

G3

Name _____
By _____
Address _____
G-16983
ANDY ROOT
524 HWY 20 N
HINES OR 97738

ASSIGNED

_____ C19 _____
Priority 12-17-2007
County HARNEY WM# _____

RELATED FILES

DEVELOPMENT _____ Date _____
Completion 4-3-2014
Extended to 10-30-2019
Final Proof received 11-26-18
Proposed Cert. Mailed 9/17/2021

Application No. G16983
Permit No. ~~G-16461~~ G-17989
Certificate No. 95740

_____ Date _____
DENIED _____
MISFILED _____ Volume _____ Page _____
WITHDRAWN _____
CANCELLED _____

FEES PAID

Date	Amount	Receipt No.
12/17/07	2100. ⁰⁰	909108
6/20/14	575.00	112478
11-26-18	200.00	128575
5-6-19	100.00	129705
	Cert. Fee	

FEES REFUNDED

Date	Amount	Receipt No.
4/21/09	300.00	90968

ASSIGNMENTS

Date	To Whom	Address
Partial 5/17/2019	Charles W. & Louanna Eggert	18555 SW Teton Ave. Tualatin, OR. 97062
5/17/2019	Northwest Farm Credit Services, FLCA	650 Hawthorne Ave SE. Ste. 210. Salem, OR. 97301-5895

REMARKS

T-12257 Δ POW, APOA v. 109 Pg. 539

COBU MAP# 1155(2)

PUMP TEST
12/26/2015
APPROVED

MAP LOCATION _____

STATE OF OREGON
WATER RESOURCES DEPARTMENT

RECEIPT # 90968

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

INVOICE # _____

RECEIVED FROM: ALW INC DBA ANDY'S
BY: CUSTOM WORK

APPLICATION 6-16983
PERMIT
TRANSFER

CASH: ☐ CHECK: # 16077 OTHER: (IDENTIFY) ☐

TOTAL REC'D \$ 2,100.00

1083 TREASURY 4170 WRD MISC CASH ACCT

0407 COPIES PLA 46111 \$
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 \$

WATER RIGHTS:

0201 SURFACE WATER EXAM FEE \$ 0202 RECORD FEE \$
0203 GROUND WATER \$ 1800.00 0204 \$ 300.00
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: 90968

DATED: 12/17/07 BY: [Signature]

Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

Business Checking - I Application for Water Use Permit

2,100.00

RECEIVED
DEC 17 2007
WATER RESOURCES DEPT
SALEM, OREGON

ACW, INC. DBA ANDY'S CUSTOM WORK
Water Resources Department
5530 - License & Dues

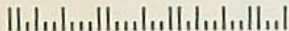
12/14/2007
2,100.00

16077

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:



G-16983
ANDY ROOT
524 HWY 20 N
HINES OR 97738

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Wanda Hewitt

☐ Agent☐ Addressee

B. Received by (Printed Name)

Wanda Hewitt

C. Date of Delivery

11-12-08

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No**RECEIVED**

NOV 17 2008

INTER RESOURCES DEPT
ALEM, OREGON

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number

(Transfer from service label)

7006 2150 0006 4124 5539

NEW APPLICATIONS (GROUND WATER, RESERVOIR, & SURFACE) ROUTE SLIP

G-16983

RECEIPTING



12/17/07

POST CARD SENT



Donna Weitzman 12-20-2007

DATA CENTER



MJR 12-28-07

GEOLOGY REVIEW

YES



NO



ENFORCEMENT

YES



NO



WATER RIGHTS SUPPORT



JS

Caseworker:

Alyssa Mucken 986-0853



Brook Geffen 986-0808



Jeana Eastman 986-0859



Joel Plahn 986-0815



Kerry Kavanagh 986-0816



A "Standard Reservoir" storing 9.2 acre-feet or more of
Water & has a dam height of 10.0 feet or greater needs to
have a copy of the application & supplemental forms routed to "DAM SAFETY"



GW
Files

ATTN: WATER RIGHTS

SUPPORT...>>>> Mark contents of file with
application number;

Update the WRIS Database with caseworkers name.
Route file to Caseworker.



S & R
Files

MEMORANDUM

TO: JUSTIN IVERSON, GROUND WATER SECTION
FROM: CERTIFICATE SECTION – GERRY CLARK
SUBJECT: MULTIPLE PUMP TEST EXEMPTION REQUEST
PERMIT G-17992, APPLICATION G-17452
PERMIT G-17989, APPLICATION G-16983
PERMIT G-17991, APPLICATION G-17146
PERMIT G-17990, APPLICATION G-17561
DATE: OCTOBER 24, 2018

The attached pump test exemption request was originally received on September 24, 2018. On October 24, 2018, an amendment to the request was received to add Well #11. This request is for multiple wells and four permits. We have retained the original for the application file.



OREGON
WATER
RESOURCES
DEPARTMENT

PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

0 Authorized

0 Authorized

0 Authorized

ADDRESS

524 Hwy 20 N

CITY Hines	STATE OR	ZIP 97738	E-MAIL
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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 # (EX. MARI 99999)	WELL TAG #	OWNER WELL NAME OR #	TEST DATE	APPLICATION	PERMIT	TRANSFER	CERTIFICATE
HARN 51817	L-107659	Andy Root	10/30/2013	G- 14136	G-12841		

(CONTINUED)

TWP (EX. 25S)	RNG (EX. 31E)	SEC (EX. 12)	QQ (EX. SE/SW)	SURVEYED LOCATION (EX. 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (EX. 44.94473859)	LONGITUDE (EX. -123.02787000)
25S	30E	33	WM	2690'S & 2890'W from NE cor sec 33	43 21'35.3 N	119 07'46.0W

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 # (EX. MARI 99999)	WELL TAG # (EX. L-999999)	OWNER WELL NAME OR #	APPLICATION	PERMIT	TRANSFER
--------------------------------	---------------------------------	----------------------	-------------	--------	----------

This is a
corrected copy
adding well # 11

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OCT 24 2018

OWRD

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OCT 24 2018

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PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

APP Per

#10	HARN 51765	L102536	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#11	<u>HARN 51760</u>	<u>L102534</u>	<u>Andy Root</u>	<u>G- 17452/169 83/17146/ 17561</u>	<u>G- 17992/179 89/17991/1 7990</u>	<u>T-12257 T-12638</u>
#13	HARN 51445	L-104470	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#14	HARN 51871	L-109033	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#15	HARN 51970	L-111173	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#16	HARN 52121	L-116668	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#17	HARN 52154	L-116674	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#18	HARN52170	L-117161	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#21	HARN 52591	L-122964	Andy Root	Pending Transfer		
#22	HARN 52590	L-122963	Andy Root	Pending Transfer		
#23	HARN 52674	L-126386	Andy Root	Pending Transfer		

(CONTINUED)

TWP (Ex 25S)	RNG (Ex 31E)	SEC (Ex 12)	QQ (Ex SE/SW)	SURVEYED LOCATION (Ex 100 ft N & 735 ft E fr SE cor. sec 5)	LATITUDE (Ex 44.94473859)	LONGITUDE (Ex -123.02787000)
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PUMP TEST MULTIPLE WELL EXEMPTION REQUEST FORM

#10	26S	30E	3	NW NW	6310'S & 415' E fr NW cor, sec34	43 20'59.6"N	119 07'01.4"W
#11	26S	30E	3	NW NW	6340'S & 330'E fr NW cor, Sec 34	43 20'59.5 N	119 07'01.8 W
#13	26S	30E	4	NE NW	6415'S & 2745'W fr NE cor, sec 33	43 20'58.5"N	119 07'44.1"W
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#21	25S	30E	29	SW SE	865'N & 1615'W fr SE cor sec 29	43 22'10.8 N	119 08'40.3 W
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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.

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:

DATE:

10/24/2018

LICENSE #:

51324

PRINTED NAME: SCOTT D. MONTGOMERY

0 AUTHORIZED

1 PROPOSED

PHONE: 541-548-5833

(CIRCLE ONE): OWNER, EMPLOYEE, CWRE, RG, PE, WWC, PUMP INSTALLER

EMAIL: SCOTT@APEANDS.COM

RECEIVED

OCT 24 2018

OWRD



PUMP TEST MULTIPLE WELL EXEMPTION REQUEST FORM

#10	HARN 51765	L102536	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
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(CONTINUED)

TWP (Ex. 25S)	RNG (Ex. 31E)	SEC (Ex. 12)	QQ (Ex. SE/SW)	SURVEYED LOCATION (Ex. 100 ft N & 735 ft E fr SE cor. sec 5)	LATITUDE (Ex. 44.94473859)	LONGITUDE (Ex. -123.02787000)
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RECEIVED

SEP 24 2018

OWRD



OREGON
WATER
RESOURCES
DEPARTMENT

PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

0 Authorized

Andy Root

541-573-3615

0 Authorized

0 Authorized

ADDRESS

524 Hwy 20 N

CITY

Hines

STATE

OR

ZIP

97738

E-MAIL

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PUMP TEST MULTIPLE WELL EXEMPTION REQUEST FORM

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DATE:

9/20/2018

LICENSE #:

51324

PRINTED NAME: SCOTT D. MONTGOMERY

0 AUTHORIZED

1 PROPOSED

PHONE: 541-548-5833

(CIRCLE ONE): OWNER, EMPLOYEE CWRE, RG, PE, WWC, PUMP INSTALLER

EMAIL: SCOTT@APEANDS.COM

RECEIVED

SEP 24 2018

OWRD

HARN 51765

HARN 51765

Page 1 of 1

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER

Owner Well ID well 21

First Name Andy

Last Name Root

Company ACW

Address 10 Box 3

City Burns

State 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 167.00 ft

BORE HOLE			SEAL			sacks	
Dia	From	To	Material	From	To	Am't	Lbs
18	0	18	Bentonite Chips	0	18	90	S
14	18	167					

How was seal placed:

Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other poured dr & tamped

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	Plste	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	1.5	60	.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	green	Liner	Dia	From	To	Screen slot width	Slot length	# of slots	Tele/ pipe size

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal/min Drawdown Drill stem Pump depth Duration (hr)

2,800 2 115 6

Temperature 60 °F Lab analysis ☐ Yes ByWater quality concerns? ☐ Yes (describe below)

From To Description Amount Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N/S Range 30.00 E E/W WM

Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number Lot

Lat " 0 " or " or " DMS or DD

Long " 0 " or " or " DMS or DD

☒ Street address of well ☐ Nearest address

29062 Weaver Spring Road

(10) STATIC WATER LEVEL

Date SWL(pst) + SWL(ft)

Existing Well / Predeepening

Completed Well 02-11-2011 104

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found

SWL Date	From	To	Est Flow	SWL(pst)	+ SWL(ft)
02-11-2011	104	167	3,000		104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sand loam	0	1
Sand cinders	1	6
Clay cinders	6	60
Rock boulders	60	80
Cinders	80	95
Rock basal black	95	140
Void	140	145
Cinders multi colored	145	160
Rock broken loose and caving	160	167

RECEIVED

RECEIVED

SEP 24 2018

MAY 12 2011

OWRD

WATER RESOURCES DEPT
SALEM, OREGON

Date Started 02-03-2011 Completed 02-11-2011

(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 02-18-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version 0.95

HARN 51765

HARN 51765

Page 1 of 1

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER

Owner Well I.D. well 21

First Name Andy

Last Name Root

Company ACW

Address PO Box 3

City Burns

State 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 167.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Am	lbs
18	0	18	Bentonite Chips	0	18	90	S
14	18	167					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other poured dr & tamped

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	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	1.5	60	.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	From	To	Sern/slot	Slot	# of	Tele/
reen	Liner	Dia			width	length	slots	pipe size

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem Pump depth	Duration (hr)
2,800	2	145	6

Temperature 60 °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 26.00 S N/S Range 30.00 E E/W WM

Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number Lot

Lat 0 0 " or DMS or DD

Long 0 0 " or DMS or DD

☒ Street address of well ☐ Nearest address

29062 Weaver Spring Road

(10) STATIC WATER LEVEL

Date SWL(psi) + SWL(ft)

Existing Well / Predeepening

Completed Well 02-11-2011 104

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
02-11-2011	104	167	3,000		104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sand loam	0	1
Sand cinders	1	6
Clay cinders	6	60
Rock boulders	60	80
Cinders	80	95
Rock basalt black	95	140
Void	140	145
Cinders multi colored	145	160
Rock broken loose and caving	160	167

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Date Started 02-03-2011

Completed 02-11-2011

(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 02-18-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

HARN 51445

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L

104470

Harn
51445

START CARD #

189552

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

(1) LAND OWNER

Owner Well I.D.

First Name

Last Name

Company

Rattle Snake Creek Land XCAT100

Address

524 Hwy 20

City

Hines

State

OR

Zip

97338

(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☐ Injection☐ Thermal☐ Other(5) BORE HOLE CONSTRUCTION Special Standard: ☐ Yes (attach copy)

Depth of Completed Well 280 ft.

BORE HOLE

SEAL

Dia	From	To	Material	From	To	Amount	Secs/lbs
24"	C	35	Grout	C	35	84	
14"	35	280					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E☐ Other

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	Steel	Plastic	Welded	Thrd
X		14"	+	0'	35'	.250	X		X	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____Temporary casing ☐ Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type _____ Material _____

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

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

☒ Pump☐ Bailer☐ Air☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
1000	100'		4 hr

Temperature 50 °F Lab analysis ☐ Yes By _____Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harnoy Twp 25 N or S Range 30 E or W W.M.

Sec 33 NE 1/4 of the NE 1/4 Tax Lot 3700

Tax Map Number _____

Lot _____

Lat _____ " or _____ DMS or DD

Long _____ " or _____ DMS or DD

Street Address of Well (or nearest address) NO A HESS

45519th

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well/Predeepening	2-6-08			92
Completed Well				

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
2-6-08	140	190	1000			92

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	2
Sand gravel	2	23
Black sand stone	23	90
Blam clay	90	140
Pumice & clay	140	190
Tail clay	190	275
Sand gravel	275	280

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WATER RESOURCES DEPT
SALEM, OREGON

OWRD

Date Started 1-27-08 Completed 2-10-08

(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 1654 Date 4-23-08

Signed _____

Contact Info. (optional)

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

HARN 52121

10/27/2014

WELL I.D. LABEL# L 116668
START CARD # 1024513
ORIGINAL LOG #

Page 1 of 1

(1) LAND OWNER

Owner Well I.D. _____
First Name ANDY Last Name ROOT
Company ACW
Address P.O. BOX 326
City BURNS State OR Zip 97720

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Std Plstc Wld Thrd
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 385.00 ft

BORE HOLE			SEAL			sacks/lbs	
Dia	From	To	Material	From	To	Amt	lbs
24	0	54	Bentonite Chips	0	54	61	S
20	54	332					
12	332	385					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other POURED DRY

Backfill placed from 50 ft to 54 ft Material BENTONITE

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	Std	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20	<input checked="" type="checkbox"/>	2	54	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	16	<input checked="" type="checkbox"/>	2.5	332	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>									
<input type="checkbox"/>	<input type="checkbox"/>									

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method Factory

Screens Type		Material					
Perf/	Casing/ Screen	Screen Dia	From	To	Slot width	Slot length	# of slots
Perf	Liner	16	192	332	125	3	8512

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
2500	16	160	8

Temperature 58 °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 25.00 S N/S Range 30.00 E E/W WM
Sec 29 NE 1/4 of the SE 1/4 Tax Lot 2600

Tax Map Number _____ Lot _____

Lat _____ or _____ DMS or DD

Long _____ or _____ DMS or DD

☒ Street address of well ☐ Nearest address

29062 WEAVER SPRINGS LN. BURNS, OR 97720

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration	Date	SWL (psi)	+ SWL (ft)
Completed Well	<u>10/21/2014</u>		<u>92</u>
Flowing Artesian?	<input type="checkbox"/>	Dry Hole?	<input type="checkbox"/>

WATER BEARING ZONES

Depth water was first found 105.00

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
<u>10/23/2014</u>	<u>105</u>	<u>385</u>	<u>3500</u>		<u>92</u>

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	3
Tan Clay and Cinders	3	20
Black sand & Cinders	20	39
Black Cinder Stone Fractured	39	185
Cinder stone w/ grey clay layers	185	218
Broken cinder stone	218	330
Broken Basalt	330	385

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SALEM, OR

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Date Started 10/1/2014 Complete 10/21/2014

(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 1739 Date 10/27/2014

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 10/27/2014

Signed ARTHUR L FRY (E-filed)

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version



Oregon

John A. Kitzhaber, MD, Governor

November 5, 2013

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

Mr. Scott Montgomery
All Points Engineering and Surveying
P. O. Box 767
Terrebonne, OR 97760

12
Re: APPS. G-14136, G-16626 & G-16460; PERMITS G-12841, G-16150 & G-16165; Well-IDs: HARN 51817 (tested well), HARN 1094 (#1), HARN 51146 (#5), HARN 51272 (#7), HARN 1096 (#8) & HARN 51448 (#9)

Dear Scott:

Your letter of October 31, 2013, requested exemption from the pump test requirements for wells HARN 1094, HARN 51146, HARN 51272, HARN 1096 and HARN 51448 based on a pump test of well HARN 51817, which you also provided. I can approve both the request and the pump test. The wells are under the same ownership, develop the same water-bearing zones and are within five miles of each other. If you have any questions, please contact me at (503) 986-0844.

Sincerely,

Michael J. Zwart
Hydrogeologist

cc: Water Rights Files

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All Points Engineering and Surveying, Inc.

P.O. Box 767 (CRR)
Terrebonne, OR 97760
(541) 548-5833 PH
(541) 585-4602 FX
Scott@APEandS.com

October 31, 2013

Attn: Michael Zwart, Hydrogeologist
Oregon Water Resources Department
725 Summer St. NE, Suite A
Salem, OR 97301-1266

SUBJECT: Exemption for Pump Test on Nearby Wells

Dear Mr. Zwart:

I am representing Andy Root, the permit holder of the following ground water permits in Harney County:

- G-12841
- G-16150
- G-16165

The permits have a condition to perform a pump test prior to receiving a certificate. All wells on these permits are within 1 mile from the well tested and owned by the Mr. Root.

I have attached the well reports for all wells involved and final proof maps showing the approximate location of each.

I originally attempted to test Well 1 shown on the permit for G-12841, but had trouble breaking my e-tape inside the casing during pumping, so I've tested another well located close-by that is planned to be added or transferred onto the same water rights once they're certificated.

The tested well is in the SE 1/4 NW 1/4 Section 33, T25S R30E. WM. and along the bottom of the southerly pivot shown in G-12841.

If you have any questions, please don't hesitate to call at 541-548-5833.

Sincerely,

Scott Montgomery
All Points Engineering and Surveying
P.O. Box 767
Terrebonne, OR 97760
scott@apeands.com
PH: 541-548-5833
FAX: 541-585-4602

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Oregon Water Resources Department
PUMP TEST FORM COVER SHEET

Well Owner:

Name: Andy Root
Address: 524 Hwy 20 North
County: Harney
City: Hines State: OR Zip: 97738
Original owner (from well log): _____

Well Location:

Township: 25 S Range: 30 E
Section: 33 $\frac{1}{4}$ SW $\frac{1}{16}$ SE $\frac{1}{64}$ NW
Well depth: 170.0 Date drilled: 10/21/2011
Owners well no. (if any): 12
POD ID: HARN 51817

Water Right Information:

Application: G-14136 Permit: G-12841 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: Scott Montgomery Well Owner? ☐ Yes
Company: All Points Engineering & Surveying
Address: PO Box 767 Date of Test: 10/30/2013
City: Terrebonne State: OR Zip: 97760
Daytime phone: 541-548-5833

Method of discharge measurement (see our brochure for more information): Flow meter
Method of water-level measurement (pick one or enter other method used): Electric tape
Length of air line (if used): _____

Pump type (pick one or enter other method used): Turbine
Was the pump test conducted during normal use of the well? ☐ Yes Note: _____

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: _____
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: _____

Is there a lake, stream or other surface water body within $\frac{1}{4}$ 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: _____ ft Approx. elevation difference: _____ ft

Well elevation is above surface water body

Description of measuring point (e.g. top port of 1 inch port pipe, west side) 1" capped pipe out of E side of casing

Measuring point distance above land surface 2.35 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>9:15 am</u>	<u>95.95</u>	<u>93.60</u>
<u>9:45 am</u>	<u>95.96</u>	<u>93.61</u>
<u>10:15 am</u>	<u>95.95</u>	<u>93.60</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>10:15 am</u>	<u>2,400.00</u>	<u>gpm (gallons per minute)</u>
<u>11:15 am</u>	<u>2,400.00</u>	<u>gpm (gallons per minute)</u>
<u>12:15 pm</u>	<u>2,400.00</u>	<u>gpm (gallons per minute)</u>
<u>1:15 pm</u>	<u>2,400.00</u>	<u>gpm (gallons per minute)</u>
<u>2:15 pm</u>	<u>2,400.00</u>	<u>gpm (gallons per minute)</u>

Time pump turned on: Date 10/30/2013 Time 10:15 am
Time pump turned off: Date 10/30/2013 Time 2:15 pm
Total pumping time: 4 hours 0 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>

OWRD 2/9/2000

Required Signature: 

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Recovery Data

OWRD 2/9/2000

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

11-02-2011

WELL LABEL # L 107659

START CARD # 1015160

(1) LAND OWNER

Owner Well I.D. Leathers Weaver Spr.

First Name

Last Name

Company ACW

Address PO Box 3

City Burns

State 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 170.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
18	0	18	Bentonite Chips	0	18	30	S
14	18	170					

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

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	SH	Piste	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	108	.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	Dia	From	To	Scr/slot	Slot	# of	Tele/
green	Liner					width	length	slots	pipe size

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

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

1,000		170	1
-------	--	-----	---

Temperature 59 °F Lab analysis ☐ Yes ByWater quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units
------	----	-------------	--------	-------

(9) LOCATION OF WELL (legal description)

County Harney Twp 25.00 S N/E Range 30.00 E E/W W/M

Sec 33 SE 1/4 of the NW 1/4 Tax Lot 2600

Tax Map Number Lot

Lat " " or " " DMS or DD

Long " " or " " DMS or DD

☐ Street address of well ☒ Nearest address

29062 Weaver Springs Road

Burns, Or. 97720

(10) STATIC WATER LEVEL

Date SWL (psi) + SWL (ft)

Existing Well / Predeepening

Completed Well 10-21-2011 88

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 88

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
10-21-2011	88	170	1,000		88

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil Sandy Loam	0	2
Clay Sand	2	11
Clay Brown	11	32
Clay Cinders Brown	32	49
Cinders Black	49	165
Rock Basalt Black	165	170

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Date Started 10-18-2011 Completed 10-21-2011

(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 11-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

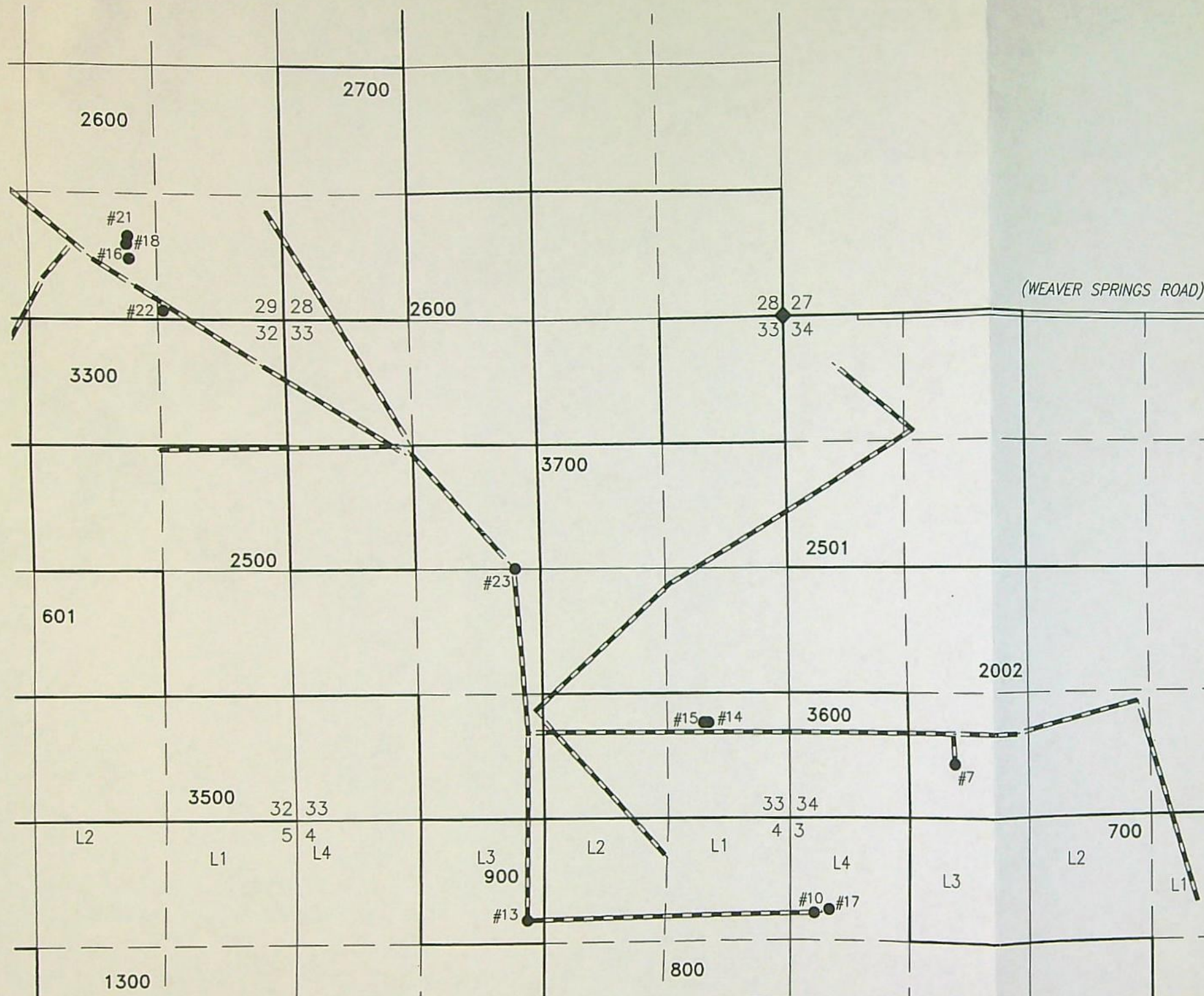
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

1 107659

TRANSFER MAP TO ACCOMPANY APPLICATION TO ADD POINTS OF APPROPRIATION FOR RATTLESNAKE LAND & CATTLE

TAX LOTS 2002, 2500, 2600, & 3600
IN SECTIONS 29, 33, & 34, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M. &
TAX LOTS 800 & 900
IN SECTIONS 3 & 4, TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.
HARNEY COUNTY, OREGON



- #7
WELL #7 (HARN 51272) AUTHORIZED
4725' SOUTH & 1877' EAST FROM THE
NW CORNER SECTION 34.
- #10
WELL #10 (HARN 51765) PROPOSED
6310' SOUTH & 415' EAST FROM THE
NW CORNER SECTION 34.
- #13
WELL #13 (HARN 51445) AUTHORIZED
6415' SOUTH & 2745' WEST FROM THE
NE CORNER SECTION 33.
- #14
WELL #14 (HARN 51871) PROPOSED
4314' SOUTH & 870' WEST FROM THE
NE CORNER SECTION 33.
- #15
WELL #15 (HARN 51970) PROPOSED
4314' SOUTH & 920' WEST FROM THE
NE CORNER SECTION 33.
- #16
WELL #16 (HARN 52121) PROPOSED
635' NORTH & 1605' WEST FROM THE
SE CORNER OF SECTION 29.
- #17
WELL #17 (HARN 52154) PROPOSED
6300' SOUTH & 440' EAST FROM THE
NW CORNER SECTION 34.
- #18
WELL #18 (HARN 52170) PROPOSED
785' NORTH & 1630' WEST FROM THE
SE CORNER OF SECTION 29.
- #21
WELL #21 (HARN 52591) PROPOSED
685' NORTH & 1615' WEST FROM THE
SE CORNER OF SECTION 29.
- #22
WELL #22 (HARN 52590) PROPOSED
90' NORTH & 1265' WEST FROM THE SE
CORNER OF SECTION 29.
- #23
WELL #23 (HARN 52674) PROPOSED
2685' SOUTH & 2910' WEST FROM THE
NE CORNER SECTION 33.

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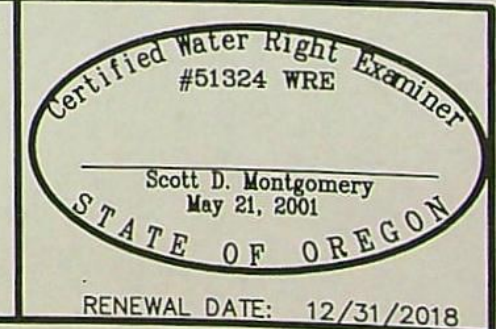
PROJECT No. 18-089

PREPARED AT THE REQUEST OF:
ANDY ROOT
524 HIGHWAY 20 N
HINES, OR 97738

ALL POINTS ENGINEERING
& SURVEYING, INC.



P.O. BOX 767
TERREBONNE, OREGON 97760
(541) 548-5833 PH
Scott@APEandS.com
www.APEandS.com



BURIED 6 OR 8 INCH STEEL PIPE

MEMORANDUM

TO: JUSTIN IVERSON, GROUND WATER SECTION
FROM: CERTIFICATE SECTION – GERRY CLARK
SUBJECT: PUMP TEST FOR APPLICATION G-16983, PERMIT G-17989
DATE: NOVEMBER 27, 2018

The attached pump test was recently received. We have retained the original for the application file.



OREGON
WATER
RESOURCES
DEPARTMENT

PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

0 Authorized

0 Authorized

0 Authorized

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)):

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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 # (Ex: MARI 99999)	WELL TAG #	OWNER WELL NAME OR #	TEST DATE	APPLICATION	PERMIT	TRANSFER	CERTIFICATE
HARN 51817	L-107659	Andy Root	10/30/2013	G- 14136	G-12841		

(CONTINUED)

TWP (Ex: 25S)	RNG (Ex: 31E)	SEC (Ex: 12)	QQ (Ex: SE/SW)	SURVEYED LOCATION (Ex: 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (Ex: 44.94473859)	LONGITUDE (Ex: -123.02787000)
25S	30E	33	WM	2690'S & 2890'W from NE cor sec 33	43 21'35.3 N	119 07'46.0W

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 # (Ex: MARI 99999)	WELL TAG # (Ex: L-999999)	OWNER WELL NAME OR #	APPLICATION	PERMIT	TRANSFER
#7	HARN 51272	L72702	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#12	HARN 51817	L107659	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638

(CONTINUED)

	TWP (Ex: 25S)	RNG (Ex: 31E)	SEC (Ex: 12)	QQ (Ex: SE/SW)	SURVEYED LOCATION (Ex: 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (Ex: 44.94473859)	LONGITUDE (Ex: -123.02787000)
#7	25S	30E	34	SE NW	4725' S & 1877' E fr NW cor, Sec 34	43 21'15.1"N	119 06'41.7"W
#12	25S	30E	33	SW NE	2690' S & 2890' W fr NE cor, Sec 33	43 21'35.3 N	119 07'46.0 W

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.

