description #4 and US. Shelly To Ron

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: KWH-HP-acreage. If use is irrigation, total number acres irrigated 1425.0
 I certify this information is true and accurate to the best of my knowledge.

Signature

President

Title

Reporting Entity

Date

11/15/04

Andy Root
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program; 725 Summer Street NE; Suite A, Salem, OR 97301-1271, or Fax 503-986-0902.

2002

Oregon Water Resources Department
October 2002 through September 2003
Annual Water Use - Monthly Quantities Form

2003



Facility <input type="checkbox"/>					
POD-ID <input type="checkbox"/>					
October - 2002					
November - 2002	SEE ATTACHED				
December - 2002					
January - 2003	3 sheets				
February - 2003					
March - 2003					
April - 2003					
May - 2003					
June - 2003					RECEIVED
July - 2003					JAN 12 2003
August - 2003					WATER RESOURCES
September - 2003					
TOTAL *					

Answer 6 mmo
776

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: KWH - GPM . If use is irrigation, total number acres irrigated _____

I certify this information is true and accurate to the best of my knowledge.

Andy Root
Signature

owner
Title

Andy Root
Reporting Entity

12-29-03
Date

Andy Root
Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1271



OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT



Dear Water User: Water year 2003 has ended! All water use reports for October 2002 to September 2003 are requested to be submitted. We are a little late this year due to our efforts to develop a website from which you may submit your data, if you so choose. If you would like to test the new site go to the web address listed below. You will not need to mail in this completed form. This information is important for water management in Oregon. Please, complete the form on the reverse side for the water rights listed below by March 1, 2004. If you have questions, or need more time please, contact me at 503-986-0833. Thank you for your attention to this matter.
Mary Grainey

ANDY ROOT
PO BOX 946; 72163 RATTLESN
BURNS OR 97720

<http://stamp.wrd.state.or.us/apps/wr/wateruse/wateruse.php>

User-ID 28096
Password: 28096

47870	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 33	NENW	3.8 C C WELL 1	RATTLESNAKE CR
47871	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 33	NENW	1.1 C C WELL 2	RATTLESNAKE CR
47872	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 33	NESE	2.8 C C WELL 3	RATTLESNAKE CR
47873	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 34	NESW	2.86 C C WELL 4	RATTLESNAKE CR
47874	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 34	SENE	1.6 C C WELL 5	RATTLESNAKE CR
47875	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 34	SWNE	0.32 C C WELL 6	RATTLESNAKE CR
47876	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 30	SWNE	0.33 C C WELL 7	RATTLESNAKE CR
47877	0 G 13539 G 14678	2/2/1998	IC L	22 S 33 E 32	NWNE	4 C C WELL 8	RATTLESNAKE CR
48472	0 G 13730 G 14888	12/22/1998	IR L	22 S 33 E 32	NENE	3 C P WELL 8	RATTLESNAKE CR
48473	0 G 13730 G 14888	3/12/1999	IR L	22 S 33 E 34	SWSE	0.08 C P WELL 9	RATTLESNAKE CR

32.5
HARD 1579

62483 - 6 9199

1) 23 S 32.5 4 NENE HARD 633
2) 22 S 32.5 33 NWNW HARD 1912
3) SESE 50457
4) 34 NESW 50241
5) 23 S 26 E 7 SESE HARD 241
6) 22 S 22.5 34 NWNE HARD 241
7) 22 S 32.5 32 NENE 50422 50668
50362

USER-ID 28096

Andy Root
P.O. box 946
Burns, OR 97720

user I.D. #28096

Wells #1-L-35535, #2 L-35536 & #3 L-35537

Pivots 4, 5 & 6 = 375 acres

Meter # 16521890 (1 & 2 wells) 380,640 Kwh

meter # 97214937 (#3 well) $\frac{121,870}{502,510}$ Kwh

Combined H.P. 258

$\times .75$ basic Kwh/hp $\frac{502,510}{193.5} = \frac{2596.95}{24} = 108.2$ days
193.5 Kwh

Combined GPM = $\frac{2300}{450}$ GPM = 5.11 CFS $\times 2 = 10.22$ ac ft/day
(10FS)

10.22 ac ft/day $\times 108.2$ days = $\frac{1106.04}{375} = 2.95$ ac ft/ac/yr

Well #4-L16814 Meter #76476666/Replaced by #21467136 = 146,487 Kwh

Pivots #7 & #8 = 250 acres

85 HP

$\times .75$ basic Kwh/hp $\frac{146,487}{63.75} = \frac{2297.8}{24} = 95.7$ days
63.75 Kwh

$\frac{1650}{450}$ GPM = 3.67 $\times 2 = 7.34$ ac ft/day
(10FS)

7.34 ac ft/day $\times 95.7$ days = $\frac{701.8}{250}$ ac ft/ac/yr = 2.81 ac ft/ac/yr

POD-1D
47870
APP @ 14678

1106 AF
3000 GPM

18 1/2 AF/mo

POD-1D
47873
APP @ 14678

701.8
6

117 AF
mo.

? till to wrong log P-2 of 3

Well # 5 - L-35538 Well # 6 - L-28438 Pivot 9 125 acres

79.2 HP

Meter # 99180170

Previous # 16523846

x .75 basic kWh/hp

kwh = 118,800

59.4 kWh/hp

$$\frac{118,800}{59.4} = \frac{2000 \text{ hrs}}{24} = 83.3 \text{ days}$$

$$\frac{850 \text{ GPM}}{450 \text{ (CFS)}} = 189 \text{ CFS} \times 2 = 378 \text{ ac ft/day} \times 83.3 \text{ days} = \frac{314.9 \text{ ac ft}}{125 \text{ ac}}$$

$$\frac{314.9}{6}$$

52.5 AF/mo

252 ac ft/ac/yr

Well # 8 - L-21297

Meter # 97131155

179,110 kWh Pivots 1, 2, 3, 14 Mini Pivots (2)

593 acres

108.4 HP

$$\frac{179,110}{81.3} = \frac{2203 \text{ hrs}}{24} = 91.8 \text{ days}$$

.75 basic kWh/hp

81.3 HP

$$\frac{3600 \text{ GPM}}{450 \text{ (CFS)}} = 8 \text{ CFS} = 16 \text{ ac ft/day}$$

$$16 \times 91.8 \text{ days} = \frac{1468.7}{593} = 2.48 \text{ ac ft/ac/yr}$$

POD-ID

48472

APP G 14888

$$\frac{1468.7}{6}$$

247.1 AF/mo

Well # 9 - L-28334 Pivot #10 125 acres

Meter # 84213406 - 275,200 kWh

199 HP

.75 basic kWh/hp

$$\frac{275,200 \text{ kWh}}{149.3 \text{ kw}} = \frac{1843.3}{24} = 76.8 \text{ days}$$

149.3 kw

$$\frac{900 \text{ GPM}}{450 \text{ (CFS)}} = 2 \text{ CFS} = 4 \text{ ac ft/day}$$

$$76.8 \text{ days} \times 4 \text{ ac ft/day} = \frac{307.2}{125} = 2.46 \text{ ac ft/ac/yr}$$

48473

APP G 14888

$$\frac{307.2}{6}$$

51.2 AF/mo

POP-ID

Well #10-L-35540 Meter # 95983507 Replaced by 23267949

Sec 30.

Pivot # 13. 125 acres 70,233 Kwh

47876
APP G HGTB

79.2 HP

$$.75 \text{ basic Kwh/HP} \frac{70,233}{59.4} = \frac{1182.4}{24} = 49.3 \text{ days}$$

59.4 Kwh

$$\frac{900 \text{ GPM}}{450 \text{ (1 CFS)}} = 2 \text{ CFS} = 400 \text{ ft/day}$$

$$49.3 \text{ days} \times 400 \text{ ft/day} = \frac{19710 \text{ acft}}{125 \text{ acres}} = 1.58 \text{ acft/ac/yr}$$

1971

32.8 AF
mm

Sec 36 DEED
Ham 212

Well #11-L-35999 Well #13L-36000 Pivot #12 = 125 acres

47HP + 47HP = 94 HP Combined Meter #84-183261 = 51,920 Kwh

Meter # 8418362 = 28,940 Kwh

94 HP

80,860 Kwh

x .75 basic Kwh/HP

70.5 Kwh

$$\frac{80,860}{70.5} = \frac{1147}{24} = 47.8 \text{ days}$$

Well #13 = 600 GPM Well #11 = 330 GPM Total 930 GPM

$$\frac{930 \text{ GPM}}{450 \text{ (1 CFS)}} = 2.1 \text{ CFS} = 4.2 \text{ acft/day}$$

$$47.8 \text{ days} \times 4.2 \text{ acft/day} = \frac{200.8 \text{ acft}}{125 \text{ acres}} = 1.6 \text{ acft/ac/yr}$$

POP-ID 45445
APP G 8573

200.8
6

33.5 AF
mm

Sec 36
Ham 213

Well #12 L-36501

Meter # 84183259 - 73,120 Kwh

Pivot # 11 - 125 acres

67657 67920

40 HP

$$.75 \text{ basic Kwh/HP} \frac{73,120}{30} = \frac{2437.3}{24} = 101.6 \text{ days}$$

30 Kwh

$$\frac{600 \text{ GPM}}{450 \text{ (1 CFS)}} = 1.3 \text{ CFS} = 2.6 \text{ acft/day}$$

$$101.6 \text{ days} \times 2.6 \text{ acft/day} = \frac{264.2 \text{ acft}}{125 \text{ acres}} = 2.11 \text{ acft/ac/yr}$$

264.2
6

44.0 AF
mm

POP-ID 45446
APP G 8573

9/16

2001

Oregon Water Resources Department
 October 2001 through September 2002
 Annual Water Use - Monthly Quantities Form

USER-ID 28096

2002



Andy Root Box 946 Burns, OR 97720

Facility <input type="checkbox"/>				
POD-ID <input type="checkbox"/>				
October - 2001				
November - 2001				
December - 2001	<u>See ATTached 3 pages</u>			
January - 2002				
February - 2002	<u>For water use in year 2002</u>			
March - 2002				
April - 2002				
May - 2002				
June - 2002				
July - 2002				
August - 2002				
September - 2002				
TOTAL *				

Andy Root 11-19-2002
 Reportedly spoke w
 John Wynn about calculating
 water use from elec meter
 + believed he had approval
 - Andy G
 telephone 541-589-0107
 Will write static plan + get WORE

RECEIVED
 NOV 18 2002
 WATER RESOURCES DEPT
 SALEM, OREGON

* Describe the units of measure as G (gallons), KG (thousand gallons), MG (million gallons), CF (cubic feet), MCF (million cubic feet), or AF (acre-feet)

Describe method of measuring the water used: GPM/Kwh/days. If use is irrigation, total number acres irrigated 1688

I certify this information is true and accurate to the best of my knowledge.

Andy Root
 Signature

Owner
 Title

Reporting Entity

11/14/02
 Date

Andy Root
 Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
 158 12th Street NE; Salem, OR 97310-0210



OREGON WATER RESOURCES DEPARTMENT SUMMARY OF WATER RIGHTS FOR WATER USE REPORT



Dear Water User: It is a new water year! All water use reports for October 2001 to September 2002 are requested to be submitted by January 1, 2003. This information is important for water management in Oregon. Please complete the form on the reverse side for the water rights listed below. If you have questions, or need more time please, contact me at 503-378-8455 ext. 333. Thank you for your attention to this matter. Mary Graine

ANDY ROOT USER-ID 28096
PO BOX 946
BURNS OR 97720

POD-ID	FACILITY	CERT	PERMIT	APPL	PRIORITY	USE	L/S	TWP	RANGE	SEC	Q/Q	RATE	SOURCE	TRIBUTARY TO			
47870		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	33	NENW	3.8 C C WELL 1 1700	RATTLESNAKE CR
47871		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	33	NENW	1.1 C C WELL 2 500	RATTLESNAKE CR
47872		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	33	NESE	2.8 C C WELL 3 1250	RATTLESNAKE CR
47873		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	34	NESW	2.86 C C WELL 4 1300	RATTLESNAKE CR
47874		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	34	SENE	1.6 C C WELL 5 700	RATTLESNAKE CR
47875		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	34	SWNE	0.32 C C WELL 6 145	RATTLESNAKE CR
47876		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	30	SWNE	0.33 C C WELL 7 150	RATTLESNAKE CR
47877		0	G	13539	G	14678	2/2/1998	IC	L	22	S	33	E	32	NWNE	4 C C WELL 8 1800	RATTLESNAKE CR
48472		0	G	13730	G	14888	12/22/1998	IR	L	22	S	33	E	32	NENE	3 C P WELL 8	RATTLESNAKE CR
48473		0	G	13730	G	14888	3/12/1999	IR	L	22	S	33	E	34	SWSE	0.08 C P WELL 9	RATTLESNAKE CR

48104

6 13602 14743

Andy Root
P.O. Box 946

P-1 of 3

USER ID # 28096

Burns OR 97720

Wells ^{ID-47870} 1 (L-35535), ^{ID-47871} 2 (L-35536), ^{ID-47872} 3 (L-35537) Permit G-13539

Pivots 4, 5 & 6 = 375 acres Meter # 16521890 (1 & 2)

389280 KWH Meter # 97214937 (3) 109860 KWH

Combined HP = 258 HP

x .75 basic Kwh/HP

193.5

$$\text{TOTAL KWH} = \frac{499,140}{193.5} = \frac{2579.5}{24} = 107.5 \text{ days}$$

$$\frac{2400 \text{ GPM}}{450 \text{ (CFS)}} = 5.33 \text{ CFS} \times 2 = 10.66 \text{ ac ft/day}$$

$$10.7 \text{ ac ft/day} \times 107.5 \text{ days} = \frac{1150.3 \text{ acft/yr}}{375 \text{ ac}} = 3.07 \text{ acft/ac}$$

Well # 4 ^{ID-47873} (L-16814) Meter # 76476661 Permit # G-13539

65280 KWH

Pivots # 7 & 8 = 250 ac

85 HP

$$\frac{65280}{63.75} \times \frac{.75 \text{ basic Kwh/HP}}{24} = \frac{1024 \text{ hrs}}{24} = 42.7 \text{ days}$$

$$\frac{1650 \text{ GPM}}{450 \text{ (CFS)}} = 3.67 \times 2 = 7.34 \text{ ac ft/day}$$

$$7.34 \text{ ac ft/day} \times 42.7 \text{ days} = \frac{313.1 \text{ acft}}{250 \text{ ac}} = 1.25 \text{ acft/ac}$$

Wells # 5 ^{ID-47874} (L-35538) # 6 ^{ID-47875} (L-28438) Meter # 799180170 Permit # 9 125 ac

79.2 HP

$$\frac{129300 \text{ Kwh}}{59.4} \times \frac{.75}{24} = \frac{2176 \text{ hrs}}{24} = 90.7 \text{ days}$$

59.4 hr/HP

$$\frac{850 \text{ GPM}}{450 \text{ (CFS)}} = 1.89 \times 2 = 3.78 \text{ ac ft/day} \times 90.7 \text{ days} = \frac{342.16 \text{ acft}}{125 \text{ ac}} = 2.74 \text{ acft/ac}$$

Well # 7 ^{ID-47876} (L-35539) Wasn't used in 2002

RECEIVED

NOV 18 2002

WATER RESOURCES DEPT
SALEM, OREGON

P. 2 of 3
 ID: 47877 214840 kWh USER ID # 28096
 Well # 8 (L-35535) meter # 97131155 Permits G-14888
 G-14678
 G-13730

Pivots 1, 2, 3, & 14 = 575 acres

108.4 HP

$$\frac{x.75}{81.3 \text{ kWh/HP}} \quad \frac{214840 \text{ kWh}}{81.3} = \frac{2642.6}{24} = 110.1 \text{ days}$$

$$\frac{3600 \text{ GPM}}{450} = 8.0 \text{ CFS} = 16 \text{ ac ft/day}$$

$$110.1 \text{ days} \times 16.0 \text{ ac ft/day} = \frac{1761.6 \text{ ac ft}}{575} = 3.06 \text{ ac ft/acre}$$

ID: 48473 193600 kWh G-14888
 Well # 9 (L-28334) meter # 84213406 Permits G-13730

Pivot # 10 = 125 acres

199 HP

$$\frac{x.75}{149.3 \text{ kWh/hr}} \quad \frac{193600}{149.3} = \frac{1296.7}{24} = 54.0 \text{ days}$$

$$\frac{900 \text{ GPM}}{450} = 2 \text{ CFS} = 4 \text{ CFS/day} \quad \text{AF}$$

$$54.0 \text{ days} \times 4 \text{ CFS/day} = \frac{216 \text{ AF}}{125 \text{ ac}} = 1.73 \text{ ac ft/acre}$$

ID 48104 71,500 kWh
 Well # 10 (L-35540) meter # 95983507 Permit G-14743

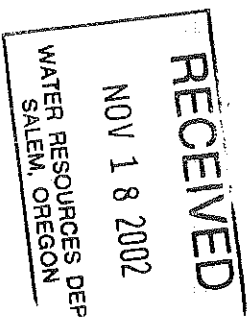
Pivot # 13 = 113 acres

79.2 HP

$$\frac{x.75}{59.4 \text{ Kw/HP}} \quad \frac{71,500}{59.4} = \frac{1203.7 \text{ kWh}}{24} = 50.2 \text{ days}$$

$$\frac{900 \text{ GPM}}{450} = 2 \text{ CFS} \times 2 = 4 \text{ ac ft/day} \times 50.2 \text{ days} = 200.6 \text{ ac ft}$$

$$\frac{200.6 \text{ CFS}}{113 \text{ ac}} = 1.78 \text{ ac ft/acre}$$



Wells # 11 (L-35999) meter # 84183262 79390 Kwh

12 (L-36501) meter # 84183259 55100 Kwh

13 (L-3600) meter # 84183261 70,170 Kwh

11 = 47 HP

Total 204,660

12 = 40 HP

13 = 47 HP

134 HP

$\frac{x.75}{100.5}$

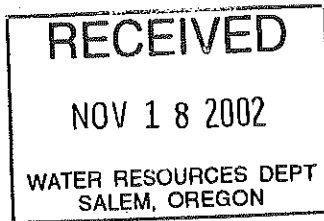
$\frac{204660}{100.5} = \frac{2036.4}{24} = 84.9 \text{ days}$

$\frac{1900 \text{ GPM Total}}{450 \text{ CFS}} = 4.2 \text{ CFS} \times 2 = 8.4 \text{ ac ft/day}$

$8.4 \text{ ac ft/day} \times 84.9 \text{ days} = \frac{716.9}{250 \text{ ac}}$

2.87 ac ft/ac

Richard Temple
225 32.5E 36
NWNW
NWNW
NWSW



W13
212
214

6765767920
309.36
309.52
Little Bear Creek Co.

Point of Diversion Characteristics

Right:	Permit: G 13539 *
Name:	ANDY ROOT

TRSQQ: 22.00S-32.50E-30-SWNE

County: Harney

Basin: Malheur Lake

WM District: 10

WM Region: E

Withdrawn Area:

WAB: RATTLESNAKE CR > NINEMILE SL - AT MOUTH (31200104)

Priority WAB:

Rule 4D:

Groundwater Restricted Area:

Scenic Water Way:

Division 33: STATEWIDE

Water Quality Limited: Yes

TRSQQ: 22.00S-32.50E-32-NWNE

County: Harney

Basin: Malheur Lake

WM District: 10

WM Region: E

Withdrawn Area:

WAB: RATTLESNAKE CR > NINEMILE SL - AT MOUTH (31200104)

Priority WAB:

Rule 4D:

Groundwater Restricted Area:

Scenic Water Way:

Division 33: STATEWIDE

Water Quality Limited:

TRSQQ: 22.00S-32.50E-33-NENW

County: Harney

Basin: Malheur Lake

WM District: 10

WM Region: E

Withdrawn Area:

WAB: RATTLESNAKE CR > NINEMILE SL - AT MOUTH (31200104)

Priority WAB:

Rule 4D:

Groundwater Restricted Area:

Scenic Water Way:
Division 33: STATEWIDE
Water Quality Limited:

TRSOO: 22.00S-32.50E-33-NESE

County: Harney
Basin: Malheur Lake
WM District: 10
WM Region: E
Withdrawn Area:
WAB: RATTLESNAKE CR > NINEMILE SL - AT MOUTH (31200104)
MALHEUR SL > MALHEUR L - AB NINEMILE SL (31200107)
Priority WAB:
Rule 4D:
Groundwater Restricted Area:
Scenic Water Way:
Division 33: STATEWIDE
Water Quality Limited:

TRSOO: 22.00S-32.50E-34-NESW

County: Harney
Basin: Malheur Lake
WM District: 10
WM Region: E
Withdrawn Area:
WAB: MALHEUR SL > MALHEUR L - AB NINEMILE SL (31200107)
Priority WAB:
Rule 4D:
Groundwater Restricted Area:
Scenic Water Way:
Division 33: STATEWIDE
Water Quality Limited:

TRSOO: 22.00S-32.50E-34-SENE

County: Harney
Basin: Malheur Lake
WM District: 10
WM Region: E
Withdrawn Area:
WAB: MALHEUR SL > MALHEUR L - AB NINEMILE SL (31200107)
Priority WAB:
Rule 4D:
Groundwater Restricted Area:
Scenic Water Way:
Division 33: STATEWIDE
Water Quality Limited:

TRSQQ: 22.00S-32.50E-34-SWNE

County: Harney

Basin: Malheur Lake

WM District: 10

WM Region: E

Withdrawn Area:

WAB: MALHEUR SL > MALHEUR L - AB NINEMILE SL (31200107)

Priority WAB:

Rule 4D:

Groundwater Restricted Area:

Scenic Water Way:

Division 33: STATEWIDE

Water Quality Limited:

C 141678

Completeness Checklist for Permit Extension of Time Application

Minimum completeness criteria for Extension of Time Applications are set forth in OAR 690-086-0020(3) for NON-Municipal or NON-Quasi-Municipal permits and in OAR 690-086-0070(3) for Municipal or Quasi-Municipal permits.