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:

DATE:

11/20/2018

LICENSE #:

81321

Mailing List for Final Certificate

Application: G-16983

Permit: G-17989

Certificate: 95740

Permit/Certificate Holder:

CHARLES W EGGERT
LOUANNA EGGERT
18555 SW TETON AVE
TUALATIN OR 97062

NORTHWEST FARM CREDIT SERVICES FLCA
650 HAWTHORNE AVE SE SUITE 210
SALEM OR 97301

Is the Permit Holder(s) of record currently identified as a landowner of any tax lots involved as confirmed by the County records? YES- SILVER SAGE FARMS, LLC (EGGERT IS A MEMBER)

Copies of Final Certificate to be sent to:

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

Other persons to receive copies: (include map):

1. SCOTT MONTGOMERY, CWRE

Copies Mailed

by: TM
(STAFF)

on: 9/17/2021
(DATE)



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: SEP 17 2021

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 Codi Holmes at 503-979-3814.

STATE OF OREGON

COUNTY OF HARNEY

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CHARLES W EGGERT
LOUANNA EGGERT
18555 SW TETON AVE
TUALATIN OR 97062

NORTHWEST FARM CREDIT SERVICES FLCA
650 HAWTHORNE AVE SE SUITE 210
SALEM OR 97301

confirms the right to the use of water perfected under the terms of Permit G-17989. 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-16983

SOURCE OF WATER: TEN WELLS IN HARNEY LAKE BASIN

PURPOSE or USE: IRRIGATION OF 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND (CFS); IN ANY COMBINATION BETWEEN THE WELLS,
FURTHER LIMITED TO THE RATE OF EACH WELL AS LISTED BELOW:

WELL #7	0.87 CFS
WELL #10	2.36 CFS
WELL #11	5.00 CFS
WELL #12	5.00 CFS
WELL #13	1.50 CFS
WELL #14	2.24 CFS
WELL #15	3.81 CFS
WELL #16	0.89 CFS
WELL #17	5.00 CFS
WELL #18	2.03 CFS

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

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.

The wells are located as follows:

ORIGINAL WELL							
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distance	Owner Well #
25 S	30 E	WM	34	SE SW		HARN 51272 – 4725 FEET SOUTH AND 1877 FEET EAST FROM NW CORNER, SECTION 34	7

ADDITIONAL WELLS							
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances	Owner Well #
25 S	30 E	WM	29	SW SE		HARN 52121 – 635 FEET NORTH AND 1605 FEET WEST FROM SE CORNER, SECTION 29	16
25 S	30 E	WM	29	SW SE		HARN 52170 – 785 FEET NORTH AND 1630 FEET WEST FROM SE CORNER, SECTION 29	18
25 S	30 E	WM	33	SE NW		HARN 51817 – 2690 FEET SOUTH AND 2890 FEET WEST FROM NE CORNER, SECTION 33	12
25 S	30 E	WM	33	SE SE		HARN 51871 – 4314 FEET SOUTH AND 870 FEET WEST FROM NE CORNER, SECTION 33	14
25 S	30 E	WM	33	SE SE		HARN 51970 – 4314 FEET SOUTH AND 920 FEET WEST FROM NE CORNER, SECTION 33	15
26 S	30 E	WM	03	NW NW	4	HARN 51765 – 6310 FEET SOUTH AND 415 FEET EAST FROM NW CORNER, SECTION 34, TOWNSHIP 25S RANGE 30E	10
26 S	30 E	WM	03	NW NW	4	HARN 51760 – 6340 FEET SOUTH AND 330 FEET EAST FROM NW CORNER, SECTION 34, TOWNSHIP 25S RANGE 30E	11
26 S	30 E	WM	03	NW NW	4	HARN 52154 – 6300 FEET SOUTH AND 440 FEET EAST FROM NW CORNER, SECTION 34, TOWNSHIP 25S RANGE 30E	17
26 S	30 E	WM	04	NE NW	3	HARN 51445 – 6415 FEET SOUTH AND 2745 FEET WEST FROM NE CORNER, SECTION 33, TOWNSHIP 25S RANGE 30E	13

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 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:

Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
25 S	30 E	WM	32	NE SE		36.5
25 S	30 E	WM	32	NW SE		14.5
25 S	30 E	WM	32	SW SE		8.7
25 S	30 E	WM	32	SE SE		24.3
25 S	30 E	WM	33	NE SW		30.2
25 S	30 E	WM	33	NW SW		31.2
25 S	30 E	WM	33	SW SW		26.7
25 S	30 E	WM	33	SE SW		27.0
26 S	30 E	WM	4	NE NW	3	35.9
26 S	30 E	WM	4	NW NW	4	25.7
26 S	30 E	WM	4	SW NW		16.1
26 S	30 E	WM	4	SE NW		13.6
26 S	30 E	WM	4	NW SW		20.1
26 S	30 E	WM	4	SW SW		5.5

Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
26 S	30 E	WM	5	NE NE	1	5.5
26 S	30 E	WM	5	SE NE		15.1
26 S	30 E	WM	5	NE SE		24.3
26 S	30 E	WM	5	SE SE		38.1
26 S	30 E	WM	8	NE NE		1.0

Measurement, recording, and reporting conditions:

- A. The water user shall maintain, in good working order, a totalizing flow meter or other suitable measuring device as approved by the Director 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 any meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The 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 available at the old points of appropriation located as follows:

ORIGINAL WELLS							
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances	Owner Well Number
25 S	30 E	WM	32	NE SE		400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32	
25 S	30 E	WM	33	SE SW		400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33	
25 S	30 E	WM	34	SE SW		HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM NW CORNER, SECTION 34	7

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the right. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The water user shall report annual March static water-level measurements whether or not the well is used. The reference level against which future measurements will be compared is 114.6 feet below ground surface for Well #7 (HARN 51272). The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for

five consecutive years; or

- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or 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 causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this right. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

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

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

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

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

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet state or federal water quality standards due to reduced flows.

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

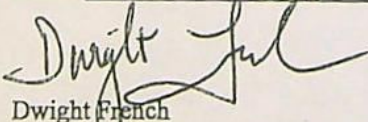
The Director may require water level or pump test results every ten years.

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.

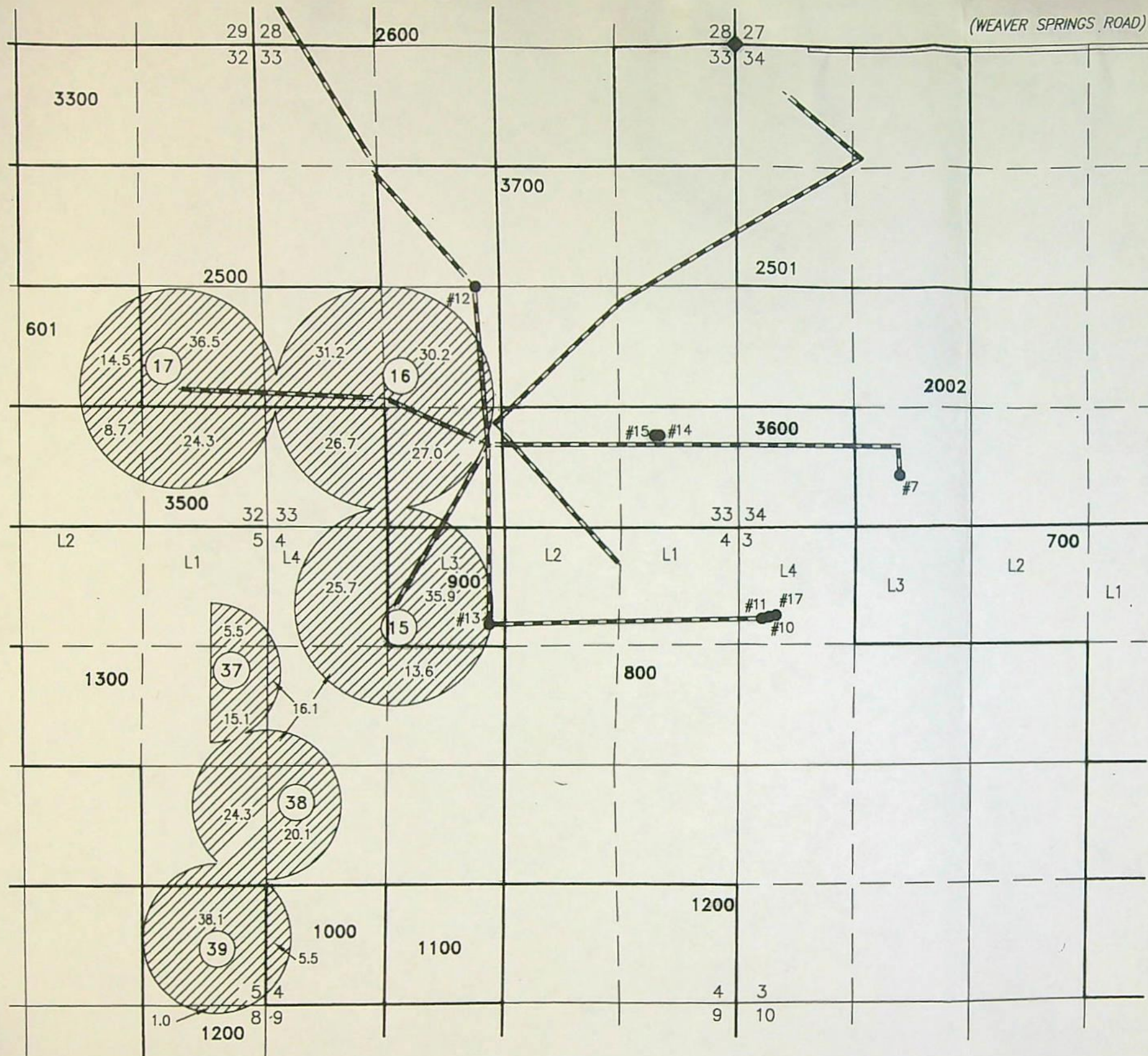
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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

Issued SEP 17 2021



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



FINAL PROOF MAP

TO ADD POINTS OF APPROPRIATION
FOR PERMIT APPLICATION G-16983

SECTIONS 32 & 33, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.
TAX LOT: 601, 2500 & 3500 &

SECTIONS 4 & 5 TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.
TAX LOTS: 900, 1000, & 1300

- #7
WELL #7 (HARN 51272) LOCATED
4725' SOUTH & 1877' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 6 FEET SW FROM WELL.
- #10
WELL #10 (HARN 51765) LOCATED
6310' SOUTH & 415' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 7 FEET SOUTH FROM WELL.
- #11
WELL #11 (HARN 51760) LOCATED 6340'
SOUTH & 330' EAST FROM THE NW
CORNER SECTION 34. FLOW METER IS
LOCATED 7 FEET SOUTH FROM WELL.
- #12
WELL #12 (HARN 51817) LOCATED
2690' SOUTH & 2890' WEST FROM THE
NE CORNER SECTION 33. FLOW METER
IS LOCATED 6 FEET WEST FROM WELL.
- #13
WELL #13 (HARN 51445) LOCATED
6415' SOUTH & 2745' WEST FROM THE
NE CORNER SECTION 33. FLOW METER
IS LOCATED 6 FEET NORTH FROM WELL.
- #14
WELL #14 (HARN 51871) LOCATED
4314' SOUTH & 870' WEST FROM THE
NE CORNER SECTION 33. FLOW METER
IS LOCATED 6 FEET SOUTH FROM WELL.
- #15
WELL #15 (HARN 51970) LOCATED
4314' SOUTH & 920' WEST FROM THE
NE CORNER SECTION 33. FLOW METER
IS LOCATED 7 FEET SOUTH FROM WELL.
- #16
WELL #16 (HARN 52121) LOCATED
635' NORTH & 1605' WEST FROM THE SE
CORNER OF SECTION 29. FLOW METER IS
LOCATED 6 FEET SOUTH FROM WELL.
- #17
WELL #17 (HARN 52154) LOCATED
6300' SOUTH & 440' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 7 FEET WEST FROM WELL.
- #18
WELL #18 (HARN 52170) LOCATED
785' NORTH & 1630' WEST FROM THE
SE CORNER OF SECTION 29. FLOW
METER IS LOCATED 6 FEET EAST FROM
WELL.

BURIED 6 OR 8 INCH STEEL PIPE

1 OWNER'S PIVOT NUMBER

400.0 ACRES 'IR' FROM PERMIT
APPLICATION G-16983, AS SHOWN.

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

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RENEWAL DATE: 12/31/2018

PREPARED FOR:

ANDY ROOT
524 HWY 20N
HINES, OR 97738

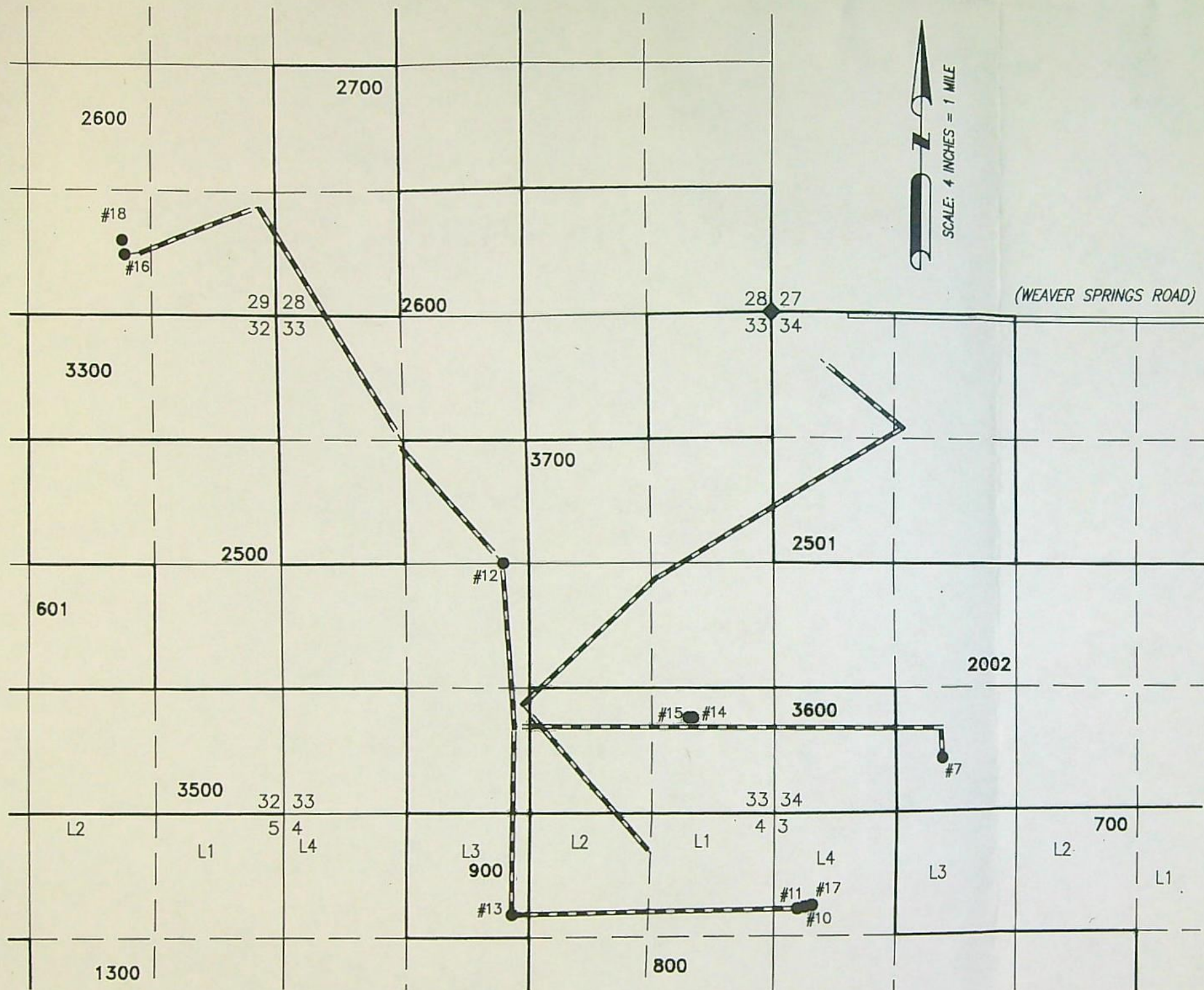
PREPARED BY:



ALL POINTS ENGINEERING AND SURVEYING, INC.
P.O. BOX 767
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TERREBONNE, OR 97760
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1155
(1 of 2)

1155 (1 of 2)



FINAL PROOF MAP

TO ADD POINTS OF APPROPRIATION
FOR PERMIT APPLICATION G-17452

SECTION 34, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

TAX LOT: 2002 &

SECTIONS 3, 4, 9, & 10 TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

TAX LOTS: 700, 800, & 1200

- #7
WELL #7 (HARN 51272) LOCATED
4725' SOUTH & 1877' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 6 FEET SW FROM WELL.
- #10
WELL #10 (HARN 51765) LOCATED
6310' SOUTH & 415' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 7 FEET SOUTH FROM WELL.
- #11
WELL #11 (HARN 51760) LOCATED 6340'
SOUTH & 330' EAST FROM THE NW
CORNER SECTION 34. FLOW METER IS
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- #12
WELL #12 (HARN 51817) LOCATED
2690' SOUTH & 2890' WEST FROM THE
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IS LOCATED 6 FEET WEST FROM WELL.
- #13
WELL #13 (HARN 51445) LOCATED
6415' SOUTH & 2745' WEST FROM THE
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- #14
WELL #14 (HARN 51871) LOCATED
4314' SOUTH & 870' WEST FROM THE
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IS LOCATED 6 FEET SOUTH FROM WELL.
- #15
WELL #15 (HARN 51970) LOCATED
4314' SOUTH & 920' WEST FROM THE
NE CORNER SECTION 33. FLOW METER
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- #16
WELL #16 (HARN 52121) LOCATED
635' NORTH & 1805' WEST FROM THE SE
CORNER OF SECTION 29. FLOW METER IS
LOCATED 6 FEET SOUTH FROM WELL.
- #17
WELL #17 (HARN 52154) LOCATED
6300' SOUTH & 440' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 7 FEET WEST FROM WELL.
- #18
WELL #18 (HARN 52170) LOCATED
785' NORTH & 1630' WEST FROM THE
SE CORNER OF SECTION 29. FLOW
METER IS LOCATED 6 FEET EAST FROM
WELL.

— BURIED 6 OR 8 INCH STEEL PIPE —

1 OWNER'S PIVOT NUMBER

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

RECEIVED

NOV 26 2018

OWRD



RENEWAL DATE: 12/31/2018

PREPARED FOR:

ANDY ROOT
524 HWY 20N
HINES, OR 97738

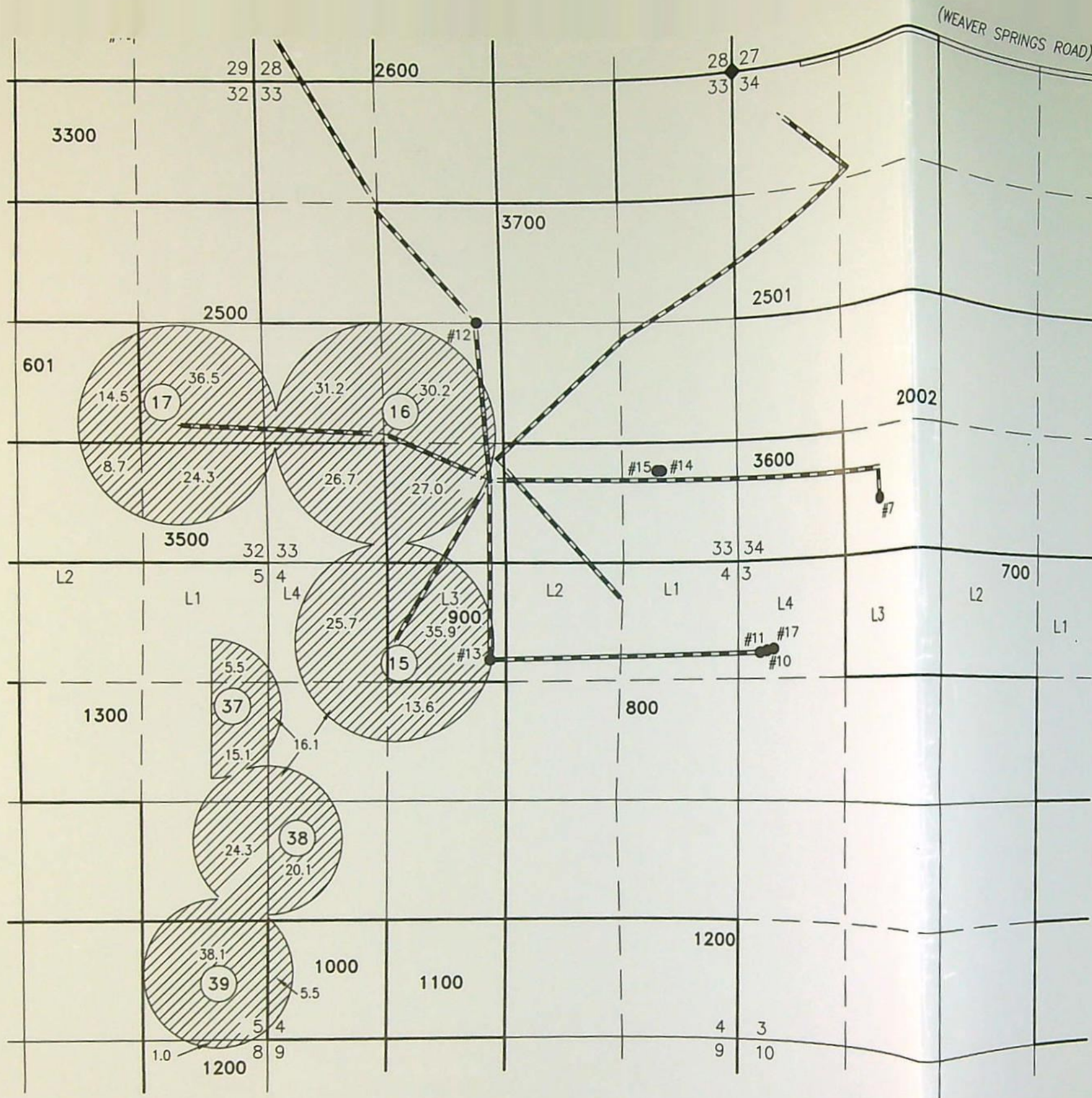
PREPARED BY:



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P.O. BOX 767 TERREBONNE, OR 97760
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1155
(2 of 2)

1155 (2 of 2)



FINAL PROOF MAP

TO ADD POINTS OF APPROPRIATION
FOR PERMIT APPLICATION G-16983

SECTIONS 32 & 33, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.
TAX LOT: 601, 2500 & 3500 &
SECTIONS 4 & 5 TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.
TAX LOTS: 900, 1000, & 1300

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WELL #7 (HARN 51272) LOCATED
4725' SOUTH & 1877' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 6 FEET SW FROM WELL.
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WELL #10 (HARN 51765) LOCATED
6310' SOUTH & 415' EAST FROM THE
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WELL #11 (HARN 51760) LOCATED 6340'
SOUTH & 330' EAST FROM THE NW
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- #12
WELL #12 (HARN 51817) LOCATED
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NE CORNER SECTION 33. FLOW METER
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WELL #13 (HARN 51445) LOCATED
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WELL #16 (HARN 52121) LOCATED
635' NORTH & 1605' WEST FROM THE SE
CORNER OF SECTION 29. FLOW METER IS
LOCATED 6 FEET SOUTH FROM WELL.
- #17
WELL #17 (HARN 52154) LOCATED
6300' SOUTH & 440' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 7 FEET WEST FROM WELL.
- #18
WELL #18 (HARN 52170) LOCATED
785' NORTH & 1630' WEST FROM THE
SE CORNER OF SECTION 29. FLOW
METER IS LOCATED 6 FEET EAST FROM
WELL.

1 OWNER'S PIVOT NUMBER

BURIED 6 OR 8 INCH STEEL PIPE

400.0 ACRES 'IR' FROM PERMIT
APPLICATION G-16983, AS SHOWN.

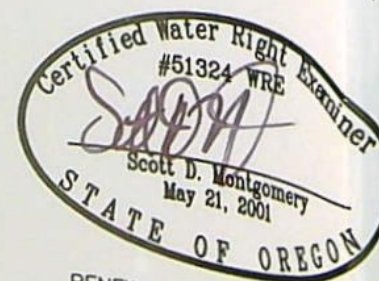
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RECEIVED

NOV 26 2018

OWRD

COBU MAP# 1155
(1042)



RENEWAL DATE: 12/31/2018

PREPARED FOR:

ANDY ROOT
524 HWY 20N
HINES, OR 97738

PREPARED BY:



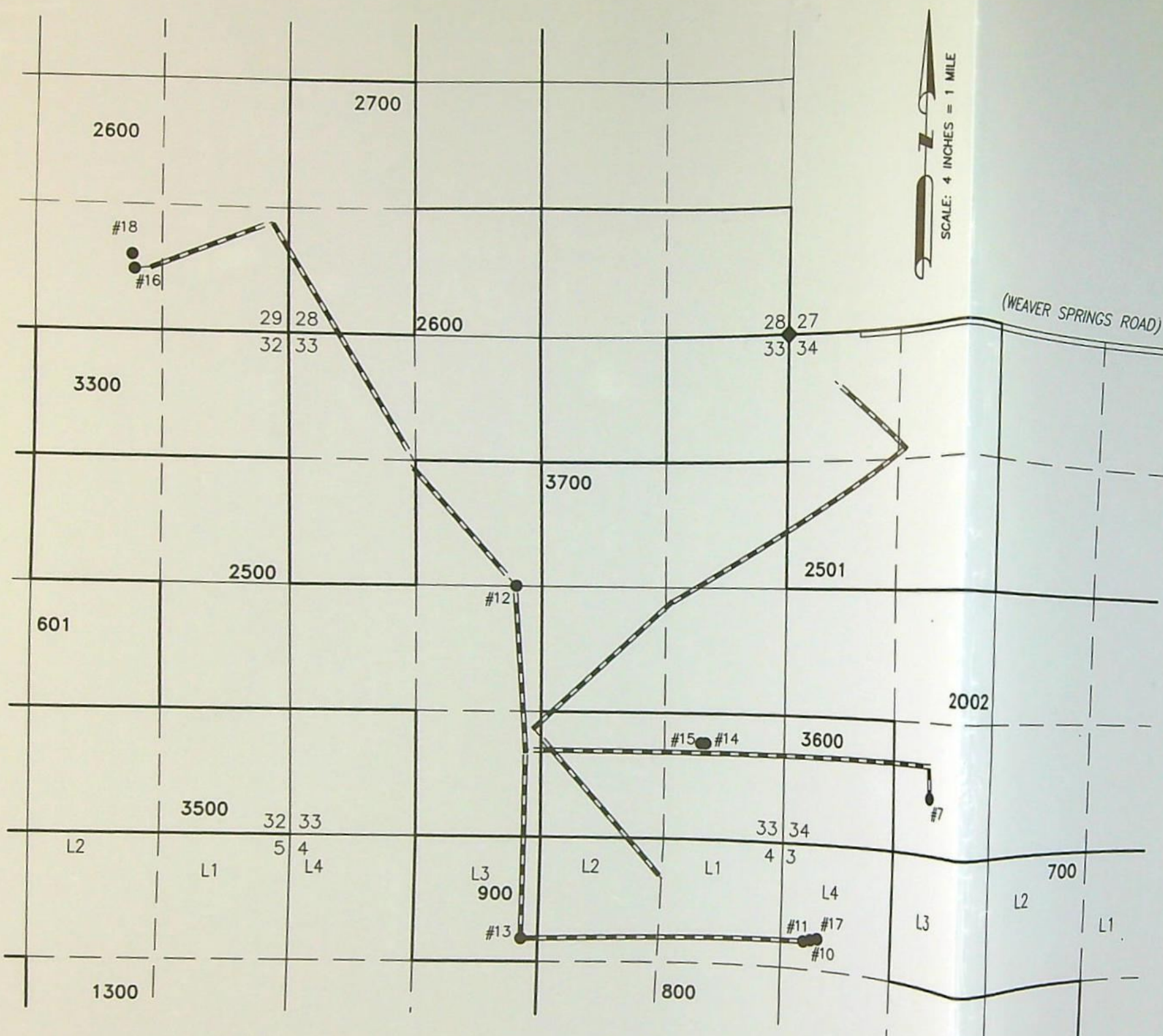
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1155 (1042)

FINAL PROOF MAP

TO ADD POINTS OF APPROPRIATION
FOR PERMIT APPLICATION G-17452

SECTION 34, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.
TAX LOT: 2002 &
SECTIONS 3, 4, 9, & 10 TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.
TAX LOTS: 700, 800, & 1200



- #7
WELL #7 (HARN 51272) LOCATED
4725' SOUTH & 1877' EAST FROM THE
NW CORNER SECTION 34. FLOW METER
IS LOCATED 6 FEET SW FROM WELL.
- #10
WELL #10 (HARN 51765) LOCATED
6310' SOUTH & 415' EAST FROM THE
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BURIED 6 OR 8 INCH STEEL PIPE

1 OWNER'S PIVOT NUMBER

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

COBU MAP # 1155
(2 of 2)

RECEIVED
NOV 26 2018
OWRD

Certified Water Right Examiner
#51324 WRE
Scott D. Montgomery
May 21, 2001
STATE OF OREGON
RENEWAL DATE: 12/31/2018

<p>PREPARED FOR:</p> <p>ANDY ROOT 524 HWY 20N HINES, OR 97738</p>	<p>PREPARED BY:</p> <p>ALL POINTS ENGINEERING AND SURVEYING, INC. P.O. BOX 767 (541) 548-5833 TERREBONNE, OR 97760 www.APEandS.com</p>
---	--

1155 (2 of 2)

Mailing List for Proposed Certificate

Application: G-16983

Permit: G-17989

Certificate:

Permit/Certificate Holder:

CHARLES W EGGERT
LOUANNA EGGERT
18555 SW TETON AVE
TUALATIN OR 97062

NORTHWEST FARM CREDIT SERVICES FLCA
650 HAWTHORNE AVE SE SUITE 210
SALEM OR 97301

Is the Permit Holder(s) of record currently identified as a landowner of any tax lots involved as confirmed by the County records? **YES- SILVER SAGE FARMS, LLC (EGGERT IS A MEMBER)**

Copies of Proposed Certificate to be sent to:

1. Watermaster District #: 10
2. File

Other persons to receive copies: (include map):

1. SCOTT MONTGOMERY, CWRE

Copies Mailed

by: TM
(STAFF)

on: 4/9/2021
(DATE)

95740



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 09 2021

NOTICE

Reference: Application G-16983 Permit G-17989

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 these proposals. 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 questions please contact Codi Holmes via email at codi.n.holmes@oregon.gov at 503-986-0888. Please note, that during COVID-19, the best way to reach me is by email.

Sincerely,

Dwight French
Water Right Services Administrator

STATE OF OREGON

COUNTY OF HARNEY

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CHARLES W EGGERT
LOUANNA EGGERT
18555 SW TETON AVE
TUALATIN OR 97062

NORTHWEST FARM CREDIT SERVICES FLCA
650 HAWTHORNE AVE SE SUITE 210
SALEM OR 97301

confirms the right to the use of water perfected under the terms of Permit G-17989. 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-16983

SOURCE OF WATER: TEN WELLS IN HARNEY LAKE BASIN

PURPOSE or USE: IRRIGATION OF 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND (CFS); IN ANY COMBINATION BETWEEN THE WELLS,
FURTHER LIMITED TO THE RATE OF EACH WELL AS LISTED BELOW:

WELL #7	0.87 CFS
WELL #10	2.36 CFS
WELL #11	5.00 CFS
WELL #12	5.00 CFS
WELL #13	1.50 CFS
WELL #14	2.24 CFS
WELL #15	3.81 CFS
WELL #16	0.89 CFS
WELL #17	5.00 CFS
WELL #18	2.03 CFS

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

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.

The wells are located as follows:

ORIGINAL WELL							
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distance	Owner Well Number
25 S	30 E	WM	34	SE SW		HARN 51272 – 4725 FEET SOUTH AND 1877 FEET EAST FROM NW CORNER, SECTION 34	7

ADDITIONAL WELLS							
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances	Owner Well Number
25 S	30 E	WM	29	SW SE		HARN 52121 – 635 FEET NORTH AND 1605 FEET WEST FROM SE CORNER, SECTION 29	16
25 S	30 E	WM	29	SW SE		HARN 52170 – 785 FEET NORTH AND 1630 FEET WEST FROM SE CORNER, SECTION 29	18
25 S	30 E	WM	33	SE NW		HARN 51817 – 2690 FEET SOUTH AND 2890 FEET WEST FROM NE CORNER, SECTION 33	12
25 S	30 E	WM	33	SE SE		HARN 51871 – 4314 FEET SOUTH AND 870 FEET WEST FROM NE CORNER, SECTION 33	14
25 S	30 E	WM	33	SE SE		HARN 51970 – 4314 FEET SOUTH AND 920 FEET WEST FROM NE CORNER, SECTION 33	15
26 S	30 E	WM	03	NW NW	4	HARN 51765 – 6310 FEET SOUTH AND 415 FEET EAST FROM NW CORNER, SECTION 34	10
26 S	30 E	WM	03	NW NW	4	HARN 51760 – 6340 FEET SOUTH AND 330 FEET EAST FROM NW CORNER, SECTION 34	11
26 S	30 E	WM	03	NW NW	4	HARN 52154 – 6300 FEET SOUTH AND 440 FEET EAST FROM NW CORNER, SECTION 34	17
26 S	30 E	WM	04	NE NW	3	HARN 51445 – 6415 FEET SOUTH AND 2745 FEET WEST FROM NE CORNER, SECTION 33	13

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 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:

Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
25 S	30 E	WM	32	NE SE		36.5
25 S	30 E	WM	32	NW SE		14.5
25 S	30 E	WM	32	SW SE		8.7
25 S	30 E	WM	32	SE SE		24.3
25 S	30 E	WM	33	NE SW		30.2
25 S	30 E	WM	33	NW SW		31.2
25 S	30 E	WM	33	SW SW		26.7
25 S	30 E	WM	33	SE SW		27.0
26 S	30 E	WM	4	NE NW	3	35.9
26 S	30 E	WM	4	NW NW	4	25.7
26 S	30 E	WM	4	SW NW		16.1
26 S	30 E	WM	4	SE NW		13.6
26 S	30 E	WM	4	NW SW		20.1
26 S	30 E	WM	4	SW SW		5.5
26 S	30 E	WM	5	NE NE	1	5.5
26 S	30 E	WM	5	SE NE		15.1

Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
26 S	30 E	WM	5	NE SE		24.3
26 S	30 E	WM	5	SE SE		38.1
26 S	30 E	WM	8	NE NE		1.0

Measurement, recording, and reporting conditions:

- A. The water user shall maintain, in good working order, a totalizing flow meter or other suitable measuring device as approved by the Director 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 any meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The 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 available at the old points of appropriation located as follows:

ORIGINAL WELLS							
Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances	Owner Well Number
25 S	30 E	WM	32	NE SE		400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32	
25 S	30 E	WM	33	SE SW		400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33	
25 S	30 E	WM	34	SE SW		HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM NW CORNER, SECTION 34	7

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the right. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The water user shall report annual March static water-level measurements whether or not the well is used. The reference level against which future measurements will be compared is 114.6 feet below ground surface for Well #7 (HARN 51272). The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or

- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or 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 causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this right. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

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

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

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

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

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet state or federal water quality standards due to reduced flows.

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

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

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

Issued _____.

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



MEMO -Proof to Satisfaction (March 17, 2014)

Application # <u>G 16983</u>	Permit # <u>G 17989</u>	Transfer #
WRD Reviewer <u>C. Holmes</u>	Date <u>2-10-2020</u>	
WRD Peer Reviewer	Date	

Research

13 WELLS

12P-400-ORC

5-OCFS

G-16461

↓
T-12257 Δ POA POU

↓
G-17989 10/2/2018

- ☐ Organize file in chronological order
- ☒ Pull CBU Report & Map(s), Application Map, relevant Permit, Certificate, or Transfer Order, most recent Assignments Eggert + NW FARM CREDIT
- ☒ Extension Orders SWL Measurements, Fish Screen Certification Documents, Water Use Reports & Pump Tests Ext 10/1/2019
- ☒ 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: N/A & 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
- If there is a new owner, Add to Mailing List, including the owner(s) name & tax lot number
- ☒ Print Plateard & check for Place of Use Conflict? ☒ No ☐ Yes
If "Yes", provide copy of certificate & relevant map
- ☒ ~~BLM~~ BLM Cadastral Survey - check 3/17/20
- ☒ 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

N/A Fish Conditions

#7 10-18 18-680fs
400 ORC

YES Meter/measuring device - TFM 2013, 2015, 2017

YES Water Use Reporting - SHAW

YES Pump Test (post December 19, 1988) 12/28/18

N/A Other Conditions _____

YES SWL - MAP ANNUAL

OK C-Date 4/3/2014 ext Oct. 1209

OK Run Capacity Calculator and Print Findings (for pump, sprinklers, pipes, ditches, as appropriate)
attached

NOTES:

SWL = well #1 only not identifier. on well 1 or 2 to establish a static water level.

Determination

____ I've determined that the permit/transfer was fully developed as authorized and that a **FINAL** Certificate should be issued.

X 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):
not all wells developed; fully rate and acres developed

____ 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

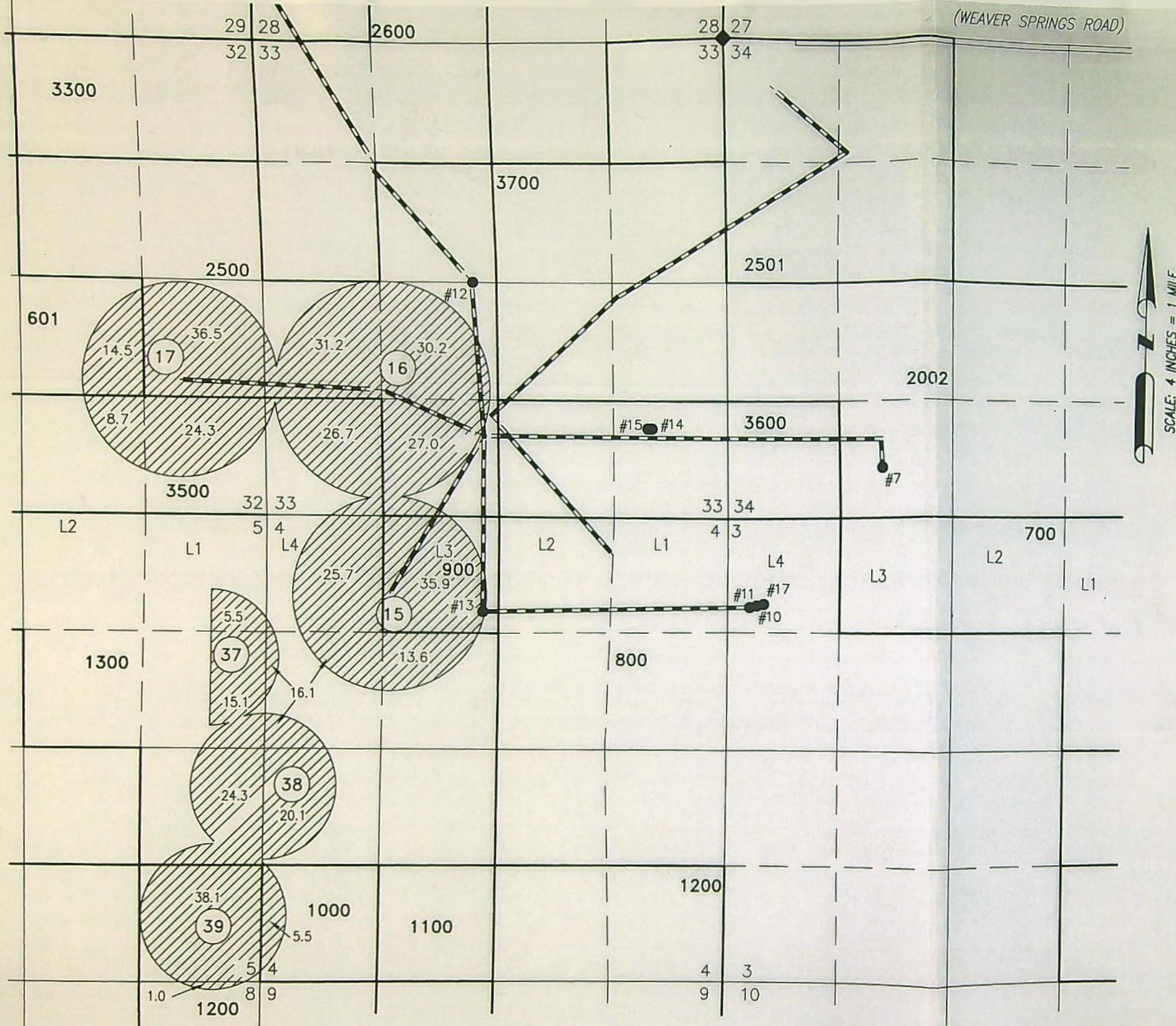
Stamp PROPOSED or Assign CERT# _____ or ORDER OF CERTIFICATION (circle one)

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:



FINAL PROOF MAP

TO ADD POINTS OF APPROPRIATION
FOR PERMIT APPLICATION G-16983

SECTIONS 32 & 33, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

TAX LOT: 601, 2500 & 3500 &

SECTIONS 4 & 5 TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

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APPLICATION G-16983, AS SHOWN.

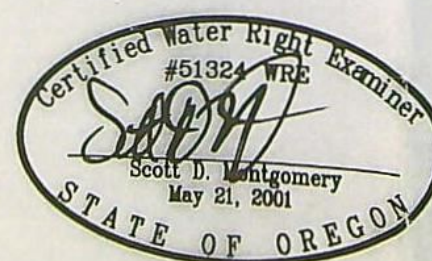
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COBU MAP# 1155
(1 of 2)



RENEWAL DATE: 12/31/2018

PREPARED FOR:

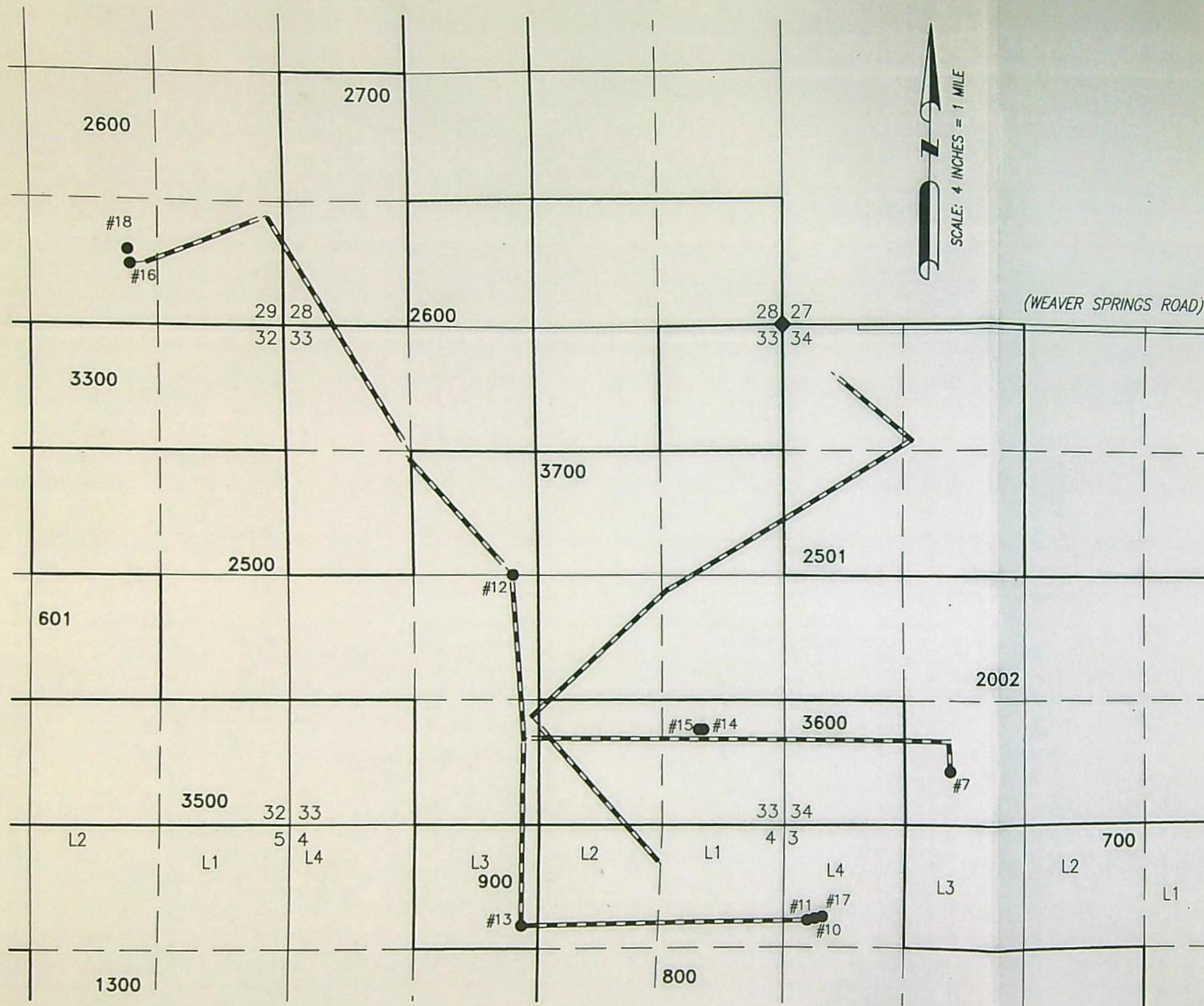
ANDY ROOT
524 HWY 20N
HINES, OR 97738

PREPARED BY:



ALL POINTS ENGINEERING AND SURVEYING, INC.
P.O. BOX 767
(541) 548-5833
TERREBONNE, OR 97760
www.APEandS.com

1155 (1 of 2)



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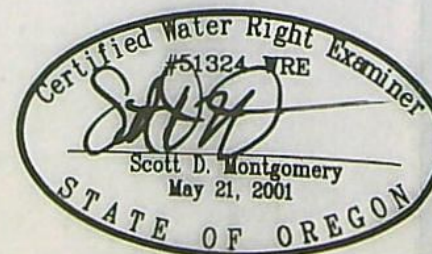
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RENEWAL DATE: 12/31/2018

PREPARED FOR:

ANDY ROOT
524 HWY 20N
HINES, OR 97738

PREPARED BY:



ALL POINTS ENGINEERING AND SURVEYING, INC.
P.O. BOX 767 TERREBONNE, OR 97760
(541) 548-5833 www.APEandS.com

1155 (2 of 2)

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 additional points of appropriation changes in points of appropriation and a change in place of use proposed under Permit Amendment Application T-12257 and approved by Special Order Vol. 109, Page 539, entered OCT 08 2018, and to describe an extension of time for complete application of water approved December 19, 2014. This permit supersedes Permit G-16461.

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

APPLICATION FILE NUMBER: G-16983

SOURCE OF WATER: ^{TEN} ~~THIRTEEN~~ WELLS IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

**original well 1 & well 2 not developed, nologid*

POA	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
#1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
#5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
<i>0.84</i> #7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34 <i>#3</i>
#9	25 S	30 E	WM	33	SE SW	HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
<i>2.36</i> #10	26 S	30 E	WM	3	NW NW	HARN 51765 - 6310 FEET SOUTH AND 415 FEET EAST FROM THE NW CORNER OF SECTION 34
<i>5.84</i> #11	26 S	30 E	WM	3	NW NW	HARN 51760 - 6340 FEET SOUTH AND 330 FEET EAST FROM THE NW CORNER OF SECTION 34

Application G-16983/T-12257

Water Resources Department

PERMIT G-17989

	POA	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
5.84	#12	25 S	30 E	WM	33	SE NW	HARN 51817 -2690 FEET SOUTH AND 2890 FEET WEST FROM THE NE CORNER OF SECTION 33
1.5	#13	26 S	30 E	WM	4	NE NW	HARN 51445 -6415 FEET SOUTH AND 2745 FEET WEST FROM THE NE CORNER OF SECTION 33
2.24	#14	25 S	30 E	WM	33	SE SE	HARN 51871 -4314 FEET SOUTH AND 870 FEET WEST FROM THE NE CORNER OF SECTION 33
3.01	#15	25 S	30 E	WM	33	SE SE	HARN 51970- 4314 FEET SOUTH AND 920 FEET WEST FROM THE NE CORNER OF SECTION 33
0.89	#16	25 S	30 E	WM	29	SE SE	HARN 52121- 1200 FEET NORTH AND 900 FEET WEST FORM THE SE CORNER OF SECTION 29
5.01	#17	26 S	30 E	WM	3	NW NW	HARN 52154- 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
2.03	#18	25 S	30 E	WM	29	SE SE	HARN 52170- 1200 FEET NORTH AND 850 FEET WEST FROM THE SE CORNER OF SECTION 29

*Indicates an original point of Appropriation

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
25 S	30 E	WM	32	NE SE		36.5
25 S	30 E	WM	32	NW SE		14.5
25 S	30 E	WM	32	SW SE		8.7
25 S	30 E	WM	32	SE SE		24.3
25 S	30 E	WM	33	NE SW		30.2
25 S	30 E	WM	33	NW SW		31.2
25 S	30 E	WM	33	SW SW		26.7
25 S	30 E	WM	33	SE SW		27.0
26 S	30 E	WM	4	NE NW	3	35.9
26 S	30 E	WM	4	NW NW	4	25.7
26 S	30 E	WM	4	SW NW		16.1
26 S	30 E	WM	4	SE NW		13.6
26 S	30 E	WM	4	NW SW		20.1
26 S	30 E	WM	4	SW SW		5.5
26 S	30 E	WM	5	NE NE	1	5.5
26 S	30 E	WM	5	SE NE		15.1
26 S	30 E	WM	5	NE SE		24.3
26 S	30 E	WM	5	SE SE		38.1
26 S	30 E	WM	8	NE NE		1.0
Total:						400.0

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 and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

T-12257 Permit Amendment Conditions:

Before water use may begin, the water user shall

- a) Install a totalizing flow meter, or other suitable measuring device, at each point of appropriation.
- b) The water user shall maintain the meters of 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 are located within a private structure, the Watermaster shall request access upon reasonable notice.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and

- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the permittee shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

Extension of Time Conditions

Checkpoint Condition:

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2018.

- 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 537.25;

YES
10/5/2018
DN 10/9/2018

- 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.

STANDARD CONDITIONS

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.

~~If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.~~

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

The well(s) 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.

~~If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy, OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR Chapter 635, Division 415, Section 030 adopted November 13, 1991 shall be followed.~~

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

LTR
12/18/2018
Approved

~~Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.~~

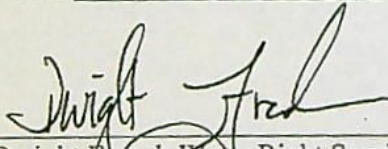
This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

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.

Completion of construction and application has been extended through an application of extension of time and is October 1, 2019. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued OCT 08 2018



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

Permit G-16461
Signed 4/3/2009
C-date 5 yrs
4/3/2014

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

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

APPLICATION FILE NUMBER: G-16983

SOURCE OF WATER: WELL 1, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

WELL LOCATIONS:

WELL 1: NESE, SECTION 32, T25S, R30E, W.M.; 400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32

NOT DEVELOPED

WELL 2: SESW, SECTION 33, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33

NOT DEVELOPED

WELL 3: SESW, SECTION 34, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET EAST FROM SW CORNER, SESW, SECTION 34

WELL #7

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 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 ¼ SE ¼ 40.0 ACRES

NW ¼ SE ¼ 40.0 ACRES

SW ¼ SE ¼ 40.0 ACRES

SE ¼ SE ¼ 40.0 ACRES

SECTION 32

NE ¼ SW ¼ 40.0 ACRES
NW ¼ SW ¼ 40.0 ACRES
SW ¼ SW ¼ 40.0 ACRES
SE ¼ SW ¼ 40.0 ACRES

SECTION 33

TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

GOV'T LOT 3 (4), NE ¼ NW ¼ 40.0 ACRES
GOV'T LOT 4 (4), NW ¼ NW ¼ 40.0 ACRES

SECTION 4

TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction

Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the permittee shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

The well(s) 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.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR Chapter 635, Division 415, Section 030 adopted November 13, 1991 shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

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.

Completion of construction and application of the water shall be made within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued APRIL 3, 2009

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

Oregon Water Resources Department
Water Right Services Division

Water Rights Application
Number G-16983

FINAL ORDER

Extension of Time for Permit Number G-16461
Permit Holder: Andy Root

Permit Information

Application:	G-16983
Permit:	G-16461
Basin:	12 – Malheur Lake / Watermaster District 10
Date of Priority:	December 17, 2007
Source of Water:	Well 1, Well 2, and Well 3 in Harney Lake Basin
Purpose of Use:	Irrigation use on 400.0 Acres
Maximum Rate:	5.0 cubic feet per second (cfs)

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-16461 was issued by the Department on April 3, 2009. The permit called for completion of construction by April 3, 2014 and complete application of water to beneficial use by April 3, 2014. On June 20, 2014, Andy Root submitted to the Department an Application for Extension of Time for Permit G-16461. In accordance with OAR 690-315-0050(2), on October 28, 2014, the Department issued a Proposed Final Order proposing to extend the time to complete construction to October 30, 2019, and the time to fully apply water to beneficial use to October 30, 2019. The protest period closed December 12, 2014, in accordance with OAR 690-315-0060(1). No protest was filed.

FINDINGS OF FACT

The Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated October 28, 2014.

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 the following conditions:

CONDITIONS

1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by **October 1, 2018**. *A form is enclosed with this 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.

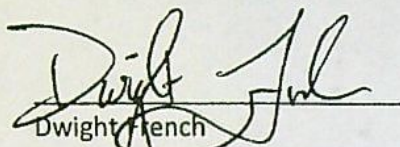
CONCLUSION OF LAW

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-16983, Permit G-16461, therefore, is approved subject to conditions contained herein. The deadline for completing construction is extended to from April 3, 2014 to October 30, 2019. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from April 3, 2014 to October 30, 2019.

DATED: December 19, 2014



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

-
- If you have any questions about statements contained in this document, please contact the Permit Extension Specialist at (503) 986-0802.
 - 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
-



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

January 2, 2019

Andy Root
Scott Montgomery
524 HWY 20N
Hines, OR 97738

REFERENCE: Application G-16983 / Permit G-16461

Dear Permit Holder:

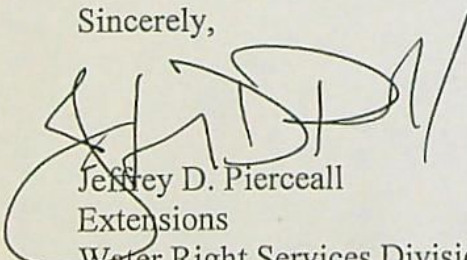
The Water Right Services Division received your written October 1, 2018 progress report for Permit G-16461 on October 5, 2018. Receipt of the progress report was published on the Department's weekly Public Notice, dated October 9, 2018. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2019.

If you have any questions, please feel free to contact me by telephone at (503) 986-0802.

Sincerely,



Jeffrey D. Pierceall

Extensions

Water Right Services Division

Enclosure

cc: Application G-16983
Watermaster District -- #N/A



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

Extension of Time
Progress Report Form
For Checkpoints

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: Andy Root

Application G-16983

Permit G-16461

Progress Report for 2018

Report Due no later than October 1, 2018

DO NOT SUBMIT PRIOR TO 30 DAYS BEFORE DUE DATE

RECEIVED

OCT 05 2018

OWRD

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-16461.

FAILURE TO SUBMIT THIS REPORT WILL MOST LIKELY RESULT IN ANY FUTURE EXTENSION BEING DENIED.

[REDACTED]		
	install flow meters on all the wells	
	Annual reports of water usage submitted to the Department	
	ANNUAL REPORTS OF STATIC WATER LEVEL SUBMITTED	
	TO THE DEPARTMENT.	

2. Describe actions to achieve compliance with conditions of the permit and/or previous extension.

Applicant has reported static water level & usage. Applicant has applied for in 2016 and awaiting final order to add wells and change place of use.

3. Total number of acres irrigated to date: 400 (NA if not applicable)

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, to date.

Maximum rate used to date = 5 cfs (cubic feet per second)

or

Maximum rate used to date = 2250 gpm (gallons per minute)

or

Acre Feet stored to date = 41 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.

INCOMPLETE REPORTS WILL BE RETURNED. AN ANSWER IS REQUIRED IN EACH ITEM.

Signature

[Signature]

Date 10/1/2018

Printed Name/Title

SCOTT D. MONTGOMERY AGENT FOR ANDY ROOT

Diligence Shown ☒ Yes ☐ No

Date Public Noticed: _____
For OWRD use only

Reviewed by:

Date:

Route Slip.....Extension of Time Progress Report

1. Extension Specialist: Progress Report Review

Date Report was Due: October 1, 2018 (= "Deadline Date" for the corresponding ECP work flow record in WRIS)

Date Report Received: October 5, 2018

Report Complete: ☒ YES

☐ NO – Send letter requesting missing information.

☐ letter mailed on: November 9, 2018

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: 10/9/2018

☒ Update workflow in WRIS

☒ (Fill in Extension Checkpoint 'Completed Date' in appropriate "ECP" work flow record and

☒ add record for Checkpoint Public Notice ("EPR" or "EP2")

☒ Return file to Jeffrey Pierceall

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: November 9, 2018

☐ 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: Scott Montgomery

Application: G-16983

Permit: G-16461

County: Harney

Source: Well 1, Well 2, and Well 3 in Harney Lake Basin

Use: irrigation use on 400.0 acres



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

May 13, 2019

Northwest Farm Credit Services, FLCA
650 Hawthorne Ave SE, Suite 210
Salem, OR 97301-5895

Reference: Application G-16983, Permit G-17989

The assignment from Andy Root to Northwest Farm Credit Services, FLCA, Charles W. Eggert, and Louanna Eggert has been recorded in the records of the Water Resources Department.

The Departments records will now show Northwest Farm Credit Services, FLCA, Charles W. Eggert, and Louanna Eggert as the permit holders of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 129705 covering the recording fee is also enclosed.

Sincerely,

Mary F. Bjork
Water Rights Program Analyst
Water Right Services Division

Enclosure: Original Request and Receipt #129705

cc: Watermaster #10

Andy Root – 524 Hwy 20 N, Hines, OR 97738

Charles W. & Louanna Eggert – 18555 SW Teton Ave., Tualatin, OR 97062

Data Center, OWRD (cover letter & request)

File





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

Request for Assignment

RECEIVED

MAY 06 2019

OWRD

If the Department determines that the application is incomplete, fees have not been paid, or the required documents are not acceptable, the application and all fees submitted will be returned to the applicant.

If for multiple rights, a separate form and fee for each right will be required.

I, Andy Root

(Name of Current Holder of Record)

524 HWY 20 N HINES, OR 97138 541-589-0107
(Mailing Address) (City) (State) (Zip) (Phone #)

- ☒ hereby assign all my interest in and to the entire application/permit/transfer/limited license/groundwater statement; (example, sold all the land authorized under the right)
- ☐ hereby assign all my interest in and to a portion of application/permit/transfer/limited license/groundwater statement; (You must include a map showing the portion of the application/permit/transfer/limited license/groundwater statement to be assigned. Example, sold a portion of the land authorized under the right)
- ☐ hereby assign a portion of my interest in and to the entire application/permit/transfer/limited license/groundwater statement; (example, adding an additional person)

Application # _____; Permit # G-17989; Transfer # _____;

Limited License # _____; Groundwater Statement # _____;

as filed in the office of the Water Resources Director, to:

Northwest Farm Credit Services, FLCA

(Name of New Owner)

650 Hawthorne Ave SE, Suite 210 Salem, OR 97301-5895 (503) 373-3000
(Mailing Address) (City) (State) (Zip) (Phone #)

AND

Charles W. Eggert and Louanna Eggert

(Name of New Owner)

18555 SW Teton Ave. Tualatin, OR 97062 (503) 692-9666
(Mailing Address) (City) (State) (Zip) (Phone #)

Note: If there are other owners of the property described in this application, permit, transfer order, limited license, or groundwater statement, you must provide a list of all other owners' names and mailing addresses and attach it to this form. Write the initials (first letters) of your first and last names at the spot indicated below _____.

AR I hereby certify that I have notified all other owners of the property described in this application, permit, transfer order, limited license, or groundwater statement of this Request for Assignment

Witness my hand this 42 23 day of April, 20 19
(Day) (Month) (Year)

Signature of Current Holder of Record Andy Root

Failure to provide any of the required information will result in the return of your application.

D. This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salem, Oregon.
Fee receipt # 129705
For Director by Mary F. Bjork, Program Analyst in Water Rights Division. MBR

The completed "Request for Assignment" form must be submitted to the Department along with the recording fee of \$100.

Assign. Approve
5-13-19 HOB

Business Registry Business Name Search

[New Search](#)

Business Entity Data

03-17-2020

11:28

Registry Nbr	Entity Type	Entity Status	Jurisdiction	Registry Date	Next Renewal Date	Renewal Due?
1278531-90	DLLC	ACT	OREGON	12-29-2016	12-29-2020	
Entity Name	SILVER SAGE FARMS, LLC					
Foreign Name						

[New Search](#)

Associated Names

Type	PPB	PRINCIPAL PLACE OF BUSINESS			
Addr 1	55053 DOUBLE O RANCH RD				
Addr 2					
CSZ	PRINCETON	OR	97721	Country	UNITED STATES OF AMERICA

Please click [here](#) for general information about registered agents and service of process.