1. Pull the permit file. If a copy of the permit is not in the file, pull up an image of the permit in WRIS.

2. Is the permit to be extended Non-Cancelled according to WRIS and the permit file? _____
If the permit has been cancelled, the Extension Application cannot be accepted.

3. Is the extension applicant's name and mailing address supplied? _____
If yes, is the extension applicant a permit holder of record (i.e., permit either issued to them or assigned to them)? _____

If the extension applicant is **NOT** a permit holder of record, a "Request for Assignment" must be processed before the Extension Application can be accepted.

If an Assignment has **not** yet occurred, or if a concurrent "Request for Assignment" was **not** submitted along with the Extension Application, the Extension Application cannot be accepted.

4. Is the appropriate Extension of Time Application used? _____

If the wrong application form is used, the Extension Application cannot be accepted.

- If a Municipal or Quasi-Municipal permit, use: "Application for Extension of Time for Municipal and Quasi-Municipal Water Use Permits."
- If a NON-Municipal or NON-Quasi-Municipal permit, use: "Application for Extension of Time for a Water Right Permit (Non-Municipal / Non-Quasi-municipal Water Use)."

5. Are the requested date(s) for extension identified (Page 1)? 10/1/2018

- Check the permit to see if it includes a "B-Date" and/or a "C-Date."
"B-Date" = date by which construction of the water delivery system for the permit is to be completed.
"C-Date" = date by which full beneficial use of water under the permit is to be accomplished.

NOTE: For permits with both a "B-Date and a "C-Date," the applicant will likely request an extension of both dates (i.e., to complete construction of the water delivery/distribution system and to apply water to full beneficial use). Unless, of course, construction of the water delivery system is complete. In which case, the applicant would likely only request an extension of the "C-Date" (i.e., to apply water to full beneficial use).

For permits with only a "C-Date," the applicant will only be requesting an extension of the date in which to apply water to full beneficial use.

6. Is the Extension Application signed (with an original signature) by permit holder(s) of record or an authorized agent? _____
(If signed by agent, documentation from the permit holder(s) granting authorization to agent to sign on their behalf must be provided or already in the permit file.)

If **not** signed by a permit holder of record or authorized agent, the Extension Application cannot be accepted.

NOTE: If the permit covers land that has been subdivided and assigned to different, individual parties... we only need signatures of the permit holder(s) of record for the portion of the permit involved in the Extension of Time Application.

7. Are all questions on the application answered? _____
 (NOTE: Supporting documentation such as: copies of the permit, well log(s), annual water use reports, static water level measurement reports, evidence demonstrating construction/work/water use accomplished, etc. may be included.)

The tables below are informational only. No need to check off.

■ **For NON-Municipal or NON-Quasi-Municipal Permit Extension Applications:**

▪ Ques. #1 - Information provided on beginning of construction ("A" Date) under the permit.	▪ Ques. #5-C - Well location information provided <u>and</u> whether a permit amendment is necessary.
▪ Ques. #2 - Information provided on compliance with permit conditions.	▪ Ques. #6 - Information provided on number of acres irrigated, if applicable.
▪ Ques. #3 - Description provided of progress made in developing the permit.	▪ Ques. #7 - Description provided of remaining work left to be accomplished to perfect the permit.
▪ Ques. #4 - Monetary investment made in the project to date provided.	▪ Ques. #8 - Description provided of estimated cost to complete the project associated with the permit.
▪ Ques. #5-A - Max amount of water beneficially used to date for a SW permit indicated.	▪ Ques. #9 - Explanation provided of why the permit has not been fully developed/perfected.
▪ Ques. #5-B - Well construction information provided <u>and</u> max amount of water beneficially used to date for a GW permit indicated.	▪ Ques. #10 - Justification provided of why the requested time is necessary to complete project.

■ **For Municipal/Quasi-Municipal Permit Extension Applications:**

▪ Ques. #2 - For Quasi-Municipal permits only, information provided on beginning of construction ("A" Date) under the permit.	▪ Ques. #8 - Estimate provided of current peak water demand of the population served <u>and</u> the methodology used to make the estimate.
▪ Ques. #3 - For Municipal permits issued on or after June 29, 2005, information provided on beginning of construction ("A" Date).	▪ Ques. #9 - Explanation provided of why the permit has not been fully developed/perfected.
▪ Ques. #4 - Description provided of progress made in developing the permit <u>and</u> financial expenditures made in the project to date.	▪ Ques. #10-A - Estimate provided of demand projection for the permit, the methodology used to make the estimate <u>and</u> anticipated date for full beneficial use of the permit.
▪ Ques. #5-A & #5-B - Information provided on compliance (or non-compliance) with permit conditions.	▪ Ques. #10-B - For extension requests greater than 50 years, documentation provided that the demand projection is consistent with the lands and uses proposed to be served by the permit holder.
▪ Ques. #6-A - Max amount of water beneficially used to date for a SW permit indicated.	▪ Ques. #11 - Estimate of costs to complete the project and a summary of future schedule to complete construction / perfect the water right.
▪ Ques. #6-B - Well construction information provided <u>and</u> max amount of water beneficially used to date for a GW permit indicated.	▪ Ques. #12 - Justification provided of why the requested time is necessary to complete project and/or apply water to full beneficial use.
▪ Ques. #6-C - Well location information provided <u>and</u> whether a permit amendment is necessary.	▪ Ques. #14 - A copy of any agreements regarding use of the undeveloped portion of the permit and maintaining the persistence of fish, if applicable.
▪ Ques. #7 - Estimate provided of current population served under the permit <u>and</u> the methodology used to make the estimate.	▪ Attachment A - A tabular inventory of the water supplier's water rights and any other water use authorizations.

8. Has the \$500 fee been paid? _____
 (As of August 29, 2012, the Extension of Time fee is \$500.)

If the fee has NOT been paid, the application cannot be accepted.

NOTE: If the fee is the only item missing, contact the applicant to see if they can submit the fee with the next few days. If the applicant commits to submitting the fee within a certain timeframe, hold the Extension Application. If the fee does not arrive within that timeframe, return the Extension Application to the applicant.

9. If after completing this checklist, it is not clear whether the application can be accepted, please route both the money slip and Extension Application to **Joan Smith**. She will either: 1) accept the application; 2) return the application; or 3) prepare a deficiency letter.

Reviewed by: [Signature]

Date: 3/26/13

Completion Checklist for CWRE Claims of Beneficial Use

Application # G-14678



Date Received 12/5/2011
CWRE Name Scott Montgomery Claim Logged yes
File Marked yes
Oversized Map # 0636
Read the file and attach a copy of the permit or transfer final order. _____

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))
- CWRE stamp and signature (OAR 690-014 & 310-0050)
- Appropriate scale (1" = 1320', 1" = 400', or the original full-size scale of the county assessor map) (014 & 310)
- Township, range, section, and tax lot numbers (OAR 690-310-0050(4))
- Source illustrated if surface water (OAR 690-014-0170(3))
- Point(s) of diversion or appropriation (illustrated) (OAR 690-014(4) & 690-310-0050)
- Point(s) of diversion or appropriation (coordinates) (OAR 690-014(4) & 690-310-0050)
- Conveyance structures illustrated (pump, pipelines, ditches, etc.) (OAR 690-310-0050)
- Description of the location, in relation to the point of diversion or appropriation, of any fish screens, by-pass devices, and measuring devices required (OAR 690-014(4))
- Place of use (1/4 1/4, or projected 1/4 1/4 lines within DLCs, or Gov Lots; if irrigation, # of acres in each subdivision; if for domestic or human consumption, location of dwelling or spigot) (OAR 690-310-0050, 690-014, 690-380-6010)

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)
- Tax lot information (OAR 690-014)
- Description of conveyances system (from POD to POU) (OAR 690-014-0100)
- Source(s) of water (OAR 690-014-0100)
- Point of diversion/appropriation location (OAR 690-014-0100)
- Use, period of use, and rate for use (OAR 690-014-0100)
- Place of use location (OAR 690-014-0100)
- Type of use (OAR 690-014-0100)
- Extent of use (OAR 690-014-0100)
- Rate and Duty (OAR 690-014-0100)
- Diversion rate for each use (OAR 690-014-0100)
- Diversion works description (pump make, serial model, capacity, and description) (OAR 690-014-0100)
- System capacity (OAR 690-014-0100)
 - Calculated capacity of system (required)
 - Measured amount of use (optional)
- Permit/Transfer Final Order Conditions (OAR 690-014-0100)
 - Time limits
 - Initial water level measurements
 - Annual static water level measurements
 - Measurement, recording, and reporting
 - Meter/measuring device
 - Water use reporting
 - Fish screening and/or by-pass
 - Pump test (ground water)
 - Other conditions
- CWRE stamp and signature (OAR 690-014-0100)
- Signature(s) of permittee of transfer holder (OAR 690-014-0100)

DEF = deficient
N/A = Not Applicable

Certificate Issuance Processing Checklist

- _____ Map and COBU reviewed
- _____ Conflict check (include copy of plat card printout) Any Conflicts? _____
- _____ Check for ownership

Staff Recommendations:

- _____ 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: _____
- _____ Proof to 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:

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 \$150 must accompany this form to be accepted for permits
with a priority date of July 9, 1987, or later. (ORS 536.050(1))**

SECTION 1 GENERAL INFORMATION

1. File Information

APPLICATION # (G, R, S OR T) G-14678	PERMIT # (IF APPLICABLE) G-13539	PERMIT AMENDMENT # (IF APPLICABLE)
------------------------------------------------	--------------------------------------------	------------------------------------

2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME Andy Root		PHONE NO. 541-493-3645	ADDITIONAL CONTACT No.	
ADDRESS HC 73 174 Harney Rd				
CITY Burns	STATE OR	ZIP 97720	E-MAIL	

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. **The COBU must be signed by the permit or transfer holder of record.**

3. Is the Property Owner the permit or transfer holder of record? YES
Are there additional permit or transfer holders of record? NO

4. Date of Site Inspection: **September 14, 2011**

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Andy Root	Sept 14, 2011	Owner/Permit Holder

6. County: **Harney**

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)):

**Mark "NA" if there are no owners of property not included in this claim

OWNER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

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Are there additional Owners of Record? DEC 05 2011 NO

SECTION 2

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SYSTEM DESCRIPTION

DEC 05 2011

A. Points of Diversion/Appropriation

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SALEM, OREGON

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 HARN 1879	L35535	
Well 2 HARN 1912	L35536	
Well 3 HARN 50457	L35537	
Well 4 HARN 50241	L16814	
Well 5 HARN 50668	L35538	
Well 6 HARN 50477	L28438	
Well 7 HARN 50890	L51625	
Well 8 HARN 50362	L21297	
Well 10 HARN 51682	L102504	

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	Rattlesnake Creek Basin	
Well 2	Rattlesnake Creek Basin	
Well 3	Rattlesnake Creek Basin	
Well 4	Rattlesnake Creek Basin	
Well 5	Rattlesnake Creek Basin	
Well 6	Rattlesnake Creek Basin	
Well 7	Rattlesnake Creek Basin	
Well 8	Rattlesnake Creek Basin	
Well 10	Rattlesnake Creek Basin	

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

POD/POA NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE GAT = GRASS, ALFALFA & TRITICAL	SEASON OR MONTHS WHEN WATER WAS USED	RATE OR VOLUME FOR USE (CFS, GPM, OR AF)
Well 1	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	2.7 cfs
Well 2	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	0.8 cfs
Well 3	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	2.7 cfs
Well 4	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	2.6 cfs
Well 5	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	0.4 cfs
Well 6	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	1.9 cfs
Well 7	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	0.9 cfs
Well 8	Irrigation	GAT	Apr 1 – Sep 30	6.2 cfs
Well 10	Irrigation	Grass & Alfalfa	Apr 1 – Sep 30	2.8 cfs
Total Quantity of Water Used				15.52 cfs max

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 pumped from nine wells into an interconnected irrigation system with shutoff valves installed to isolate flow to the fields.

SECTION 2

SYSTEM DESCRIPTION (B through H)

Are there multiple PODs or POAs?

YES

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

Well 1 HARN 1879

B. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	Q-Q	GLO T	DL C	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	33	NE NE			Irr	31.9	
22S	32.5E	WM	33	NW NE			Irr	31.9	
22S	32.5E	WM	33	SW NE			Irr	28.8	
22S	32.5E	WM	33	SE NE			Irr	28.6	
22S	32.5E	WM	33	NE NW			Irr	31.3	
22S	32.5E	WM	33	NW NW			Irr	31.4	
22S	32.5E	WM	33	SW NW			Irr	28.5	
22S	32.5E	WM	33	SE NW			Irr	28.5	
22S	32.5E	WM	33	NE SE			Irr	32.0	
22S	32.5E	WM	33	NW SE			Irr	33.0	
22S	32.5E	WM	33	SW SE			Irr	28.8	
22S	32.5E	WM	33	SE SE			Irr	26.2	
Total Acres Irrigated								360.9	

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

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
National		N260 10	Turbine	12"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	125

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)
125	30	460 ft	0 ft	1.6

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{s}/\text{hp} \times \text{hp}}{\text{Total Head,ft}} = \frac{(7.04)(125)}{(536.2)} = 1.6 \text{ cfs}$$

Total head = 460 + 0 + 76.2 = 536.2 ft

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)

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
8 inch	4252	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
#4 Valley 6000	1287 ft	30	800	1.78 cfs
#5 Valley 6000	1291 ft	30	800	1.78 cfs
#6 Zimmatic	1297 ft	30	800	1.78 cfs

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system, and can be isolated by shutting valves.

D. Groundwater Source Information (Well and Sump)

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SALEM, OREGON

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:

2" pipe capped out of North side of casing

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
NA						

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.

5. Is the appropriation from a dug well (sump)? NO

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) NO

F. 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

G. 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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? NO

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

Well 2 HARN 1912

B. Place of Use

1. Is the right for municipal use? NO

NOTE: AREA OF USE IS THE SAME AS WELL 1

C. Diversion and Delivery System Information

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

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WATER RESOURCES DEPT
SALEM, OREGON

1. Is a pump used?

YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Johnston		46848	Turbine	12"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
General Electric	50

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)
50	30	350 ft	0 ft	0.8

5. Provide pump calculations:

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$$Q = \frac{7.04 \text{ ft}^3/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(50)}{426.2} = 0.8 \text{ cfs}$$

$$\text{Total Head} = 350 + 0 + 76.2 = 426.2$$

DEC 05 2011
WATER RESOURCES DEPT
SALEM, OREGON

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8 inch	4325 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information *NOTE: SAME AS WELL 1*

11. Pivot Information *NOTE: SAME AS WELL 1*

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. 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:

2" pipe out of South side of casing not capped

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
NA						

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.

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

NO

E. Storage

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

NO

F. 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

G. 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

H. Reservoir

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

NO

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

Well 3 HARN 50457

B. Place of Use

1. Is the right for municipal use?

NOTE: AREA OF USE IS THE SAME AS WELL 1

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NO

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
			Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
	150

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)
150	30	300 ft	0 ft	2.8

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(150)}{(376.2)} = 2.8 \text{ cfs}$$

Total Head = 300 + 0 + 76.2 = 376.2 ft

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (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
8 inch	6531 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information *NOTE: SAME AS WELL 1*

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Pivot Information *NOTE: SAME AS WELL 1*

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. 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:

1" bolt out of pump base

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 DATE OF RE-ENTRY	WHETHER WELL WAS RE-ENTRIED	WELL CATEGORY
NA						

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.

5. Is the appropriation from a dug well (sump)? NO

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) NO

F. 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

G. 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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? NO

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

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Well 4 HARN 50241

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B. Place of Use:

1. Is the right for municipal use? NO

TWP	RNG	MER	SEC	Q-Q	GL T	DL C	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	34	NE NW			Irr	32.2	
22S	32.5E	WM	34	NW NW			Irr	32.2	
22S	32.5E	WM	34	SW NW			Irr	31.2	
22S	32.5E	WM	34	SE NW			Irr	31.2	
22S	32.5E	WM	34	NE SW			Irr	32.3	
22S	32.5E	WM	34	NW SW			Irr	33.2	
22S	32.5E	WM	34	SW SW			Irr	30.0	
22S	32.5E	WM	34	SE SW			Irr	30.0	
Total Acres Irrigated								252.3	

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
American Turbine	HH30		Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	100

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)
100	30	285 ft	0 ft	1.9

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft}^4/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(100)}{361.2} = 1.9 \text{ cfs}$
 Total Head = 285 + 0 + 76.2 = 361.2 ft

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)

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
8 inch	1354 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
NA					

11. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
#7 Valley 8000	1323 ft	30	600	1.3
#8 Valley 8000	1321 ft	30	550	1.2

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. Groundwater Source Information (Well and Sump)

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

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

1-1/4" uncapped pipe out of South side of casing

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
NA						

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.

5. Is the appropriation from a dug well (sump)? NO

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) NO

F. 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

G. 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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? NO

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

Well 5 HARN 50668

B. Place of Use:

1. Is the right for municipal use? NO

TWP	RNG	MER	SEC	Q-Q	GLO T	DL C	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	34	NE NE			Irr	29.2	
22S	32.5E	WM	34	NW NE			Irr	30.8	
22S	32.5E	WM	34	SW NE			Irr	30.9	
22S	32.5E	WM	34	SE NE			Irr	28.7	
Total Acres Irrigated								119.6	

C. Diversion and Delivery System Information

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Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
			Submersible	12"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
	25

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)
25	40	300 ft	0 ft	0.4

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(25)}{401.6} = 0.4 \text{ cfs}$$

$$\text{Total Head} = 300 + 0 + 101.6 = 401.6 \text{ ft}$$

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SALEM, OREGON

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)

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
8 inch	1450 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
NA					

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
#9 Pringle	1288 ft	30	850	1.9

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. 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:

Remove well head

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
NA						

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.

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

NO

E. Storage

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

NO

F. 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

G. 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

H. Reservoir

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

NO

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

Well 6 HARN 50422

B. Place of Use NOTE: AREA OF USE IS THE SAME AS WELL 5

1. Is the right for municipal use?

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NO

C. Diversion and Delivery System Information

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SALEM, OREGON

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
Aurora Verti-Line	10 RH	V79-72370	Turbine	12"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	75

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)
75	30	300 ft	0 ft	1.4

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(75)}{376.2} = 1.4 \text{ cfs}$$

$$\text{Total Head} = 300 + 0 + 76.2 = 376.2$$

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)

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
8 inch	121 lf	Steel	Above Ground

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information *NOTE: SAME AS WELL 5*

11. Pivot Information *NOTE: SAME AS WELL 5*

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. Groundwater Source Information (Well and Sump)

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

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WR

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

3/4" capped pipe out of South side of casing

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
NA						

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.

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

NO

E. Storage

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

NO

F. 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

G. 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

H. Reservoir

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

NO

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

Well 7 HARN 50890

B. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	Q-Q	GLO T	DL C	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	29	SW SE			Irr	27.3	
22S	32.5E	WM	29	SE SE			Irr	29.8	
Total Acres Irrigated								57.1	

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Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
			SUBMERSIBLE	14"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
	25

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)
25	30	350 ft.	0 ft.	0.5

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(25)}{376.2} = 0.5 \text{ cfs}$$

$$\text{Total Head} = 300 + 0 + 76.2 = 376.2$$

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SALEM, OREGON

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)

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
6 inch	2195 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
NA					

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
#16	625 ft	40	400 gpm	0.9 cfs
#17	630 ft	40	400 gpm	0.9 cfs

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. 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:

Remove well head

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
NA						

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.