Type	AGT	REGISTERED AGENT		Start Date	12-29-2016	Resign Date	
Name	KAYE	N	BARNES				
Addr 1	18555 SW TETON AVE						
Addr 2							
CSZ	TUALATIN	OR	97062	Country	UNITED STATES OF AMERICA		

Type	MAL	MAILING ADDRESS			
Addr 1	18555 SW TETON AVE				
Addr 2					
CSZ	TUALATIN	OR	97062	Country	UNITED STATES OF AMERICA

Type	MEM	MEMBER			Resign Date	
Name	CHARLES	W	EGGERT			
Addr 1	18555 SW TETON AVE					
Addr 2						
CSZ	TUALATIN	OR	97062	Country	UNITED STATES OF AMERICA	

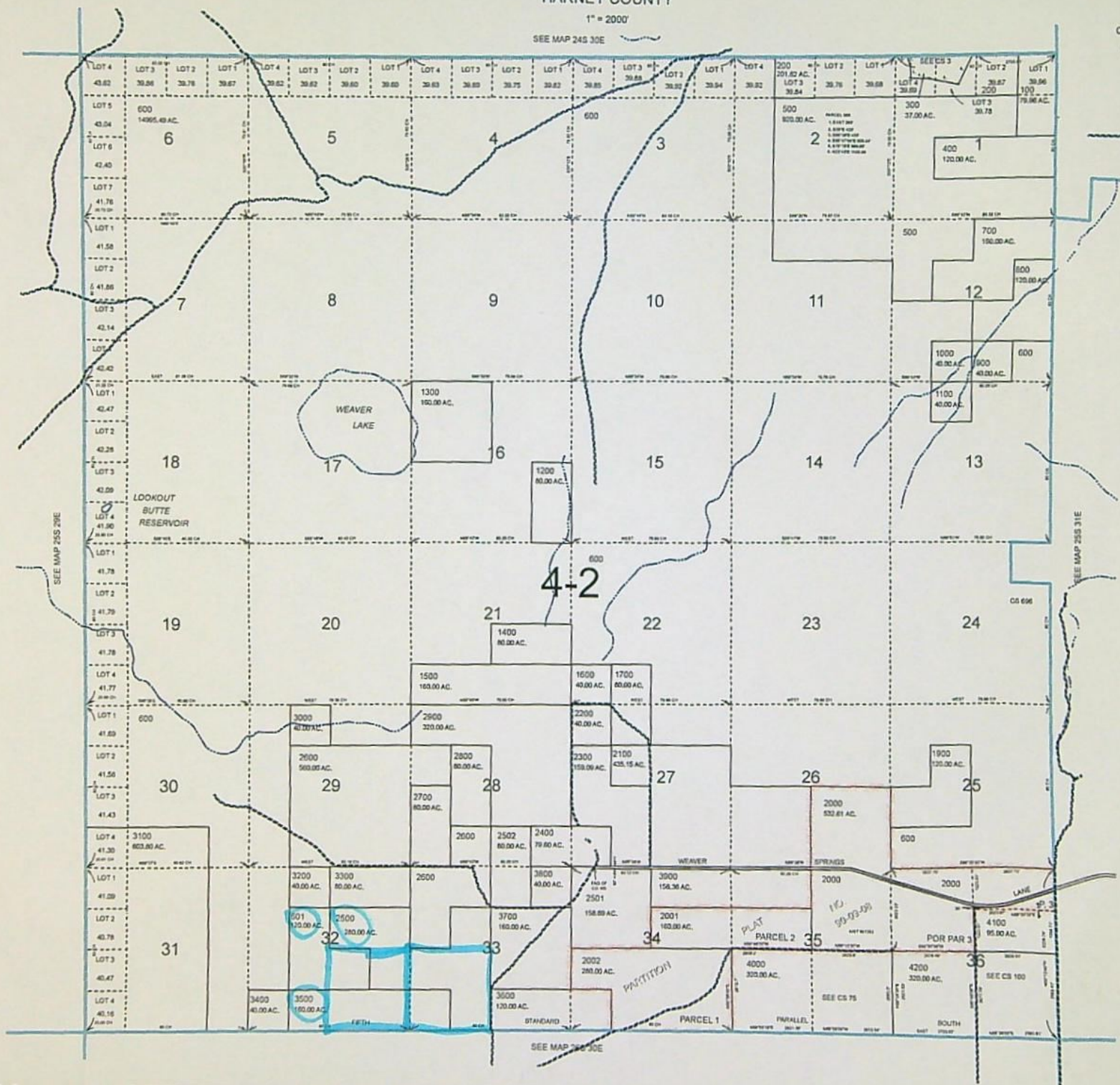
T.25S. R.30E. W.M.
HARNEY COUNTY

25S 30E

1" = 2000'

SEE MAP 24S 30E

CANCELLED NO.
1800 (2013)



N
PRINTED ON
7/8/2014
25S 30E

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 17, 2020 11:26:45 am

Account # 92700
 Map # 25S30E000000601
 Code - Tax # 0420-92700

Tax Status ASSESSABLE
 Acct Status ACTIVE
 Subtype NORMAL

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

Mailing Name SILVER SAGE FARMS LLC

Deed Reference # 2018-1532
 Sales Date/Price 11-06-2018 / \$18,700,000.00
 Appraiser TAMMY ATTLEBERGER

Agent

In Care Of

Mailing Address 18555 SW TETON AV
 TUALATIN, OR 97062-8842

Prop Class 551 MA SA NH Unit
 RMV Class 551 04 00 042 10735-1

Situs Address(s)				Situs City			
Code Area	RMV	MAV	Value Summary AV		RMV Exception	CPR %	
0420 Land	105,430				Land	0	
Impr.	6,330				Impr.	0	
Code Area Total	111,760	27,200	18,638			0	
Grand Total	111,760	27,200	18,638			0	

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	Land Breakdown TD% LS		Size	Land Class	LUC	Trended RMV
0420	1	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	29.50	2	006*	73,750
0420	2	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	90.50	6	006*	31,680
Grand Total								120.00			105,430

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown TD%		Total Sq. Ft.	Ex% MS Acct #	Trended RMV
0420	1		311	MAINLINE 8"	100		560		6,330
Grand Total							560		6,330

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 17, 2020 11:27:06 am

Account # 23029 Map # 25S30E000002500 Code - Tax # 0420-23029 Legal Descr Metes & Bounds - See legal report for full description. Mailing Name SILVER SAGE FARMS LLC Agent In Care Of Mailing Address 18555 SW TETON AV TUALATIN, OR 97062-8842 Prop Class 551 MA SA NH Unit RMV Class 551 04 00 042 6535-1	Tax Status ASSESSABLE Acct Status ACTIVE Subtype NORMAL Deed Reference # 2018-1532 Sales Date/Price 11-06-2018 / \$18,700,000.00 Appraiser TAMMY ATTLEBERGER
--	---

Situs Address(s)				Situs City			
Code Area		RMV	MAV	Value Summary AV		RMV Exception	CPR %
0420	Land	599,170				Land	0
	Impr.	32,880				Impr.	0
Code Area Total		632,050	186,110	139,458			0
Grand Total		632,050	186,110	139,458			0

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	Land Breakdown				Trended RMV	
						TD%	LS	Size	Land Class		LUC
0420	1	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	222.14	2	006*	555,350
0420	2	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	57.86	5	006*	31,820
0420	3	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0420	4	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
Grand Total								280.00			599,170

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown		Total Sq. Ft.	Ex% MS Acct #	Trended RMV
					TD%				
0420	3		110	Residential Other Improvements	100		0		4,700
0420	1		311	MAINLINE 8"	100		996		11,850
0420	2		311	MAINLINE 8"	100		1,372		16,330
Grand Total							2,368		32,880

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 17, 2020 11:27:27 am

Account # 23597
 Map # 25S30E000003500
 Code - Tax # 0420-23597

Tax Status ASSESSABLE
 Acct Status ACTIVE
 Subtype NORMAL

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

Mailing Name SILVER SAGE FARMS LLC

Deed Reference # 2018-1532
 Sales Date/Price 11-06-2018 / \$18,700,000.00
 Appraiser TAMMY ATTLEBERGER

Agent

In Care Of

Mailing Address 18555 SW TETON AV
 TUALATIN, OR 97062-8842

Prop Class 551 MA SA NH Unit
 RMV Class 551 04 00 042 7066-1

Situs Address(s)				Situs City			
Code Area		RMV	MAV	Value Summary AV	RMV Exception	CPR %	
0420	Land	263,970			Land	0	
	Impr.	9,080			Impr.	0	
Code Area Total		273,050	68,730	54,927		0	
Grand Total		273,050	68,730	54,927		0	

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	TD%	LS	Size	Land Class	LUC	Trended RMV
0420	1	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	96.73	2	006*	241,830
0420	2	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	63.27	6	006*	22,140
Grand Total								160.00			263,970

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown	TD%	Total Sq. Ft.	Ex% MS Acct #	Trended RMV
0420	1		311	MAINLINE 8"		100	803		9,080
Grand Total							803		9,080

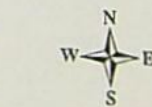
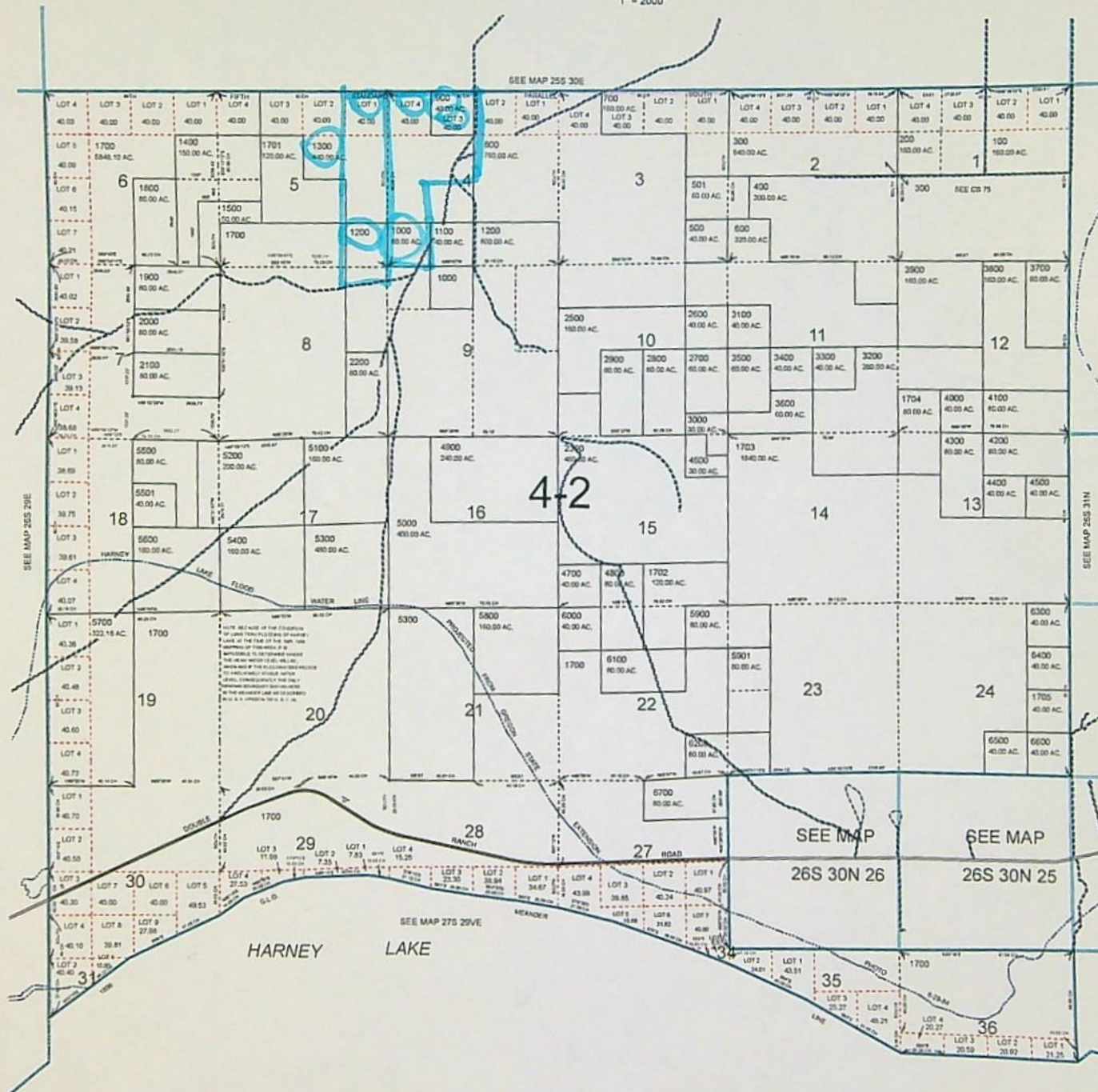
THIS MAP WAS PREPARED FOR
ASSESSMENT PURPOSE ONLY

T.26S. R.30E. W.M.
HARNEY COUNTY

1" = 2000'

26S30NE

Cancelled Nos.
1800
2301
2400



PRINTED ON 12/6/2018

26S30NE

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 17, 2020 11:24:43 am

Account # 45090 Map # 26S30N000000900 Code - Tax # 0420-45090 Legal Descr Metes & Bounds - See legal report for full description. Mailing Name SILVER SAGE FARMS LLC Agent In Care Of Mailing Address 18555 SW TETON AV TUALATIN, OR 97062-8842 Prop Class 551 MA SA NH Unit RMV Class 551 04 00 042 8794-1	Tax Status ASSESSABLE Acct Status ACTIVE Subtype NORMAL Deed Reference # 2018-1532 Sales Date/Price 11-06-2018 / \$18,700,000.00 Appraiser TAMMY ATTLEBERGER
---	---

Situs Address(s)		Situs City	
Value Summary			
Code Area	RMV	MAV	AV
0420 Land	91,290		
Impr.	12,030		
Code Area Total	103,320	32,380	28,797
Grand Total	103,320	32,380	28,797

Land Breakdown										
Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	TD%	LS	Size	Land Class	LUC
0420	1	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	35.53	2	006*
0420	2	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	4.47	5	006*
Grand Total								40.00		

Improvement Breakdown										
Code Area	ID#	Yr Built	Stat Class	Description	TD%	Total Sq. Ft.	Ex%	MS Acct #	Trended RMV	
0420	1		311	MAINLINE 8"	100	1,064			12,030	
Grand Total							1,064		12,030	

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 17, 2020 11:25:43 am

Account # 47576 Map # 26S30N000001000 Code - Tax # 0420-47576 Legal Descr Metes & Bounds - See legal report for full description. Mailing Name SILVER SAGE FARMS LLC Agent In Care Of Mailing Address 18555 SW TETON AV TUALATIN, OR 97062-8842 Prop Class 550 MA SA NH Unit RMV Class 550 04 00 042 9224-1	Tax Status ASSESSABLE Acct Status ACTIVE Subtype NORMAL Deed Reference # 2018-1532 Sales Date/Price 11-06-2018 / \$18,700,000.00 Appraiser TAMMY ATTLEBERGER
---	---

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

Code Area	RMV	MAV	Value Summary AV	RMV Exception	CPR %
0420 Land	58,900			Land	0
Impr.	0			Impr.	0
Code Area Total	58,900	20,590	7,414		0
Grand Total	58,900	20,590	7,414		0

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	Land Breakdown			Land Class	LUC	Trended RMV
						TD%	LS	Size			
0420	2	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	7.64	2	006*	19,100
0420	1	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	72.36	5	006*	39,800
Grand Total								80.00			58,900

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 17, 2020 11:25:28 am

Account # 45035 Map # 26S30N000001200 Code - Tax # 0420-45035 Legal Descr Metes & Bounds - See legal report for full description. Mailing Name SILVER SAGE FARMS LLC Agent In Care Of Mailing Address 18555 SW TETON AV TUALATIN, OR 97062-8842 Prop Class 551 MA SA NH Unit RMV Class 551 04 00 042 8742-1	Tax Status ASSESSABLE Acct Status ACTIVE Subtype NORMAL Deed Reference # 2018-1532 Sales Date/Price 11-06-2018 / \$18,700,000.00 Appraiser TAMMY ATTLEBERGER
--	---

Situs Address(s)	Situs City
ID# 28870 WEAVER SPRINGS LN	BURNS

Code Area	RMV	MAV	Value Summary AV	RMV Exception	CPR %
0420 Land	1,610,490			Land	0
Impr.	114,230			Impr.	0
Code Area Total	1,724,720	881,490	425,231		0
Grand Total	1,724,720	881,490	425,231		0

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	TD%	LS	Size	Land Class	LUC	Trended RMV
0420	7			EFRU-2	Farm Use Zoned	100	A	580.38	2	006*	1,450,950
0420	8			EFRU-2	Farm Use Zoned	100	A	65.00	4B	006*	45,500
0420	9			EFRU-2	Farm Use Zoned	100	A	112.00	5	006*	61,600
0420	10			EFRU-2	Farm Use Zoned	100	A	41.62	6	006*	14,470
0420	11			EFRU-2	Farm Use Zoned	100	A	1.00	HS	006*	1,970
0420	13			EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0420	14			EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0420	15			EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0420	16			EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0420	17			EFRU-2	Farm Use Zoned	100	A	0.00	SW	006*	6,000
0420					SITE AMENTIES	100					6,000
Grand Total								800.00			1,610,490

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown	TD%	Total Sq. Ft.	Ex% MS Acct #	Trended RMV
0420	4	2011	311	MAINLINE 8"		100	4,235		48,380
0420	3	1987	311	MAINLINE 8"		100	4,300		37,350
0420	2		304	GP BUILDING		100	3,200		28,500
Grand Total							11,735		114,230

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 17, 2020 11:25:08 am

Account # 45034
Map # 26S30N000001300
Code - Tax # 0420-45034

Tax Status ASSESSABLE
Acct Status ACTIVE
Subtype NORMAL

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

Mailing Name SILVER SAGE FARMS LLC

Agent

In Care Of

Mailing Address 18555 SW TETON AV
TUALATIN, OR 97062-8842

Deed Reference # 2018-1532
Sales Date/Price 11-06-2018 / \$18,700,000.00
Appraiser TAMMY ATTLEBERGER

Prop Class 551 MA SA NH Unit
RMV Class 551 04 00 042 8741-1

Situs Address(s)				Situs City			
Code Area		RMV	MAV	Value Summary AV		RMV Exception	CPR %
0420	Land	734,980				Land	0
	Impr.	54,920				Impr.	0
Code Area Total		789,900	294,150	164,196			0
Grand Total		789,900	294,150	164,196			0

Code Area	ID#	RFPD	Ex	Plan Zone	Value Source	Land Breakdown		Size	Land Class	LUC	Trended RMV
						TD%	LS				
0420	1	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	264.64	2	006*	661,600
0420	3	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	175.36	6	006*	61,380
0420	4	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
0420	5	<input type="checkbox"/>		EFRU-2	Farm Use Zoned	100	A	0.00	IW	006*	6,000
Grand Total								440.00			734,980

Code Area	ID#	Yr Built	Stat Class	Description	Improvement Breakdown		Total Sq. Ft.	Ex% MS Acct #	Trended RMV
					TD%				
0420	1	2011	311	MAINLINE 8"	100		4,807		54,920
Grand Total							4,807		54,920



Places of Use from Water Rights in the Same Area

The following rights have acreage in the same quarter-quarter as Permit: G 17989 * *NCR*

Right	Name	Decree	App	Permit	Cert	Priority	Status	Use	T-R-S-QQ	DLC	Gov't Lot
INCHQATE: T 12638 CF (REG) *	ANDY ROOT		G-10268	G-9419		4/10/1981	NC	IR	26.00S-30.00E-08-NENE		
PERMIT: G 17990 *	NORTHWEST FARM CREDIT SERVICES FLCA		G-17581	G-17990		6/7/2012	NC	IR	26.00S-30.00E-04-NWSW		
								IR	26.00S-30.00E-04-SENE		
APP: G 17834 *	ANDY ROOT		G-17834			4/11/2014	NC	IR	26.00S-30.00E-04-SWNW		
								IR	26.00S-30.00E-04-NWNW		
								IR	26.00S-30.00E-04-NWSW		
								IR	26.00S-30.00E-04-SWSW		
								IR	25.00S-30.00E-32-SWSE		
								IR	26.00S-30.00E-05-NENE		
								IR	26.00S-30.00E-05-SENE		
								IR	26.00S-30.00E-05-NESE		
								IR	26.00S-30.00E-05-SESE		

unk

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 52141

[Main](#) [Help](#)
[Return](#) [Contact Us](#)

Site Identification (Click to Collapse...)

GW LogID: HARN 52141 [Well Log Database](#)
GW Well Tag Number: 116669
Tag Verified on Well: Yes
Site Type: WELL
Primary Use:
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: boschmde
Established Date: 10/05/2015
Bonded Company: FRY INDUSTRIES INC
Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
Latitude: 43.36318000 Horiz. Error: 25.00 ft
Longitude: -119.13360000 Datum: WGS1984
Lat/Long Source: GPS IPAD
Location
TRSQQ: WM 25.00S30.00E33SENW
Tax Map:
Taxlot:
24 Quad:
Basin: 12 - Malheur Lake
County: Harney
WM District: 10
WM Region: E
LSD Elev: 4129.00 Accy: 10.00 Datum: NGVD1929
Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	rate
POD 1 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 1 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 1 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 1 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Ma
HARN 52141	Log	NEW	1024841	116669	RATTLESNAKE CREEK, LAND AND CATTLE CO.	94.00	16			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
HARN 52141				

Well Test

No data matches search criteria.

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Available Data (Click to Expand...)

well 5
not claim

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51146

[Main](#) [Help](#)
[Return](#) [Contact Us](#)

Site Identification (Click to Collapse...)

GW LogID: HARN 51146 [Well Log Database](#)
GW Well Tag Number: 26615
Tag Verified on Well: Yes
Site Type: WELL
Primary Use: IRRIGATION
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: Karl Wozniak
Established Date: 02/08/2009
Bonded Company: DONALD W. READ
Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
Latitude: 43.35566900 Horiz. Error: 1.00 ft.
Longitude: -119.12864500 Datum: WGS1984
Lat/Long Source: GPS SURVEY GRADE
Location
TRSQQ: WM 25.00S30.00E33SES
Tax Map: 25S-25E
Taxlot: 250000
24 Quad: NORTHWEST HARNEY LAKE
Basin: 12 - Malheur Lake
County: Harney
WM District: 10
WM Region: E
LSD Elev: 4148.00 Accy: 5.00 Datum: NGVD1929
Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority date	Season of Use	max rate cfs	rate
POD 2 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 1 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 1 - A WELL > HARNEY LAKE BASIN	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 4 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 2 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 2 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 2 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 2 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth
HARN 51146	Log	NEW	155963	26615	ANDY ROOT	117.00	16			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51146	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

No data matches search criteria.

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 [Find](#)


Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/2/2017		145.87	4002.13	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.95
3/16/2016		132.45	4015.55	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.95
3/26/2015		119.55	4028.45	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.95
3/24/2014				CONSULTANT	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
3/26/2013		99.85	4048.15	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	UNKNOWN	2.00
3/6/2012		93.00	4055.00	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.00
3/16/2011		89.75	4058.25	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.00
3/2/2010		86.70	4061.30	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.50
3/19/2009		67.70	4080.30	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.50

3/13/2008		61.40	4086.60	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.50
3/7/2007		66.60	4081.40	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	2.50
3/27/2006		30.60	4117.40	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.70
1/18/2005		74.00	4074.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Available Data

(Click to Expand...)

 - View Hydrograph

Well 9
not claimedOregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51448

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Site Identification (Click to Collapse...)

GW LogID: HARN 51448 [Well Log Database](#)
 GW Well Tag Number: 93552
 Tag Verified on Well: Yes
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: MIKE ZWART
 Established Date: 12/31/2009
 Bonded Company: FRY INDUSTRIES INC
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 43.35504520 Horiz. Error: 0.11 ft
 Longitude: -119.12892860 Datum: WGS1984
 Lat/Long Source: GPS SURVEY GRADE
 Location
 TRSQ: WM 25 00S30.00E33SES
 Tax Map: 25S-30E
 Taxlot: 2500
 24 Quad: NORTHWEST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4157.43 Accy: 0.15 Datum: NAVD1988
 Elev Source: SURVEY GPS
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max rate cfs	rat
POD 4 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 3 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 1 - A WELL > HARNEY LAKE BASIN	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 5 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 4 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 4 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 4 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 4 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max
HARN 51448	Log	NEW	197372	93552	RATTLESNAKE CR LAND & CATTLE CO	107.00		14		

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51448	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 51448	Pump	4000.0	10.0	2.0	400.00

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
10/30/2018	14:06:00	175.17	3982.26	OWRD	GWATER	ETAPE	STATIC	1.18
8/21/2018	14:20:00			OWRD	GWATER	NOT MEASURED	PUMPING	
5/16/2018	09:34:00	174.74	3982.69	OWRD	GWATER	ETAPE	STATIC	1.18
2/27/2018	16:44:00			OWRD	GWATER	NOT MEASURED	PUMPING	
11/4/2017	11:00:00	175.23	3982.20	OWRD	GWATER	ETAPE	STATIC	1.18
8/14/2017	15:02:00	158.20	3999.23	OWRD	GWATER	ETAPE	STATIC	1.18
5/23/2017	11:51:00	149.41	4008.02	OWRD	GWATER	ETAPE	STATIC	1.18
3/2/2017		152.58	4004.85	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.45


2/25/2017	15:33:00	151.85	4005.58	OWRD	GWATER	ETAPE	STATIC	1.18
2/25/2017	15:17:00	151.85	4005.58	OWRD	GWATER	ETAPE	STATIC	2.56
10/31/2016	11:17:00	161.12	3996.31	OWRD	GWATER	ETAPE	STATIC	2.56
7/25/2016	16:48:00	147.41	4010.02	OWRD	GWATER	ETAPE	STATIC	2.56
4/27/2016	16:42:00	135.48	4021.95	OWRD	GWATER	ETAPE	STATIC	2.56
3/16/2016		136.65	4020.78	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.45
3/2/2016	13:50:00	136.51	4020.92	OWRD	GWATER	ETAPE	STATIC	2.56
7/28/2015	11:54:00			OWRD	GWATER	NOT MEASURED	UNKNOWN	2.56
5/1/2015	12:00:00	123.54	4033.89	OWRD	GWATER	ETAPE	STATIC	2.56
3/16/2015		123.65	4033.78	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.45
1/29/2015	12:07:00	124.93	4032.50	OWRD	GWATER	ETAPE	STATIC	2.56
3/24/2014		111.05	4046.38	CONSULTANT	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.45
1 2								

Flow Meter/Power Meter

(Click to Expand...)

Available Data

(Click to Expand...)

 - View Hydrograph

Well 7

Site Identification (Click to Collapse...)

GW LogID: HARN 51272 [Well Log Database](#)
GW Well Tag Number: 72702
Tag Verified on Well: Yes
Site Type: WELL
Primary Use: IRRIGATION
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: Jen Woody
Established Date: 02/08/2012
Bonded Company: DONALD W. READ
Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
Latitude: 43.35422113 **Horiz. Error:** 1.00 ft.
Longitude: -119.11154325 **Datum:** WGS1984
Lat/Long Source: GPS SURVEY GRADE
Location
TRSQQ: WM 25.00S30.00E34SESW
Tax Map:
Taxlot:
24 Quad: NORTHEAST HARNEY LAKE
Basin: 12 - Malheur Lake
County: Harney
WM District: 10
WM Region: E
LSD Elev: 4171.50 **Accy:** 1.10 **Datum:** NAVD1988
Elev Source: SURVEY GPS
[Groundwater Mapping Tool](#)



Water Rights (Click to Expand...)

Well Construction History (Click to Expand...)

Lithology (Click to Collapse...)

Well Construction (Click to Collapse...)

Measured Water Level (Click to Expand...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019				CWRE	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
3/8/2018		144.43	4027.07	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.15
3/2/2017		154.48	4017.02	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.15
3/16/2016		147.85	4023.65	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.15
7/28/2015	12:25:00			OWRD	GWATER	NOT MEASURED	UNKNOWN	1.41
5/1/2015	11:14:00			OWRD	GWATER	NOT MEASURED	UNKNOWN	1.41
3/24/2015		133.35	4038.15	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.15
1/29/2015	11:39:00	141.22	4030.28	OWRD	GWATER	ETAPE	STATIC	1.41
3/24/2014		127.09	4044.41	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.41
3/26/2013		121.18	4050.32	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.41
3/2/2012		115.09	4056.41	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.41
3/16/2011		108.67	4062.83	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.33
3/2/2010		114.60	4056.90	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.80
3/19/2009		108.10	4063.40	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.00
3/13/2008		105.20	4066.30	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.80
3/6/2007		108.80	4062.70	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.80
4/30/2006		98.00	4073.50	DRILLER	WELL LOG	REPORTED	STATIC	
3/27/2006		89.50	4082.00	CONSULTANT	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	2.50

Flow Meter/Power Meter (Click to Expand...)

Available Data (Click to Expand...)

Well 10

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51765

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Site Identification (Click to Collapse...)

GW LogID: HARN 51765 [Well Log Database](#)
 GW Well Tag Number: 102536
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: Karl Wozniak
 Established Date: 04/11/2011
 Bonded Company: WESTERN DRILLING CO
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 43.34983000 Horiz. Error: 13.00 ft
 Longitude: -119.11736000 Datum: WGS1984
 Lat/Long Source: GPS WELL INSPECTION

Location
 TRSQQ: WM 26.00S30.00E3NWNW
 Tax Map: 26S-30E
 Taxlot: 800
 24 Quad: NORTHEAST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4162.00 Accy: 5.00 Datum: NGVD1929
 Elev Source: 7.5-MINUTE MAP

[Groundwater Mapping Tool](#)


Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	rate
POD 5 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 4 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 5 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 6 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 5 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 5 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 5 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 5 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth
HARN 51765	Log	NEW	1012414	102536	ANDY ROOT; ACW	104.00	14			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51765	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 51765	Pump	2800.0	2.0	6.0	1400.00

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Expand...)

Available Data (Click to Expand...)

well 11

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51760

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[Return](#) [Contact Us](#)
Site Identification [\(Click to Collapse...\)](#)

GW LogID: HARN 51760 [Well Log Database](#)
 GW Well Tag Number: 102534
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: Karl Wozniak
 Established Date: 04/11/2011
 Bonded Company: WESTERN DRILLING CO
 Stage: COMPLETE

Location [\(Click to Collapse...\)](#)

Latitude/Longitude
 Latitude: 43.34987000 Horiz. Error: 14.00 ft
 Longitude: -119.11706000 Datum: WGS1984
 Lat/Long Source: GPS WELL INSPECTION
 Location
 TRSQQ: WM 26.00S30.00E3NWNW
 Tax Map: 26S-30E
 Taxlot: 800
 24 Quad: NORTHEAST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4165.91 Accy: 5.00 Datum: NAVD1988
 Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)

Water Rights [\(Click to Collapse...\)](#)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	rate
POD 6 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 5 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 6 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 7 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 6 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 6 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 6 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 6 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History [\(Click to Collapse...\)](#)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case, Diam.	Max Case, Depth	Max Seal Depth	Max Dept
HARN 51760	Log	NEW	1012337	102534	ANDY ROOT; ACW	104.00	14			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51760	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 51760	Pump	2800.0	5.0	6.0	560.00

Lithology [\(Click to Expand...\)](#)Well Construction [\(Click to Expand...\)](#)Measured Water Level [\(Click to Collapse...\)](#)Records/Page: 20 [Find](#)

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019		177.50	3988.41	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.10
3/8/2018		167.82	3998.09	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.10
3/2/2017		157.85	4008.06	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.10
3/16/2016				CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	
3/24/2015		131.91	4034.00	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.00
3/24/2014				PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
1/28/2011		104.00	4061.91	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Well 12

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51817

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Site Identification (Click to Collapse...)

GW LogID: HARN 51817 [Well Log Database](#)
 GW Well Tag Number: 107659
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: Karl Wozniak
 Established Date: 11/15/2011
 Bonded Company: WESTERN DRILLING CO
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 43.35983000 Horiz. Error: 50.00
 Longitude: -119.12942000 Datum: WGS1984
 Lat/Long Source: GPS FIELD OFFICE

Location
 TRSQQ: WM 25.00S30.00E33NESW
 Tax Map: 25S-30E
 Taxlot: 2500
 24 Quad: NORTHWEST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4125.00 Accy: 5.00 Datum: NGVD1929
 Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority date	Season of Use	max rate cfs	rate
POD 7 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 6 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 7 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 8 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 7 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 7 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 7 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 7 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth
HARN 51817	Log	NEW	1015160	107659	ACW	88.00	14			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51817	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

No data matches search criteria.

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/2/2017		127.40	3997.60	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.85
3/16/2016		114.15	4010.85	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.85
3/26/2015				PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	NOT MEASURED	DRY	
3/24/2014		89.40	4035.60	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.15
11/8/2011		78.23	4046.77	OWRD	BURNS	ETAPE	STATIC	
10/21/2011		88.00	4037.00	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Available Data (Click to Expand...)

Well 13

Site Identification

(Click to Collapse...)

GW LogID: HARN 51445 [Well Log Database](#)
GW Well Tag Number: 104470
Tag Verified on Well: No
Site Type: WELL
Primary Use: IRRIGATION
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: Karl Wozniak
Established Date: 04/11/2011
Bonded Company: SEARCH DRILLING INC
Stage: COMPLETE

Location

(Click to Collapse...)

Latitude/Longitude
Latitude: 43.34958100 Horiz. Error: 1.00
Longitude: -119.12893900 Datum: WGS1984
Lat/Long Source: GPS SURVEY GRADE
Location
TRSQQ: WM 26.00S30.00E4NENW
Tax Map: 26S-30E
Taxlot: 900
24 Quad: NORTHWEST HARNEY LAKE
Basin: 12 - Malheur Lake
County: Harney
WM District: 10
WM Region: E
LSD Elev: 4156.70 Accy: 1.00 Datum: NAVD1988
Elev Source: SURVEY GPS

[Groundwater Mapping Tool](#)

USDA FSA, DigitalGlobe

Water Rights

(Click to Expand...)

Well Construction History

(Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Ma
HARN 51445	Log	NEW	189552	104470	RATTLESNAKE CREEK LAND & CATTLE CO	140.00	14			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
HARN 51445	Quaternary-Late Tertiary sediment Aq		Quaternary-Late Tertiary Sediment Aquifers	

Well Test

Well Log	Test Type	Yield (gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 51445	Pump	1000.0	190.0	4.0	5.26

Lithology

(Click to Expand...)

Well Construction

(Click to Expand...)

Measured Water Level

(Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019				CWRE	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
3/8/2018		145.67	4011.03	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.85
3/2/2017				CWRE	PERMIT CONDITION PROGRAM	NOT MEASURED	STATIC	
2/25/2017	14:28:00	143.50	4013.20	OWRD	GWATER	ETAPE	STATIC	1.27
10/31/2016	13:24:00	142.71	4013.99	OWRD	GWATER	ETAPE	STATIC	1.27
7/28/2016	12:27:00			OWRD	GWATER	ETAPE	UNKNOWN	1.27
4/27/2016	15:08:00	138.36	4018.34	OWRD	GWATER	ETAPE	STATIC	1.27
3/16/2016		129.40	4027.30	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.80
3/2/2016	14:10:00	139.18	4017.52	OWRD	GWATER	ETAPE	STATIC	1.27
10/18/2015	11:51:00	137.51	4019.19	OWRD	GWATER	ETAPE	STATIC	1.27
7/28/2015	11:59:00	133.51	4023.19	OWRD	GWATER	ETAPE	STATIC	1.27
5/3/2015	10:54:00	129.03	4027.67	OWRD	GWATER	ETAPE	STATIC	1.27
3/26/2015				CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.27
11/7/2012	09:12:00	116.54	4040.16	OWRD	GWATER	ETAPE	UNKNOWN	0.90
2/29/2012	08:13:00	104.49	4052.21	OWRD	GWATER	ETAPE	UNKNOWN	0.90
11/8/2011	08:00:00	107.58	4049.12	OWRD	BAKER CITY	ETAPE	UNKNOWN	0.90


4/6/2011	08:45:00	100.59	4056.11	OWRD	BAKER CITY	ETAPE	UNKNOWN	0.90
3/17/2010	10:00:00	98.36	4058.34	OWRD	BURNS	ETAPE	UNKNOWN	0.90
2/10/2008		92.00	4064.70	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Flow Meter/Power Meter

(Click to Expand...)

Available Data

(Click to Expand...)

 - View Hydrograph

Well 14

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51871

[Main](#) [Help](#)
[Return](#) [Contact Us](#)

Site Identification (Click to Collapse...)

GW LogID: HARN 51871 [Well Log Database](#)
 GW Well Tag Number: 109033
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: BARNETHJ
 Established Date: 08/11/2015
 Bonded Company: WESTERN DRILLING CO
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 43.35541000 Horiz. Error: 50.00 ft
 Longitude: -119.12192000 Datum: WGS1984
 Lat/Long Source: GPS WELL INSPECTION
 Location
 TRSQQ: WM 25.00S30.00E33SESE
 Tax Map:
 Taxlot:
 24 Quad: NORTHEAST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4143.92 Accy: 5.00 Datum: NAVD1988
 Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	ra
POD 9 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 8 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 9 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 10 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 9 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 9 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	
POD 9 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 9 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth
HARN 51871	Log	NEW	1017370	109033	ACW	94.00	14			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51871	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

No data matches search criteria.

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019				CWRE	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
3/8/2018		145.10	3998.82	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.75
3/2/2017		135.80	4008.12	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.75
3/16/2016				CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	
3/24/2015		109.35	4034.57	CWRE	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.90
8/15/2012		94.00	4049.92	DRILLER	WELL LOG	UNKNOWN	UNKNOWN	

Available Data (Click to Expand...)

well 15

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 51970

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Site Identification (Click to Collapse...)

GW LogID: HARN 51970 [Well Log Database](#)
 GW Well Tag Number: 111173
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: barnethj
 Established Date: 08/11/2015
 Bonded Company: WESTERN DRILLING CO
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 43.35545000 Horiz. Error: 15.00
 Longitude: -119.12140000 Datum: WGS1984
 Lat/Long Source: GPS WELL INSPECTION
 Location
 TRSQ: WM 25.00S30.00E33SESE
 Tax Map:
 Taxlot:
 24 Quad: NORTHEAST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4143.92 Accy: 5.00 Datum: NAVD1988
 Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	ra
POD 10 - A WELL > HARNEY LAKE	WRIS	G 17834						4/11/2014	3/1 ~ 10/31	4.620	
POD 9 - A WELL > SAGE HEN CREEK	WRIS	G 14136	G 12841		T 11733			7/20/1995	3/1 ~ 10/31	4.920	
POD 10 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 11 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 10 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 10 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 10 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	
POD 10 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Depth
HARN 51970	Log	NEW	1020822	111173	ANDY ROOT ACW	107.00	14			

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS
HARN 51970	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Vol & Volcaniclastic Aq	Quaternary-Late Tertiary Volcanic and Volcaniclastic Rock Aquifers	

Well Test

No data matches search criteria.

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019				CWRE	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
3/8/2018		145.10	3998.82	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.90
3/23/2017				CWRE	PERMIT CONDITION PROGRAM	NOT MEASURED	STATIC	
3/16/2016		123.20	4020.72	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.90
3/26/2015		110.45	4033.47	CWRE	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.75
3/24/2014		95.66	4048.26	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	0.75
8/24/2013		107.00	4036.92	DRILLER	WELL LOG	UNKNOWN	UNKNOWN	

Well 16

Oregon Water Resources Department
Groundwater Information System

Groundwater Site: HARN 52121

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Site Identification (Click to Collapse...)

GW LogID: HARN 52121 [Well Log Database](#)
 GW Well Tag Number: 116668
 Tag Verified on Well: No
 Site Type: WELL
 Primary Use: IRRIGATION
 Unused Status:
 Site Source Organization:
 Site Source OWRD:
 Established By: BARNETHJ
 Established Date: 08/29/2017
 Bonded Company: FRY INDUSTRIES INC
 Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
 Latitude: 43.36904000 Horiz. Error: 18.00 ft.
 Longitude: -119.14430000 Datum: WGS1984
 Lat/Long Source: GPS WELL INSPECTION

Location
 TRSQQ: WM 25.00S30.00E29SWSE
 Tax Map: 25S30E000002600
 Taxlot: 2600
 24 Quad: NORTHWEST HARNEY LAKE
 Basin: 12 - Malheur Lake
 County: Harney
 WM District: 10
 WM Region: E
 LSD Elev: 4141.86 Accy: 30.00 Datum: NAVD1988
 Elev Source: DEM 10 METER
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	rat
POD 11 - A WELL > HARNEY LAKE	WRIS	G 16626	G 16150		T 12169			2/21/2006	3/1 ~ 10/31	3.420	
POD 12 - A WELL > HARNEY LAKE	WRIS	G 16460	G 16165		T 12169			5/16/2005	3/1 ~ 10/31	4.920	
POD 11 - A WELL > HARNEY LAKE BASIN	WRIS	G 17561	G 17990		T 12257			6/7/2012	3/1 ~ 10/31	5.900	
POD 11 - A WELL > HARNEY LAKE BASIN	WRIS	G 17146	G 17991		T 12257			11/24/2008	3/1 ~ 10/31	0.470	
POD 11 - A WELL > HARNEY LAKE BASIN	WRIS	G 17452	G 17992		T 12257			3/10/2011	3/1 ~ 10/31	7.260	
POD 11 - A WELL > HARNEY LAKE BASIN	WRIS	G 16983	G 17989		T 12257			12/17/2007	3/1 ~ 10/31	5.000	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Dept
HARN 52121	Log	NEW	1024513	116668	AND ROOT, ACW	105.00	20	54.00	50.00	

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
HARN 52121				

Well Test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
HARN 52121	Pump	2500.0	16.0	8.0	156.25

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019		128.20	4013.66	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.80
3/8/2018		118.12	4023.74	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.80
3/23/2017		110.88	4030.98	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.80
3/16/2016		102.70	4039.16	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	0.80
10/23/2014		92.00	4049.86	DRILLER	WELL LOG	UNKNOWN	UNKNOWN	

Available Data (Click to Expand...)

- View Hydrograph

Site Identification (Click to Collapse...)

GW LogID: HARN 52154 [Well Log Database](#)
GW Well Tag Number: 116674
Tag Verified on Well: Yes
Site Type: WELL
Primary Use:
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: BOSCHMDE
Established Date: 10/02/2015
Bonded Company: FRY INDUSTRIES INC
Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
Latitude: 43.34990000 Horiz. Error: 25.00 ft
Longitude: -119.11689000 Datum: WGS1984
Lat/Long Source: GPS IPAD
Location
TRSQQ: WM 26.00S30.00E3NWNW
Tax Map:
Taxlot:
24 Quad:
Basin: 12 - Malheur Lake
County: Harney
WM District: 10
WM Region: E
LSD Elev: 4164.91 Accy: 10.00 Datum: NAVD1988
Elev Source: 7.5-MINUTE MAP
[Groundwater Mapping Tool](#)



Water Rights (Click to Expand...)

Well Construction History (Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	M
HARN 52154	Log	NEW	1025480	116674	RATTLESNAKE CREEK, LAND AND CATTLE CO.	132.00	16	196.00	55.00	

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
HARN 52154				

Well Test

No data matches search criteria.

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019		177.75	3987.16	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.25
3/8/2018		167.40	3997.51	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.25
3/2/2017				PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	NOT MEASURED	UNKNOWN	
3/16/2016		145.05	4019.86	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.25
2/11/2015		132.00	4032.91	DRILLER	WELL LOG	REPORTED	UNKNOWN	

Available Data (Click to Expand...)

[View Hydrograph](#)

Site Identification

(Click to Collapse...)

GW LogID: HARN 52170 [Well Log Database](#)
GW Well Tag Number: 117161
Tag Verified on Well: No
Site Type: WELL
Primary Use: IRRIGATION
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: BARNETHJ
Established Date: 06/28/2017
Bonded Company: FRY INDUSTRIES INC
Stage: COMPLETE

Location

(Click to Collapse...)

Latitude/Longitude
Latitude: 43.36900000 Horiz. Error: 18.00 ft.
Longitude: -119.14466000 Datum: WGS1984
Lat/Long Source: GPS WELL INSPECTION
Location
TRSQ: WM 25.00S30.00E29SWSE
Tax Map: 25S30E000002600
Taxlot: 2600
2+ Quad: NORTHWEST HARNEY LAKE
Basin: 12 - Malheur Lake
County: Harney
WM District: 10
WM Region: E
LSD Elev: 4143.11 Accy: 30.00 Datum: NAVD1988
Elev Source: DEM 10 METER
[Groundwater Mapping Tool](#)



Water Rights

(Click to Expand...)

Well Construction History

(Click to Collapse...)

Well Construction History

Well Log Id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case Diam.	Max Case Depth	Max Seal Depth	Max Den
HARN 52170	Log	NEW	1025710	117161 ACW		170.00	16			

Well Log	Aquifer	Age at Max Depth	System Aquifer	Regional USGS Aquifer
HARN 52170				

Well Test

No data matches search criteria.

Lithology

(Click to Expand...)

Well Construction

(Click to Expand...)

Measured Water Level

(Click to Collapse...)

Records/Page: 20 Find

Measured Water Level

Date	Time	Water Level (BLSD)	Wt. Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/12/2019		129.40	4013.71	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.50
3/8/2018		119.40	4023.71	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.50
3/23/2017		111.15	4031.96	PROFESSIONAL ENGINEER	PERMIT CONDITION PROGRAM	STEEL TAPE	STATIC	1.50
4/2/2015		92.00	4051.11	DRILLER	WELL LOG	UNKNOWN	UNKNOWN	

Available Data

(Click to Expand...)

[View Hydrograph](#)

Water Use Report Based on Water Right



Permit: G 17989 *

NORTHWEST FARM CREDIT SERVICES 650 HAWTHORNE AVE SE SUITE 210
SALEM, OR 97301

Records per page: 81 [View All](#)

Acre-feet (AF) of Water Used

Water Year*	Report ID	Facility	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total Water Used	Irrigated Acres
2019	63722	WELL 9 (HARN 51448/L-93552)	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	406.82
2019	64368	WELL 5 (HARN 51146/L-26615)	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	64372	WELL 7 (HARN 51272/L-72702)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.78	0.28	0.65	0.56	2.37	
2019	66152	WELL 13 (HARN 51445/L-104470)	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	66153	WELL 11 (HARN 51760/L-102534)	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	66154	WELL 10 (HARN 51765/L-102536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.97	129.40	101.13	33.24	279.73	559.47	
2019	66363	WELL 12 (HARN 51817/L-107659)	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	66364	WELL 14 (HARN 51871/L-109033)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.69	9.88	124.90	76.05	262.52	
2019	66365	WELL 15 (HARN 51970/L-111173)	1.24	0.00	0.00	0.00	0.00	0.00	0.00	17.09	144.06	82.74	125.55	173.81	544.49	

[illegible]

		(HARN 51970/L- 111173)														
		WELL 16 (HARN 52121/L- 116668)														
2018	<u>67961</u>		0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.35	115.14	112.07	59.26	0.00	406.82	406.82
		WELL 17 (HARN 52154/L- 116674)														
2018	<u>67962</u>		0.00	0.00	0.00	0.00	0.00	0.00	0.00	246.68	76.81	105.78	308.93	68.82	807.02	
		WELL 18 (HARN 52170/L- 117161)														
2018	<u>67963</u>		0.00	0.00	0.00		0.00	0.00	0.00	144.23	114.66	161.52	218.52	96.69	735.62	
		WELL 1 (HARN 1094/L- 102506)														
2017	<u>37925</u>		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 9 (HARN 51448/L- 93552)														
2017	<u>63729</u>		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 5 (HARN 51146/L- 26615)														
2017	<u>64368</u>		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 7 (HARN 51272/L- 72702)														
2017	<u>64372</u>		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 13 (HARN 51445/L- 104470)														
2017	<u>66152</u>		0.00	0.00	0.00	0.00	0.00	0.00	158.18	98.09	244.13	250.59	166.46	1.94	919.39	
		WELL 11 (HARN 51760/L- 102534)														
2017	<u>66153</u>		0.00	0.00	0.00	0.00	0.00	0.00	156.60	96.51	219.84	93.20	0.00	0.00	566.15	
		WELL 10 (HARN 51765/L- 102536)														
2017	<u>66154</u>		0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.29	97.59	117.29	42.94	0.00	260.11	
		WELL 12 (HARN 51817/L- 107659)														
2017	<u>66363</u>		126.16	0.00	0.00	0.00	0.00	41.55	169.61	107.40	179.31	255.95	122.46	0.00	1002.44	
		WELL 14 (HARN														
2017	<u>66364</u>		0.00	0.00	0.00	0.00	0.00	0.00	161.41	91.86	231.35	231.26	133.50	19.56	868.94	

2017	66365	51871/L- 109033) WELL 15 (HARN 51970/L- 111173)	0.00	0.00	0.00	0.00	0.00	0.00	158.18	98.09	244.13	250.59	166.46	1.94	919.39	
2016	37925	WELL 1 (HARN 1094/L- 102506)	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	
2016	63729	WELL 9 (HARN 51448/L- 93552)	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	355.90
2016	64368	WELL 5 (HARN 51146 /L- 26615)	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	434.62
2016	64372	WELL 7 (HARN 51272 /L- 72702)	0.33	0.00	0.00	0.00	0.00	0.34	1.01	1.24	0.52	0.99	0.67	0.06	5.16	400.00
2016	66152	WELL 13 (HARN 51445/L- 104470)	126.16	0.00	0.00	0.00	0.00	41.55	169.61	107.40	179.31	255.95	122.46	0.00	1002.44	355.90
2016	66153	WELL 11 (HARN 51760/L- 102534)	126.48	0.00	0.00	0.00	0.00	0.00	34.54	200.13	82.16	142.25	234.03	176.31	995.90	355.90
2016	66154	WELL 10 (HARN 51765/L- 102536)	69.39					0.00	0.47	4.10	56.77	80.11	38.16	2.21	251.21	355.90
2016	66363	WELL 12 (HARN 51817/L- 107659)	126.16	0.00	0.00	0.00	0.00	41.55	169.61	107.40	179.31	255.95	122.46	0.00	1002.44	393.50
2016	66364	WELL 14 (HARN 51871/L- 109033)	108.26					43.37	176.47	243.97	124.43	217.08	188.85	0.00	1102.43	393.50
2016	66365	WELL 15 (HARN 51970/L- 111173)	111.18	0.00	0.00	0.00	0.00	44.71	173.32	137.52	127.19	210.85	155.10	0.00	959.87	393.50
2015	37925	WELL 1 (HARN	0.00	0.00	0.00	0.00	0.00	0.45	3.51	1.81	2.49	2.49	0.91	11.66		

Year	Well ID	Description	01	02	03	04	05	06	07	08	09	10	11	12
2015	63729	WELL 9 (HARN 514+8/L- 93552)								22.53	130.22	52.22	163.52	145.72 20.94 535.15
2015	64368	WELL 5 (HARN 51146 /L- 26615)	0.08							0.47	1.80	1.18	1.65	1.80 0.63 7.61
2015	64372	WELL 7 (HARN 51272 / L- 72702)	0.13							9.52	7.35	1.55	0.92	0.98 0.30 20.75
2015	66152	WELL 13 (HARN 51445/L- 104470)	0.00	0.00	0.00	0.00	0.00	0.00		11.32	105.65	63.32	105.17	133.75 48.57 467.78
2015	66153	WELL 11 (HARN 51760/L- 102534)								33.12	167.95	76.53	145.13	137.91 36.55 597.19
2015	66154	WELL 10 (HARN 51765/L- 102536)	0.00	0.00	0.00	0.00	0.00	0.00		11.24	90.25	102.19	122.77	125.49 44.83 496.77
2015	66364	WELL 14 (HARN 51871/L- 109033)	0.00	0.00	0.00	0.00	0.00	0.00		14.70	13.37	10.77	12.57	17.82 8.59 77.82
2014	37925	WELL 1 (HARN 1094/L- 102506)								70.96	280.20	87.39	145.43	117.88 35.71 737.57
2014	63729	WELL 9 (HARN 514+8/L- 93552)	0.00	0.00	0.00	0.00	0.00	0.00		6.31	98.22	18.67	175.37	122.25 0.00 420.82
2014	64368	WELL 5 (HARN 51146 /L- 26615)	0.08	0.00	0.00	0.00	0.00	0.00		44.73	187.63	72.54	119.47	70.35 0.71 495.51
2014	64372	WELL 7 (HARN 51272 / L- 72702)	0.13	0.00	0.00	0.00	0.00	0.00		26.01	75.73	16.97	55.47	62.89 13.32 250.52
2014	66152	WELL 13 (HARN	0.04	0.00	0.00	0.00	0.00	0.00		8.05	40.58	47.03	41.34	54.94 48.65 240.63

[illegible]

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 = 60
Efficiency = 7.04
Lift = 400
PSI = 40

Results Calculated

$(\text{hp})(\text{efficiency}) = 422.4$
Head based on psi = 101.6
Total dynamic head = 501.6
(head + lift)

Pump Capacity = 0.842 cubic feet per second

well 7

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 = 250
Efficiency = 7.04
Lift = 200
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 1760$
Head based on psi = 101.6
Total dynamic head = 301.6
(head + lift)

Pump Capacity = 5.835 cubic feet per second

well 10

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 =	<u>250</u>
Efficiency =	<u>7.04</u>
Lift =	<u>200</u>
PSI =	<u>40</u>

Results Calculated

(hp)(efficiency) =	1760
Head based on psi =	101.6
Total dynamic head = (head + lift)	301.6

Pump Capacity = 5.835 cubic feet per second

well 11

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 = 250
Efficiency = 7.04
Lift = 200
PSI = 40

Results Calculated

(hp)(efficiency) = 1760
Head based on psi = 101.6
Total dynamic head = 301.6
(head + lift)

Pump Capacity = 5.835 cubic feet per second

well 12

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 = 250
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 528$
Head based on psi = 101.6
Total dynamic head = 351.6
(head + lift)

Pump Capacity = 1.502 cubic feet per second

well 13

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 = 250
Efficiency = 7.04
Lift = 285
PSI = 40

Results Calculated

$(hp)(\text{efficiency}) = 1760$
Head based on psi = 101.6
Total dynamic head = 386.6
(head + lift)

Pump Capacity = 4.552 cubic feet per second

well 14

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 = 285
PSI = 40

Results Calculated

$(\text{hp})(\text{efficiency}) = 1760$
Head based on psi = 101.6
Total dynamic head = 386.6
(head + lift)

Pump Capacity = 4.552 cubic feet per second

well 15

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 =	<u>250</u>
Efficiency =	<u>7.04</u>
Lift =	<u>415</u>
PSI =	<u>40</u>

Results Calculated

(hp)(efficiency) =	1760
Head based on psi =	101.6
Total dynamic head =	516.6
(head + lift)	

Pump Capacity = 3.407 cubic feet per second

well 16

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 =	<u>250</u>
Efficiency =	<u>7.04</u>
Lift =	<u>250</u>
PSI =	<u>40</u>

Results Calculated

(hp)(efficiency) =	1760
Head based on psi =	101.6
Total dynamic head = (head + lift)	351.6

Pump Capacity = 5.005 cubic feet per second

well 17

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 =	<u>200</u>
Efficiency =	<u>7.04</u>
Lift =	<u>375</u>
PSI =	<u>40</u>

Results Calculated

(hp)(efficiency) =	1408
Head based on psi =	101.6
Total dynamic head =	476.6
(head + lift)	

Pump Capacity = 2.954 cubic feet per second

well 18



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

TRANSMITTAL

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

Date: 11/20/2018
Attention: COBU
RE: COBU for G-17989

☒ Prints ☐ Plans ☐ Plat ☐ Specifications.

Attached is the Claim of Beneficial Use for Permit G-17989 for Andy Root.

If you have any questions please call or email me.

Copies	No.	Description
1	1	Claim of Beneficial Use (3) pages letter bond)
1	2	Final Proof map (1 page mylar)
1	3	Pump Test Exemption fm w/well logs (3 pages letter bond)
1	4	Aerial Imagery (1 page letter bond)
1	5	Check for \$200
1	6	Well logs (12 pages letter bond)

Signed: Deise Montgomery

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**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-16983	G-17989	T-12257

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2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME 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

ADDITIONAL PERMIT HOLDER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection: **7/18/2018**

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Andy Root	7/18/2018	Owner/Permit Holder

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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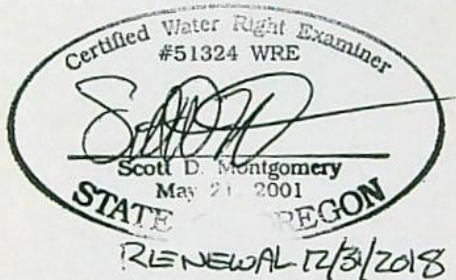
SECTION 2
SIGNATURES

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CWRE Statement, Seal and Signature

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

Seal and Signature



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
	Andy Root	Owner/Permit Holder	11-14-18

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)
#7	HARN 51272	L-72702
#10	HARN 51765	L-102536
#11	HARN 51760	L-102534
#12	HARN 51817	L-107659
#13	HARN 51445	L-104470
#14	HARN 51871	L-109033
#15	HARN 51970	L-111173
#16	HARN 52121	L-116668
#17	HARN 52154	L-116674
#18	HARN 52170	L-117161

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
#7	Harney Lake Basin	
#10	Harney Lake Basin	
#11	Harney Lake Basin	
#12	Harney Lake Basin	
#13	Harney Lake Basin	
#14	Harney Lake Basin	
#15	Harney Lake Basin	
#16	Harney Lake Basin	
#17	Harney Lake Basin	
#18	Harney 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)
#7	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	0.84 cfs
#10	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	2.36 cfs
#11	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	5.84 cfs
#12	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	5.84 cfs
#13	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	1.50 cfs
#14	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	2.24 cfs
#15	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	3.81 cfs
#16	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	0.89 cfs
#17	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	5.01 cfs
#18	IR	Alfalfa/Grass Hay	Mar 1 - Oct 31	2.03 cfs
Total Quantity of Water Used				18.68 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 wells 7, & 10 – 17 and conveyed by buried pipe to center pivot sprinklers that irrigate the place of use.

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 authorized 13 wells. Only 10 wells are currently being used.

6. Claim Summary:

POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
#7	5.0 cfs*	0.84 cfs		IR	400.0**	400.0**
#10	5.0 cfs*	5.84 cfs	2.36 cfs	IR	400.0**	400.0**
#11	5.0 cfs*	5.84 cfs		IR	400.0**	400.0**
#12	5.0 cfs*	5.84 cfs		IR	400.0**	400.0**
#13	5.0 cfs*	1.50 cfs		IR	400.0**	400.0**
#14	5.0 cfs*	4.55 cfs	2.24 cfs	IR	400.0**	400.0**
#15	5.0 cfs*	4.55 cfs	3.81 cfs	IR	400.0**	400.0**
#16	5.0 cfs*	3.41 cfs	0.89 cfs	IR	400.0**	400.0**
#17	5.0 cfs*	5.01 cfs		IR	400.0**	400.0**
#18	5.0 cfs*	2.95 cfs	2.03 cfs	IR	400.0**	400.0**

*Total flow of 5.0 cfs to be supplied collectively from all wells

**Total area of 400.0 acres supplied collectively 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):

#7 (HARN 51272)

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A. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	QQ	GLot	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
25S	30E	WM	32	NE SE			IR	36.5	
25S	30E	WM	32	NW SE			IR	14.5	
25S	30E	WM	32	SW SE			IR	8.7	
25S	30E	WM	32	SE SE			IR	24.3	
25S	30E	WM	33	NE SW			IR	30.2	
25S	30E	WM	33	NW SW			IR	31.2	
25S	30E	WM	33	SW SW			IR	26.7	
25S	30E	WM	33	SE SW			IR	27.0	
26S	30E	WM	4	NE NW	3		IR	35.9	
26S	30E	WM	4	NW NW	4		IR	25.7	
26S	30E	WM	4	SW NW			IR	16.1	
26S	30E	WM	4	SE NW			IR	13.6	
26S	30E	WM	4	NW SW			IR	20.1	
26S	30E	WM	4	SW SW			IR	5.5	RECEIVED NOV 26 2018
26S	30E	WM	5	NE NE	1		IR	5.5	
26S	30E	WM	5	SE NE			IR	15.1	
26S	30E	WM	5	NE SE			IR	24.3	OWRD
26S	30E	WM	5	SE SE			IR	38.1	
26S	30E	WM	8	NE NE			IR	1.0	
Total Acres Irrigated								400.0	

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
Johnston	1465	UNK	Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	60

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)
60	40	350'	50'	0.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(60)}{501.6} = 0.84$$

Total head, ft 501.6

$$\text{Total head} = 101.6' + 350' + 50' = 501.6$$

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)

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"	3 ¼ miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimatic #21	1800'	30	1000	2.23
Lindsay Zimatic #22	755'	30	500	1.11
Lindsay Zimatic #23	755'	30	500	1.11
Lindsay Zimatic #24	1000'	30	700	1.56
Lindsay Zimatic #25	910'	30	700	1.56
Lindsay Zimatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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" threaded plug NW 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

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D. Storage

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

NO

OWRD

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

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

#10 (HARN 51765)

A. Place of Use

1. Is the right for municipal use? Same as #7

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	1116VL7100B0220F	Turbine	14"	12"

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	150'	50'	5.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{301.6} = 5.84 \text{ cfs}$$

$$\text{Total head} = 101.6' + 150' + 50' = 301.6'$$

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)
554.679 AF	554.692 AF	4 min	2.36

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimatic #21	1800'	30	1000	2.23
Lindsay Zimatic #22	755'	30	500	1.11
Lindsay Zimatic #23	755'	30	500	1.11
Lindsay Zimatic #24	1000'	30	700	1.56
Lindsay Zimatic #25	910'	30	700	1.56
Lindsay Zimatic #26	1185'	30	900	2.00

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12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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" threaded plug 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

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

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

#11 (HARN)

A. Place of Use

1. Is the right for municipal use? Same as #7

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	Turbine	14"	12"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	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	150'	50'	5.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hpxhp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{301.6} = 5.84 \text{ cfs}$$

$$\text{Total head} = 101.6' + 150' + 50' = 301.6'$$

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	1/4 MILE	STEEL	BURIED
8"	3 MILES	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	4	4	0.45

Reminder: For sprinkler output determination use the reference information at the end of this document.