5. Is the appropriation from a dug well (sump)? NO

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) NO

F. 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

G. 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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? NO

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

Well 8 HARN 50362

B. Place of Use

1. Is the right for municipal use? NO

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TWP	RNG	MER	SEC	Q-Q	GLO T	DL C	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
22S	32.5E	WM	29	NE SW			Irr	20.4	
22S	32.5E	WM	29	NW SW			Irr	17.3	
22S	32.5E	WM	29	SW SW			Irr	38.4	
22S	32.5E	WM	29	SE SW			Irr	39.9	
22S	32.5E	WM	29	SW SE			Irr	3.2	
22S	32.5E	WM	30	SW NE			Irr	1.1	
22S	32.5E	WM	30	SE NE			Irr	11.6	
22S	32.5E	WM	30	NE SE			Irr	36.1	
22S	32.5E	WM	30	NW SE			Irr	1.5	
22S	32.5E	WM	30	SW SE			Irr	0.1	
22S	32.5E	WM	30	SE SE			Irr	3.4	
22S	32.5E	WM	32	NE NE			Irr	7.2	
22S	32.5E	WM	32	NW NE			Irr	36.8	
22S	32.5E	WM	32	SW NE			Irr	7.8	31.5
22S	32.5E	WM	32	SE NE			Irr	8.4	
22S	32.5E	WM	32	NE NW			Irr	7.6	24.0
22S	32.5E	WM	32	NW NW			Irr		11.6
22S	32.5E	WM	32	SE NW			Irr		18.0
22S	32.5E	WM	32	NE SW			Irr	0.8	
22S	32.5E	WM	32	SE SW			Irr	0.3	
22S	32.5E	WM	32	NE SE			Irr	31.3	
22S	32.5E	WM	32	NW SE			Irr	35.4	
22S	32.5E	WM	32	SW SE			Irr	29.9	
22S	32.5E	WM	32	SE SE			Irr	27.7	
Total Acres Irrigated								366.2	85.1

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SALEM, OREGON

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
National		4260 10	Turbine	16"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
Marathon Electric	150

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 GFS)
150	30	400 ft	25 ft	2.1

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(150)}{501.2} = 2.1 \text{ cfs}$$

Total Head = 400 + 25 + 76.2 = 501.2 ft

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)

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
12 inch	3390 lf	Steel	Buried
6 inch	4283 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
NA					

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
#1 Valley 8000	1320 ft	30	800	1.78
#2 Valley 8000	1329 ft	30	800	1.78
#15 Valley 8000	1427 ft	30	800	1.78

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves. Well 8 supplies the meadow flood irrigation through 6-inch pipe and risers.

D. 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:

1" bolt out of NE side of casing

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SALEM, OREGON

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
NA						

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.

5. Is the appropriation from a dug well (sump)? NO

E. Storage

1. Does the distribution system include in-system storage (i.e. storage tank, bulge in system / reservoir) NO

F. 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

G. 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

H. Reservoir

1. Does the claim involve a reservoir modified through a transfer? NO

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

Well 10 HARN 51682

B. Place of Use *NOTE: AREA OF USE IS THE SAME AS WELL 1*

1. Is the right for municipal use? NO

C. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and 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
Western			Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
Westinghouse Life-Line	150

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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)
150	30	300 ft	0 ft	2.8

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{s}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(150)}{(376.2)} = 2.8 \text{ cfs}$$

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Total Head = 300 + 0 + 76.2 = 376.2 ft

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)

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
8 inch	5068 lf	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information *NOTE: SAME AS WELL 1*

Reminder: For sprinkler output determination use the reference information at the end of this document.

11. Pivot Information *NOTE: SAME AS WELL 1*

12. Additional notes or comments related to the system:

All wells are interconnected to the same conveyance system and can be isolated by shutting valves.

D. 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:

2" pipe capped out of east side of casing

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
NA						

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.

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

NO

E. Storage

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

NO

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F. 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

G. 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

H. Reservoir

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

NO

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

**SECTION 3
CONDITIONS**

Please pay special attention to this section. 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 is to be completed by. 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:

	DATE FROM PERMIT OR TRANSFER	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	Nov 12, 1998		
BEGIN CONSTRUCTION (A)	Sep 30, 1999	1987	Construction of the entire irrigation system began before A-Date
COMPLETE CONSTRUCTION (B)	Not mentioned	NA	NA
COMPLETE APPLICATION OF WATER (C)	Oct 1, 2002	2000	Construction completed prior to C-Date

* 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:

VOLUME	PAGE	DATE EXTENDED TO
		Oct 1, 2011

4. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? NO

5. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? NO

6. Pump Test (Required for most ground water permits prior to issuance of a certificate)

a. Did the permit require the submittal of a pump test? YES

b. Has the pump test been previously submitted to the Department? NO

c. Is the pump test attached to this claim? NO

d. Has the pump test been approved by the Department? NO

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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? NO

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED

d. If a meter has not been installed, has a suitable measuring device been installed and approved by the Department? YES

e. If "YES", provide a copy of the letter approving the device, if available. If the letter is not available provide the name and title of the Water Resources Department employee approving the measuring device, and the approximate date of the approval:

NAME	TITLE	APPROXIMATE DATE
Kristopher Byrd	Well Construction Specialist	3/07/2007

f. Measurement Device Description

DEVICE DESCRIPTION	CONDITION (WORKING OR NOT)	DATE INSTALLED
Power metering to pumps	NA	NA

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 (PAPER OR ELECTRONIC)	WATER USER REPORTING ID
Paper	28096

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 diversion? NO

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? NO

11. Other conditions required by permit, permit amendment final order, extension final order, or transfer final order

- a. Were there special well construction standards? NO
- b. Was submittal of a ground water monitoring plan required? YES
- 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):

A ground water monitoring plan was submitted to the department 2/24/2004 by Mr. Root and approved 2/25/2004 by Michael Zwart.

SECTION 4

VARIATIONS

Include a description of variations from the permit, permit amendment final order, extension final order, or transfer final order. (i.e. "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.")

Well 7 was abandoned and replaced with the submersible well named #7. The water user changed area of irrigation to pivots 16 & 17 in the S 1/2 of SE 1/4, Section 29. The permit allowed 1421.1 acres primary irrigation and 166.8 acres supplemental irrigation. The water user is only irrigating 1156.1 acres primary and 85.1 acres supplemental irrigation.

SECTION 5

ATTACHMENTS

If you are attaching any documents to this report, provide a list:

ATTACHMENT NAME	DESCRIPTION
Well logs	HARN 1879, HARN 1912, HARN 50457, HARN 50241, HARN 50668, HARN 51682, HARN 50890, HARN 50422, & HARN 50362
Aerial imagery	USDA FSA 2011 Aerial imagery

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SECTION 6 CLAIM SUMMARY

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED*	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
Well 1	3.8 cfs	1.6 cfs	800 gpm	IRR	376.8**	360.9**
Well 2	1.1 cfs	0.8 cfs		IRR	376.8**	360.9**
Well 3	2.8 cfs		800 gpm	IRR	376.8**	360.9**
Well 4	2.86 cfs	1.9 cfs	1150 gpm	IRR	251.2♦	252.3 ***
Well 5	1.6 cfs	0.4 cfs		IRR	125.6♦	119.6♦
Well 6	1.92 cfs	1.22 cfs	850 gpm	IRR	125.6♦	119.6♦
Well 7				IRR	0 ♠	57.1 ♠
Well 8	4.0 cfs	2.1 cfs	2800 gpm	IRR	667.5(P) ♥ 166.8(S) ♥	366.2(P)♥ 85.1 (S) ♥
Well 10		2.8 cfs		IRR	376.8**	360.9**

*FLOW REPORTED IN 2009-2010 WATER USE REPORT

**AREA COMBINED FROM PIVOTS 4, 5, & 6

*** AREA COMBINED FROM PIVOTS 7 & 8

♦ AREA COMBINED FROM PIVOT 9

♥ AREA COMBINED FROM PIVOTS 1,2,15, & MEADOW

♠ AREA COMBINED FROM PIVOTS 16 & 17

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.

Wells, pumps, sprinklers, piping & risers were tied by GPS rapid static methods and tied to approximate GLO section lines. Resulting data was compared to recent aerial imagery for accuracy.

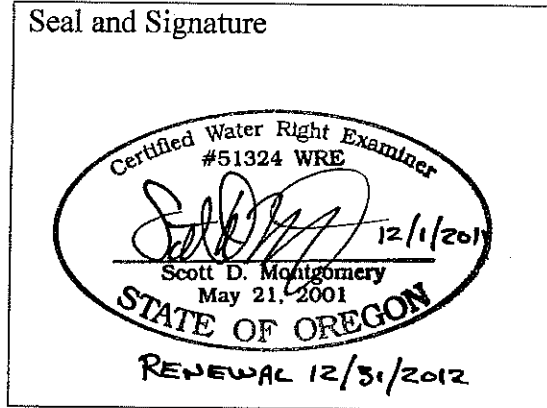
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**SECTION 8
SIGNATURES**

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 Scott D. Montgomery		PHONE NO. 541-548-5833	ADDITIONAL CONTACT NO. 541-420-0401
ADDRESS PO Box 767			
CITY Terrebonne	STATE OR	ZIP 97760	E-MAIL scott@apeands.com

Permit or Transfer Holder's of Record Signature or Acknowledgement

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	DATE
	Andy Root, Owner/Permit Holder	11-30-11

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SALEM, OREGON

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Harm
50362

WELL 8

STATE OF OREGON
WATER SUPPLY WELL REPORT NOV 23 1998
(as required by ORS 537.763)

WELL I.D. # 1.21297
START CARD # 114679

Instructions for completing this report are on the back of this form.

(1) OWNER: SALEM, OREGON
Well Number _____

Name Andy Root
Address PO Box 3
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 40 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL					
Diameter	From To	Material	From To	Backs or periods			
16	+1 150	cement	0 37	8 yards			
14	150 405						

How was seal placed: Method A B C D E
 Other
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 16	+1 80	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Linor:			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From To	Slot size	Number	Diameter	Tube/pipe size	Casing	Linor
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gpm/min	Drawdown	Drill stem at	Flowing Artesian Time
3600	77	120	1 hr.

Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM
Section 32 NE 1/4 NE 1/4
Tax Lot 2000 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hwy 20 E

(10) STATIC WATER LEVEL:
_____ 43 ft. below land surface. Date 10-19-98
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 32

From	To	Estimated Flow Rate	SWL
32	65	100	32
185	405	3600	43

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
clay loom topsoil	0	1	
clay brn	1	20	
sand clay brn	20	32	
clay grey	32	60	32
clay grey (caving)	60	65	32
clay grey	65	105	
clay green	105	185	
claystone green	185	190	43
clay green	190	196	
pumice/sand	196	215	43
clay green	215	226	
pumice grey	226	237	
clay green	237	244	
claystone green	244	250	43
pumice grey	250	262	43
clay green/claystone	262	276	43
clay green sticky	276	292	
claystone green	292	314	43
sandstone red no cuttings	314	365	43
sandstone clay red	365	405	43

Date started 9-25-98 Completed 10-19-98
(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 the best of my knowledge and belief.
WWC Number _____
Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.
WWC Number 1424
Signed Timothy K. Riley Date 11-18-98

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WATER RESOURCES DEPT

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WELL 4

harn
50241

DEC 15 1997

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

WATER RESOURCES DEPT. WELL ID. # L16814
SALEM, OREGON START CARD # 098474

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name Andy Root
Address PO Box 3
City BURNS State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 450 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
18	0	19	bentonite	0	18	20 sacks

How was seal placed: Method A B C D E
 Other poured dry and tamped
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	14	+1	120	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations		Method		Material	
From	To	Slot size	Number	Diameter	Tube/pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gpm/min 100 Drawdown 2 Drill stem at _____ Time 1 hr.

Temperature of water 58 Depth Artesian Flow Found _____
Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? No Too little
 Salty Murky Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM
Section 34 NE 1/4 SW 1/4
Tax Lot 2200 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hwy 20 W

(10) STATIC WATER LEVEL:
_____ 25 ft. below land surface. Date 12-3-97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 160

From	To	Estimated Flow Rate	SWL
160	410	1000	25

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
sandy loam topsoil	0	1	
clay sand coarse	1	7	
clay brn hard	7	20	
clay brn soft	20	32	
clay grey	32	70	
clay green gravel fine	70	160	
pumice clay brn	160	175	
clay green	175	220	
conglomerate brn	220	243	
clay pink	243	250	
conglomerate brn	250	275	
pumice hard	275	289	
sandstone brn	289	360	
rock brn	360	378	
green conglomerate	378	410	
clay green pumice	410	430	
clay green	430	450	

Date started 11-25-97 Completed 12-3-97
(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 the best of my knowledge and belief.
WVC Number _____
Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.
WVC Number 1424
Signed Timothy K. Riley Date 12-5-97

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SALEM, OREGON

WATER WELL REPORT
STATE OF OREGON

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50668

FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 201 3412/39
State Permit No. 0
L35538

1) OWNER:

Name AMY ROOT
Address HC 73, 174 HARNEY, RD.
City EMPAIS State OR 97130

2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air Driven Domestic Industrial Municipal
Rotary Mud Dug Irrigation Cist Well Other
Cable Bored Thermal Withdrawal Rejection

(4) PROPOSED USE (check):

(5) CASING INSTALLED: Steel Plastic
Threaded Welded
12" Diam. from 7' to 159' ft. Gauge 250

LINER INSTALLED:
"Diam. from ft. to ft. Gauge

(6) PERFORATIONS: Perforated? Yes No

Type of perforator used

Size of perforations in. by in.

..... perforations from ft. to ft.

..... perforations from ft. to ft.

..... 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.

(8) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes No. If yes, by whom? OWNER

800 gal./min. with 180 ft. drawdown after 10 hrs.

Air test gal./min. with drill stem at ft. hrs.

Baller test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Structure of water Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes No

Well seal—Material used Cement

Well sealed from land surface to 2.0 ft.

Diameter of well bore to bottom of seal 15 in.

Diameter of well bore below seal 12 in.

Number of sacks of cement used in well seal 34 sacks

How was cement grout placed? Grout pumped to top of casing with grout pipe

Was pump installed? yes Type Submersible HP 75 Depth 140 ft.

Was a drive shoe used? Yes No Flange no Size: location ft.

Did any strata contain unusable water? Yes No

Type of Water? depth of strata

Method of sealing strata off

Was well gravel packed? Yes No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Harney Driller's well number

N-W 1/4 SE 1/4 Section 34 T. 22 S. R. 32 E W.M.

Tax Lot # 24-00-2500 Lot Blk Subdivision

Address at well location: Cow Cr Road

3/4 mile north of Highway 20

(11) WATER LEVEL: Completed well.

Depth at which water was first found 28 ft.

Static level 28 ft. below land surface. Date 3-28-91

Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing 12"

Depth drilled 250 750 ft. Depth of completed well 750 ft.

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
Top Soil	0	2	
Gray Clay	2	46	29
Sand Stone	46	154	
Green Clay	154	491	
Brown Clay	491	537	
Green Clay	537	691	
Blue Clay	691	736	
Small GRAVEL with sand	736	742	29
Green Clay	742	750	29

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Work started 2-20-91 Completed 3-28-91

Date well drilling machine moved off of well 3-29-91

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.
(Signed) Date 19.....
(Drilling Machine Operator)

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 Lamy Root
(Partner, firm or corporation) (Type or print)

Address

(Signed) Lamy Root
(Water Well Contractor)

Contractor's License No. 731 Date 3-28 19 91

NOTICE TO WATER WELL CONTRACTOR

WATER RESOURCES DEPARTMENT,
SALEM, OREGON 97310

SP 12055-600

RENAME #5

HARN 51682

HARN 51682

STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765 & OAR 690-205-0210)

12-22-2009

WELL LABEL # L 102504

START CARD # 1008916

WELL #10

(1) LAND OWNER

Owner Well I.D. Twin Sheds
First Name Andy Last Name Root
Company Rattlesnake Ranch
Address 524 N Hwy 20
City Bums State or Zip 97720

(2) TYPE OF WORK

(3) DRILL METHOD

(4) PROPOSED USE

(5) BORE HOLE CONSTRUCTION

Table with columns: Dia, From, To, Material, SEAL, Amt, lbs. Includes data for Bentonite seal.

How was seal placed: Method A B C D E
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size
Explosives used: Yes Type Amount

(6) CASING/LINER table with columns: Casing, Liner, Dia, From, To, Gauge, Stl, Plst, Wld, Thrd.

Shoe Inside Outside Other Location of shoe(s)
Temp casing Yes Dia From To

(7) PERFORATIONS/SCREENS

Table with columns: Perfor/S, Casing/Screen, Dia, From, To, Slot width, Slot length, # of slots, Tele/pipe size.

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

Table for well tests with columns: Pump/Bailer/Air/Flowing Artesian, Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr).

Temperature 58 °F Lab analysis Yes By
Water quality concerns? Yes (describe below)
From To Description Amount Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 22.00 S N/S Range 32.50 E E/W WM
Sec 35 SW 1/4 of the NE 1/4 Tax Lot 2200
Tax Map Number Lot
Lat 0 0 or DMS or DD
Long 0 0 or DMS or DD

72163 Rattlesnake Road

(10) STATIC WATER LEVEL

Table for static water level with columns: Existing Well / Predeepening, Date, SWL (psi), SWL (ft).

WATER BEARING ZONES table with columns: SWL Date, From, To, Est Flow, SWL (psi), SWL (ft).

(11) WELL LOG

Table for well log with columns: Material, From, To. Includes 'RECEIVED' stamp and 'FEB 08 2010' date.

Date Started 12-02-2009 Completed 12-04-2009

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards.

License Number Date
Electronically Filed
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above.

License Number 1424 Date 12-22-2009
Electronically Filed
Signed TIMOTHY K RILEY (E-filed)
Contact Info (optional)

RECEIVED

DEC 05 2011

WATER RESOURCES DEPT

RECEIVED HARN 50890 HARN

STATE OF OREGON
WATER SUPPLY WELL REPORT APR 19 2004
(as required by ORS 537.763)

WELL I.D. # L 51625
START CARD # W 129278

Instructions for completing this report WATER RESOURCES DEPT.

(1) LAND OWNER SALEM, OREGON
Name Andy Root
Address P.O. Box 3
City Burns State Or Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 400 ft.
Explosives used Yes No Type _____ Amount _____

HOLE		SEAL			
Diameter	From	To	Material	From	To
18	0	30	Cement	0	30
14	30	400	4 bent	0	30

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14	72	78	2108		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500	300	400	1 hr.

Temperature of water 68 Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22 S N or Range 32 1/4 E or W. WM.
Section 32 NE 1/4 NE 1/4
Tax Lot 2000 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Hy 20 E
Burns, Or. 97720

(10) STATIC WATER LEVEL:
100 ft. below land surface. Date 7-1-02
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL
330	370	500 +	100

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Top Soil	0	7	-
Grey Clay	7	17	-
Sand	17	26	-
Brown Green			
Grey Blue			
Clay Stone	26	330	100
Dark Grey	330	390	
Clay w. Lenses			100
+ Voids	390	400	100
Blue Clay	390	400	100

Date started 6-28-02 Completed 7-1-02
(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 the best of my knowledge and belief.
WVC Number _____
Signed _____ Date _____
(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 standards. This report is true to the best of my knowledge and belief.
WVC Number 1521
Signed Donald B. Root Date 7-1-02

ORIGINAL - WATER RESOURCES DEPARTMENT FIRST COPY - CONSTRUCTOR SECOND COPY - CUSTOMER

RECEIVED

DEC 05 2011

RENAMED WELL 7

WATER RESOURCES DEPT
SALEM OREGON

WELL 65

RECEIVED

HARN
50422

MAY 14 1999

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

WATER RESOURCES DEPT.
SALEM, OREGON

WELL ID.# L 28438
START CARD# 114670

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number _____
Name Andy Root
Address PO Box 946
City Burns State OR Zip 97720

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 400
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds	yards
Diameter	From	To	Material	From	To		
18	0	18	cement	0	18	1 1/2	
12	18	400					

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12	+1	80	.25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

From	To	Slot size	Number	Diameter	Material	Tele/pipe size	Casing	Liner
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing
Yield gal/min 500 Drawdown 165 Drill stem at 185 Time 6 hr
Temperature of water 58 Depth Artesian Flow Found _____

Was a water analysis done? No Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32 1/2 E E or W. WM.
Section 34 NW 1/4 NE 1/4
Tax Lot 2400 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Cow Creek Rd

(10) STATIC WATER LEVEL:
18 ft. below land surface. Date 4-30-99
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 35

From	To	Estimated Flow Rate	SWL
112	298	400	18
303	330	100	18

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
topsoil clay loam	0	2	
clay brn	2	30	
clay grey	30	35	
sand clay (caving)	35	41	18
clay grey	41	53	
sand (caving)	53	70	18
clay green	70	112	
conglomerate brn	112	298	18
clay grey	298	303	
pumice grey	303	330	18
clay green	330	400	18

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DEC 05 2011

WATER RESOURCES DEPT
SALEM, OREGON

Date started 4-20-99 Completed 4-30-99

(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 the best of my knowledge and belief.
WVC Number _____
Signed _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.
WVC Number 1424
Signed _____ Date 5-11-99

STATE OF OREGON
WATER WELL REPORT
(as required by ORS 337.765)

HARN 50457
FEB - 2 1998

(START CARD) # 67723

WATER RESOURCES DEPT.
SALEM, OREGON

(1) OWNER:

Name ANDY ROOT
Address U.S. 73, 174 HARNEY RD.
City RUINS State OR Zip 97720

(2) TYPE OF WORK

New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:

Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 425 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Sacks or pounds
Diameter	From	To	Material	From	To	
3.0"	0	2.5'	CEMENT	0	0.25'	32

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel				Threaded
				Plastic	Welded	Welded	Threaded	
Casing: 14"	0	160'	250	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tube/pipe size	Casing	Liner
NONE							

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

Yield gal/min	Drawdown	Drill stem at	Flowing Artesian Time
1400	160'		1 hr.

Temperature of water 56 Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Top little
 Salty Muddy Odor Colored Other _____
Depth of strain: _____

(9) LOCATION OF WELL, by legal description:

County HARNEY Latitude _____ Longitude _____
Township 22 N or S Range 32 1/2 E or W WM.
Section 34 SE 1/4 SE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:

30 ft. below land surface. Date 7-28-95
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found: 30

From	To	Estimated Flow Rate	SWL
30	31	5 GPM	30
91	92	40 GPM	20
397	409	1000 GPM	30

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Top soil - SANDY	0	5'	
GRAY CLAY	5'	73'	30
BLUE CLAY	73'	91'	30
SAND STONE	91'	238'	30
BLUE CLAY	238'	312'	30
SAND STONE	312'	397'	30
FINE SAND W/ GRAVEL	397'	409'	30
GRAY CLAY	409'	425'	30

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DEC 05 2011 DEC 05 2011

WATER RESOURCES DEPARTMENT WATER RESOURCES DEPT
SALEM, OREGON SALEM, OREGON

Date started _____ Completed _____
(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 the best of my knowledge and belief.

Signed _____ WWC Number _____ Date _____

(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 standards. This report is true to the best of my knowledge and belief.

Signed inc. Validation WWC Number 1435 Date 7-28-95

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

Harn
1912

L 35536
 DEC 23 1991

22S/32 1/2 E/33W
 26876

(START CARD) #

(1) OWNER:

Name ANDY Root Well Number: 2WATE
 Address P.O. Box 946
 City BURNS State Oregon Zip 97790

(2) TYPE OF WORK:

New Well Deepen Recondition Abandon

(3) DRILL METHOD

Rotary Air Rotary Mud Cable
 Other

(4) PROPOSED USE:

Domestic Community Industrial Irrigation
 Thermal Injection Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes No Depth of Completed Well 380' ft.
 Yes No

Explosives used Type _____ Amount _____

HOLE		SEAL		Amount sacks or pounds		
Diameter	From To	Material	From To			
	20' 0	30	Cement	0	30'	20
	12'	30	390			

How was seal placed: Method A B C D E
 Other

Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Casing:	Diameter	From	To	Gauge	Material			
					Steel	Plastic	Welded	Threaded
					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:	1 1/8"	160	250		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Final location of shoes 158 1/2'

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailor Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
2000	100'		30 hr.

Temperature of water 55 Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:

County Harney Latitude _____ Longitude _____
 Township 22S Range 32 1/2 E Block-W, WM.
 Section 33 NW 1/4 NW 1/4
 Tax Lot 22-32 1/2 200 Block _____ Subdivision _____
 Street Address of Well (or nearest address) Hwy 20
HC Cow CK Road

(10) STATIC WATER LEVEL:

20 ft. below land surface. Date 3-10-91
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 20'

From	To	Estimated Flow Rate	SWL
20	30	10	20
190	193	20	20
340	350	2.000	20

(12) WELL LOG:

Ground elevation _____

Material	From	To	SWL
Top soil (sandy)	0	5	
Clay (Gray)	5	60	20
Clay (Green)	60	190	20
Clay (Black)	190	250	
Clay (Green)	250	340	
Gravel	340	360	20
Course sand	350	360	
Rock solid	360	380	20

This well was started by Larry Root then finished the well because Larry Root died
 Joe Valentine
 1435
 RECEIVED
 DEC 05 2011
 WATER RESOURCES DEPT
 SALEM, OREGON

Date started 3-10-91 Completed 11-14-91

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number _____
 Signed _____ Date _____

(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 well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1435
 Signed Joe Valentine Date 11-14-91

A-2

LIBRARY BEL AIR MD 21032



Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-14678

Final Order
Extension of Time for Permit Number G-13539

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-13539 was issued by the Department on November 12, 1998. The permit called for complete application of water to beneficial use by October 1, 2002. On April 26, 2010, Andy Root submitted to the Department an Application for Extension of Time for Permit G-13539. In accordance with OAR 690-315-0050(2), on January 18, 2011, the Department issued a Proposed Final Order proposing to extend the time to fully apply water to beneficial use to October 1, 2011. The protest period closed March 4, 2011, 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:

CONDITIONS

1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by **October 1, 2011. 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;

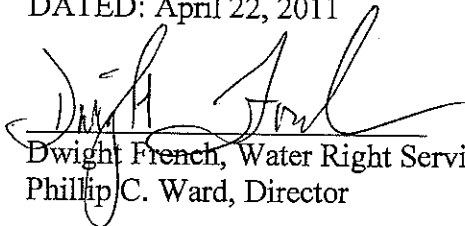
- (b) The Department shall provide notice of receipt of progress reports in its weekly notice and shall allow a 30 day comment period for each report. The Department shall provide notice of its determination to anyone who submitted comments.

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-14678, Permit G-13539, therefore, is approved subject to conditions contained herein. The deadline for applying water to full beneficial use is extended to October 1, 2011.

DATED: April 22, 2011



Dwight French, Water Right Services Administrator, for
Phillip C. Ward, Director

-
- If you have any questions about statements contained in this document, please contact Jerry Gainey at (503) 986-0812.
 - 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: April 22, 2011

Copies Mailed

Application G-14678
Permit G-13539

By: JK
On: 4/22/11

Original mailed to permit holder

Andy Root
424 Hwy 20N
Hines, OR 97738

Copies sent to:

1. WRD - App. File G-14678/ Permit G-13539
2. WRD - Watermaster District 10, Tony Rutherford
3. WRD - Eastern Regional Manager, Ivan Gall
4. WRD - Support Staff, Salem...*Permit record update*

Fee paid as specified under ORS 536.050 to receive copy:

5. None

Receiving via e-mail (10 AM day of signature date).

6. None

If Progress Reports are included:

Add record to Progress Report tracking sheet.xls Done by: _____ Date: _____

CASEWORKER: MCS

**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-13539, Water Right Application G-14678)
in the name of Andy Root) PROPOSED FINAL ORDER

Permit Information

Application File G-14678 Permit G-13539

Basin: 12 – Malheur Lake / Watermaster District 10

Date of Priority: February 2, 1998

Authorized Use of Water

Source of Water: 8 Wells within the Rattlesnake Creek Basin

Purpose of Use: Primary Irrigation of 1421.1 Acres and Supplemental
Irrigation on 166.8 Acres

Maximum Rate: 16.81 Cubic Feet per Second (cfs), being 2.8 cfs from Well
1, 1.1 cfs from Well 2, 2.8 cfs from Well 3, 2.86 cfs from
Well 4, 1.6 cfs from Well 5, 0.32 cfs from Well 6, 0.33 cfs
from Well 7, 4.0 cfs from Well 8

**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-13539, water right Application G-14678.
A copy of Permit G-13539 is enclosed as Attachment 1.

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, 2002 to October 1, 2011.
- Make the extension subject to certain conditions set forth below.

ACRONYM QUICK REFERENCE

Department – Oregon Department of Water Resources
PFO – Proposed Final Order

Units of Measure

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.

FINDINGS OF FACT

Background

1. Permit G-13539 was granted by the Department on November 12, 1998. The permit authorizes the use of up to 16.8 cfs of water from 8 Wells with the Rattlesnake Creek basin for primary irrigation of 1421.1 acres and supplemental irrigation on 166.8 acres. The permit specified complete application of water was to be made on or before October 1, 2002.
2. The permit holder submitted an "Application for Extension of Time" to the Department on April 26, 2010 requesting the time to apply water to full beneficial use under the terms and conditions of Permit G-13539 be extended from October 1, 2002 to October 1, 2011. This is the first permit extension requested for Permit G-13539.
3. Notification of the Application for Extension of Time for Permit G-13539 was published in the Department's Public Notice dated May 4, 2010. 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 537.230¹, 537.248², 537.630³ and/or 539.010(5)⁴.

Complete Extension of Time Application [OAR 690-315-0040(1)(a)]

4. On April 26, 2010, the Department received a completed Application for Extension of Time and the fee specified in ORS 536.050 from the permit holder.

Start of Construction [OAR 690-315-0040(1)(b) and 690-315-0040(5)]

5. Actual construction of the well began prior to the September 30, 1999 deadline specified in the permit.

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.

6. As of April 26, 2010, the remaining work to be completed consists of applying water to

¹ORS 537.230 applies to surface water permits only.

²ORS 537.248 applies to reservoir permits only.

³ORS 537.630 applies to ground water permits only.

⁴ORS 539.010(5) applies to surface water and ground water permits.

full beneficial use and acquiring a permit amendment.

7. Given the amount of development left to occur, the Department has determined that the permit holder's request to have until October 1, 2011, to accomplish the application of water to beneficial use under the terms and conditions of Permit G-13539 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 wells and water system began prior to the September 30, 1999 deadline specified in the permit.
 - b. During the original development time frame under Permit G-13539, all 8 Wells were constructed, meters were installed, conditions were satisfied, and water was put to beneficial use.

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-13539 on November 12, 1998, a maximum rate of 16.81 cfs of water has been appropriated from the wells, being 3.8 cfs from Well 1, 1.1 cfs from Well 2, 2.8 cfs from Well 3, 2.86 cfs from Well 4, 1.6 cfs from Well 5, 0.32 cfs from Well 6, 0.33 cfs from Well 7, and 4.0 cfs from Well 8 for primary irrigation of 1421.1 acres and supplemental irrigation of 166.8 acres.

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 holder's compliance with conditions, and did not identify any concerns.

Financial Investments [OAR 690-315-0040(3)(d)]

11. Financial investments made toward developing the beneficial water use.
- a. As of April 26, 2010, the permit holder has invested approximately \$1,085,475 which is approximately 99 percent of the total projected cost for complete development of this project. The permit holder anticipates an additional \$2,350 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 April 26, 2010, the permit holder has invested approximately \$1,085,475 which is approximately 99 percent of the total projected cost for complete development of this project. The permit holder anticipates an additional \$2,350 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-13539.

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-13539; 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-13539, located within the Rattlesnake Creek Basin, is not located within a limited or critical ground water area. The Rattlesnake Creek Basin is not located within or above any state or federal scenic waterway, however it is located within an area ranked "highest" 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. «Closest RiverStream» 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 April 26, 2010, the permit holder has invested approximately \$1,085,475.
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. None have been identified.

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, 2011⁵, as

⁵Pursuant 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

Proposed Final Order: Permit G-13539 Page 6 of 9

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-13539.

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-13539 from October 1, 2002 to October 1, 2011.

Subject to the following conditions:

CONDITIONS

1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by **October 1, 2011**. *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

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.

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: January 4, 2011

Dwight French
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 **February 18, 2011**, 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 Jerry Gainey at 503-986-0812.
 - 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
Fax: 503-986-0901 Salem, OR 97301-1266
-

Mailing List for Extension PFO Copies

PFO Date: January 4, 2011

Copies Mailed

Application G-14678

Permit G-13539

By: _____

On: _____

Original mailed to Applicant:

Andy Root
424 Hwy 20N
Hines, OR 97738

Copies sent to:

1. WRD - App. File G-14678/ Permit G-13539
2. WRD - Watermaster District 10, Tony Rutherford

Fee paid as specified under ORS 536.050 to receive copy:

3. None

Receiving via e-mail (10 AM Tuesday of signature date)

4. None

CASEWORKER: MCS

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
HC 73 174 HARNEY RD.
BURNS, OREGON 97720

PHONE: (541) 493-3645
2116

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: EIGHT WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND, BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, NE 1/4 SE 1/4, SECTION 33, NE 1/4 SW 1/4, SE 1/4 NE 1/4, SW 1/4 NE 1/4, SECTION 34, SW 1/4 NE 1/4, SECTION 30, NW 1/4 NE 1/4, SECTION 32, T22S, R32.5E, W.M.; WELL 1 - 90 FEET SOUTH & 2460 FEET EAST FROM NW CORNER, SECTION 33; WELL 2 - 330 FEET SOUTH & 2200 FEET EAST FROM NW CORNER, SECTION 33; WELL 3 - 1340 FEET NORTH & 1200 FEET WEST FROM SE CORNER, SECTION 33; WELL 4 - 2068 FEET NORTH & 2270 FEET EAST FROM SW CORNER, SECTION 34; WELL 5 - 1890 FEET SOUTH & 1100 FEET WEST FROM NE CORNER, SECTION 34; WELL 6 - 1350 FEET SOUTH & 1350 FEET WEST FROM NE CORNER, SECTION 34; WELL 7 - 1300 FEET NORTH & 1800 FEET EAST FROM SW CORNER, SE 1/4 NW 1/4, SECTION 30; WELL 8 - 220 FEET SOUTH & 2270 FEET WEST FROM NE CORNER, SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

	<u>PRIMARY</u>	<u>SUPPLEMENTAL</u>
NE 1/4 SW 1/4	38.0 ACRES	
NW 1/4 SW 1/4	38.0 ACRES	
SW 1/4 SW 1/4	40.0 ACRES	
SE 1/4 SW 1/4	40.0 ACRES	
	SECTION 29	

	<u>PRIMARY</u>	<u>SUPPLEMENTAL</u>
SW 1/4 NE 1/4	30.3 ACRES	
SE 1/4 NE 1/4	20.3 ACRES	
SE 1/4 NW 1/4	17.7 ACRES	
NE 1/4 SE 1/4	21.3 ACRES	
SE 1/4 SE 1/4	21.6 ACRES	
	SECTION 30	
NE 1/4 NE 1/4	14.9 ACRES	
	SECTION 31	
NE 1/4 NE 1/4	40.0 ACRES	
NW 1/4 NE 1/4	40.0 ACRES	
SW 1/4 NE 1/4	7.7 ACRES	32.3 ACRES
SE 1/4 NE 1/4	40.0 ACRES	
NE 1/4 NW 1/4	7.8 ACRES	32.2 ACRES
NW 1/4 NW 1/4	9.2 ACRES	30.8 ACRES
SW 1/4 NW 1/4		31.5 ACRES
SE 1/4 NW 1/4		40.0 ACRES
NW 1/4 SW 1/4	5.0 ACRES	
NE 1/4 SW 1/4	37.4 ACRES	
SE 1/4 SW 1/4	38.3 ACRES	
NE 1/4 SE 1/4	40.0 ACRES	
NW 1/4 SE 1/4	40.0 ACRES	
SW 1/4 SE 1/4	40.0 ACRES	
SE 1/4 SE 1/4	40.0 ACRES	
	SECTION 32	
NE 1/4 NE 1/4	31.4 ACRES	
NW 1/4 NE 1/4	31.4 ACRES	
SW 1/4 NE 1/4	31.4 ACRES	
SE 1/4 NE 1/4	31.4 ACRES	
NE 1/4 NW 1/4	31.4 ACRES	
NW 1/4 NW 1/4	31.4 ACRES	
SW 1/4 NW 1/4	31.4 ACRES	
SE 1/4 NW 1/4	31.4 ACRES	
NE 1/4 SE 1/4	31.4 ACRES	
NW 1/4 SE 1/4	31.4 ACRES	
SW 1/4 SE 1/4	31.4 ACRES	
SE 1/4 SE 1/4	31.4 ACRES	
	SECTION 33	
NE 1/4 NE 1/4	31.4 ACRES	
NW 1/4 NE 1/4	31.4 ACRES	
SW 1/4 NE 1/4	31.4 ACRES	
SE 1/4 NE 1/4	31.4 ACRES	
NE 1/4 NW 1/4	31.4 ACRES	
NW 1/4 NW 1/4	31.4 ACRES	
SW 1/4 NW 1/4	31.4 ACRES	
SE 1/4 NW 1/4	31.4 ACRES	
NE 1/4 SW 1/4	31.4 ACRES	
NW 1/4 SW 1/4	31.4 ACRES	
SW 1/4 SW 1/4	31.4 ACRES	
SE 1/4 SW 1/4	31.4 ACRES	
	SECTION 34	

TOWNSHIP 22 SOUTH, RANGE 32.5 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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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.

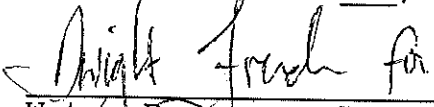
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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.

Actual construction of the well shall begin by September 30, 1999. Complete application of the water to the use shall be made on or before October 1, 2002. 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 November 12, 1998


Water Resources Department
Martha Pagel, Director

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-14678

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On February 2, 1998, ANDY ROOT submitted an application to the Department for the following water use permit:

- Amount of Water: 7545.0 GALLONS PER MINUTE, BEING 1700 GPM FROM WELL 1, 500 GPM FROM WELL 2, 1250 GPM FROM WELL 3, 1300 GPM FROM WELL 4, 700 GPM FROM WELL 5, 145 GPM FROM WELL 6, 150 GPM FROM WELL 7, AND 1800 GPM FROM WELL 8
- Use of Water: PRIMARY IRRIGATION OF 1441.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 134.5 ACRES
- Source of Water: EIGHT WELLS IN RATTLESNAKE CREEK BASIN
- Area of Proposed Use: HARNEY County within
 - NE 1/4 SW 1/4 38.0 ACRES
 - NW 1/4 SW 1/4 38.0 ACRES
 - SW 1/4 SW 1/4 40.0 ACRES
 - SE 1/4 SW 1/4 40.0 ACRES
 - SECTION 29
 - SW 1/4 NE 1/4 30.3 ACRES
 - SE 1/4 NE 1/4 20.3 ACRES
 - SE 1/4 NW 1/4 17.7 ACRES
 - NE 1/4 SE 1/4 21.3 ACRES
 - SE 1/4 SE 1/4 21.6 ACRES
 - SECTION 30
 - NE 1/4 NE 1/4 14.9 ACRES
 - SECTION 31
 - NE 1/4 NE 1/4 40.0 ACRES
 - NW 1/4 NE 1/4 40.0 ACRES
 - SW 1/4 NE 1/4 7.7 ACRES (S) 32.3 ACRES
 - SE 1/4 NE 1/4 40.0 ACRES
 - NE 1/4 NW 1/4 7.8 ACRES (S) 32.2 ACRES
 - NW 1/4 NW 1/4 9.2 ACRES (S) 30.8 ACRES
 - SW 1/4 NW 1/4 (S) 31.5 ACRES
 - SE 1/4 NW 1/4 (S) 40.0 ACRES
 - NE 1/4 SW 1/4 37.4 ACRES

SE 1/4 SW 1/4 38.3 ACRES
 NE 1/4 SE 1/4 40.0 ACRES
 NW 1/4 SE 1/4 40.0 ACRES
 SW 1/4 SE 1/4 40.0 ACRES
 SE 1/4 SE 1/4 40.0 ACRES

SECTION 32

NE 1/4 NE 1/4 31.4 ACRES
 NW 1/4 NE 1/4 31.4 ACRES
 SW 1/4 NE 1/4 31.4 ACRES
 SE 1/4 NE 1/4 31.4 ACRES
 NE 1/4 NW 1/4 31.4 ACRES
 NW 1/4 NW 1/4 31.4 ACRES
 SW 1/4 NW 1/4 31.4 ACRES
 SE 1/4 NW 1/4 31.4 ACRES
 NE 1/4 SE 1/4 31.4 ACRES
 NW 1/4 SE 1/4 31.4 ACRES
 SW 1/4 SE 1/4 31.4 ACRES
 SE 1/4 SE 1/4 31.4 ACRES

SECTION 33

NE 1/4 NE 1/4 31.4 ACRES
 NW 1/4 NE 1/4 31.4 ACRES
 SW 1/4 NE 1/4 31.4 ACRES
 SE 1/4 NE 1/4 31.4 ACRES
 NE 1/4 NW 1/4 31.4 ACRES
 NW 1/4 NW 1/4 31.4 ACRES
 SW 1/4 NW 1/4 31.4 ACRES
 SE 1/4 NW 1/4 31.4 ACRES
 NE 1/4 SW 1/4 31.4 ACRES
 NW 1/4 SW 1/4 31.4 ACRES
 SW 1/4 SW 1/4 31.4 ACRES
 SE 1/4 SW 1/4 31.4 ACRES

SECTION 34

TOWNSHIP 22 SOUTH, RANGE 32.5 EAST W.M.

On 4/3/98, the Department mailed the applicant notice of its Initial Review, determining that THE USE OF 16.81 CUBIC FEET PER SECOND (7545.0 GALLONS PER MINUTE), BEING 1700 GPM FROM WELL 1, 500 GPM FROM WELL 2, 1250 GPM FROM WELL 3, 1300 GPM FROM WELL 4, 700 GPM FROM WELL 5, 145 GPM FROM WELL 6, 150 GPM FROM WELL 7, AND 1800 GPM FROM WELL 8, FROM EIGHT WELLS IN RATTLESNAKE CREEK BASIN FOR PRIMARY IRRIGATION OF 1441.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 134.5 ACRES IS ALLOWABLE FROM APRIL 1 THROUGH SEPTEMBER 30 OF EACH YEAR. The applicant did not notify the Department to stop processing the application within 14 days of that date.

On 4/17/98, 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 of the Departments public notice.