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OWRD

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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" threaded plug 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

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

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

#12 (HARN 51817)

A. Place of Use

1. Is the right for municipal use? Same as #7

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	12V7576	M110700	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	150'	50'	5.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{301.6} = 5.84 \text{ cfs}$$
$$\text{Total head} = 101.6' + 150' + 50' = 301.6'$$

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"		Steel	

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

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3/4"	40	50	4	4	0.45

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)
Lindsay Zimatic #21	1800'	30	1000	2.23
Lindsay Zimatic #22	755'	30	500	1.11
Lindsay Zimatic #23	755'	30	500	1.11
Lindsay Zimatic #24	1000'	30	700	1.56
Lindsay Zimatic #25	910'	30	700	1.56
Lindsay Zimatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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 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
See well logs						

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)

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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

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

#13 (HARN 51445)

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A. Place of Use

1. Is the right for municipal use? Same as #7

OWRD

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
American	MARSH	390112	Turbine	12"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	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	190'	60'	1.50

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(75)}{351.6} = 1.50 \text{ cfs}$$
$$\text{Total head} = 101.6' + 190' + 60' = 351.6'$$

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	3 ½ miles	Steel	Buried
12"	¼ mile	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)
¾"	40	50	4	4	0.45

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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 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

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

#14 HARN 51871)

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NOV 26 2018

A. Place of Use

1. Is the right for municipal use? Same as #7

OWRD

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	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	220'	65'	4.55

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{386.6} = 4.55 \text{ cfs}$$

$$\text{Total head} = 101.6' + 220' + 65' = 386.6'$$

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)
715.875 AF	715.892 AF	5 min 30 sec	2.24

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"	¾ miles	Steel	Buried
12"	¼ miles	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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 ½ capped pipe E side of casing, Also threaded plug out of N side

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OWRD

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

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

#15 (HARN 51970)

NOV 26 2018

A. Place of Use

OWRD

1. Is the right for municipal use? See well #7

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	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	220'	65'	4.55

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{386.6} = 4.55 \text{ cfs}$$

$$\text{Total head} = 101.6' + 220' + 65' = 386.6'$$

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)
517.887 AF	517.908 AF	4 min	3.81

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	¾ mile	Steel	Buried
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

C. Groundwater Source Information (Well and Sump)

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

NO

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

2' uncapped pipe NW side of casing

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OWRD

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 logs						

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

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D. Storage

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

OWRD

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

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

#16 (HARN 52121)

A. Place of Use

1. Is the right for municipal use? Same as well #7

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
Goulds	UNK	M01431	Turbine	16"	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	350'	65'	3.41

5. Provide pump calculations:

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$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{516.6} = 3.41 \text{ cfs}$$

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$$\text{Total head} = 101.6' + 350' + 65' = 516.6'$$

OWRD

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)
595.587 AF	595.591 AF	3 min 15 sec	0.89

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"	2 ½ miles	Steel	Buried
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimatic #21	1800'	30	1000	2.23
Lindsay Zimatic #22	755'	30	500	1.11
Lindsay Zimatic #23	755'	30	500	1.11
Lindsay Zimatic #24	1000'	30	700	1.56
Lindsay Zimatic #25	910'	30	700	1.56
Lindsay Zimatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system.

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 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)

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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

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

#17 (HARN 52154)

A. Place of Use

1. Is the right for municipal use? Same as well #7

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	Turbine	16"	12"

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	200'	50'	5.01

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{351.6} = 5.01 \text{ cfs}$$

$$\text{Total head, ft} = 101.6' + 200' + 50' = 351.6'$$

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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)

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"	1/4 mile	Steel	Buried
8"	3 miles	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	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

NOV 26 2018

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

OWRD

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 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 logs						

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

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

#18 (HARN 52170)

A. Place of Use

1. Is the right for municipal use? Same as well #7

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	Turbine	16"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	200

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)
200	40	310'	65'	2.95

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(200)}{476.6} = 2.95 \text{ cfs}$$

$$\text{Total head} = 101.6' + 310' + 65' = 476.6'$$

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)
101.293 AF	101.300	2 min 30 sec	2.03

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'	2 ½ miles	Steel	Buried
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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:

1 1/2" uncapped pipe SW 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

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	10/08/2018		
BEGIN CONSTRUCTION (A)	Not mentioned	NA	NA
COMPLETE CONSTRUCTION (B)	Not mentioned	NA	NA
COMPLETE APPLICATION OF WATER (C)	10/1/2019	10/8/2018	Irrigation system complete & metering & reporting usage

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

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

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NO

3. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? **OWRD** YES

b. What month was the initial measurement to be taken in?

March

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? NO

** Claims will not be reviewed until a pump test or exemption has been approved by the Department

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

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
#7	McCrometer	13-02053-08	Not running	234.830 AF	2013
#10	McCrometer	13-02056-12	Working	554.692 AF	2013
#11	McCrometer	13-02057-12	Not running	849.812 AF	2013
#12	McCrometer	13-02054-10	Not running	052.633 AF	2013
#13	McCrometer	15-01174-08	Not running	0.000 AF	2015
#14	McCrometer	15-01187-10	Working	715.892 AF	2015
#15	McCrometer	17-08127-10	Working	517.908 AF	2017
#16	McCrometer	15-01187-10	Working	595.591 AF	2015
#17	McCrometer	15-04984-12	Not running	951.361 AF	2015
#18	McCrometer	15-01190-10	Working	101.300 AF	2015

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? NO
- c. Was submittal of a water management and conservation plan required? NO
- d. Other conditions? YES

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

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Usable access port
OWRD Well ID Tag is attached
Riparian area

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OWRD

SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Well Logs	HARN 51272, 51765, 51445, 51871, 51970, 52121, 52154 & 52170, 51760 & 51817
Aerial imagery	NRCS aerial imagery from June 2016
Pump Test Exemption Fm	

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SECTION 7

CLAIM OF BENEFICIAL USE MAP

OWRD

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. boundary lines using survey-grade GPS receivers in RTK autonomous mode. Lines & points were compared with 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

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

Revised Log
HARN 51272
Harney 51272

WELL I.D. # L 72702

START CARD # 169131

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

(1) LAND OWNER Name Andy Root Well Number _____
Address 00 Box 946
City Burns State OR Zip 97720

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

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

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

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 375 ft.
Explosives used: ☐ Yes ☐ No Type _____ Amount _____

BORE HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds	
18	0	44	Bent	17	44	245	245
18	0	17	Cement	0	17	14	14
14	44	240					
12	240		Cement			275	

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Pour Down Dry Bentonite
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	0	77	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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
☐ 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"/>
						<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 550 Drawdown 102 Drill stem at 200 Time 4 hrs

Temperature of water 60 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes ☒ No
Did any strata contain water not suitable for intended use? ☒ No ☐ Too little
☐ Salty ☐ Muddy ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)

County Harney
Tax Lot 2002 Lot _____
Township 25 N or S Range 30 E or W WM
Section 34 SE 1/4 SW 1/4
Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL

98 ft. below land surface. Date 4-30-06
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES

Depth at which water was first found 349

From	To	Estimated Flow Rate	SWL
<u>349</u>	<u>371</u>	<u>500</u>	<u>98</u>

(12) WELL LOG

Material	From	To	SWL
Top Soil	0	3	-
Red Cinders	3	26	-
Brown Sand			
Stone	26	35	-
Brown Gravel			
w/ Green Clay			
Seam	35	349	-
White Brown			
Blue Pumice	349	371	98
Green Clay	371	375	98

Date Started 3-26-06 Completed 4-30-06

(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.

WWC Number _____ Date _____

Signed _____

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(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.

WWC Number 1521 Date 9-15-06

Signed Donald M. Keane

SEP 18 2006

WATER RESOURCES DEPARTMENT
SALEM, OREGON

FIRST COPY - CONSTRUCTOR

SECOND COPY - CUSTOMER

06/16/2004

HARN 51765

HARN 51765

Page 1 of 1

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER

Owner Well I.D. well 21

First Name Andy Last Name Root
 Company ACW
 Address PO Box 3
 City Burns State 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 copyDepth of Completed Well 167.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
18	0	18	Bentonite Chips	0	18	90	S
14	18	167					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other poured dr & tampedBackfill 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	Plst	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	14	1.5	60	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) Temp casing ☐ Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method Screens Type Material

Per/S	Casing/	Screen	From	To	Serm/slot	Slot	# of	Tele/
green	Liner	Dia	From	To	width	length	slots	pipe size

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

☒ Pump ☐ Flow ☐ Air ☐ Rising Artesian
 Yield/gpm 2800 Drawdown 2 Test depth 162 Duration (hr) 2

Water quality concerns ☐ Yes (describe below)

From	To	Description	Amount	Units
------	----	-------------	--------	-------

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N/S Range 30.00 E E/W WM
 Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800
 Tax Map Number Lot
 Lat " or DMS or DD
 Long " or DMS or DD
☒ Street address of well ☐ Nearest address

29062 Weaver Spring Road

(10) STATIC WATER LEVEL

Date 02-11-2011 SWL (psi) + SWL (ft) 104
 Existing Well / Predeepening
 Completed Well 02-11-2011
 Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
02-11-2011	104	167	3.000		104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sand loam	0	1
Sand cinders	1	6
Clay cinders	6	60
Rock boulders	60	80
Cinders	80	95
Rock basalt black	95	140
Void	140	145
Cinders multi colored	145	160
Rock broken loose and caving	160	167

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WATER RESOURCES DEPT
SALEM, OREGONDate Started 02-03-2011 OWRD Completed 02-11-2011

(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 period. I certify that the work performed during this time is in compliance with Oregon water supply well construction standards. This is true to the best of my knowledge and belief.

License Number 1424 Date 02-18-2011
 Electronically Filed
 Signed TIMOTHY A RILEY (E-Filed)
 Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

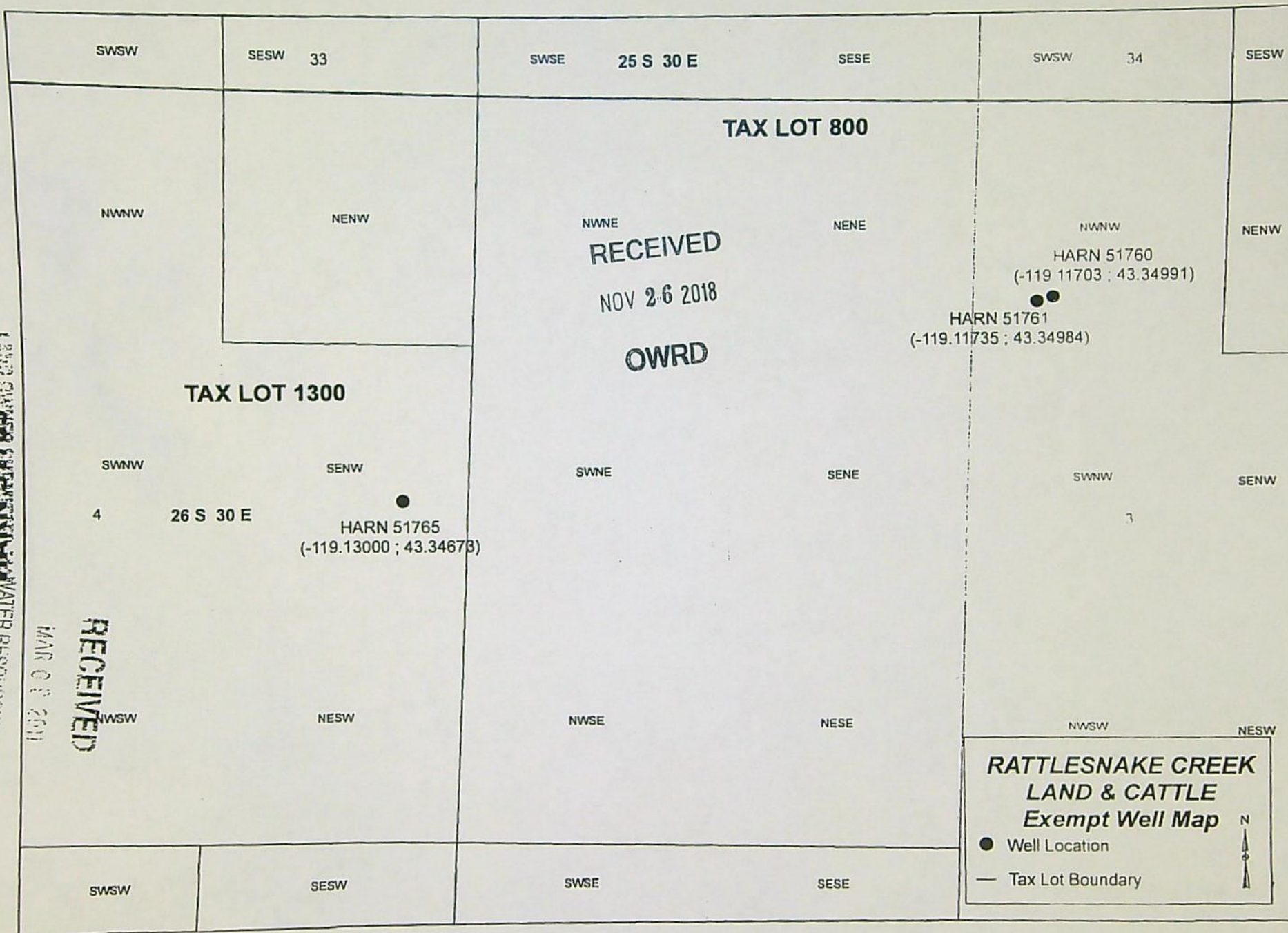
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version 0.95

LAND & CATTLE
HARN 51765
WATER RESOURCES DEPT
SALEM, OREGON

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HARN 51760

HARN 51760

Page 1 of 1

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

02-02-2011

WELL LABEL # 1102534

START CARD # 1012337

(1) LAND OWNER

Owner Well ID: 18

First Name Andy

Last Name Root

Company ACW

Address 524 N Hwy 20 PO Box 3

City Burns

State 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 195.00 ft

BORE HOLE

Dia	From	To	Material	SEAL	From	To	Am't	sacks/
18	0	24	Bentonite	0	24	80	S	
14	24	145						
12	145	198						

How was seal placed:

Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other Poured dry & tamp

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	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	102	.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"/>	<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"/>

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s)Temp casing ☐ Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type Material

Part S	Casing/	Screen	Liner	Dia	From	To	Screen slot	Slot	# of	Tele
screen							width	length	slots	pipe size

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

☒ Pump ☐ Doler ☐ Air ☐ Flowing Artesian

Field g.p.m. Drawdown Drill stem/liner depth Duration (hr)

2,800 5 145 4

Temperature 60 °F Lab analysis ☐ Yes ☐ NoWater quality concerns? ☐ Yes (describe below)

From To Description Amount Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N/S Range 30.00 E E/W WM

Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number Lot

Lat " 0 " or DMS or DD

Long " 0 " or DMS or DD

☒ Street address of well ☐ Nearest address

29062 Weaver Springs Road

(10) STATIC WATER LEVEL

Existing Well / Predeepening Date SWL (psi) + SWL (ft)
Completed Well 01-28-2011 104

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 104

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
01-28-2011	104	198	3,000		104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sandy loam	0	1
Cinders sand	1	6
Cinders	6	12
Clay cinders	12	100
Cinders fine	100	121
Rock black	121	155
Cinders multi colored	155	180
Rock black	180	187
Cinders multi colored	187	195
Cobbles caving	195	198

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MAY 12 2011

WATER RESOURCES DEPT
SALEM, OREGON

Date Started 01-21-2011

Completed 01-28-2011

(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

(bonded) 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. This report is true to the best of my knowledge and belief.

License Number 1424 Date 02-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

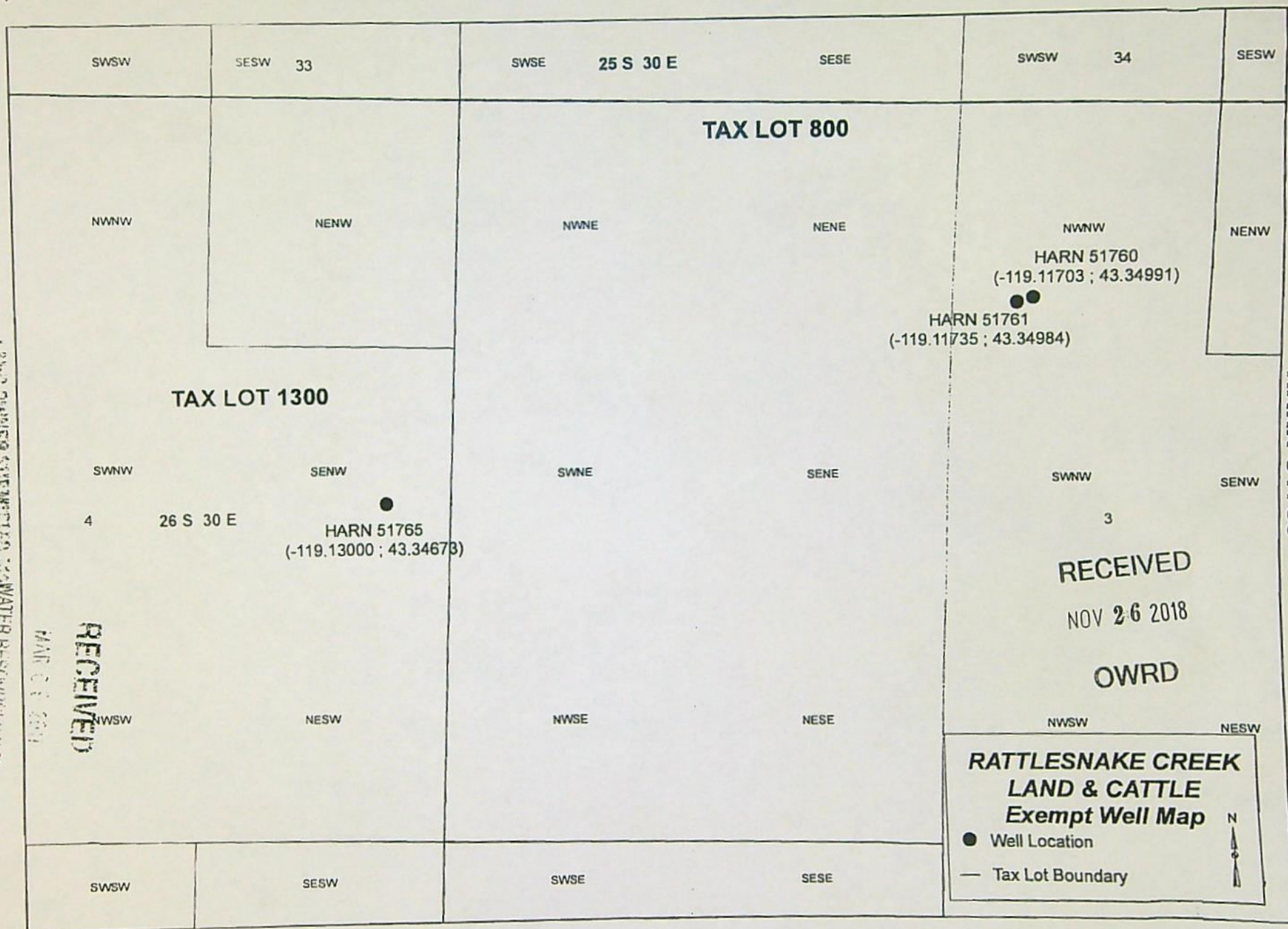
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

LAND OWNER SUBMITTED WATER RESOURCES DEPT
SALEM, OREGON

MAR 03 2019

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STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

11-02-2011

WELL LABEL # L 107659

START CARD # 1015160

(1) LAND OWNER

Owner Well I.D. Leathers Weaver Spr.

First Name _____ Last Name _____
 Company ACW
 Address PO Box 3
 City Burns State 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 170.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
18	0	18	Bentonite Chips	0	18	30	S
14	18	170					

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 _____

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	108	.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								
creen	Liner	Dia	From	To	Screen/slot	Slot	# of	Tele/		
					width	length	slots	pipe size		

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

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian
 Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)

1,000				
-------	--	--	--	--

Temperature 59 °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 25.00 S N/S Range 30.00 E E/W WM
 Sec 33 SE 1/4 of the NW 1/4 Tax Lot 2600
 Tax Map Number _____ Lot _____
 Lat _____ or _____ DMS or DD
 Long _____ or _____ DMS or DD
☐ Street address of well ☒ Nearest address

29062 Weaver Springs Road
 Burns, Or. 97720

(10) STATIC WATER LEVEL

Date	SWL (psi)	+	SWL (ft)
Existing Well / Predeepening			
Completed Well	10-21-2011		88

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 88

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
10-21-2011	88	170	1,000			88

(11) WELL LOG

Ground Elevation _____

Material	From	To
Topsoil Sandy Loam	0	2
Clay Sand	2	11
Clay Brown	11	32
Clay Cinders Brown	32	49
Cinders Black	49	165
Rock Basalt Black	165	170

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OWRD

Date Started 10-18-2011 Completed 10-21-2011

(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 11-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

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

HARN 51445

WELL LABEL # L 104470 51445 Ham
START CARD # 189552

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

(1) LAND OWNER Owner Well I.D. _____
First Name _____ Last Name _____
Company Rattle Snake Creek Land & Cattle Co
Address 524 Hwy 20
City Bines State OR Zip 97338

(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 ☐ Injection
☐ Thermal ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Standard: ☐ Yes (attach copy)
Depth of Completed Well 280 ft.

BORE HOLE			SEAL			Amount	Slugs/lbs
Dia	From	To	Material	From	To		
20"	C	35	Grout	C	35	44	
14"	35	280					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
Filter pack from _____ ft. to _____ ft. Material _____ Size _____
Explosives used: ☐ Yes Type _____ Amount _____

Casing	Liner	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
X		14"	H	0	35	.250	X		X	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____
Temporary casing ☐ Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type _____ Material _____

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

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian
Yield gal/min 1000 Drawdown 120' Drill stem/Pump depth _____ Duration (hr) 4 hr

Temperature 50 °F Lab analysis ☐ Yes By _____
Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County Harnett Twp 25 N or S Range 30 E or W W.M.
Sec 33 NE 1/4 of the NE 1/4 Tax Lot 3700
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
Street Address of Well (or nearest address) No A Hwy 55
455192

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well/Predeepening	<u>2-10-08</u>			<u>92</u>
Completed Well				

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
<u>2-10-08</u>	<u>140</u>	<u>190</u>	<u>7000-</u>			<u>92</u>

(11) WELL LOG

Ground Elevation _____

Material	From	To
TOP Soil	0	2
Sand gravel	2	25
Black sand stone	25	90
Bluish clay	90	140
Purple clay	140	190
Tan clay	190	275
Sand gravel	275	280

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NOV 26 2018

WATER RESOURCES DEPT
SALEM, OREGON

OWRD

Date Started 1-27-08 Completed 2-10-08

(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 1654 Date 4-23-08

Signed _____

Contact Info. (optional)

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

HARN 52121

10/27/2014

WELL I.D. LABEL# L

START CARD #

ORIGINAL LOG #

Page 1 of 1

116668

1024513

(1) LAND OWNER

Owner Well I.D. _____
First Name ANDY Last Name ROOT
Company ACW
Address P.O. BOX 326
City BURNS State OR Zip 97720

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Dia + From To Gauge Stl 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 385.00 ft.

BORE HOLE

Dia	From	To	Material	From	To	Amt	sacks/lbs
24	0	54	Bentonite Chips	0	54	61	S
20	54	332					
12	332	385					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other POURED DRY

Backfill placed from 50 ft. to 54 ft. Material BENTONITE

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 Stl Plstc Wld Thrd
☒ ☒ 20 ☒ 2 54 .250 ☒ ☒ ☒ ☒
☒ ☒ 16 ☒ 2.5 332 .250 ☒ ☒ ☒ ☒
Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____
Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method Factory

Perf/	Casing/ Screen	Screen Type	Material	Perf/	Casing/ Screen	Screen Type	Material
Perf/	Liner	Dia	From	To	width	length	# of slots
		16	192	332	.125	3	8512

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem Pump depth Duration (hr)
2500 16 160 S

Temperature 58 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 25.00 S N/S Range 30.00 E E/W WM
Sec 29 NE 1/4 of the SE 1/4 Tax Lot 2600
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD

☒ Street address of well ☐ Nearest address

29062 WEAVER SPRINGS LN. BURNS, OR 97720

(10) STATIC WATER LEVEL

Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 10/21/2014 _____ 92
Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 105.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
10/23/2014	105	385	3500		92

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	3
Tan Clay and Cinders	3	20
Black sand & Cinders	20	39
Black Cinder Stone Fractured	39	185
Cinder stone w/ grey clay layers	185	218
Broken cinder stone	218	330
Broken Basalt	330	385

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DEC 03 2014

SALEM, OR

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Date Started 10/1/2014 Complete 10/21/2014

(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 1739 Date 10/27/2014

Signed CHARLES MERY (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 10/27/2014

Signed ARTHUR L. FRY (E-filed)

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version



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

May 13, 2019

Northwest Farm Credit Services, FLCA
650 Hawthorne Ave SE, Suite 210
Salem, OR 97301-5895

Reference: Application G-16983, Permit G-17989

The assignment from Andy Root to Northwest Farm Credit Services, FLCA, Charles W. Eggert, and Louanna Eggert has been recorded in the records of the Water Resources Department.

The Departments records will now show Northwest Farm Credit Services, FLCA, Charles W. Eggert, and Louanna Eggert as the permit holders of record.

Our records have been changed accordingly and the original request is enclosed. Receipt number 129705 covering the recording fee is also enclosed.

Sincerely,

Mary F. Bjork
Water Rights Program Analyst
Water Right Services Division

Enclosure: Original Request and Receipt #129705

cc: Watermaster #10

Andy Root – 524 Hwy 20 N, Hines, OR 97738

Charles W. & Louanna Eggert – 18555 SW Teton Ave., Tualatin, OR 97062

Data Center, OWRD (cover letter & request)

File



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 # 129705

INVOICE #

RECEIVED FROM: Northwest Farm Credit Services
BY: 37021757
CASH: ☐ CHECK: ☒ OTHER: (IDENTIFY) ☐
TOTAL REC'D \$ 100.00

APPLICATION 6-16983
PERMIT
TRANSFER

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) Assignment \$ 100.00
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 \$
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: 129705 DATED: 5-6-19 BY: V. Jilani
Distribution - White Copy - Customer, Yellow Copy - Fiscal, Blue Copy - File, Buff Copy - Fiscal

** For Internal Use Only **

Control No.: 37021757

Paid To:
OREGON WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE, SUITE A
SALEM, OR 97301

Comments:
OR Water Resources Permit # G-17989/Silver Sage/sam

Mail To:
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Or 97301

Memo:
Date: 05/01/2019 Amount: \$100.00

1800127974 6241980-101 \$100.00 - OR Water Resources

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MAY 06 2019
OWRD

Control No.: 37021757

Paid To:
OREGON WATER RESOURCES DEPARTMENT
725 SUMMER STREET NE, SUITE A
SALEM, OR 97301

Comments:
OR Water Resources Permit # G-17989/Silver Sage/sam

Mail To:
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Or 97301

Customer No. Account No. Amount
1800127974 6241980-101 \$100.00

Date: 05/01/2019 Amount: \$100.00

Memo:

DETACH BEFORE DEPOSITING



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

Request for Assignment

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MAY 06 2019

OWRD

If the Department determines that the application is incomplete, fees have not been paid, or the required documents are not acceptable, the application and all fees submitted will be returned to the applicant.

If for multiple rights, a separate form and fee for each right will be required.

I, Andy Root

(Name of Current Holder of Record)

524 HWY 20 N HINES, OR 97138 541-589-0107
(Mailing Address) (City) (State) (Zip) (Phone #)

- ☒ hereby assign all my interest in and to the entire application/permit/transfer/limited license/groundwater statement; (example, sold all the land authorized under the right)
- ☐ hereby assign all my interest in and to a portion of application/permit/transfer/limited license/groundwater statement; (You must include a map showing the portion of the application/permit/transfer/limited license/groundwater statement to be assigned. Example, sold a portion of the land authorized under the right)
- ☐ hereby assign a portion of my interest in and to the entire application/permit/transfer/limited license/groundwater statement; (example, adding an additional person)

Application # _____; Permit # G-17989; Transfer # _____;

Limited License # _____; Groundwater Statement # _____;

as filed in the office of the Water Resources Director, to:

Northwest Farm Credit Services, FLCA

(Name of New Owner)

650 Hawthorne Ave SE, Suite 210

Salem, OR 97301-5895

(503) 373-3000

(Mailing Address)

(City) (State) (Zip)

(Phone #)

AND

Charles W. Eggert and Louanna Eggert

(Name of New Owner)

18555 SW Teton Ave.

Tualatin, OR 97062

(503) 692-9666

(Mailing Address)

(City) (State) (Zip)

(Phone #)

Note: If there are other owners of the property described in this application, permit, transfer order, limited license, or groundwater statement, you must provide a list of all other owners' names and mailing addresses and attach it to this form. Write the initials (first letters) of your first and last names at the spot indicated below _____.

AR I hereby certify that I have notified all other owners of the property described in this application, permit, transfer order, limited license, or groundwater statement of this Request for Assignment

Witness my hand this 4/23 day of April, 20 19
(Day) (Month) (Year)

Signature of Current Holder of Record Andy Root

Failure to provide any of the required information will result in the return of your application.

D This certifies assignment and record change at Oregon Water Resources Department effective 8:00 a.m. on date of receipt at Salem, Oregon.
Fee receipt # 129705
For Director by Mary F. Bjork, Program Analyst in Water Rights Division. MBR

The completed "Request for Assignment" form must be submitted to the Department along with the recording fee of \$100.

Assign. Approve
5-13-19 HOB

**BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON**

In the Matter of Permit Amendment)	FINAL ORDER APPROVING
T-12257, Harney County)	ADDITIONAL POINTS OF
)	APPROPRIATION AND
)	CHANGES IN PLACE OF USE

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 January 22, 2016, Andy Root filed an application for additional points of appropriation, and a change in place of use under Permits G-16461, G-17348, G-16829, and G-17127. The Department assigned the application number T-12257.
2. On January 24, 2013, the Department issued a Summary Order rescinding application G-17452, Permit G-16983, until proof of compliance with well construction standards could be shown for Well #21.
3. On February 8, 2013, the Department determined that Well #21 met the standards and re-instated Application G-17452 and issued a new permit G-17127.
4. On December 19, 2014, the Department approved an extension of time for complete application of water to October 1, 2019, for G-16461.
5. On July 8, 2016, the Department approved an extension of time for complete application of water to October 1, 2019, for G-16829.
6. Notice of the application for the permit amendment was published in the Department's weekly notice on February 2, 2016, and in the Burns Times Herald newspaper on September 26, 2018, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

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.

7. On June 9, 2016, the applicant's agent provided updated application pages and maps.
8. On January 9, 2018, the Department contacted the applicant's agent with regard to some lands that appear to not be contiguous to the original place of use.
9. On January 15, 2018, the Agent for the applicant provided the Department with amended tables and maps correcting the non-contiguous lands.
10. For clarity purposes some of the wells have been re-numbered and the descriptions now include the Department issued Well Identification numbers as described in findings of facts No. 9, No. 10, No. 12, and No. 14.
11. Permit Amendment Application T-12257 proposes for Permit G-17348 for additional points of appropriation from approximately 2.7 to 0.5 mile(s) from the existing points of Appropriation to:

Status	New POA#	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
New	#1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
New	#5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
New	#7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
Authorized	#9	25 S	30 E	WM	33	SE SW	HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
Authorized	#10	26 S	30 E	WM	3	NW NW	HARN 51765 - 985 FEET SOUTH AND 455 FEET EAST FROM THE NW CORNER OF SECTION 3
Authorized	#11	26 S	30 E	WM	3	NW NW	HARN 51760 - 1005 FEET SOUTH AND 375 FEET EAST FROM THE NW CORNER OF SECTION 3
Authorized	#12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2605 FEET SOUTH AND 2450 FEET EAST FROM THE NW CORNER OF SECTION 33
Authorized	#13	26 S	30 E	WM	4	NE NW	HARN 51445 - 1090 FEET SOUTH AND 2705 FEET WEST FROM THE NE CORNER OF SECTION 4
Authorized	#14	25 S	30 E	WM	33	SE SE	HARN 51871 - 1000 FEET NORTH AND 10 FEET WEST FROM THE SE CORNER OF SECTION 33
Authorized	#15	25 S	30 E	WM	33	SE SE	HARN 51970 - 1000 FEET NORTH AND 30 FEET WEST FROM THE SE CORNER OF SECTION 33
New	#16	25 S	30 E	WM	29	SE SE	HARN 52121 - 1200 FEET NORTH AND 900 FEET WEST FROM THE S 1/16 CORNER OF SECTIONS 28 AND 29
New	#17	25 S	30 E	WM	3	NW NW	HARN 52154 - 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
New	#18	25 S	30 E	WM	29	SE SE	HARN 52170 - 1200 FEET NORTH AND 850 FEET WEST FROM THE S 1/16 CORNER OF SECTIONS 28 AND 29

12. Permit Amendment Application T-12257 proposes for Permit G-16461 additional points of diversion as described in the table below:

Status	New POA#	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
New	#1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
New	#5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
Authorized	#7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
Authorized	#9	25 S	30 E	WM	33	SE SW	HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
New	#10	26 S	30 E	WM	3	NW NW	HARN 51765 - 985 FEET SOUTH AND 455 FEET EAST FROM THE NW CORNER OF SECTION 3
Authorized	#11	26 S	30 E	WM	3	NW NW	HARN 51760 - 1005 FEET SOUTH AND 375 FEET EAST FROM THE NW CORNER OF SECTION 3
Authorized	#12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2605 FEET SOUTH AND 2450 FEET EAST FROM THE NW CORNER OF SECTION 33
Authorized	#13	26 S	30 E	WM	4	NE NW	HARN 51445 - 1090 FEET SOUTH AND 2705 FEET WEST FROM THE NE CORNER OF SECTION 4
Authorized	#14	25 S	30 E	WM	33	SE SE	HARN 51871 - 1000 FEET NORTH AND 10 FEET WEST FROM THE SE CORNER OF SECTION 33

13. Permit Amendment Application T-12257 also proposes to change the place of use of permit G-16461 to:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
25 S	30 E	WM	32	NE SE		36.5
25 S	30 E	WM	32	NW SE		14.5
25 S	30 E	WM	32	SW SE		8.7
25 S	30 E	WM	32	SE SE		24.3
25 S	30 E	WM	33	NE SW		30.2
25 S	30 E	WM	33	NW SW		31.2
25 S	30 E	WM	33	SW SW		26.7
25 S	30 E	WM	33	SE SW		27.0
26 S	30 E	WM	4	NE NW	3	35.9
26 S	30 E	WM	4	NW NW	4	25.7
26 S	30 E	WM	4	SW NW		16.1
26 S	30 E	WM	4	SE NW		13.6
26 S	30 E	WM	4	NW SW		20.1
26 S	30 E	WM	4	SW SW		5.5
26 S	30 E	WM	5	NE NE	1	5.5
26 S	30 E	WM	5	SE NE		15.1
26 S	30 E	WM	5	NE SE		24.3
26 S	30 E	WM	5	SE SE		38.1
26 S	30 E	WM	8	NE NE		1.0
Total:						400.0

14. Permit Amendment Application T-12257 proposes for Permit G-16829 additional points of diversion as described in the table below:

Status	New POA#	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
New	#1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
New	#5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
New	#7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
Authorized	#9	25 S	30 E	WM	33	SE SW	HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
New	#10	26 S	30 E	WM	3	NW NW	HARN 51765 - 985 FEET SOUTH AND 455 FEET EAST FROM THE NW CORNER OF SECTION 3
New	#11	26 S	30 E	WM	3	NW NW	HARN 51760 - 1005 FEET SOUTH AND 375 FEET EAST FROM THE NW CORNER OF SECTION 3
New	#12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2605 FEET SOUTH AND 2450 FEET EAST FROM THE NW CORNER OF SECTION 33
New	#13	26 S	30 E	WM	4	NE NW	HARN 51445 - 1090 FEET SOUTH AND 2705 FEET WEST FROM THE NE CORNER OF SECTION 4
New	#14	25 S	30 E	WM	33	SE SE	HARN 51871 - 1000 FEET NORTH AND 10 FEET WEST FROM THE SE CORNER OF SECTION 33
New	#15	25 S	30 E	WM	33	SE SE	HARN 51970 - 1000 FEET NORTH AND 30 FEET WEST FROM THE SE CORNER OF SECTION 33
New	#16	25 S	30 E	WM	29	SE SE	HARN 52121 - 1200 FEET NORTH AND 900 FEET WEST FROM THE S 1/16 CORNER OF SECTIONS 28 AND 29
New	#17	25 S	30 E	WM	3	NW NW	HARN 52154 - 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
New	#18	25 S	30 E	WM	29	SE SE	HARN 52170 - 1200 FEET NORTH AND 850 FEET WEST FROM THE S 1/16 CORNER OF SECTIONS 28 AND 29

15. Permit Amendment Application T-12257 also proposes to change the place of use of permit G-16829 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
25 S	30 E	WM	34	SW NW	0.2
25 S	30 E	WM	34	SE NW	8.2
25 S	30 E	WM	34	NE SW	26.2
25 S	30 E	WM	34	NW SW	3.0
Total:					37.6

16. Permit Amendment Application T-12257 proposes for Permit G-17127 additional points of diversion as described in the table below:

Status	New POA#	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
New	#1	25 S	30 E	WM	33	SE NW	HARN 1094- 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
New	#5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
New	#7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
Authorized	#9	25 S	30 E	WM	33	SE SW	HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
Authorized	#10	26 S	30 E	WM	3	NW NW	HARN 51765 - 985 FEET SOUTH AND 455 FEET EAST FROM THE NW CORNER OF SECTION 3
Authorized	#11	26 S	30 E	WM	3	NW NW	HARN 51760 - 1005 FEET SOUTH AND 375 FEET EAST FROM THE NW CORNER OF SECTION 3
New	#12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2605 FEET SOUTH AND 2450 FEET EAST FROM THE NW CORNER OF SECTION 33
Authorized	#13	26 S	30 E	WM	4	NE NW	HARN 51445 - 1090 FEET SOUTH AND 2705 FEET WEST FROM THE NE CORNER OF SECTION 4
New	#14	25 S	30 E	WM	33	SE SE	HARN 51871 - 1000 FEET NORTH AND 10 FEET WEST FROM THE SE CORNER OF SECTION 33
New	#15	25 S	30 E	WM	33	SE SE	HARN 51970 - 1000 FEET NORTH AND 30 FEET WEST FROM THE SE CORNER OF SECTION 33
New	#16	25 S	30 E	WM	29	SE SE	HARN 52121 - 1200 FEET NORTH AND 900 FEET WEST FROM THE S 1/16 CORNER OF SECTIONS 28 AND 29
New	#17	25 S	30 E	WM	3	NW NW	HARN 52154 - 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
New	#18	25 S	30 E	WM	29	SE SE	HARN 52170 - 1200 FEET NORTH AND 850 FEET WEST FROM THE S 1/16 CORNER OF SECTIONS 28 AND 29

17. Permit Amendment Application T-12257 also proposes to change the place of use of permit G-17127 to:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	G-lot	Acres
25 S	30 E	WM	34	SE SW		0.17
25 S	30 E	WM	34	SW SE		1.08
26 S	30 E	WM	3	NW NE	3	30.31
26 S	30 E	WM	3	SW NE	3	34.66
26 S	30 E	WM	3	SE NE	3	0.69
26 S	30 E	WM	3	NE NW	3	21.0
26 S	30 E	WM	3	NW NW	4	9.04
26 S	30 E	WM	3	SW NW		40.06
26 S	30 E	WM	3	SE NW		38.41
26 S	30 E	WM	3	NE SW		23.05
26 S	30 E	WM	3	NW SW		11.23

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	G-lot	Acres
26 S	30 E	WM	3	SW SW		26.30
26 S	30 E	WM	3	NW SW		24.65
26 S	30 E	WM	3	NW SE		30.31
26 S	30 E	WM	3	SW SE		11.60
26 S	30 E	WM	4	SE NE		0.93
26 S	30 E	WM	4	SW SE		32.77
26 S	30 E	WM	4	SE SE		28.39
26 E	30 E	WM	9	NE NE		31.80
26 S	30 E	WM	9	NW NE		33.65
26 S	30 E	WM	9	SW NE		0.35
26 S	30 E	WM	9	SE NE		0.31
26 S	30 E	WM	10	NE NW		0.65
26 S	30 E	WM	10	NW NW		3.21
Total:						434.62

Permit Amendment Review Criteria

18. The changes as conditioned would not result in injury to other water rights.
19. The proposed place of use is owned and/or controlled by the permit holder.
20. The changes as conditioned do not enlarge the permit.
21. The changes do not alter any other terms of the permit.
22. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in points of appropriation, additional points of appropriation and change in place of use proposed by Permit Amendment Application T-12257 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The additional points of appropriation, and change in place of use proposed by Permit Amendment Application T-12257 are approved.
2. Permit G-17991, in the name of Rattlesnake Creek Land and Cattle, LLC. is issued to replace Permit G-16829, and incorporates the amendments approved by this order, the extension of time. Permit G-16829, in the name of Rattlesnake Creek Land and Cattle LLC. is no longer of any force or effect.
3. Permit G-17989, in the name of Rattlesnake Creek Land and Cattle, LLC. is issued to replace Permit G-16461, and incorporates the amendments approved by this order, the extension of time. Permit G-16461, in the name of Andy Root, is no longer of any force or effect.

4. Permit G-17990, in the name of Andy Root, is issued to replace Permit G-17348, and incorporates the amendments approved by this order. Permit G-17348, in the name of Andy Root, is no longer of any force or effect.
5. Permit G-17992, in the name of Rattlesnake Ranch Land and Cattle, LLC. is issued to replace Permit G-17127, and incorporates the amendments approved by this order. Permit 17127, in the name of Andy Root, is no longer of any force or effect.
6. 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.
7. Prior to water use from the proposed point of appropriation,
 - a) The permittee shall install a totalizing flow meter on each well. The totalizing flow meter must be installed and maintained in good working order consistent with those standards identified in OAR 690-507-645 (1) through (3). The permittee 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 meters; provided however, where the meter is located within a private structure, the Watermaster shall request access upon reasonable notice.
8. Water shall be acquired from the same aquifer as the original points of appropriation.
9. The former place of use shall no longer be irrigated as part of this permit.
10. All other terms and conditions of Permits G-16461, G-17990, G-17991, and G-17992 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 additional points of appropriation changes in points of appropriation and a change in place of use proposed under Permit Amendment Application T-12257 and approved by Special Order Vol. 109, Page 539, entered OCT 08 2018, and to describe an extension of time for complete application of water approved December 19, 2014. This permit supersedes Permit G-16461.

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

APPLICATION FILE NUMBER: G-16983

SOURCE OF WATER: THIRTEEN WELLS IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

POA	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
#1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
#5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
#7	25 S	30 E	WM	34	SE SW	HARN 51272 *- 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
#9	25 S	30 E	WM	33	SE SW	HARN 51448 *- 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
#10	26 S	30 E	WM	3	NW NW	HARN 51765 - 6310 FEET SOUTH AND 415 FEET EAST FROM THE NW CORNER OF SECTION 34
#11	26 S	30 E	WM	3	NW NW	HARN 51760 - 6340 FEET SOUTH AND 330 FEET EAST FROM THE NW CORNER OF SECTION 34

POA	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
#12	25 S	30 E	WM	33	SE NW	HARN 51817 -2690 FEET SOUTH AND 2890 FEET WEST FROM THE NE CORNER OF SECTION 33
#13	26 S	30 E	WM	4	NE NW	HARN 51445 -6415 FEET SOUTH AND 2745 FEET WEST FROM THE NE CORNER OF SECTION 33
#14	25 S	30 E	WM	33	SE SE	HARN 51871 -4314 FEET SOUTH AND 870 FEET WEST FROM THE NE CORNER OF SECTION 33
#15	25 S	30 E	WM	33	SE SE	HARN 51970- 4314 FEET SOUTH AND 920 FEET WEST FROM THE NE CORNER OF SECTION 33
#16	25 S	30 E	WM	29	SE SE	HARN 52121- 1200 FEET NORTH AND 900 FEET WEST FORM THE SE CORNER OF SECTION 29
#17	26 S	30 E	WM	3	NW NW	HARN 52154- 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
#18	25 S	30 E	WM	29	SE SE	HARN 52170- 1200 FEET NORTH AND 850 FEET WEST FROM THE SE CORNER OF SECTION 29

*Indicates an original point of Appropriation

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
25 S	30 E	WM	32	NE SE		36.5
25 S	30 E	WM	32	NW SE		14.5
25 S	30 E	WM	32	SW SE		8.7
25 S	30 E	WM	32	SE SE		24.3
25 S	30 E	WM	33	NE SW		30.2
25 S	30 E	WM	33	NW SW		31.2
25 S	30 E	WM	33	SW SW		26.7
25 S	30 E	WM	33	SE SW		27.0
26 S	30 E	WM	4	NE NW	3	35.9
26 S	30 E	WM	4	NW NW	4	25.7
26 S	30 E	WM	4	SW NW		16.1
26 S	30 E	WM	4	SE NW		13.6
26 S	30 E	WM	4	NW SW		20.1
26 S	30 E	WM	4	SW SW		5.5
26 S	30 E	WM	5	NE NE	1	5.5
26 S	30 E	WM	5	SE NE		15.1
26 S	30 E	WM	5	NE SE		24.3
26 S	30 E	WM	5	SE SE		38.1
26 S	30 E	WM	8	NE NE		1.0
Total:						400.0

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 and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

T-12257 Permit Amendment Conditions:

Before water use may begin, the water user shall

- a) Install a totalizing flow meter, or other suitable measuring device, at each point of appropriation.
- b) The water user shall maintain the meters of 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 are located within a private structure, the Watermaster shall request access upon reasonable notice.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and

- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the permittee shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

Extension of Time Conditions

Checkpoint Condition:

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2018.

- 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 537.25;

- 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.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

The well(s) 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.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR Chapter 635, Division 415, Section 030 adopted November 13, 1991 shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

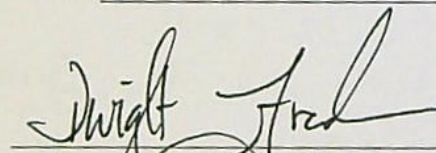
This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

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.

Completion of construction and application has been extended through an application of extension of time and is October 1, 2019. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued OCT 08 2018



Dwight French Water Right Services Administrator for
Thomas M. Byler, Director
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 additional points of appropriation changes in points of appropriation and a change in place of use proposed under Permit Amendment Application T-12257 and approved by Special Order Vol. 109, Page 539, entered OCT 08 2018. This permit supersedes Permit G-17348.

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

APPLICATION FILE NUMBER: G-17561

SOURCE OF WATER: THIRTEEN WELLS IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION OF 355.9 ACRES

MAXIMUM RATE: 5.9 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: JUNE 7, 2012

Well #	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
9	25 S	30 E	WM	33	SE SW	*HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
10	26 S	30 E	WM	3	NW NW	*HARN 51765 - 6310 FEET SOUTH AND 415 FEET EAST FROM THE NW CORNER OF SECTION 34
11	26 S	30 E	WM	3	NW NW	*HARN 51760 - 6340 FEET SOUTH AND 330 FEET EAST FROM THE NW CORNER OF SECTION 34
12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2690 FEET SOUTH AND 2890 FEET EAST FROM THE NE CORNER OF SECTION 33
13	26 S	30 E	WM	4	NE NW	*HARN 51445 - 6415 FEET SOUTH AND 2745 FEET WEST FROM THE NE CORNER OF SECTION 33
14	25 S	30 E	WM	33	SE SE	*HARN 51871 - 4314 FEET NORTH AND 870 FEET WEST FROM THE NE CORNER OF SECTION 33

Well #	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
15	25 S	30 E	WM	33	SE SE	*HARN 51970 - 4314 FEET NORTH AND 920 FEET WEST FROM THE SE CORNER OF SECTION 33
16	25 S	30 E	WM	29	SE SE	HARN 52121 -1200 FEET NORTH AND 900 FEET WEST FROM THE SE CORNER OF SECTION 29
17	25 S	30 E	WM	3	NW NW	HARN 52154 - 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
18	25 S	30 E	WM	29	SE SE	*HARN 52170 -1200 FEET NORTH AND 850 FEET WEST FROM THE SE CORNER OF SECTION 29

*Indicates an original point of Appropriation

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	GLot	Acres
25 S	30 E	WM	4	SE NW	-	0.7
25 S	30 E	WM	4	NE SW	-	35.4
25 S	30 E	WM	4	NW SW	-	7.7
25 S	30 E	WM	4	SE SW	-	0.6
25 S	30 E	WM	4	NE SE	-	28.2
25 S	30 E	WM	4	NW SE	-	33.9
25 S	30 E	WM	4	SW SE	-	0.8
25 S	30 E	WM	4	SE SE	-	0.7
26 S	30 E	WM	29	SW NE	-	33.6
26 S	30 E	WM	29	SE NE	-	8.2
26 S	30 E	WM	29	NE NW	-	35.3
26 S	30 E	WM	29	SE NW	-	38.3
26 S	30 E	WM	29	NE SW	-	22.6
26 S	30 E	WM	29	NE SW	-	17.4
26 S	30 E	WM	29	NW SE	-	10.2
26 S	30 E	WM	29	SW SE	-	27.0
26 S	30 E	WM	32	NW NE	-	7.8
26 S	30 E	WM	32	SW NE	-	0.5
26 S	30 E	WM	32	SE NW	-	28.8
26 S	30 E	WM	32	SE NW	-	18.2
Total:						355.9

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-SIXTIETH of one cubic foot per second and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

T-12257 Permit Amendment Conditions:

Before water use may begin, the water user shall

- Install a totalizing flow meter, or other suitable measuring device, at each point of appropriation.
- The water user shall maintain the meters of measuring devices in good working order.
- The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters are located within a private structure, the Watermaster shall request access upon reasonable notice.

Measurement devices and recording/reporting of annual water use conditions:

- A. Before water use may begin under this permit, 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 device in good working order.
- B. The permittee shall allow the watermaster access to the device; provided however, where any device is located within a private structure, the watermaster shall request access upon reasonable notice.
- C. The permittee shall keep a complete record of the volume of water diverted each month, and shall submit a report which includes 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.
- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

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

Static Water Level Conditions

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and

- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The Department may require the discontinuance of groundwater use, or reduce the rate or volume of withdrawal, from the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority..

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.

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

The well(s) shall be constructed and maintained in accordance with the General Standards for the Construction and Maintenance of Water Supply Wells in Oregon. The works shall be equipped with a usable access port adequate to determine water-level elevation in the well at all times.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

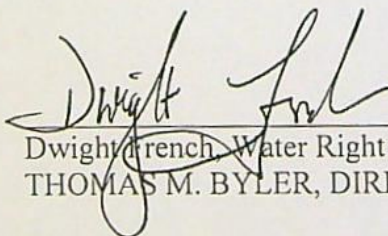
This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

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.

Completion of construction and application of the water shall be made by February 2, 2020, which is five years from of the permit original issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued OCT 08 2018


Dwight French, Water Right Services Administrator, for
THOMAS M. BYLER, DIRECTOR

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

RATTLESNAKE CREEK LAND AND CATTLE, LLC.
524 HWY 20 N
HINES, OR 97738

This superseding permit is issued to describe an amendment for additional points of appropriation changes in points of appropriation and a change in place of use proposed under Permit Amendment Application T-12257 and approved by Special Order Vol. 109, Page 539, entered OCT 08 2018, and to describe an extension of time for complete application of water approved July 8, 2016. This permit supersedes Permit G-16829.

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

APPLICATION FILE NUMBER: G-17146

SOURCE OF WATER: THIRTEEN WELLS IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 37.6 ACRES

MAXIMUM RATE: 0.47 CUBIC FOOT PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: NOVEMBER 24, 2008

WELL #	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
1	25 S	30 E	WM	33	SE NW	HARN 1094 - 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
5	25 S	30 E	WM	33	SW NE	HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
9	25 S	30 E	WM	33	SE SW	*HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
10	26 S	30 E	WM	3	NW NW	HARN 51765 - 6310 FEET SOUTH AND 415 FEET EAST FROM THE NW CORNER OF SECTION 34
11	26 S	30 E	WM	3	NW NW	HARN 51760 - 6340 FEET SOUTH AND 330 FEET EAST FROM THE NW CORNER OF SECTION 34

WELL #	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2690 FEET SOUTH AND 2890 FEET EAST FROM THE NE CORNER OF SECTION 33
13	26 S	30 E	WM	4	NE NW	HARN 51445 - 6415 FEET SOUTH AND 2745 FEET WEST FROM THE NE CORNER OF SECTION 33
14	25 S	30 E	WM	33	SE SE	HARN 51871 - 4314 FEET NORTH AND 870 FEET WEST FROM THE NE CORNER OF SECTION 33
15	25 S	30 E	WM	33	SE SE	HARN 51970 - 4314 FEET NORTH AND 920 FEET WEST FROM THE SE CORNER OF SECTION 33
16	25 S	30 E	WM	29	SE SE	HARN 52121 - 1200 FEET NORTH AND 900 FEET WEST FROM THE SE CORNER OF SECTION 29
17	25 S	30 E	WM	3	NW NW	HARN 52154 - 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
18	25 S	30 E	WM	29	SE SE	HARN 52170 - 1200 FEET NORTH AND 850 FEET WEST FROM THE SE CORNER OF SECTION 29

*In the table above indicates the Original Point of Appropriation.

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 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
25 S	30 E	WM	34	SW NW	0.2
25 S	30 E	WM	34	SE NW	8.2
25 S	30 E	WM	34	NE SW	26.2
25 S	30 E	WM	34	NW SW	3.0
Total:					37.6

T-12257 Permit Amendment Conditions:

Before water use may begin, the water user shall

- Install a totalizing flow meter, or other suitable measuring device, at each point of appropriation.
- The water user shall maintain the meters of measuring devices in good working order.
- The water user shall allow the Watermaster access to the meters or measuring devices; provided however, where the meters are located within a private structure, the Watermaster shall request access upon reasonable notice.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- 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.
- C. The Director may require the permittee to keep and maintain a record of the amount (volume) of water used, and may require the permittee to report water use on a periodic schedule as established by the Director. In addition, the Director may require the permittee to report general water-use information, the periods of water use and the place and nature of use of water under the permit.
- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

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

Extension of Time Conditions

Checkpoint Condition:

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2018.

- 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 537.25;
- 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.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.

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

The well(s) 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.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

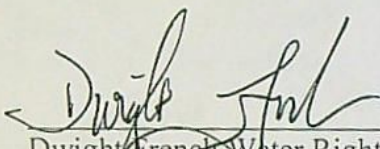
This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

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.

Completion of construction and application of the water was extended through an application for extension of time and is October 1, 2021. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued OCT 08 2018

A handwritten signature in dark ink, appearing to read "Dwight French", is written over a horizontal line.

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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

RATTLESNAKE CREEK LAND AND CATTLE LLC
524 HWY 20 N
HINES, OR 97738

This superseding permit is issued to describe an amendment for additional points of appropriation changes in points of appropriation and a change in place of use proposed under Permit Amendment Application T-12257 and approved by Special Order Vol. 109, Page 539, entered OCT 08 2018. This permit supersedes Permit G-17127.

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

APPLICATION FILE NUMBER: G-17452

SOURCE OF WATER: THIRTEEN WELLS IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION OF 434.62 ACRES

MAXIMUM RATE/VOLUME: 7.26 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: MARCH 10, 2011

WELL #	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
1	25 S	30 E	WM	33	SE NW	HARN 1094- 1317 FEET SOUTH AND 1355 FEET EAST FROM NW CORNER OF SECTION 33
5	25 S	30 E	WM	33	SW NE	*HARN 51146 - 4195 FEET SOUTH AND 2672 FEET WEST FROM THE NE CORNER OF SECTION 33
7	25 S	30 E	WM	34	SE SW	HARN 51272 - 4725 FEET SOUTH AND 1877 FEET EAST FROM THE NW CORNER OF SECTION 34
9	25 S	30 E	WM	33	SE SW	*HARN 51448 - 4423 FEET SOUTH AND 2750 FEET WEST FROM THE NE CORNER OF SECTION 33
10	26 S	30 E	WM	3	NW NW	*HARN 51765 - 6310 FEET SOUTH AND 415 FEET EAST FROM THE NW CORNER OF SECTION 34
11	26 S	30 E	WM	3	NW NW	*HARN 51760 - 6340 FEET SOUTH AND 330 FEET EAST FROM THE NW CORNER OF SECTION 34
12	25 S	30 E	WM	33	SE NW	HARN 51817 - 2690 FEET SOUTH AND 2890 FEET EAST FROM THE NE CORNER OF SECTION 33
13	26 S	30 E	WM	4	NE NW	*HARN 51445 - 6415 FEET SOUTH AND 2745 FEET WEST FROM THE NE CORNER OF SECTION 33

Application G-17452/T-12257

Water Resources Department

PERMIT G-17992

WELL #	Twp	Rng	Mer	Sec	Q-Q	Measured Distances
14	25 S	30 E	WM	33	SE SE	HARN 51871 - 4314 FEET NORTH AND 870 FEET WEST FROM THE NE CORNER OF SECTION 33
15	25 S	30 E	WM	33	SE SE	HARN 51970 - 4314 FEET NORTH AND 920 FEET WEST FROM THE NE CORNER OF SECTION 33
16	25 S	30 E	WM	29	SE SE	HARN 52121 - 1200 FEET NORTH AND 900 FEET WEST FROM THE SE CORNER OF SECTION 29
17	25 S	30 E	WM	3	NW NW	HARN 52154 - 6300 FEET SOUTH AND 440 FEET EAST FROM THE NW CORNER OF SECTION 34
18	25 S	30 E	WM	29	SE SE	HARN 52170 - 1200 FEET NORTH AND 850 FEET WEST FROM THE SE CORNER OF SECTION 29

***Indicates an Original Point of Appropriation.**

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-SIXTIETH of one cubic foot per second and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

SUPPLEMENTAL IRRIGATION						
Twp	Rng	Mer	Sec	Q-Q	G-lot	Acres
25 S	30 E	WM	34	SE SW		0.17
25 S	30 E	WM	34	SW SE		1.08
26 S	30 E	WM	3	NW NE	3	30.31
26 S	30 E	WM	3	SW NE	3	34.66
26 S	30 E	WM	3	SE NE	3	0.69
26 S	30 E	WM	3	NE NW	3	21.0
26 S	30 E	WM	3	NW NW	4	9.04
26 S	30 E	WM	3	SW NW		40.06
26 S	30 E	WM	3	SE NW		38.41
26 S	30 E	WM	3	NE SW		23.05
26 S	30 E	WM	3	NW SW		11.23
26 S	30 E	WM	3	SW SW		26.30
26 S	30 E	WM	3	NW SW		24.65
26 S	30 E	WM	3	NW SE		30.31
26 S	30 E	WM	3	SW SE		11.60
26 S	30 E	WM	4	SE NE		0.93
26 S	30 E	WM	4	SW SE		32.77
26 S	30 E	WM	4	SE SE		28.39
26 E	30 E	WM	9	NE NE		31.80
26 S	30 E	WM	9	NW NE		33.65
26 S	30 E	WM	9	SW NE		0.35
26 S	30 E	WM	9	SE NE		0.31
26 S	30 E	WM	10	NE NW		0.65
26 S	30 E	WM	10	NW NW		3.21
Total:						434.62

T-12257 Permit Amendment Conditions:

Before water use may begin, the water user shall

- a) Install a totalizing flow meter, or other suitable measuring device, at each point of appropriation.
- b) The water user shall maintain the meters of 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 are located within a private structure, the Watermaster shall request access upon reasonable notice.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- B. The permittee shall keep a complete record of the amount of water diverted 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.
- C. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where any meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

The Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. .

The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

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

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.

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

The well(s) 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.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR 635-415, shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

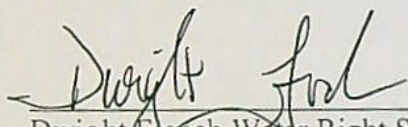
This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

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.

Completion of construction and application of the water shall be made by February 27, 2019, which is five years from the original permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued OCT 08 2018



Dwight French Water Right Services Administrator for
Thomas M. Byler, Director
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.Oregon.gov/OWRD

October 8, 2018

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

REFERENCE: Permit Amendment Application T-12257

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



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

January 2, 2019

Andy Root
Scott Montgomery
524 HWY 20N
Hines, OR 97738

REFERENCE: Application G-16983 / Permit G-16461

Dear Permit Holder:

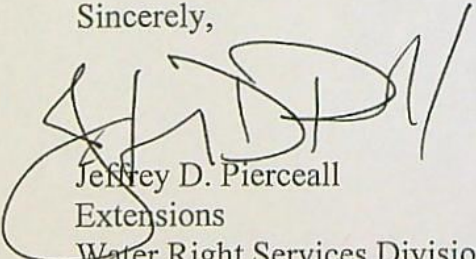
The Water Right Services Division received your written October 1, 2018 progress report for Permit G-16461 on October 5, 2018. Receipt of the progress report was published on the Department's weekly Public Notice, dated October 9, 2018. The Department did not receive any public comment on the progress report.

After reviewing your Progress Report, the Department determined that diligence toward completion of the project and compliance with the terms and conditions of the permit and extension has been demonstrated.

As per your most recent extension, the date by which water must be applied to full beneficial use within the terms and conditions of your permit is October 1, 2019.

If you have any questions, please feel free to contact me by telephone at (503) 986-0802.

Sincerely,



Jeffrey D. Pierceall

Extensions

Water Right Services Division

Enclosure

cc: Application G-16983
Watermaster District - #N/A





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

Extension of Time
Progress Report Form
For Checkpoints

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: Andy Root

Application G-16983

Permit G-16461

Progress Report for 2018

Report Due no later than October 1, 2018

DO NOT SUBMIT PRIOR TO 30 DAYS BEFORE DUE DATE

RECEIVED

OCT 05 2018

OWRD

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-16461.

FAILURE TO SUBMIT THIS REPORT WILL MOST LIKELY RESULT IN ANY FUTURE EXTENSION BEING DENIED.

	Installed totalizing flow meters on all three wells	
	Annual reports of water usage submitted to the Department	
	ANNUAL REPORTS OF STATIC WATER LEVEL SUBMITTED	
	TO THE DEPARTMENT.	