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 Malheur Lake Basin Program allows the following uses: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES (THE ACREAGE ON THIS PROPOSED FINAL ORDER HAS BEEN ADJUSTED FROM THAT ON THE INITIAL REVIEW TO REFLECT THE ACREAGE SHOWN ON THE APPLICATION MAP)

Senior water rights exist on EIGHT WELLS IN RATTLESNAKE CREEK BASIN or on downstream waters.

EIGHT WELLS IN RATTLESNAKE CREEK BASIN is not within or above a State Scenic Waterway.

An assessment of available data finds that groundwater for the proposed use, will if properly conditioned, avoid injury to existing rights or the groundwater resource.

The Department finds that no more than 19.85 CFS would be necessary for the proposed use. The amount of water requested, 7545.0 GALLONS PER MINUTE (16.81 cfs), BEING 1700 GPM FROM WELL 1, 500 GPM FROM WELL 2, 1250 GPM FROM WELL 3, 1300 GPM FROM WELL 4, 700 GPM FROM WELL 5, 145 GPM FROM WELL 6, 150 GPM FROM WELL 7, AND 1800 GPM FROM WELL 8, is allowable.

Described groundwater is NOT within a designated critical ground water area.

The Department determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference.

The Groundwater Section finds that 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.

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 proposed use requested in this application is allowed in the Malheur Lake Basin Plan.

No preference for this use is granted under the provisions of ORS 536.310(12).

Water is available for the proposed use.

The proposed use will not injure other water rights.

The proposed use complies with other rules of the Water Resources Commission not otherwise described above.

The proposed use complies with the State Agency Agreement for land use.

No proposed flow rate and duty of water higher than the general basin-wide standard is needed.

For these reasons, the required presumption has been established.

Under the provisions of ORS 537.621, once the presumption has been established, it may be overcome by a preponderance of evidence that either:

- (a) One or more of the criteria for establishing the presumption are not satisfied; or
- (b) The proposed use would not ensure the preservation of the public welfare, safety and health as demonstrated in comments, in a protest . . . or in a finding of the department that shows:
 - (A) The specific aspect of the public welfare, safety and health under ORS 537.525 that would be impaired or detrimentally affected; and
 - (B) Specifically how the identified aspect of the public welfare, safety and health under ORS 537.525 would be impaired or be adversely affected.

In this application, all criteria for establishing the presumption have been satisfied, as noted above. The presumption has not been overcome by a preponderance of evidence that the proposed use would impair or be detrimental to the public interest.

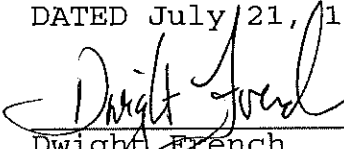
The Department therefore concludes that water is available in the amount necessary for the proposed use; the proposed use will not result in injury to existing water rights; and the proposed use would ensure the preservation of the public welfare, safety and health as described in ORS

537.525.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED July 21, 1998


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.

Requests for Standing

Under the provisions of 537.621(6), persons other than the applicant who support a proposed final order may request standing for purposes of participating in any contested case proceeding on the proposed final order or for judicial review of a final order. A request for standing shall be in writing, include a statement that the requester supports the

proposed final order, and a statement of how the requester would be harmed if the proposed final order is modified. The fee required at the time of submitting this request is \$50.00. If a hearing is scheduled, an additional fee of \$150.00 must be submitted along with a request for intervention. Forms to request standing are available from the Department.

Your protest or request for standing must be received in the Water Resources Department no later than **September 4, 1998**.

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

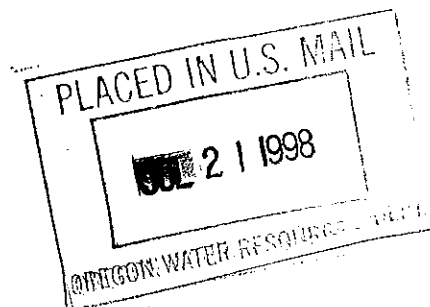
- upon review of the issues, the director finds that there are significant disputes related to the proposed use of water, or
- the applicant requests a contested case hearing within 30 days after the close of the protest period.

This document was prepared by Dallas Miller. 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 toll free within Oregon at 1-800-624-3199 extension 272. Outside of Oregon you can dial 1-503-378-8455.

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 Adam Sussman. His extension number is 262.

If you have other questions about the Department or any of its programs please contact our Water Rights Information Group at extension 499.

DM- WEEK 156



DRAFT

This is not a permit!!!
STATE OF OREGON

DRAFT

COUNTY OF HARNEY

DRAFT PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS DRAFT PERMIT IS HEREBY ISSUED TO

ANDY ROOT

HC 73 174 HARNEY RD
BURNS, OREGON 97720

(541)493-3645

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: EIGHT WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND, BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: February 2, 1998

POINT OF DIVERSION LOCATION: WELL 1-NE 1/4 NW 1/4, SECTION 33, T22S, R32.5E, W.M.; 90 FEET SOUTH & 2460 FEET EAST FROM NW CORNER, SECTION 33, WELL 2- NE 1/4 NW 1/4, SECTION 33, T22S, R32.5E, W.M.; 330 FEET SOUTH & 2200 FEET EAST FROM NW CORNER, SECTION 33, WELL 3-NE 1/4 SE 1/4, SECTION 33, T22S, R32.5E, W.M.; 1340 FEET NORTH & 1200 FEET WEST FROM SE CORNER, SECTION 33, WELL 4- NE 1/4 SW 1/4, SECTION 34, T22S, R32.5E, W.M.; 2068 FEET NORTH & 2270 FEET EAST FROM SW CORNER, SECTION 34, WELL 5- SE 1/4 NE 1/4, SECTION 34, T22S, R32.5E, W.M.; 1890 FEET SOUTH & 1100 FEET WEST FROM NE CORNER, SECTION 34, WELL 6- SW 1/4 NE 1/4, SECTION 34, T22S, R32.5E, W.M.; 1350 FEET SOUTH & 1350 FEET WEST FROM NE CORNER, SECTION 34, WELL 7- SW 1/4 NE 1/4, SECTION 30, T22S, R32.5E, W.M.; 1300 FEET NORTH & 1800 FEET EAST FROM C1/4 CORNER, SECTION 30, WELL 8- NW 1/4 NE 1/4, SECTION 32, T22S, R32.5E, W.M.; 220 FEET SOUTH & 2270 FEET WEST FROM NE CORNER, SECTION 32

The amount of water used for irrigation under this right, 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) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NE 1/4 SW 1/4 38.0 ACRES

Application G-14678 Water Resources Department

PERMIT DRAFT

NW 1/4 SW 1/4 38.0 ACRES
 SW 1/4 SW 1/4 40.0 ACRES
 SE 1/4 SW 1/4 40.0 ACRES
 SECTION 29
 SW 1/4 NE 1/4 30.3 ACRES
 SE 1/4 NE 1/4 20.3 ACRES
 SE 1/4 NW 1/4 17.7 ACRES
 NE 1/4 SE 1/4 21.3 ACRES
 SE 1/4 SE 1/4 21.6 ACRES
 SECTION 30
 NE 1/4 NE 1/4 14.9 ACRES
 SECTION 31
 NE 1/4 NE 1/4 40.0 ACRES
 NW 1/4 NE 1/4 40.0 ACRES
 SW 1/4 NE 1/4 7.7 ACRES (S) 32.3 ACRES
 SE 1/4 NE 1/4 40.0 ACRES
 NE 1/4 NW 1/4 7.8 ACRES (S) 32.2 ACRES
 NW 1/4 NW 1/4 9.2 ACRES (S) 30.8 ACRES
 SW 1/4 NW 1/4 (S) 31.5 ACRES
 SE 1/4 NW 1/4 (S) 40.0 ACRES
 NE 1/4 SW 1/4 37.4 ACRES
 SE 1/4 SW 1/4 38.3 ACRES
 NE 1/4 SE 1/4 40.0 ACRES
 NW 1/4 SE 1/4 40.0 ACRES
 SW 1/4 SE 1/4 40.0 ACRES
 SE 1/4 SE 1/4 40.0 ACRES
 SECTION 32
 NE 1/4 NE 1/4 31.4 ACRES
 NW 1/4 NE 1/4 31.4 ACRES
 SW 1/4 NE 1/4 31.4 ACRES
 SE 1/4 NE 1/4 31.4 ACRES
 NE 1/4 NW 1/4 31.4 ACRES
 NW 1/4 NW 1/4 31.4 ACRES
 SW 1/4 NW 1/4 31.4 ACRES
 SE 1/4 NW 1/4 31.4 ACRES
 NE 1/4 SE 1/4 31.4 ACRES
 NW 1/4 SE 1/4 31.4 ACRES
 SW 1/4 SE 1/4 31.4 ACRES
 SE 1/4 SE 1/4 31.4 ACRES
 SECTION 33
 NE 1/4 NE 1/4 31.4 ACRES
 NW 1/4 NE 1/4 31.4 ACRES
 SW 1/4 NE 1/4 31.4 ACRES
 SE 1/4 NE 1/4 31.4 ACRES
 NE 1/4 NW 1/4 31.4 ACRES
 NW 1/4 NW 1/4 31.4 ACRES
 SW 1/4 NW 1/4 31.4 ACRES
 SE 1/4 NW 1/4 31.4 ACRES
 NE 1/4 SW 1/4 31.4 ACRES
 NW 1/4 SW 1/4 31.4 ACRES
 SW 1/4 SW 1/4 31.4 ACRES
 SE 1/4 SW 1/4 31.4 ACRES

SECTION 34
TOWNSHIP 22 SOUTH, RANGE 32.5 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.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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 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.

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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.

Actual construction of the well shall begin within one year from issuance of the final order approving the use. Complete application of the water to the use shall be made on or before October 1, 2002. 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 _____, 199_

DRAFT - THIS IS NOT A PERMIT

Water Resources Department
Director

Application G-14678
Basin 12
DM- WEEK 156

Water Resources Department
Volume 2 RATTLESNAKE CR MISC
MGMT.CODE

PERMIT DRAFT
District 10



Oregon

John A. Kitzhaber, M.D., Governor

Water Resources Department

Commerce Building
158 12th Street NE
Salem, OR 97310-0210
(503) 378-3739
FAX (503) 378-8130

April 3, 1998

ANDY ROOT
HC 73 174 HARNEY RD
BURNS, OREGON 97720

Reference: File G-14678

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 favorable 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 EIGHT WELLS IN RATTLESNAKE CREEK BASIN for PRIMARY IRRIGATION OF 1441.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 134.5 ACRES **is allowable** under OAR 690-512, the Malheur Lake Basin Program.
3. The Department has determined, based upon OAR 690-09, that the proposed groundwater use will, if properly conditioned, adequately protect the surface water from interference.
4. The Department has also determined, based upon available data, that the use of groundwater in the amount of 16.81 CUBIC FEET PER SECOND (7545.0 GALLONS PER MINUTE), BEING 1700 GPM FROM WELL 1, 500 GPM FROM WELL 2, 1250 GPM FROM WELL 3, 1300 GPM FROM WELL 4, 700 GPM FROM WELL 5, 145 GPM FROM WELL 6, 150 GPM FROM WELL 7, AND 1800 GPM FROM WELL 8 for PRIMARY IRRIGATION OF 1441.1 ACRES AND SUPPLEMENTAL IRRIGATION

OF 134.5 ACRES if properly conditioned, will not injure existing rights or the groundwater resource.

Summary of Initial Determinations

The use of 16.81 CUBIC FEET PER SECOND (7545.0 GALLONS PER MINUTE), BEING 1700 GPM FROM WELL 1, 500 GPM FROM WELL 2, 1250 GPM FROM WELL 3, 1300 GPM FROM WELL 4, 700 GPM FROM WELL 5, 145 GPM FROM WELL 6, 150 GPM FROM WELL 7, AND 1800 GPM FROM WELL 8 from EIGHT WELLS IN RATTLESNAKE CREEK BASIN for PRIMARY IRRIGATION OF 1441.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 134.5 ACRES is allowable from April 1 through September 30 of each year.

Because of these favorable determinations, the Department can now move your application to the next phase of the water rights application review process. This phase is where public interest factors will be evaluated.

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.

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.

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, April 17, 1998**. For your convenience you may use the enclosed "STOP PROCESSING" form.

Additional Information Required:

Please show the tax lot(s) involved with the proposed use on the map provided. This information must be received no later than **May 21, 1998** or the Department may propose to reject your application.

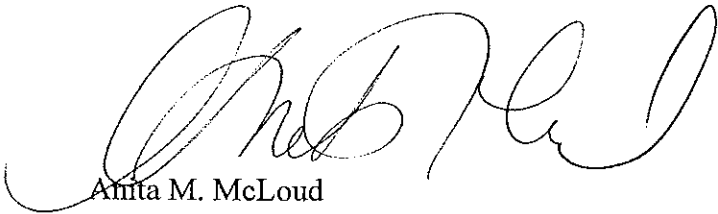
If A Permit Is Issued It Will Likely Include The Following Conditions:

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. The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user'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.
3. 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.
4. The priority date for this application is February 2, 1998.

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 (800) 624-3199 or (503) 378-8455 extension 499. Feel free to call me at (800) 624-3199 or (503) 378-8455 extension 229 if you have any questions regarding the contents of this letter. Please have your application number available if you call.

Sincerely,



Anita M. McLoud
Water Rights Specialist

cc: Regional Manager, Watermaster District 10, Water Availability Section
enclosures: Flow Chart of Water Right Process
Stop Processing Form
Tax Lot Map

G-14678
wab 12-
pou 12-
gw c



Oregon Water Resources Department

RECEIVED

FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON

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 instruction booklet when completing your application. Thank you.

1. Applicant Information

A. Individuals

(If more than one person is applying, please attach a sheet providing the information below for each person applying.)

Name: ROOT ANDY
Last First MI

Mailing address: HC 73 174 HARNEY Rd

BURNS OR 97720
City State Zip

Phone: 541-493-3645
Home Work Other

*Fax: _____ *E-Mail address: _____

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies, cooperatives, public and municipal corporations)

Name of organization: _____

Name and title of person applying: _____

Mailing address of organization: _____

_____ State _____
City State Zip

Phone: _____
Day Evening

*Fax: _____ *E-Mail address: _____

*Optional information

For Department Use

App. No. G-14678 Permit No. _____ Date 2/2/98

2. Location and Source

The Department cannot process your application without accurate information showing the source of water and location of water use. You must attach a map to 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 page 3 in the instruction booklet for detailed map specifications. In addition, please provide the following information:

A. County

In what county is the use proposed? HARNEY

In what county is the appropriation point proposed? HARNEY

B. River Basin

(See instruction booklet pg.3 for list):

Malheur Lake

C. Property Ownership

Do you own all the land where you propose to divert, transport, and use water?

- Yes (Skip to section 3 "Groundwater Development.")
- No Please check the appropriate box below, and on a separate sheet of paper list the names and addresses of all affected landowners.**
- I have a recorded easement or written authorization permitting access.
- I do not currently have written authorization or easement permitting access.

**If more than 25 landowners are involved, a list is not required. See page 4 in the instruction booklet for more details.

3. Groundwater Development

A. Number of wells: 8 B. Name of nearest surface water body RATTLE SNAKE C

C. Distance from well(s) to nearest stream or lake: 1) ① 400'

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) +10' From Creek

2) _____ 3) _____ 4) _____

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:

1. Wells will be constructed by: Joe Valentine, (Tim Riley) (deceased)
Larry Root
1104 Buchanan Rd Burns Or (Burns, OR)
 Address: _____

Completion date: 3-91 To 5-1998

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	Estimated depth to water	Est. depth to water-bearing stratum	Type of access port or measuring device	Total well depth
1	14"	12" steel	100.6	None	30	14'	14'	2" Port	500
* 2		12" Steel						1" Plug	
3	14"	14" steel	160	None	22	30'	30'	1" Plug	425
4	14"	14" steel	120	None	18'	35'	160'	2" Port	450
* 5		12" Steel						1" Port	
6	12"	12" steel	159	None	20'	28'	30'	2" Port	750
7	14"	14" steel	103	None	20'			1" Plug	670'
Δ 8	14"	14"							650'

Well Logs
 HARRN
 1879
 1912?
 50457
 50421
 No Log?
 50668
 50667

* No Logs Available Δ - will be drilled in 1998

F. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

6. Project Schedule

Proposed date construction will begin March - 1991

Proposed date construction will be completed Fall of 1998

Proposed date beneficial water use will begin Summer 1998

7. Remarks

If you would like to clarify any information you have provided in the application, please do so here and reference the specific application question you are addressing.

E-2 No Logs can be found for well # 2 & 5 well # 8 will be drilled in the Spring of 1998

5-C Pivots 4 & 5 will be installed in the Spring of 1998

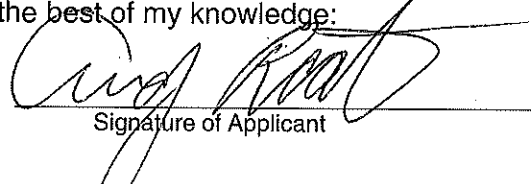
Pivots # 1, 2, 3 & 6 are in place

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 is 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 statements made and information provided in this application are true and correct to the best of my knowledge:


Signature of Applicant

1-27-98
Date

Signature of Co-applicant

Date

Before submitting this application, have you:

- Answered every question?
- Included a Land Use Information Form or receipt stub signed by a local official?
- Attached a legible map that meets all the necessary criteria?
- Included a check made out to WRD for at least the amount of the application fee?

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 in the instruction booklet):

- 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**, attach Form M
- If your proposed use is **commercial/industrial** or **quasi-municipal**, 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 aquifer, and 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 Annual Amount	Production Rate of the Well in gpm
1	well	IRRIGATION		1700
2	well	" "		500
3	well	" "		1250
4	well	" "		1300
5	well	" "		700
6	well	" "		145
7	well	" "		150
8	Proposed well	" "		1800 ±

7545

C. Season 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):

April To Mid September

D. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used:

1576 acres (1579.6) 134.5 acres will be Supplemental



Application No. G 4678

Permit No. 7

Oregon Water Resources Department Land Use Information Form

RECEIVED

FEB - 2 1998

WATER RESOURCES DEPT.
SALEM, OREGON

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 Applicant

The following section includes information about proposed water use. This section must be completed by the individual or group that is filing an application for a water right with the Water Resources Department.

A. Applicant

Name: Andy Root

Address: HC 73 174 HARNEY ROAD

City: Burns State: OR Zip: 97720 Day Phone: 541-493-3645

B. Land and Location

Please provide information as requested below for all tax lots on or through which water will be diverted, conveyed, or used. Check "diverted" if water is diverted (taken) from its source on tax lot, "conveyed" if water is conveyed (transported) on tax lot, and "used" if water will be put to beneficial use on tax lot. More than one box may be checked. (Attach extra sheets as necessary.) Applicants for municipal use, or irrigation uses within irrigation districts, may substitute existing and proposed service area boundaries for the tax lot information requested below.

Tax Lot I.D.	Plan Designation (e.g. Rural Residential/RR-5)	Water to be: (check all that apply)		
<u>22-3212</u> <u>1900-</u>		<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used
<u>2200</u>	<u>EFRU-1</u>	<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used
<u>2400</u>		<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> 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

Briefly describe: IRRIGATION USING (6) PIVOTS AND FLOOD IRR

D. Source

Indicate the source for the proposed water use:

Reservoir/Pond Ground Water Surface Water _____ (source)

E. Quantity

Indicate the estimated quantity of water the use will require:

7545 CFS GPM Acre-Feet

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless your project will be located entirely within the city limits. In this case, only the city planning agency must complete this form. Please request additional forms as needed or feel free to copy.

A. Allowed Use

Check the appropriate box below and provide requested information.

- Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s); AET, 3, Sec. 3.010. Go to section B "Approval" below
- Land uses to be served by proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below.

Type of Land Use Approval Needed (e.g. plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Check the item that applies: Land Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being pursued <input type="checkbox"/> Not being pursued

Note: Please attach documentation of applicable local land use approvals which have already been obtained. (Record of Action plus accompanying findings is sufficient.)

B. Approval

Please provide printed name and written signature.

Name: Carol T. Smith Date: Jan. 27, 1998
 Title: Planning Director Phone: 541-573-6655
 Signature: Carol T. Smith

C. Additional Comments

Local governments are invited to express special land use concerns or make recommendations to the Department regarding this proposed use of water below, or on a separate sheet.

Note: If this form cannot be completed while the applicant waits, sign and detach the receipt stub as instructed below. You will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD will presume the land use associated with the proposed water right is compatible with local comprehensive plans. (See attached letter.)

P) 541.4 146.8

(P) 120.1

376.8 (P)

376.8 (P)

1421.1(P) 146.8(S)

1587.9

call Andy

541-589-0107

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # **25666** INVOICE # _____
158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

RECEIVED FROM: ACW Farms APPLICATION 6-14678
BY: _____ PERMIT _____
TRANSFER _____

CASH: CHECK: # 2422 OTHER: (IDENTIFY) _____
TOTAL REC'D \$ 175-

0417 WRD MISC CASH ACCT

ADJUDICATIONS	\$
PUBLICATIONS / MAPS	\$
OTHER: (IDENTIFY)	\$
OTHER: (IDENTIFY)	\$

REDUCTION OF EXPENSE

CASH ACCT.	\$
VOUCHER #	

0427 WRD OPERATING ACCT

PCA 6011

MISCELLANEOUS	
0407 COPY & TAPE FEES	\$
0410 RESEARCH FEES	\$
0408 MISC REVENUE: (IDENTIFY)	\$
(New) TC165 DEPOSIT LIAB. (IDENTIFY)	\$
(Existing) TC168 WATER RIGHTS:	
0201 SURFACE WATER	EXAM FEE \$ 0202 RECORD FEE \$
0203 GROUND WATER	\$ 0204 \$ <u>175-</u>
0205 TRANSFER	\$ 0206 \$
WELL CONSTRUCTION	
0218 WELL DRILL CONSTRUCTOR	EXAM FEE \$ 0219 LICENSE FEE \$
LANDOWNER'S PERMIT	\$ 0220 \$
OTHER (IDENTIFY)	

0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #	
0210 MONITORING WELLS	\$	CARD #	
OTHER (IDENTIFY)			

0539 LOTTERY PROCEEDS

1302 LOTTERY PROCEEDS	\$
-----------------------	----

0467 HYDRO ACTIVITY

0233 POWER LICENSE FEE (FW/WRD)	LIC NUMBER	\$
0231 HYDRO LICENSE FEE (FW/WRD)		\$
HRDRO APPLICATION		\$

RECEIPT # **25666** DATED: 10-23-98 BY: P. Lee
Distribution-White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # **104604** INVOICE # _____
725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIVED FROM: Andy's Custom Work APPLICATION See Pdad
BY: _____ PERMIT _____
TRANSFER _____

CASH: CHECK: # 20587 OTHER: (IDENTIFY) _____
TOTAL REC'D \$ 600.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES	\$
OTHER: (IDENTIFY)	\$
0243 I/S Lease	
0244 Muni Water Mgmt. Plan	
0245 Cons. Water	

4270 WRD OPERATING ACCT

4611

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	EXAM FEE \$ 0202 RECORD FEE \$
0203 GROUND WATER	\$ 0204 \$
0205 TRANSFER	\$
WELL CONSTRUCTION	
0218 WELL DRILL CONSTRUCTOR	EXAM FEE \$ 0219 LICENSE FEE \$
LANDOWNER'S PERMIT	\$ 0220 \$
<u>0200</u> OTHER (IDENTIFY) <u>COBU (4)</u>	\$ <u>600.00</u>

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #	
0210 MONITORING WELLS	\$	CARD #	
OTHER (IDENTIFY)			

0607 TREASURY 0467 HYDRO ACTIVITY

0233 POWER LICENSE FEE (FW/WRD)	LIC NUMBER	\$
0231 HYDRO LICENSE FEE (FW/WRD)		\$
HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND	TITLE	\$
OBJ. CODE	VENDOR #	\$
DESCRIPTION		\$

RECEIPT: **104604** DATED: 12-5-11 BY: AR
Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # **18837** INVOICE # _____
158 12TH ST. N.E.
SALEM, OR 97310-0210
378-8455 / 378-8130 (FAX)

RECEIVED FROM: ACW Farms APPLICATION 914678
BY: _____ PERMIT _____
TRANSFER _____

CASH: CHECK: # 2422 OTHER: (IDENTIFY) _____
TOTAL REC'D \$ 1,600.00

0417 WRD MISC CASH ACCT

ADJUDICATIONS	\$
PUBLICATIONS / MAPS	\$
OTHER: (IDENTIFY)	\$
OTHER: (IDENTIFY)	\$

REDUCTION OF EXPENSE

CASH ACCT.	\$
VOUCHER #	

0427 WRD OPERATING ACCT

PCA 6011

MISCELLANEOUS	
0407 COPY & TAPE FEES	\$
0410 RESEARCH FEES	\$
0408 MISC REVENUE: (IDENTIFY)	\$
(New) TC165 DEPOSIT LIAB. (IDENTIFY)	\$
(Existing) TC168 WATER RIGHTS:	
0201 SURFACE WATER	EXAM FEE \$ 0202 RECORD FEE \$
0203 GROUND WATER	\$ <u>1,600.00</u> 0204 \$
0205 TRANSFER	\$ 0206 \$
WELL CONSTRUCTION	
0218 WELL DRILL CONSTRUCTOR	EXAM FEE \$ 0219 LICENSE FEE \$
LANDOWNER'S PERMIT	\$ 0220 \$
OTHER (IDENTIFY)	

0437 WELL CONST. START FEE

0211 WELL CONST START FEE	\$	CARD #	
0210 MONITORING WELLS	\$	CARD #	
OTHER (IDENTIFY)			

0539 LOTTERY PROCEEDS

1302 LOTTERY PROCEEDS	\$
-----------------------	----

0467 HYDRO ACTIVITY

0233 POWER LICENSE FEE (FW/WRD)	LIC NUMBER	\$
0231 HYDRO LICENSE FEE (FW/WRD)		\$
HRDRO APPLICATION		\$

RECEIPT # **18837** DATED: 9-2-99 BY: D. B. W. Hall
Distribution-White Copy-Customer, Yellow Copy-Fiscal, Blue Copy-File, Buff Copy-Fiscal


C-02

ANDY ROOT
HC 73 174 HARNEY RD
BURNS, OR 97720

Beginning Construction: 9-30-99

Complete Application of Water: 10-1-02

Application # G 14678
Permit # G 3539

Andy's ACW, Inc. dba,
CUSTOM WORK 
P.O. Box 946
Burns, OR 97720

CERTIFIED

P 073 069 391

MAIL



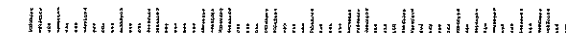
9000

97310

U.S. POSTAGE
DATE
BURNS, OR
97720
AMOUNT
\$2.77
00076338-01

State of Oregon
Water Resources Department
158 12th Street N.E.
Salem, OR 97310-0210

97310-0700



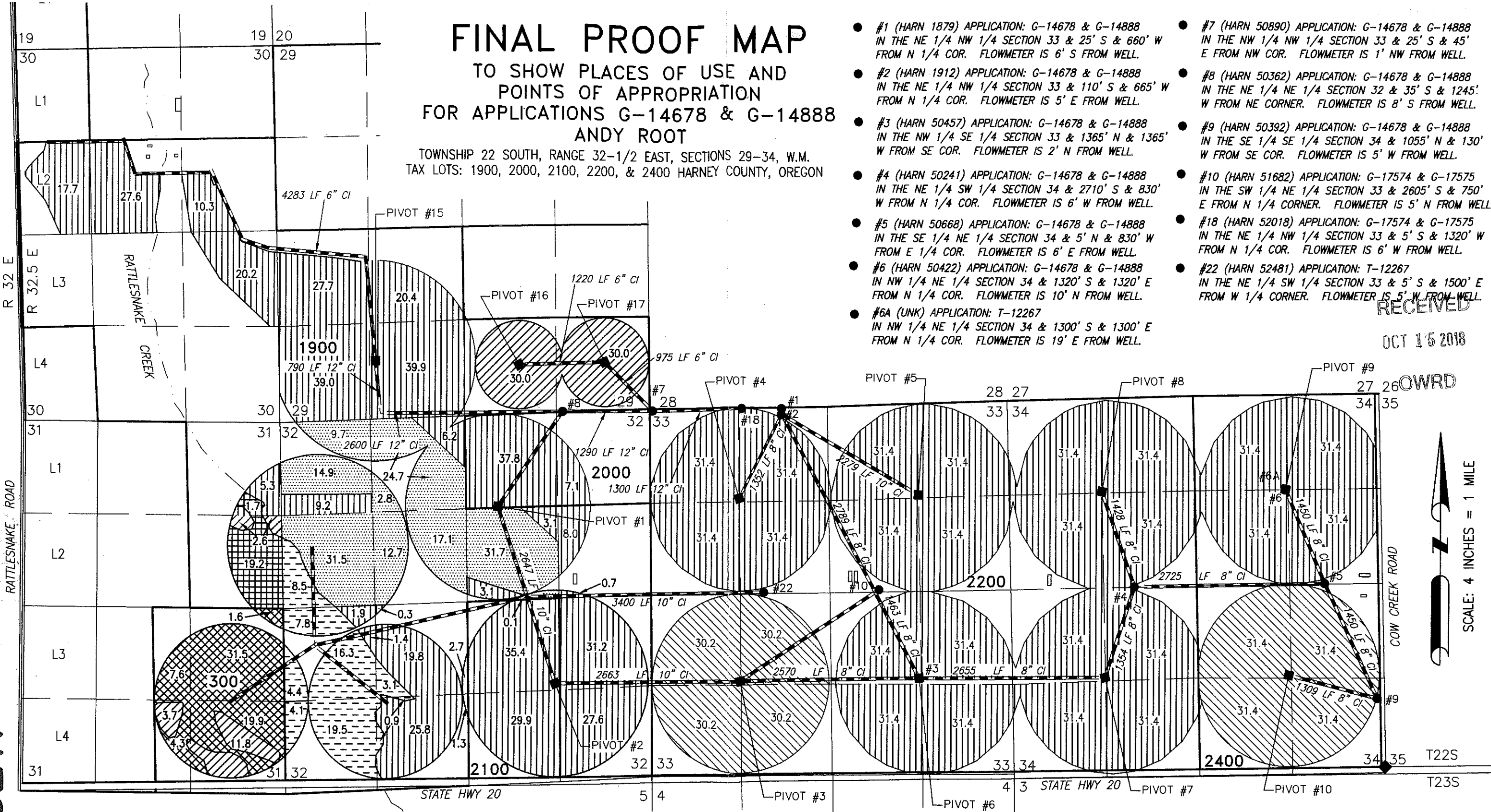
FINAL PROOF MAP

TO SHOW PLACES OF USE AND
POINTS OF APPROPRIATION
FOR APPLICATIONS G-14678 & G-14888
ANDY ROOT

TOWNSHIP 22 SOUTH, RANGE 32-1/2 EAST, SECTIONS 29-34, W.M.
TAX LOTS: 1900, 2000, 2100, 2200, & 2400 HARNEY COUNTY, OREGON

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RECEIVED
OCT 15 2018



1152

SCALE: 4 INCHES = 1 MILE

PREPARED FOR:
ANDY ROOT
524 HIGHWAY 20 N
HINES, OR 97738

PREPARED BY:
ALL POINTS ENGINEERING & SURVEYING, INC.
P.O. BOX 767 TERREBONNE, OR 97760
(541) 548-5833 www.APEandS.com



RENEWAL DATE: 12/31/2018

- BURIED STEEL PIPE
- 78.1 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IR POU, AS SHOWN.
- 1214.3 ACRES IR FROM PERMIT APP. G-14678 REMAIN, AS SHOWN.
- 145.1 ACRES IS FROM PERMIT APP. G-14678 REMAIN, AS SHOWN. PRIMARY RIGHT IS C-19922.
- 42.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS & 21.7 ACRES IS FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14581.
- 246.4 ACRES IR FROM PERMIT APP. G-14888 REMAIN, AS SHOWN.
- 64.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14584.
- 20.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14585.

THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RIGHT ONLY AND HAS NO INTENT TO PROVIDE LEGAL DIMENSIONS OR THE LOCATION OF PROPERTY LINES

FINAL PROOF MAP

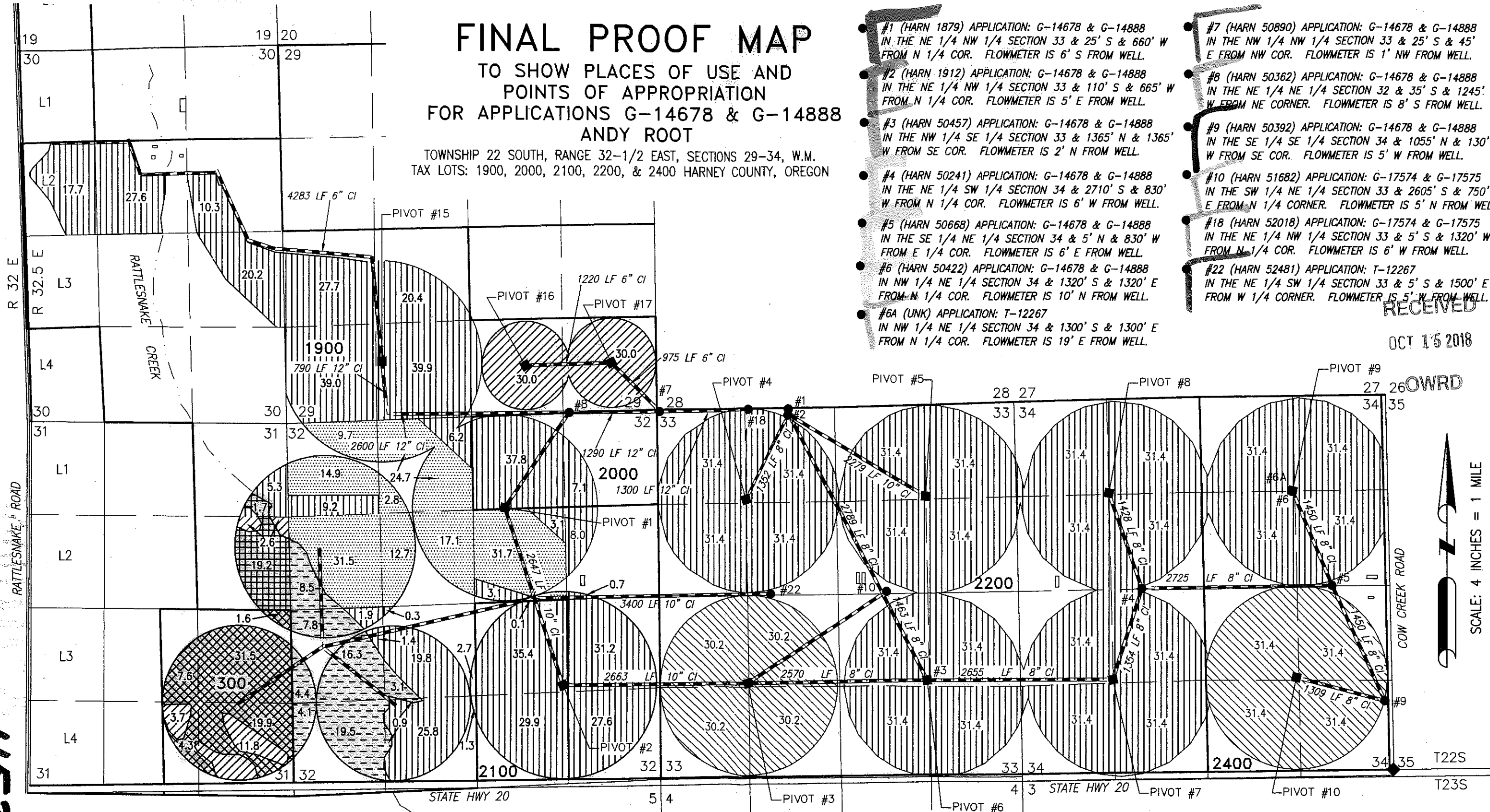
TO SHOW PLACES OF USE AND POINTS OF APPROPRIATION FOR APPLICATIONS G-14678 & G-14888

ANDY ROOT

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OCT 15 2018




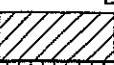


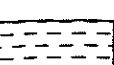




1152

SCALE: 4 INCHES = 1 MILE

PREPARED FOR:
ANDY ROOT
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PREPARED BY:
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P.O. BOX 767 TERREBONNE, OR 97760
(541) 548-5833 www.APEandS.com

Certified Water Right Examiner
#51324 WRE

Scott D. Montgomery
May 21, 2001
STATE OF OREGON
RENEWAL DATE: 12/31/2018

-  BURIED STEEL PIPE
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FINAL PROOF MAP

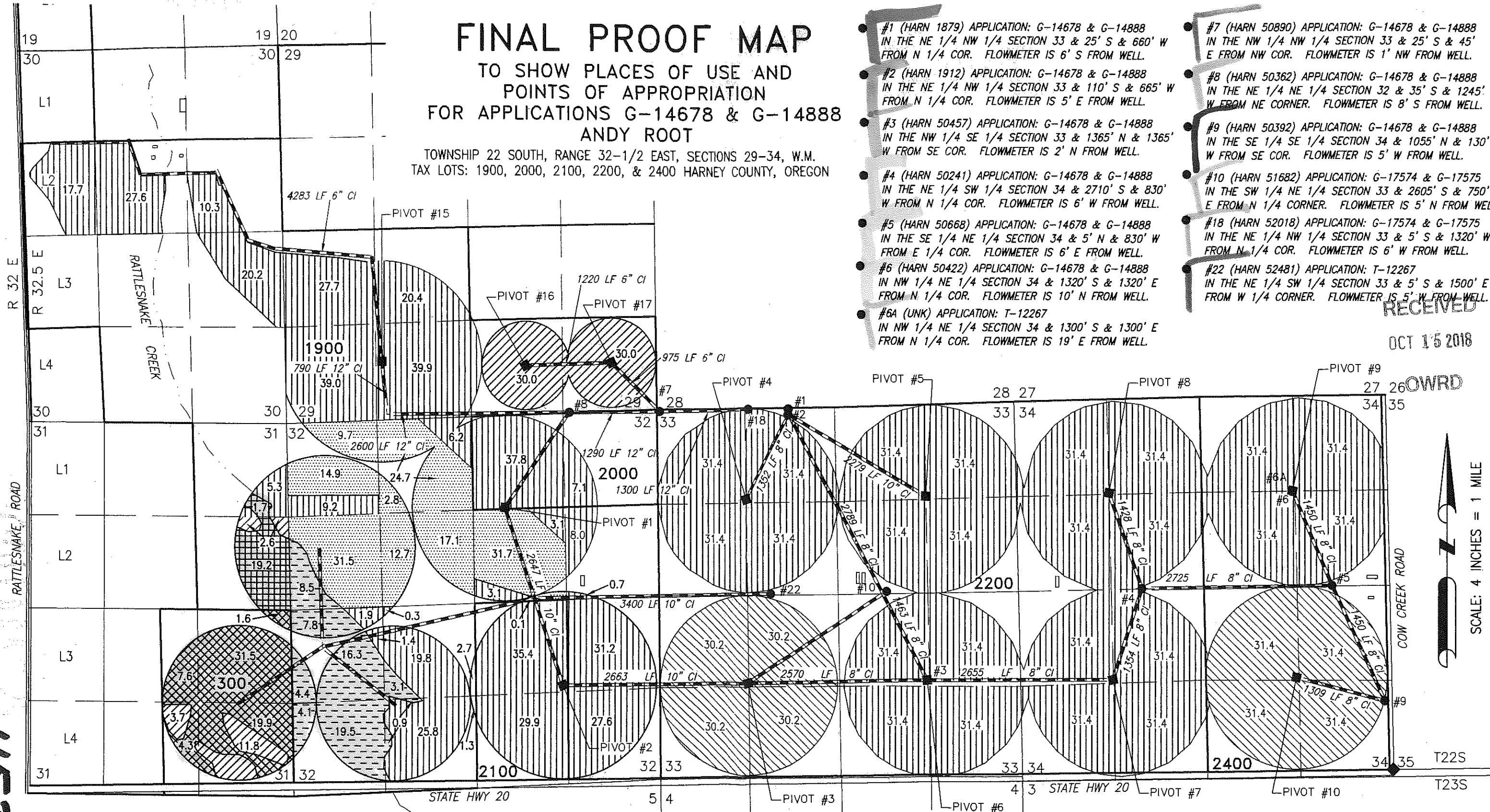
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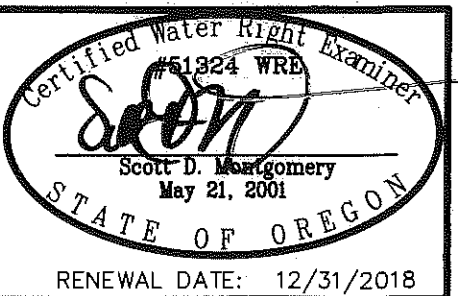
RECEIVED
 OCT 15 2018

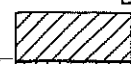

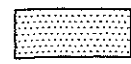
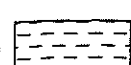
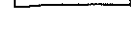

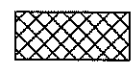
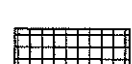


1152

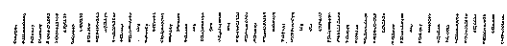
PREPARED FOR:
 ANDY ROOT
 524 HIGHWAY 20 N
 HINES, OR 97738

PREPARED BY:
 ALL POINTS ENGINEERING & SURVEYING, INC.
 P.O. BOX 767 TERREBONNE, OR 97760
 (541) 548-5833 www.APEandS.com



-  BURIED STEEL PIPE
 -  78.1 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IR POU, AS SHOWN.
 -  1214.3 ACRES IR FROM PERMIT APP. G-14678 REMAIN, AS SHOWN.
 -  145.1 ACRES IS FROM PERMIT APP. G-14678 REMAIN, AS SHOWN. PRIMARY RIGHT IS C-19922.
 -  42.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS & 21.7 ACRES IS FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14581.
 -  246.4 ACRES IR FROM PERMIT APP. G-14888 REMAIN, AS SHOWN.
 -  64.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14584.
 -  20.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14585.
- THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RIGHT ONLY AND HAS NO INTENT TO PROVIDE LEGAL DIMENSIONS OR THE LOCATION OF PROPERTY LINES

All

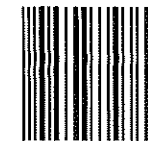


g, Inc

PO Box 767
Terrebonne, Or 97760



1021



97301

U.S. POSTAGE PAID
FCM LG ENV
TERREBONNE, OR
97760
OCT 12, 18
AMOUNT

\$3.10

R2305E124064-05

OWRD
ATTN: COBU Section
725 Summer St. NE, Suite A
Salem, Or
97301-1266



ACW, INC. DBA ANDY'S CUSTOM WORK
Oregon Water Resources Department
5530 · License & Dues

9/11/18

29903
200.00

RECEIVED
OCT 15 2018
OWRD

Business Banking- Ba G-18090

200.00

STATE OF OREGON
WATER RESOURCES DEPARTMENT
725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **128204** INVOICE # _____

RECEIVED FROM: ACW, Inc dba, Andy's Custom Work APPLICATION G-14678
BY: _____ PERMIT _____
TRANSFER _____

CASH: CHECK # 29903 OTHER: (IDENTIFY) _____
TOTAL REC'D \$ 200.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$ _____
OTHER: (IDENTIFY) \$ _____

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS 46111

0407 COPY & TAPE FEES \$ _____
0410 RESEARCH FEES \$ _____
0408 MISC REVENUE: (IDENTIFY) \$ _____
TC162 DEPOSIT LIAB. (IDENTIFY) \$ _____
0240 EXTENSION OF TIME \$ _____

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$ _____	0204	\$ _____
0205 TRANSFER	\$ _____		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
LANDOWNER'S PERMIT	\$ _____	0220	\$ _____

0200 OTHER (IDENTIFY) COBU \$ 200.00

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____
0210 MONITORING WELLS \$ _____ CARD # _____
OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____
0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ \$ _____

RECEIPT: **128204** DATED: 10-15-18 BY: [Signature]
Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

STATE OF OREGON
WATER RESOURCES DEPARTMENT
725 Summer St. N.E. Ste. A
SALEM, OR 97301-4172
(503) 986-0900 / (503) 986-0904 (fax)

RECEIPT # **108379** INVOICE # _____

RECEIVED FROM: Andy's Custom Work APPLICATION see below
BY: _____ PERMIT _____
TRANSFER _____

CASH: CHECK # 22279 OTHER: (IDENTIFY) _____
TOTAL REC'D \$ 1000.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES \$ _____
OTHER: (IDENTIFY) \$ _____

0243 I/S Lease _____ 0244 Muni Water Mgmt. Plan _____ 0245 Cons. Water _____

4270 WRD OPERATING ACCT

MISCELLANEOUS 46111

0407 COPY & TAPE FEES \$ _____
0410 RESEARCH FEES \$ _____
0408 MISC REVENUE: (IDENTIFY) \$ _____
TC162 DEPOSIT LIAB. (IDENTIFY) G-14678 - \$500.00 \$ _____
0240 EXTENSION OF TIME G-14888 \$500.00 \$ 1000.00

WATER RIGHTS:

0201 SURFACE WATER	EXAM FEE	0202	RECORD FEE
0203 GROUND WATER	\$ _____	0204	\$ _____
0205 TRANSFER	\$ _____		

WELL CONSTRUCTION

0218 WELL DRILL CONSTRUCTOR	EXAM FEE	0219	LICENSE FEE
LANDOWNER'S PERMIT	\$ _____	0220	\$ _____

OTHER (IDENTIFY) _____

0536 TREASURY 0437 WELL CONST. START FEE

0211 WELL CONST START FEE \$ _____ CARD # _____
0210 MONITORING WELLS \$ _____ CARD # _____
OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233 POWER LICENSE FEE (FW/WRD) \$ _____
0231 HYDRO LICENSE FEE (FW/WRD) \$ _____
HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____
OBJ. CODE _____ VENDOR # _____
DESCRIPTION _____ \$ _____

RECEIPT: **108379** DATED: 3-26-13 BY: [Signature]
Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

Application # G-14678

Permit # G-13539

*Root 1/2

Public Notice Route Slip ... New Application Extension of Time
per Division 315 Rules... (Extensions received on July 1, 2001 or after)

◆ **WRIG...**

Money Received on: 3/26/13

◆ **Extension Specialist ...**

Added to tracking spreadsheet WRM

After fee is receipted and app is added to spreadsheet, route to...

◆ **Codi Holmes...**

Publish on Public Notice (initial 30-day comment): Date of notice 4/16/13

Update WRIS Database

In the "PNotice Date" field... Enter the date the Extension Application was published on the Public Notice.

In the "Ext Filed" field... Enter the date the Extension Application was received.

Yes or No: Return file to Extension Specialist after PN _____

HOMEPLACE FIELDS

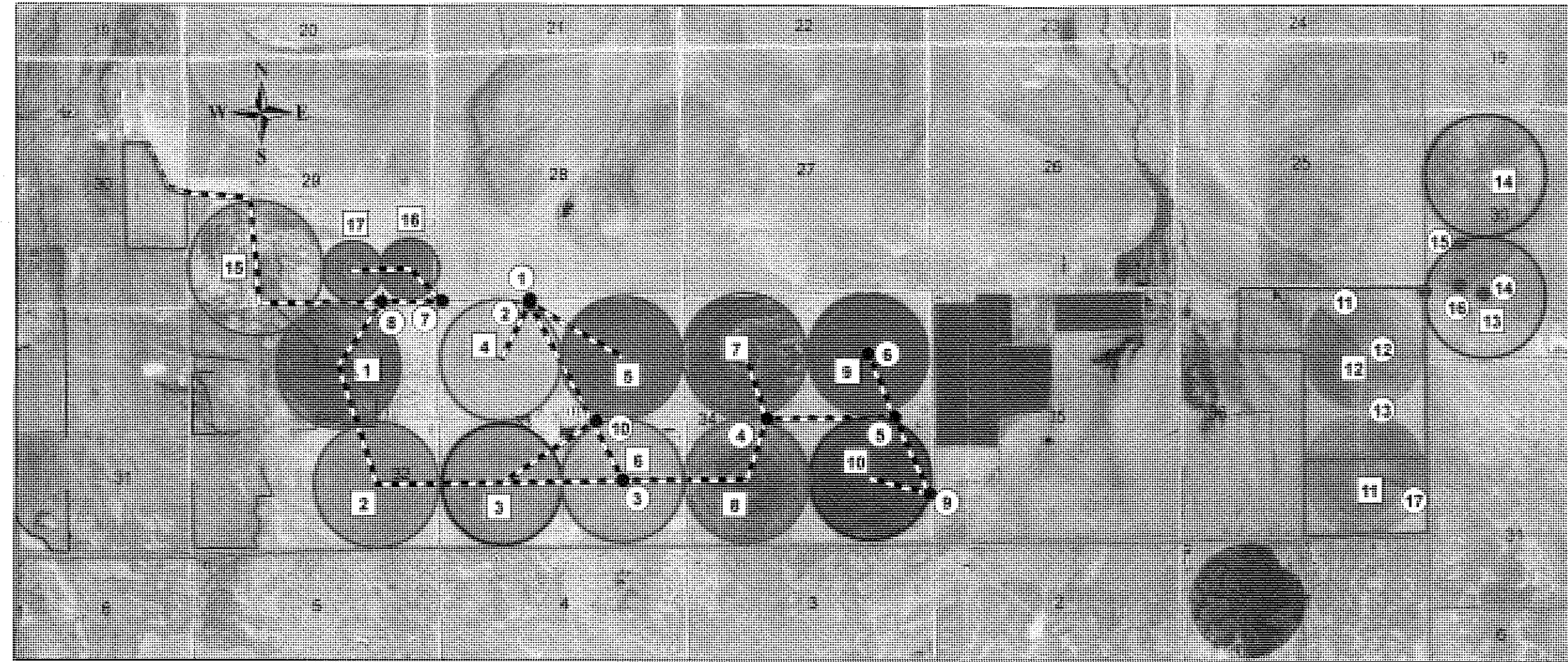
OWRD WATER RIGHTS APPURTENANT TO:
 C#15533, C#36879, G-12931, G-13539, G-13730, & G-16578

Prepared for:
ACW, Inc.

- POWER METER ID#s:
- Well 1 - 16521890
 - Well 2 - 16521890
 - Wells 3 & 4 - 97131155
 - Well 5 - 97879940
 - Well 6 - 21467136
 - Well 7 - 04389602
 - Well 8 - 97131155
 - Well 9 - 08253104
 - Well 10 - 08250780
 - Well 11 - 08253092
 - Well 12 - 21467127
 - Well 13 - 84183261
 - Wells 14-16 - 23267949
 - Well 17 -
 - Well 18 - 16567777

RECEIVED
 OCT 15 2018

OWRD



- | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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| <p>#1 WELL #1 (HARN 1879 - L35535)
12" CASING FROM 0 TO 100'
w/ 1" CAPPED STEM PORT EAST
McCrometer 15-01185-10
National N8260 turbine pump
US Electric 125 hp motor</p> <p>#2 WELL #2 (HARN 1912 - L35536)
12" CASING FROM 0 TO 160'
w/ 2" uncapped pipe south casing</p> <p>#3 Johnston 1465 turbine pump
General Electric 50 hp motor</p> <p>#4 WELL #4 (HARN 50241 - L16814)
14" CASING FROM 0 TO 120'
1-1/4" uncapped pipe S
American HH30 turbine pump
U.S. Electric 100 hp motor</p> <p>#5 WELL #5 (HARN 50668 - L35538)
12" CASING FROM 0 TO 160'</p> | <p>#6 WELL #6 (HARN 50422 - L28438)
12" CASING FROM 0 TO 160'
w/ 2" uncapped pipe south casing</p> <p>Aurora VertiLine 10RH turbine pump
U.S. Electric 75 hp motor</p> <p>#7 WELL #7 (HARN 50890 - L51625)
14" CASING FROM 0 TO 80'</p> <p>Unknown make submersible pump
Unknown make 25 hp motor</p> <p>#8 WELL #8 (HARN 50362 - L21297)
16" CASING FROM 0 TO 80'
1" threaded bolt NE
McCrometer 05-01179-12
National turbine pump &
Marathon electric 150 hp motor</p> <p>#9 WELL #9 (HARN 50392 - L28434)
14" CASING FROM 0 TO 79'</p> <p>WDM turbine pump
Newman Electric 75 hp motor</p> <p>#10 WELL #10 (HARN 51682 - L102504)
12" CASING FROM 0 TO 80'
2" capped pipe E
McCrometer 15-01176-08
Western turbine pump &
Westinghouse 150 hp motor</p> | <p>#11 WELL #11 (HARN 207 - L114130)
12" CASING FROM 0 TO 80'</p> <p>Johnston turbine Pump
GE 50 hp motor</p> <p>#12 WELL #12 (HARN 211 - L114131)
12" CASING FROM 0 TO 52'
1" uncapped pipe W
Unk submersible pump &
40 hp electric motor</p> <p>#13 WELL #13 (HARN 210 - L114132)
12" CASING FROM 0 TO 70'
2" capped pipe N
Johnston turbine pump &
US Motors 40 hp motor</p> <p>#14 WELL #14 (HARN 51475 - L 93564)
8" CASING FROM 0 TO 118'</p> <p>Unk turbine pump &
electric motor 25 hp</p> <p>#15 WELL #15 (HARN 51275 - L 72705)
14" CASING FROM 0 TO 58'
McCrometer 10-01166-06 & 10-01165-08
Unk submersible pump & 75 hp motor</p> | <p>#16 WELL #16 (HARN 51823 - L 107862)
10" CASING FROM 2 TO 80'
1" uncapped pipe N
Unk submersible pump & electric motor</p> <p>#17 WELL #17 (HARN 51967 - L113426)
14" CASING FROM +2 TO -163'
1-1/2" capped pipe
Fairbanks Morse turbine pump &
GE electric motor 75 hp</p> <p>#18 WELL #18 (HARN 52018 - L 115433)
10" casing from +2 TO -80'
2" capped pipe NE
McCrometer 15-01175-08
Fairbanks Morse turbine pump &
GE 100 hp electric motor</p> <p>#19 WELL #19 (HARN 52021 - L113434)
14" CASING FROM +1 TO -105'</p> <p>no pump/motor</p> <p>#20 WELL #20
proposed</p> <p>#21 WELL #21
proposed</p> | <p>#1 PIVOT #1 - Valley 8000 (1355' irrigated radius)
Begin Pressure = unknown End Pressure = Unknown
132.1 Acres - Unknown flow</p> <p>#2 PIVOT #2 - Valley 8000 (1252' irrigated radius)
Begin Pressure = unk End Pressure = unk
112.5 Acres - flow unk</p> <p>#3 PIVOT #3 - Valley 8000 (560' irrigated radius)
Begin Pressure = unk End Pressure = unk
22.2 Acres - unk flow</p> <p>#4 PIVOT #4 - Valley 6000 (540' irrigated radius)
Begin Pressure = unk End Pressure = unk
21.0 Acres - unk flow</p> <p>#5 PIVOT #5 - Valley 6000 (560' irrigated radius)
Begin Pressure = unk End Pressure = unk
22.2 Acres - unk flow</p> <p>#6 PIVOT #6 - Zimmatic 310 (540' irrigated radius)
Begin Pressure = unk End Pressure = unk
21.0 Acres - unk flow</p> | <p>#7 PIVOT #7 - Valley 8000 (1355' irrigated radius)
Begin Pressure = unk End Pressure = unk
132.1 Acres - flow unk</p> <p>#8 PIVOT #8 - Valley 8000 (1252' irrigated radius)
Begin Pressure = unk End Pressure = unk
112.5 Acres - flow unk</p> <p>#9 PIVOT #9 - Pringle (1288' irrigated radius)
Begin Pressure = unk End Pressure = unk
119.6 Acres - unk flow</p> <p>#10 PIVOT #10 - Valley 8000 (1301' irrigated radius)
Begin Pressure = unk End Pressure = unk
121.9 Acres - unk flow</p> <p>#11 PIVOT #11 - Valley 6000 (unk irrigated radius)
Begin Pressure = unk End Pressure = unk
unk Acres - unk flow</p> <p>#12 PIVOT #12 - Valley 6000 (unk irrigated radius)
Begin Pressure = unk End Pressure = unk
unk Acres - unk flow</p> | <p>#13 PIVOT #13 - Valley 8000 (1355' irrigated radius)
Begin Pressure = unknown End Pressure = Unknown
132.1 Acres - Unknown flow</p> <p>#14 PIVOT #14 - Valley 8000 (1252' irrigated radius)
Begin Pressure = unk End Pressure = unk
112.5 Acres - flow unk</p> <p>#15 PIVOT #15 - Valley 8000 (1427' irrigated radius)
Begin Pressure = unk End Pressure = unk
146.9 Acres - unk flow</p> <p>#16 PIVOT #16 - Zimmatic (627' irrigated radius)
Begin Pressure = unk End Pressure = unk
28.4 Acres - unk flow</p> <p>#17 PIVOT #17 - Valley 6000 (633' irrigated radius)
Begin Pressure = unk End Pressure = unk
28.9 Acres - unk flow</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- AREA IRRIGATED FROM CERTIFICATE #14574
148.9 AC (P) SW
PRIORITY DATE = 1884 & 1890
SURVEYED BY STATE ENGINEER JULY 1936
- AREA IRRIGATED FROM CERTIFICATE #14581
87.5 AC (P) SW
PRIORITY DATE = 1887 & 1895
SURVEYED BY STATE ENGINEER JULY 1936
- AREA IRRIGATED FROM CERTIFICATE #19922
166.7 AC (P) SW
PRIORITY DATE = OCTOBER 7, 1948
SURVEYED BY STATE ENGINEER JULY 1951
- AREA IRR FROM CERTIFICATES #15533 & #36879
360 AC (P) SW & 218.4 AC (S) GW
PRIORITY DATE = 6/1884 & 7/23/1964
SURVEYED BY STATE ENG JUL 1936 & SEP 1968
- AREA IRRIGATED FROM PERMIT G-13539
1156.1 AC (P) GW & 85.1 AC (S) GW
PRIORITY DATE = FEBRUARY 2, 1998
SURVEYED BY APES SEPTEMBER 2011
- AREA IRRIGATED FROM PERMIT G-13730
240.1 AC (P) GW
PRIORITY DATE = DECEMBER 22, 1998
SURVEYED BY APES SEPTEMBER 2011
- AREA IRRIGATED FROM PERMIT G-12931
237.0 AC (S) GW
PRIORITY DATE = FEBRUARY 4, 1992
SURVEYED BY PALMER MARCH 2008
- AREA IRRIGATED FROM PERMIT G-16578
125.2 AC (P) GW
PRIORITY DATE = SEPTEMBER 17, 2008
COMPLETION DATE = SEPTEMBER 3, 2014
- PROPOSED AREA IRRIGATED FROM APP G-17365
113.2 AC (P) GW
PRIORITY DATE = APRIL 26, 2011
COMPLETION DATE = APRIL 26, 2018?

Application # G-14678

Permit # G-13539

Public Notice Route Slip ... New Application Extension of Time
per Division 315 Rules... (Extensions received on July 1, 2001 or after)

◆ WRIG...

Money Received on: 9/27/10

◆ Extension Specialist...

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 5/4/10 JRS

Update WRIS Database

In the "PNotice Date" field... Enter the date the Extension Application was published on the Public Notice.

In the "Ext Filed" field... Enter the date the Extension Application was received.

Yes or No: No

Return file to Extension Specialist after PN

ACW, INC. DBA ANDY'S CUSTOM WORK

Oregon Water Resources Department
5530 · License & Dues

3/19/13

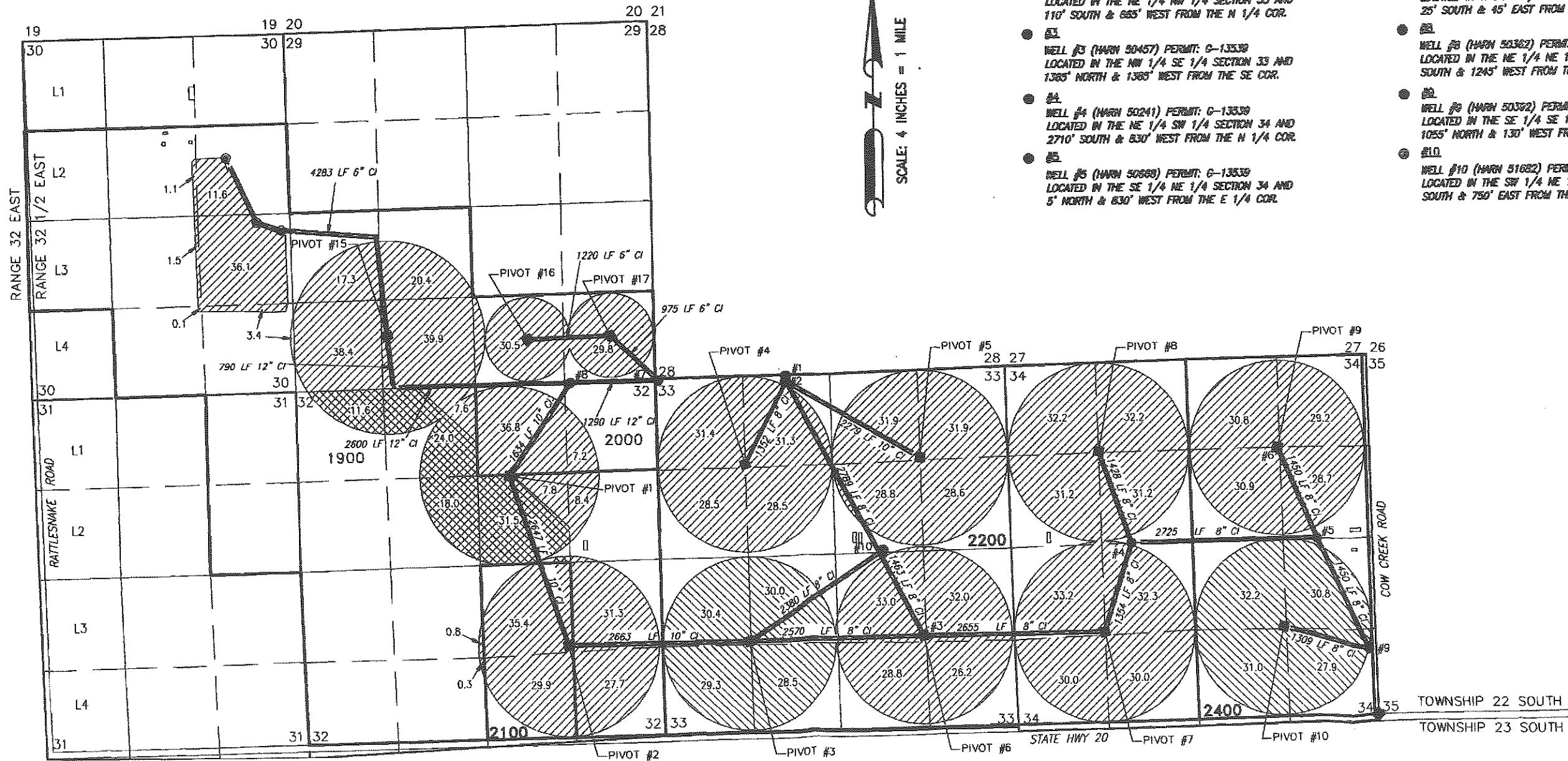
22279
1,000.00

Business Checking- I Extensions for G-13539 & G-13730

1,000.00

FINAL PROOF MAP
 TO SHOW PLACES OF USE AND
 POINTS OF APPROPRIATION
 FOR APPLICATIONS ~~G-14488~~ & G-14888
 ANDY ROOT G-14678 HC WED
12-7-2011

TOWNSHIP 22 SOUTH, RANGE 32-1/2 EAST, SECTIONS 29-34, W.M.
 TAX LOTS: 1900, 2000, 2100, 2200, & 2400 HARNEY COUNTY, OREGON



- #1
WELL #1 (HARN 1579) PERMIT: G-13539
LOCATED IN THE NE 1/4 NW 1/4 SECTION 33 AND
25' SOUTH & 680' WEST FROM THE N 1/4 COR.
- #2
WELL #2 (HARN 1912) PERMIT: G-13539
LOCATED IN THE NE 1/4 NW 1/4 SECTION 33 AND
110' SOUTH & 665' WEST FROM THE N 1/4 COR.
- #3
WELL #3 (HARN 50457) PERMIT: G-13539
LOCATED IN THE NW 1/4 SE 1/4 SECTION 33 AND
1385' NORTH & 1385' WEST FROM THE SE COR.
- #4
WELL #4 (HARN 50241) PERMIT: G-13539
LOCATED IN THE NE 1/4 SW 1/4 SECTION 34 AND
2710' SOUTH & 630' WEST FROM THE N 1/4 COR.
- #5
WELL #5 (HARN 50688) PERMIT: G-13539
LOCATED IN THE SE 1/4 NE 1/4 SECTION 34 AND
5' NORTH & 630' WEST FROM THE E 1/4 COR.
- #6
WELL #6 (HARN 50422) PERMIT: G-13539
LOCATED IN THE NW 1/4 NE 1/4 SECTION 34 AND
1320' SOUTH & 1320' EAST FROM THE N 1/4 COR.
- #7
WELL #7 (HARN 50890) PERMIT: G-13539
LOCATED IN THE NW 1/4 NW 1/4 SECTION 33 AND
25' SOUTH & 45' EAST FROM THE NW COR.
- #8
WELL #8 (HARN 50362) PERMIT: G-13539 & G-13730
LOCATED IN THE NE 1/4 NE 1/4 SECTION 32 AND 35'
SOUTH & 1245' WEST FROM THE NE CORNER.
- #9
WELL #9 (HARN 50362) PERMIT: G-13730
LOCATED IN THE SE 1/4 SE 1/4 SECTION 34 AND
1055' NORTH & 130' WEST FROM THE SE COR.
- #10
WELL #10 (HARN 51682) PERMITS: G-13539 & G-13730
LOCATED IN THE SW 1/4 NE 1/4 SECTION 33 AND 2805'
SOUTH & 750' EAST FROM THE N 1/4 CORNER

1156.1 ACRES PRIMARY IRRIGATION FROM
WELLS 1-8, AND 10, G-13539, AS SHOWN

240.1 ACRES PRIMARY IRRIGATION FROM

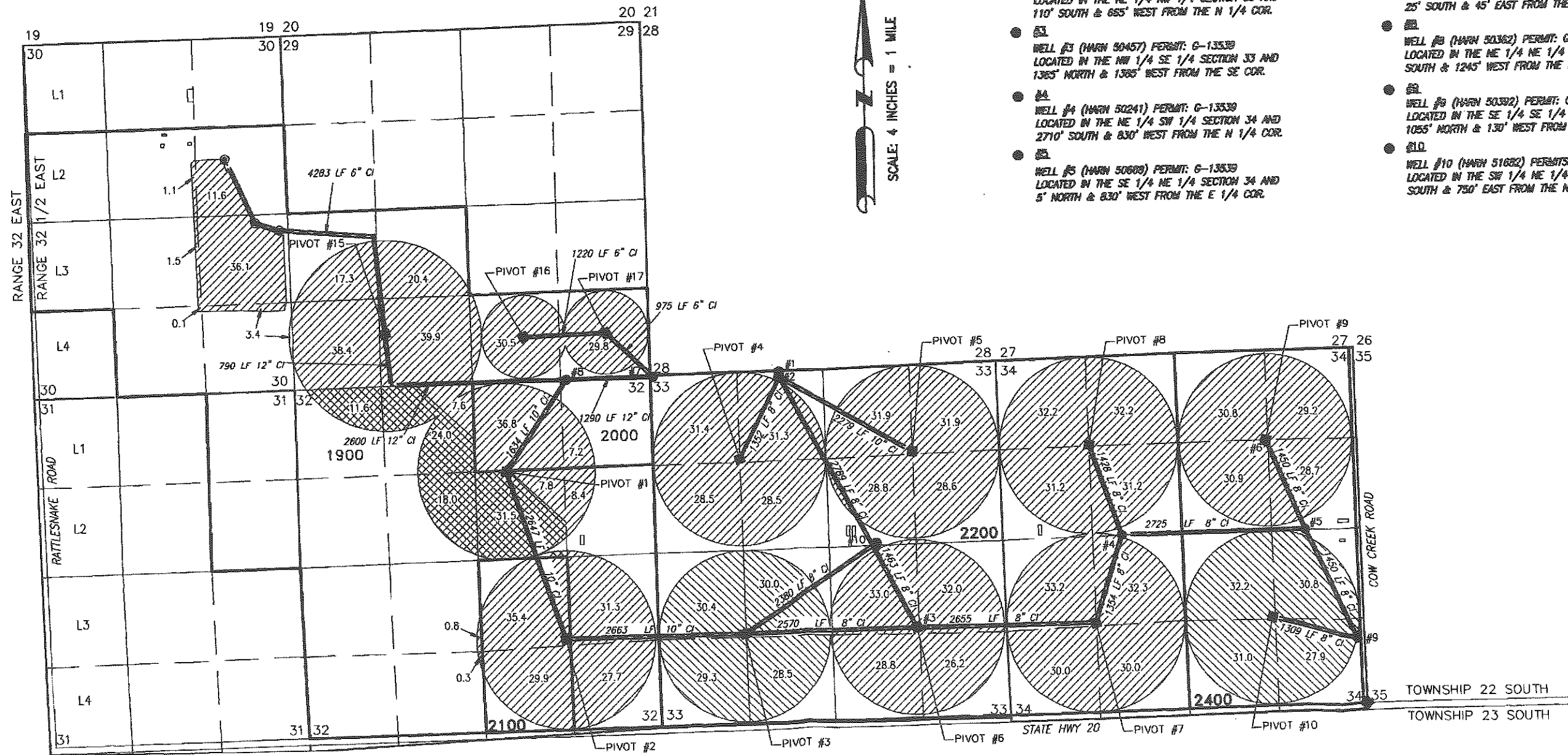
BURIED STEEL PIPE

Certified Water Right Examiner
 #61324 WRE
Scott D. Montgomery
 Scott D. Montgomery
 May 21, 2011
 STATE OF OREGON

COBU MAP # 0636

POINTS OF APPROPRIATION
 FOR APPLICATIONS ~~G-14488~~ & G-14888
 ANDY ROOT G-14678 IC WED 12-7-2011

TOWNSHIP 22 SOUTH, RANGE 32-1/2 EAST, SECTIONS 29-34, W.M.
 TAX LOTS: 1900, 2000, 2100, 2200, & 2400 HARNEY COUNTY, OREGON



- #1
WELL #1 (HARN 1879) PERMIT: G-13539
LOCATED IN THE NE 1/4 NW 1/4 SECTION 33 AND
25' SOUTH & 660' WEST FROM THE N 1/4 COR.
- #2
WELL #2 (HARN 1912) PERMIT: G-13539
LOCATED IN THE NE 1/4 NW 1/4 SECTION 33 AND
110' SOUTH & 655' WEST FROM THE N 1/4 COR.
- #3
WELL #3 (HARN 50457) PERMIT: G-13539
LOCATED IN THE NW 1/4 SE 1/4 SECTION 33 AND
1365' NORTH & 1365' WEST FROM THE SE COR.
- #4
WELL #4 (HARN 50241) PERMIT: G-13539
LOCATED IN THE NE 1/4 SW 1/4 SECTION 34 AND
2710' SOUTH & 830' WEST FROM THE N 1/4 COR.
- #5
WELL #5 (HARN 50608) PERMIT: G-13539
LOCATED IN THE SE 1/4 NE 1/4 SECTION 34 AND
5' NORTH & 830' WEST FROM THE E 1/4 COR.
- #6
WELL #6 (HARN 50422) PERMIT: G-13539
LOCATED IN THE NW 1/4 NE 1/4 SECTION 34 AND
1320' SOUTH & 1320' EAST FROM THE N 1/4 COR.
- #7
WELL #7 (HARN 50890) PERMIT: G-13539
LOCATED IN THE NW 1/4 NW 1/4 SECTION 33 AND
25' SOUTH & 45' EAST FROM THE NW COR.
- #8
WELL #8 (HARN 50362) PERMIT: G-13539 & G-13730
LOCATED IN THE NE 1/4 NE 1/4 SECTION 32 AND 35'
SOUTH & 1245' WEST FROM THE NE CORNER.
- #9
WELL #9 (HARN 50392) PERMIT: G-13730
LOCATED IN THE SE 1/4 SE 1/4 SECTION 34 AND
1055' NORTH & 130' WEST FROM THE SE COR.
- #10
WELL #10 (HARN 51682) PERMITS: G-13539 & G-13730
LOCATED IN THE SW 1/4 NE 1/4 SECTION 33 AND 2605'
SOUTH & 750' EAST FROM THE N 1/4 CORNER.

1156.1 ACRES PRIMARY IRRIGATION FROM
WELLS 1-8, AND 10, G-13539, AS SHOWN

240.1 ACRES PRIMARY IRRIGATION FROM
WELLS 6 AND 9, G-13730, AS SHOWN

BURIED STEEL PIPE

● IRRIGATION RISER

■ CENTER PIVOT

Certified Water Right Examiner
 #51324 WRE

 Scott D. Montgomery
 May 21, 2011
 STATE OF OREGON
 RENEWAL DATE: 12/31/2012

COBU MAP # 0636

PREPARED FOR:
 ANDY ROOT
 524 HIGHWAY 20 N

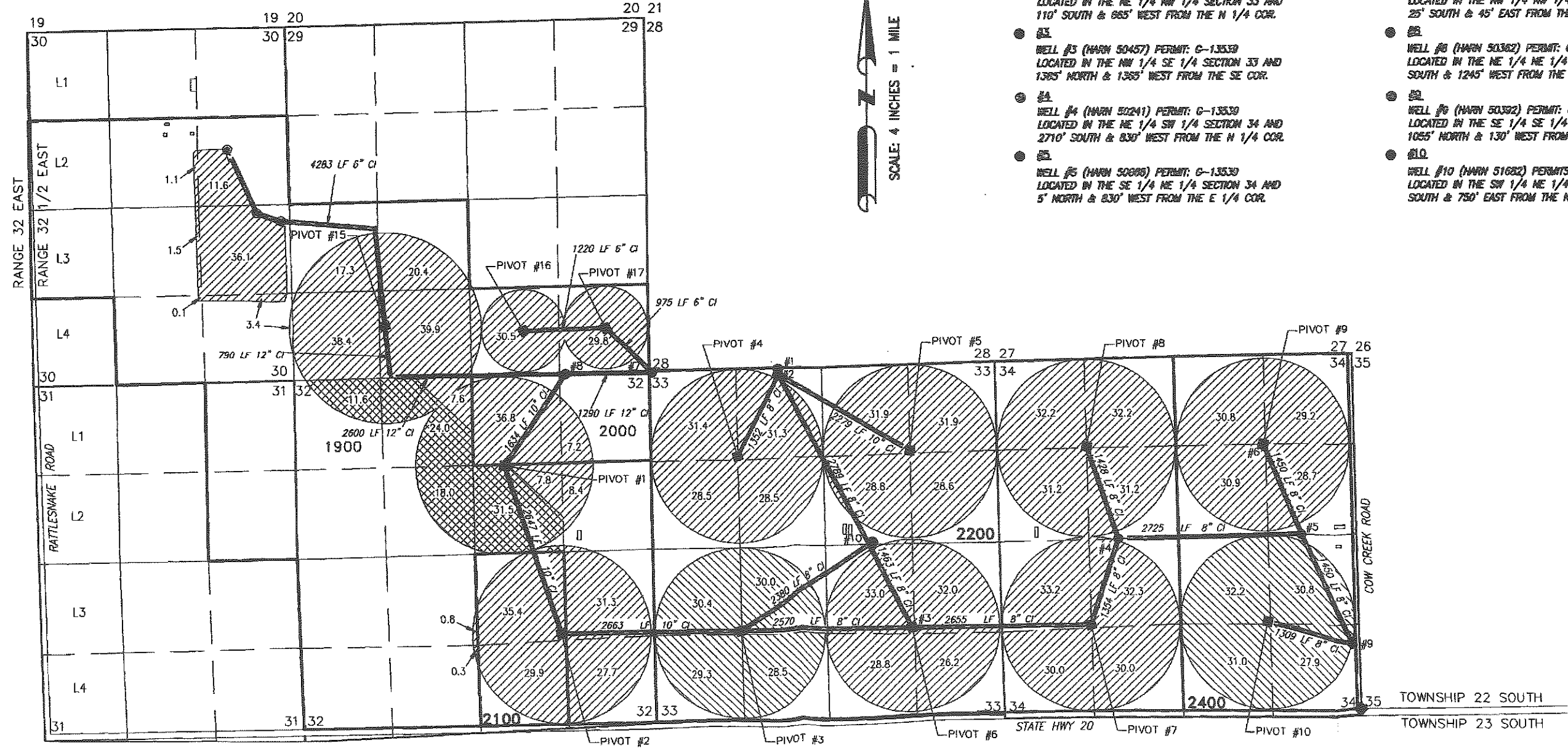
PREPARED BY:

 ALL POINTS ENGINEERING AND SURVEYING, INC.
 P.O. BOX 767 (CRR) TERREBONNE, OR 97760

FINAL PROOF MAP

TO SHOW PLACES OF USE AND
POINTS OF APPROPRIATION
FOR APPLICATIONS ~~G-14488~~ & G-14888
ANDY ROOT G-14678 ^{NC W&B} 12-7-2011

TOWNSHIP 22 SOUTH, RANGE 32-1/2 EAST, SECTIONS 29-34, W.M.
TAX LOTS: 1900, 2000, 2100, 2200, & 2400 HARNEY COUNTY, OREGON



- #1
WELL #1 (HARN 1879) PERMIT: G-13539
LOCATED IN THE NE 1/4 NW 1/4 SECTION 33 AND
25' SOUTH & 660' WEST FROM THE N 1/4 COR.
- #2
WELL #2 (HARN 1912) PERMIT: G-13539
LOCATED IN THE NE 1/4 NW 1/4 SECTION 33 AND
110' SOUTH & 685' WEST FROM THE N 1/4 COR.
- #3
WELL #3 (HARN 50457) PERMIT: G-13539
LOCATED IN THE NW 1/4 SE 1/4 SECTION 33 AND
1385' NORTH & 1385' WEST FROM THE SE COR.
- #4
WELL #4 (HARN 50241) PERMIT: G-13539
LOCATED IN THE NE 1/4 SW 1/4 SECTION 34 AND
2710' SOUTH & 830' WEST FROM THE N 1/4 COR.
- #5
WELL #5 (HARN 50086) PERMIT: G-13539
LOCATED IN THE SE 1/4 NE 1/4 SECTION 34 AND
5' NORTH & 830' WEST FROM THE E 1/4 COR.
- #6
WELL #6 (HARN 50422) PERMIT: G-13539
LOCATED IN THE NW 1/4 NE 1/4 SECTION 34 AND
1320' SOUTH & 1320' EAST FROM THE N 1/4 COR.
- #7
WELL #7 (HARN 50590) PERMIT: G-13539
LOCATED IN THE NW 1/4 NW 1/4 SECTION 33 AND
25' SOUTH & 45' EAST FROM THE NW COR.
- #8
WELL #8 (HARN 50362) PERMIT: G-13539 & G-13730
LOCATED IN THE NE 1/4 NE 1/4 SECTION 32 AND 35'
SOUTH & 1245' WEST FROM THE NE CORNER.
- #9
WELL #9 (HARN 50392) PERMIT: G-13730
LOCATED IN THE SE 1/4 SE 1/4 SECTION 34 AND
1055' NORTH & 130' WEST FROM THE SE COR.
- #10
WELL #10 (HARN 51682) PERMITS: G-13539 & G-13730
LOCATED IN THE SW 1/4 NE 1/4 SECTION 33 AND 2805'
SOUTH & 750' EAST FROM THE N 1/4 CORNER.

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

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

RECEIPT # **99791**

INVOICE # _____

RECEIVED FROM: Andy's Custom Work
BY: _____

APPLICATION	<u>614678</u>
PERMIT	
TRANSFER	

CASH: CHECK.# 16763 OTHER: (IDENTIFY)

TOTAL REC'D \$ 500.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407	COPIES	\$
	OTHER: (IDENTIFY)	\$
0243	I/S Lease	
	0244 Muni Water Mgmt. Plan	
	0245 Cons. Water	

4270 WRD OPERATING ACCT

MISCELLANEOUS			
0407	COPY & TAPE FEES	\$	
0410	RESEARCH FEES	\$	
0408	MISC REVENUE: (IDENTIFY)	\$	
TC162	DEPOSIT LIAB. (IDENTIFY)	\$	
0240	EXTENSION OF TIME	\$	<u>500.00</u>
WATER RIGHTS:		EXAM FEE	RECORD FEE
0201	SURFACE WATER	\$	0202 \$
0203	GROUND WATER	\$	0204 \$
0205	TRANSFER	\$	
WELL CONSTRUCTION		EXAM FEE	LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	\$	0219 \$
	LANDOWNER'S PERMIT		0220 \$
	OTHER (IDENTIFY)		

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	\$	CARD #
0210	MONITORING WELLS	\$	CARD #
	OTHER (IDENTIFY)		

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)	\$
0231	HYDRO LICENSE FEE (FW/WRD)	\$
	HYDRO APPLICATION	\$

TREASURY OTHER / RDX

FUND	TITLE	
OBJ. CODE	VENDOR #	
DESCRIPTION		\$

RECEIPT: **99791** DATED: 4-26-10 BY: QR

Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

TO: Water Rights Section

February 18, 1998.

FROM: Groundwater/Hydrology Section Michael Zwart

Reviewer's Name

SUBJECT: Application G-14678

GROUNDWATER/SURFACE WATER CONSIDERATIONS

1. PER THE _____ Basin rules, one or more of the proposed POA's is/is not within _____ feet/mile of a surface water source (_____) and taps a groundwater source hydraulically connected to the surface water.
2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
 - a. ___ will, or _____ have the potential for substantial interference with the nearest
 - b. ___ will not _____ surface water source, namely _____; or
 - c. will if properly conditioned, adequately protect the surface water from interference:
 - i. The permit should contain condition #(s) 7B;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
 - d. ___ will, with well reconstruction, adequately protect the surface from substantial interference.

GROUNDWATER AVAILABILITY CONSIDERATIONS

3. BASED UPON available data, I have determined that groundwater for the proposed use
 - a. ___ will, or _____ likely be available in the amounts requested without injury to prior rights
 - b. ___ will not _____ and/or within the capacity of the resource; or
 - c. will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
 - i. The permit should contain condition #(s) 7A;
 - ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
 - iii. ___ The permit should be conditioned as indicated in item 4 below; or
4.
 - a. ___ THE PERMIT should allow groundwater production from no deeper than _____ ft. below land surface;
 - b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
 - c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
 - d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
 - e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

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:
- a. ___ review of the well log;
 - b. ___ field inspection by _____;
 - c. ___ report of CWRE _____;
 - d. ___ other: (specify) _____

6. THE WELL construction deficiency:
- a. ___ constitutes a health threat under Division 200 rules;
 - b. ___ commingles water from more than one groundwater reservoir;
 - c. ___ permits the loss of artesian head;
 - d. ___ permits the de-watering of one or more groundwater reservoirs;
 - e. ___ other: (specify) _____

7. THE WELL construction deficiency is described as follows: _____

8. THE WELL
- a. ___ was, or constructed according to the standards in effect at the time of
 - b. ___ was not original construction or most recent modification.
 - c. ___ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ___ I 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."
- B. ___ I recommend withholding issuance of the permit until evidence of well reconstruction is filed 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

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit
_____, 199__
(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: _____

_____, 199__
(Signature)