2. Describe actions to achieve compliance with conditions of the permit and/or previous extension.

Applicant has reported static water level & usage. Applicant has applied for in 2016 and awaiting final order to add wells and change place of use.

3. Total number of acres irrigated to date: 400 (NA if not applicable)

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, to date.

Maximum rate used to date = 5 cfs (cubic feet per second)

or

Maximum rate used to date = 2250 gpm (gallons per minute)

or

Acre Feet stored to date = 4 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.

INCOMPLETE REPORTS WILL BE RETURNED. AN ANSWER IS REQUIRED IN EACH ITEM.

Signature

[Signature]

Date 10/1/2018

Printed Name/Title SCOTT D. MONTGOMERY AGENT FOR ANDY ROOT

Diligence Shown ☒ Yes ☐ No

Date Public Noticed: _____

For OWRD use only

Reviewed by: _____

Date: _____

Route Slip.....Extension of Time Progress Report

1. Extension Specialist: Progress Report Review

Date Report was Due: October 1, 2018 (= "Deadline Date" for the corresponding ECP work flow record in WRIS)

Date Report Received: October 5, 2018

Report Complete: ☒ YES

☐ NO – Send letter requesting missing information.

☐ letter mailed on: November 9, 2018

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: 10/9/2018

☒ Update workflow in WRIS

☒ (Fill in Extension Checkpoint 'Completed Date' in appropriate "ECP" work flow record and

☒ add record for Checkpoint Public Notice ("EPR" or "EP2")

☒ Return file to Jeffrey Pierceall

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: November 9, 2018

☐ 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: Scott Montgomery

Application: G-16983

Permit: G-16461

County: Harney

Source: Well 1, Well 2, and Well 3 in Harney Lake Basin

Use: irrigation use on 400.0 acres



Oregon
Kate Brown, Governor

Water Resources Department

725 Summer St NE, Suite A

Salem, OR 97301

(503) 986-0900

Fax (503) 986-0904

December 4, 2018

Andy Root
524 Hwy 20 N
Hines, OR 97738

On November 26, 2018 the Water Resources Department received Claims of Beneficial Use (COBUs) for the following files:

Application G-16983 Permit G-17989

Application G-17561 Permit G-17990

Application G-17146 Permit G-17991

The COBUs included reports and maps. The Department hopes to review your submittals within approximately 2 - 4 years. At that time we will review these items and provide final certificates, proposed certificates, or requests 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

Checklist for Claims of Beneficial Use Received at CSG Counter

Application # <u>G-16983</u>	WRD Reviewer <u>Mary Bjore</u>
Transfer #	
Date Received <u>11-26-18</u>	
CWRE Name <u>Scott Montgomery</u>	

Priority Date: 12-17-07

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:
CASH <input type="checkbox"/> CHECK # <input type="checkbox"/> OTHER (IDENTIFY):	PERMIT
TOTAL RECEIVED \$	TRANSFER
001 TREASURY	4118 MISC CASH/ACCT
0407 COPIES	
0407 OTHER (IDENTIFY):	
0243 SURFACE WATER	0244 MISC WATER RIGHT FEE
0243 GROUND WATER	0245 CASH WATER
001 TREASURY	4118 MISC OPERATING ACCT
0407 MISCELLANEOUS	
0410 COPY & TAPE FEES	
0410 RESEARCH FEES	
0410 MISC REVENUE (IDENTIFY):	
TC162 DEPOSIT LAB (IDENTIFY):	
0240 EXTENSION OF TIME	
0201 WATER RIGHTS	EXAM FEE
0201 SURFACE WATER	0202
0201 GROUND WATER	0204
0201 TRANSFER	RECORD FEE
0218 WELL CONSTRUCTION	EXAM FEE
0218 WELL DRILL CONSTRUCTION	0219
0218 LANDOWNER'S PERMIT	0220
0218 OTHER (IDENTIFY):	
001 TREASURY	0407 HYDROELECTRIC
0223 POWER LICENSE FEE (FVWWRD)	EXAM FEE
0223 HYDRO LICENSE FEE (FVWWRD)	0224
HYDRO APPLICATION	RECORD FEE
SPECIAL INSTRUCTIONS:	

☐ RETURN TO APPLICANT - LETTER ATTACHED

Groundwater File Review:

Pump Test Required? ☒ YES NO

Pump Test Submitted? ☒ YES NO*

→ WR w/flow PTX rec'd 10-24-18
PTV " 11-20-18

*If no, include pump test flyer w/acknowledgment letter

**STATE OF OREGON
WATER RESOURCES DEPARTMENT**

RECEIPT # **128575**

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

INVOICE # _____

RECEIVED FROM: ACW, Inc dba, Andy's
BY: Custom Work

APPLICATION	<u>6-16983</u>
PERMIT	
TRANSFER	

CASH: ☐ CHECK# 30139 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

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 (FWWRD)		\$
0231 HYDRO LICENSE FEE (FWWRD)		\$
HYDRO APPLICATION		\$

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ \$ _____

RECEIPT: **128575**

DATED: 11/26/18 BY: [Signature]

**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-16983	G-17989	T-12257

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2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME 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

ADDITIONAL PERMIT HOLDER OF RECORD NA		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection: **7/18/2018**

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Andy Root	7/18/2018	Owner/Permit Holder

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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NOV 26 2018

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RECEIVED

NOV 26 2018

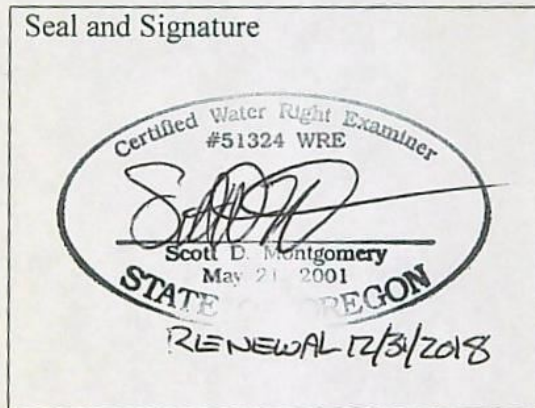
OWRD

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.

Seal and Signature




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 Andy Root	TITLE Owner/Permit Holder	DATE 11-14-18
--	--	-------------------------------------	-------------------------

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)
#7	HARN 51272	L-72702
#10	HARN 51765	L-102536
#11	HARN 51760	L-102534
#12	HARN 51817	L-107659
#13	HARN 51445	L-104470
#14	HARN 51871	L-109033
#15	HARN 51970	L-111173
#16	HARN 52121	L-116668
#17	HARN 52154	L-116674
#18	HARN 52170	L-117161

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
#7	Harney Lake Basin	
#10	Harney Lake Basin	
#11	Harney Lake Basin	
#12	Harney Lake Basin	
#13	Harney Lake Basin	
#14	Harney Lake Basin	
#15	Harney Lake Basin	
#16	Harney Lake Basin	
#17	Harney Lake Basin	
#18	Harney Lake Basin	

RECEIVED

NOV 26 2018

OWRD

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)
#7	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	0.84 cfs
#10	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	2.36 cfs
#11	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	5.84 cfs
#12	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	5.84 cfs
#13	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	1.50 cfs
#14	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	2.24 cfs
#15	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	3.81 cfs
#16	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	0.89 cfs
#17	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	5.01 cfs
#18	IR	Alfalfa/Grass Hay	Mar 1 – Oct 31	2.03 cfs
Total Quantity of Water Used				18.68 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 wells 7, & 10 – 17 and conveyed by buried pipe to center pivot sprinklers that irrigate the place of use.

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 authorized 13 wells. Only 10 wells are currently being used.

6. Claim Summary:

POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
#7	5.0 cfs*	0.84 cfs		IR	400.0**	400.0**
#10	5.0 cfs*	5.84 cfs	2.36 cfs	IR	400.0**	400.0**
#11	5.0 cfs*	5.84 cfs		IR	400.0**	400.0**
#12	5.0 cfs*	5.84 cfs		IR	400.0**	400.0**
#13	5.0 cfs*	1.50 cfs		IR	400.0**	400.0**
#14	5.0 cfs*	4.55 cfs	2.24 cfs	IR	400.0**	400.0**
#15	5.0 cfs*	4.55 cfs	3.81 cfs	IR	400.0**	400.0**
#16	5.0 cfs*	3.41 cfs	0.89 cfs	IR	400.0**	400.0**
#17	5.0 cfs*	5.01 cfs		IR	400.0**	400.0**
#18	5.0 cfs*	2.95 cfs	2.03 cfs	IR	400.0**	400.0**

*Total flow of 5.0 cfs to be supplied collectively from all wells

**Total area of 400.0 acres supplied collectively 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):

#7 (HARN 51272)

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A. Place of Use

1. Is the right for municipal use?

NO

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
25S	30E	WM	32	NE SE			IR	36.5	
25S	30E	WM	32	NW SE			IR	14.5	
25S	30E	WM	32	SW SE			IR	8.7	
25S	30E	WM	32	SE SE			IR	24.3	
25S	30E	WM	33	NE SW			IR	30.2	
25S	30E	WM	33	NW SW			IR	31.2	
25S	30E	WM	33	SW SW			IR	26.7	
25S	30E	WM	33	SE SW			IR	27.0	
26S	30E	WM	4	NE NW	3		IR	35.9	
26S	30E	WM	4	NW NW	4		IR	25.7	
26S	30E	WM	4	SW NW			IR	16.1	
26S	30E	WM	4	SE NW			IR	13.6	
26S	30E	WM	4	NW SW			IR	20.1	
26S	30E	WM	4	SW SW			IR	5.5	
26S	30E	WM	5	NE NE	1		IR	5.5	
26S	30E	WM	5	SE NE			IR	15.1	
26S	30E	WM	5	NE SE			IR	24.3	
26S	30E	WM	5	SE SE			IR	38.1	
26S	30E	WM	8	NE NE			IR	1.0	
Total Acres Irrigated								400.0	

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
Johnston	1465	UNK	Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	60

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)
60	40	350'	50'	0.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(60)}{501.6} = 0.84$$

$$\text{Total head} = 101.6' + 350' + 50' = 501.6$$

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)

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"	3 ¼ miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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" threaded plug NW 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

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D. Storage

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

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NO

OWRD

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

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

#10 (HARN 51765)

A. Place of Use

1. Is the right for municipal use? Same as #7

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	1116VL7100B0220F	Turbine	14"	12"

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	150'	50'	5.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{301.6} = 5.84 \text{ cfs}$$

$$\text{Total head} = 101.6' + 150' + 50' = 301.6'$$

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)
554.679 AF	554.692 AF	4 min	2.36

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

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12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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" threaded plug 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

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

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

#11 (HARN)

A. Place of Use

1. Is the right for municipal use? Same as #7

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	Turbine	14"	12"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	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	150'	50'	5.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{301.6} = 5.84 \text{ cfs}$$

$$\text{Total head} = 101.6' + 150' + 50' = 301.6'$$

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	1/4 MILE	STEEL	BURIED
8"	3 MILES	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	4	4	0.45

Reminder: For sprinkler output determination use the reference information at the end of this document.

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11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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OWRD

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" threaded plug 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

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

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

#12 (HARN 51817)

A. Place of Use

1. Is the right for municipal use? Same as #7

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	12V7576	M110700	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	150'	50'	5.84

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hpxhp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{301.6} = 5.84 \text{ cfs}$$
$$\text{Total head} = 101.6' + 150' + 50' = 301.6'$$

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"		Steel	

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

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
3/4"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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 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
See well logs						

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)

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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

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

#13 (HARN 51445)

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A. Place of Use

1. Is the right for municipal use? Same as #7

OWRD

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
American	MARSH	390112	Turbine	12"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	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	190'	60'	1.50

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hpxhp}}{\text{Total head, ft}} = \frac{(7.04)(75)}{351.6} = 1.50 \text{ cfs}$$
$$\text{Totl head} = 101.6' + 190' + 60' = 351.6'$$

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)

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	3 ½ miles	Steel	Buried
12"	¼ mile	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)
¾"	40	50	4	4	0.45

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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 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

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

#14 HARN 51871)

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A. Place of Use

1. Is the right for municipal use? Same as #7

OWRD

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	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	220'	65'	4.55

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{386.6} = 4.55 \text{ cfs}$$

$$\text{Total head} = 101.6' + 220' + 65' = 386.6'$$

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)
715.875 AF	715.892 AF	5 min 30 sec	2.24

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"	¾ miles	Steel	Buried
12"	¼ miles	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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 ½ capped pipe E side of casing, Also threaded plug out of N 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						

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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

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

#15 (HARN 51970)

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A. Place of Use

1. Is the right for municipal use? See well #7

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	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	220'	65'	4.55

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hpxhp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{386.6} = 4.55 \text{ cfs}$$

$$\text{Total head} = 101.6' + 220' + 65' = 386.6'$$

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)
517.887 AF	517.908 AF	4 min	3.81

7. Is the distribution system piped?

YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	¾ mile	Steel	Buried
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

C. Groundwater Source Information (Well and Sump)

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

NO

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

2' uncapped pipe NW side of casing

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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 logs						

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

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D. Storage

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

OWRD

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

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

#16 (HARN 52121)

A. Place of Use

1. Is the right for municipal use? Same as well #7

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
Goulds	UNK	M01431	Turbine	16"	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	350'	65'	3.41

5. Provide pump calculations:

$$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{516.6} = 3.41 \text{ cfs}$$

Total head, ft 516.6

$$\text{Total head} = 101.6' + 350' + 65' = 516.6'$$

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

OWRD

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
595.587 AF	595.591 AF	3 min 15 sec	0.89

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"	2 ½ miles	Steel	Buried
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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 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)

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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

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

#17 (HARN 52154)

A. Place of Use

1. Is the right for municipal use? Same as well #7

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	Turbine	16"	12"

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	200'	50'	5.01

5. Provide pump calculations:

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$$Q = \frac{7.04 \text{ ft}^4/\text{sec}/\text{hpxhp}}{\text{Total head, ft}} = \frac{(7.04)(250)}{351.6} = 5.01 \text{ cfs}$$

$$\text{Total head, ft} = 101.6' + 200' + 50' = 351.6'$$

$$\text{Total head} = 101.6' + 200' + 50' = 351.6'$$

OWRD

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"	¼ mile	Steel	Buried
8"	3 miles	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)
¾"	40	50	4	4	0.45

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)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

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

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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 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 logs						

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

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

#18 (HARN 52170)

A. Place of Use

1. Is the right for municipal use? Same as well #7

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	Turbine	16"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	200

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)
200	40	310'	65'	2.95

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft}^3/\text{sec}/\text{hp} \times \text{hp}}{\text{Total head, ft}} = \frac{(7.04)(200)}{476.6} = 2.95 \text{ cfs}$ $\text{Total head} = 101.6' + 310' + 65' = 476.6'$				
---	--	--	--	--

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)
101.293 AF	101.300	2 min 30 sec	2.03

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'	2 ½ miles	Steel	Buried
12"	¼ mile	Steel	Buried
8"	3 miles	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)
¼"	40	50	4	4	0.45

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11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Lindsay Zimmatic #21	1800'	30	1000	2.23
Lindsay Zimmatic #22	755'	30	500	1.11
Lindsay Zimmatic #23	755'	30	500	1.11
Lindsay Zimmatic #24	1000'	30	700	1.56
Lindsay Zimmatic #25	910'	30	700	1.56
Lindsay Zimmatic #26	1185'	30	900	2.00

12. Additional notes or comments related to the system:

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C. Groundwater Source Information (Well and Sump)

OWRD

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:

1 1/2" uncapped pipe SW 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

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	10/08/2018		
BEGIN CONSTRUCTION (A)	Not mentioned	NA	NA
COMPLETE CONSTRUCTION (B)	Not mentioned	NA	NA
COMPLETE APPLICATION OF WATER (C)	10/1/2019	10/8/2018	Irrigation system complete & metering & reporting usage

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

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NO

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

3. Initial Water Level Measurements:

a. Was the water user required to submit an initial static water level measurement? **OWRD** YES

b. What month was the initial measurement to be taken in?

March

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? NO

**** Claims will not be reviewed until a pump test or exemption has been approved by the Department**

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

c. Meter Information

POD/POA NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
#7	McCrometer	13-02053-08	Not running	234.830 AF	2013
#10	McCrometer	13-02056-12	Working	554.692 AF	2013
#11	McCrometer	13-02057-12	Not running	849.812 AF	2013
#12	McCrometer	13-02054-10	Not running	052.633 AF	2013
#13	McCrometer	15-01174-08	Not running	0.000 AF	2015
#14	McCrometer	15-01187-10	Working	715.892 AF	2015
#15	McCrometer	17-08127-10	Working	517.908 AF	2017
#16	McCrometer	15-01187-10	Working	595.591 AF	2015
#17	McCrometer	15-04984-12	Not running	951.361 AF	2015
#18	McCrometer	15-01190-10	Working	101.300 AF	2015

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? NO
- c. Was submittal of a water management and conservation plan required? NO
- d. Other conditions? YES

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

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Usable access port
OWRD Well ID Tag is attached
Riparian area

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SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Well Logs	HARN 51272, 51765, 51445, 51871, 51970, 52121, 52154 & 52170, 51760 & 51817
Aerial imagery	NRCS aerial imagery from June 2016
Pump Test Exemption Fm	

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SECTION 7

NOV 26 2018

CLAIM OF BENEFICIAL USE MAP

OWRD

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. boundary lines using survey-grade GPS receivers in RTK autonomous mode. Lines & points were compared with 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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STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

Revised Log
HARN 51272
Harney 51272

WELL I.D. # L 72702
START CARD # 169131

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

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

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

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

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

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 375 ft.
Explosives used: ☐ Yes ☐ No Type _____ Amount _____

BORE HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds	
18	0	44	Best	17	44	245	seals
18	0	17	Cement	0	17	14	
14	44	240					
12	240		Cement			225	

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Pour Down Dry Bentonite
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	0	77	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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
☐ 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"/>
						<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 Artesian

Yield gal/min	Drawdown	Drill stem at	Time
550	102	200	4 hrs

Temperature of water 60 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes ☒ No
Did any strata contain water not suitable for intended use? ☒ No ☐ Too little
☐ Salty ☐ Muddy ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County Harney
Tax Lot 2002 Lot _____
Township 25 N or S Range 30 E or W WM
Section 34 SE 1/4 SW 1/4

Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL
78 ft. below land surface. Date 4-30-06
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found 349

From	To	Estimated Flow Rate	SWL
349	371	500	78

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
Top Soil	0	3	
Red Cinders	3	26	
Brown Sand			
Stone	26	35	
Brown Basalt			
w/ Green Clay			
Seams	35	349	
White Brown			
Blue Gravel	349	371	78
Green Clay	371	375	78

Date Started 3-26-06 Completed 4-30-06

(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.

WWC 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.

WWC Number 1521 Date 9-15-06

Signed Donald M. Reed

SEP 18 2006

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

HARN 51272 RECEIVED

NOV 26 2018

WELL I.D. # L 72702

START CARD # 169131

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

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

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

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

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

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 375 ft.
Explosives used: ☐ Yes ☐ No Type _____ Amount _____

BORE HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds	
18"	0	44	Bent	0	44	24	
14"	44	240	Cement	44	240	1 yd	
12"	240	375					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E
☒ Other Poured down

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 43 77 250 ☒ ☐ ☐ ☐
Liner: _____ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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

(7) PERFORATIONS/SCREENS
☐ Perforations Method _____
☐ Screens Type _____ Material _____
From To Slot Number Diameter Tele/pipe Casing Liner
Size size size

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian
Yield gal/min 550 Drawdown 102 Drill stem at 200 Time 46m

Temperature of water 60 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom NO
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 (legal description)
County Harney
Tax Lot 2002 Lot _____
Township 2002 North Range 30 East WM
Section 34 SE 1/4 SW 1/4

Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) End of Weaver Springs Rd Burns, OR 97720

(10) STATIC WATER LEVEL
98 ft. below land surface. Date 4-30-06
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found 349
From To Estimated Flow Rate SWL
349 371 500 98

(12) WELL LOG Ground Elevation _____
Material From To SWL
Top Soil 0 3 _____
Clay 3 26 _____
Brown Sand 26 35 _____
Stones 35 349 _____
Brown Basalt _____
w/ Clay seams _____
Green _____
white, brown _____
blue, purple _____
Green Clay 349 371 98
371 375 98

Date Started 3-26-06 Completed 4-30-06

(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.

WWC Number _____ Date _____

Signed _____

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(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.
MAY 21 2006
WATER RESOURCES DEPT
SALEM, OREGON

WWC Number 1521 Date 4-30-06

Signed Donald H. Reed

HARN 51765

HARN 51765

Page 1 of 1

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER

Owner Well I.D. well 21

First Name Andy

Last Name Root

Company ACW

Address PO Box 3

City Burns

State 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 167.00 ft.

BORE HOLE			SEAL			sacks	
Dia	From	To	Material	From	To	Amt	lbs
18	0	18	Bentonite Chips	0	18	90	S
14	18	167					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other poured dr & tamped

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	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	14	<input checked="" type="checkbox"/>	1.5	60	.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	Dia	From	To	Screen slot width	Slot length	# of slots	Tele/pipe size
green	liner							

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

Yield gal/min	Drawdown	Discharge Pump depth	Duration (hr)
2.800	2	132	6

Water quality concerns ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N/S Range 30.00 E E/W WM

Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number Lat

Lat 0 " or DMS or DD

Long 0 " or DMS or DD

☒ Street address of well ☐ Nearest address

29062 Weaver Spring Road

(10) STATIC WATER LEVEL

Date SWL(psi) + SWL(ft)

Existing Well / Predeepening

Completed Well 02-11-2011 104

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
02-11-2011	104	167	3,000		104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sand loam	0	1
Sand cinders	1	6
Clay cinders	6	60
Rock boulders	60	80
Cinders	80	95
Rock basalt black	95	140
Void	140	145
Cinders multi colored	145	160
Rock broken loose and caving	160	167

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MAY 12 2011

NOV 26 2018

WATER RESOURCES DEPT
SALEM, OREGON

Date Started 02-03-2011 OWRD Completed 02-11-2011

(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. I certify that the work performed during this time is in compliance with Oregon water supply well construction standards. This certification is the best of my knowledge and belief.

License Number 1424 Date 02-18-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version 0.95

HARN 51765

HARN 51765

Page 1 of 1

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER Owner Well I.D. well 21
 First Name Andy Last Name Root
 Company ACW
 Address PO Box 3
 City Burns State 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 167.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Amt	lbs
18	0	18	Bentonite Chips	0	18	90	S
14	18	167					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other poured dr & tamped

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 Plate Wld		Thrd	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14		<input checked="" type="checkbox"/>	1.5 60 .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	Dia		From To		Screen slot width	Slot length	# of slots	Tele/ pipe size
	Liner									

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min Drawdown Drill stem Pump depth Duration (hr)
 2,800 2 115 6

Temperature 60 F Can analysis ☐ Yes ☐ No

Water quality concerns ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N/S Range 30.00 E E/W WM
 Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800
 Tax Map Number Lot
 Lat " 0 " or DMS or DD
 Long " 0 " or DMS or DD
☒ Street address of well ☐ Nearest address

29062 Weaver Spring Road

(10) STATIC WATER LEVEL

Date SWL (psi) + SWL (ft)
 Existing Well / Predeepening
 Completed Well 02-11-2011 104
 Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
02-11-2011	104	167	3,000		<input checked="" type="checkbox"/> 104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sand loam	0	1
Sand cinders	1	6
Clay cinders	6	60
Rock boulders	60	80
Cinders	80	95
Rock basalt black	95	140
Void	140	145
Cinders multi colored	145	160
Rock broken loose and caving	160	167

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OWRD

Date Started 02-03-2011 Completed 02-11-2011

(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 02-18-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

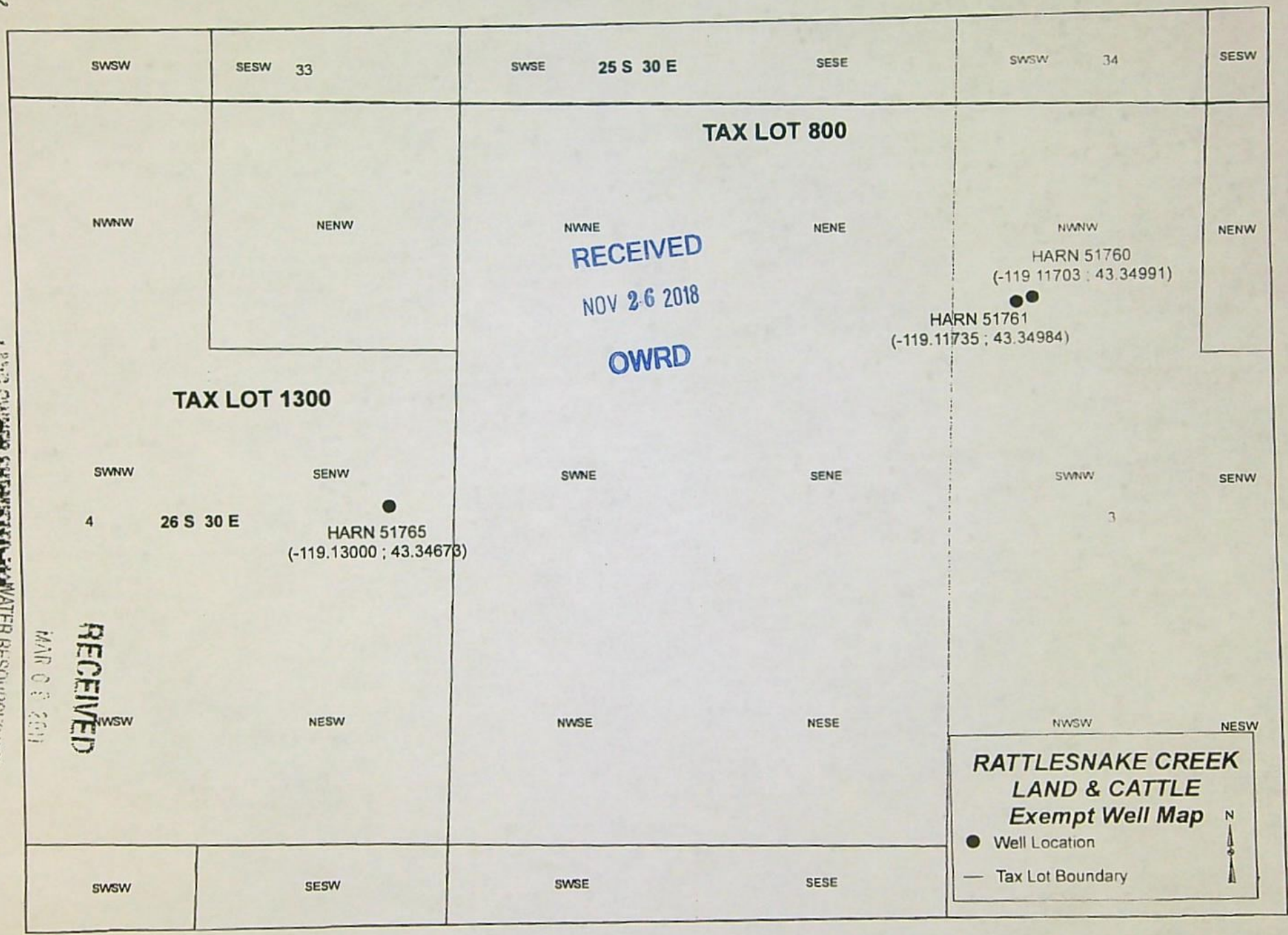
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version 0.95

1800 COLUMBIA RIVER
HARN 51765
WATER RESOURCES DEPT
SALEM, OREGON

MAR 0 0 2011

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HARN 51760

HARN 51760

Page 1 of 1

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

02-02-2011

WELL LABEL # 102534

START CARD # 1012337

(1) LAND OWNER Owner Well I.D. 18

First Name Andy Last Name Root
Company ACW
Address 524 N Hwy 20 PO Box 3
City Burns State 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 195.00 ft.

BORE HOLE			SEAL			sacks/	
Dia	From	To	Material	From	To	Am	lbs
18	0	24	Bentonite	0	24	80	S
14	24	145					
12	145	198					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other Poured dry & tamp

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: ☐ Yes ☐ No Type Amount

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	102	250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" 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"/>		<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"/>

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s)Temp casing ☐ Yes ☐ No Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type Material

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

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

☒ Pump ☐ Header ☐ Air ☐ Flowing Wellhead

Field gpm (g) Drawdown (ft) Drill stem/line depth (ft) Duration (min)

2,800 5 145 9

Temperature ☐ 1. Tubing head ☐ Yes ☐ NoWater quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N 1/4 Range 30.00 E E/W WM
Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800
Tax Map Number Lot
Lat " 0 " or DMS or DD
Long " 0 " or DMS or DD
☒ Street address of well ☐ Nearest address

29062 Weaver Springs Road

(10) STATIC WATER LEVEL

Date SWL (psi) + SWL (ft)
Existing Well / Predeepening
Completed Well 01-28-2011 104
Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 104

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
01-28-2011	104	198	3,000		104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sandy loam	0	1
Cinders sand	1	6
Cinders	6	12
Clay cinders	12	100
Cinders fine	100	121
Rock black	121	155
Cinders multi colored	155	180
Rock black	180	187
Cinders multi colored	187	195
Cobbles caving	195	198

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MAY 12 2011

WATER RESOURCES DEPT

SALEM, OREGON

Date Started 01-21-2011 Completed 01-28-2011

(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 am responsible 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 02-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

HARN 51760

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

HARN 51760

02-02-2011

Page 1 of 1

WELL LABEL # L 102534

START CARD # 1012337

(1) LAND OWNER Owner Well I.D. 18
First Name Andy Last Name Root
Company ACW
Address 524 N Hwy 20 PO Box 3
City Burns State 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 195.00 ft.

BORE HOLE			SEAL			Amt	sacks/ lbs
Dia	From	To	Material	From	To		
18	0	24	Bentonite	0	24	80	S
14	24	145					
12	145	198					

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other Poured dry & tamp

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	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	102	.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	From	To	Sern/slot	Slot	# of	Tele/
creen	Liner	Dia			width	length	slots	pipe size

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian
Yield gal/min Drawdown Drill stem Pump depth Duration (hr)
2,800 5 145 0

Temperature 60 F Lab analysis ☐ Yes ☐ No

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units
------	----	-------------	--------	-------

(9) LOCATION OF WELL (legal description)

County Harney Twp 26.00 S N/S Range 30.00 E E/W WM
Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800

Tax Map Number Lot

Lat 0 0 DMS or DD

Long 0 0 DMS or DD

☒ Street address of well ☐ Nearest address

29062 Weaver Springs Road

(10) STATIC WATER LEVEL

Date SWL(psi) + SWL(ft)
Existing Well / Predeepening
Completed Well 01-28-2011 104

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found 104

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
01-28-2011	104	198	3,000		<input checked="" type="checkbox"/> 104

(11) WELL LOG

Ground Elevation

Material	From	To
Topsoil sandy loam	0	1
Cinders sand	1	6
Cinders	6	12
Clay cinders	12	100
Cinders fine	100	121
Rock black	121	155
Cinders multi colored	155	180
Rock black	180	187
Cinders multi colored	187	195
Cobbles caving	195	198

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NOV 26 2018

OWRD

Date Started 01-21-2011 Completed 01-28-2011

(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 02-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

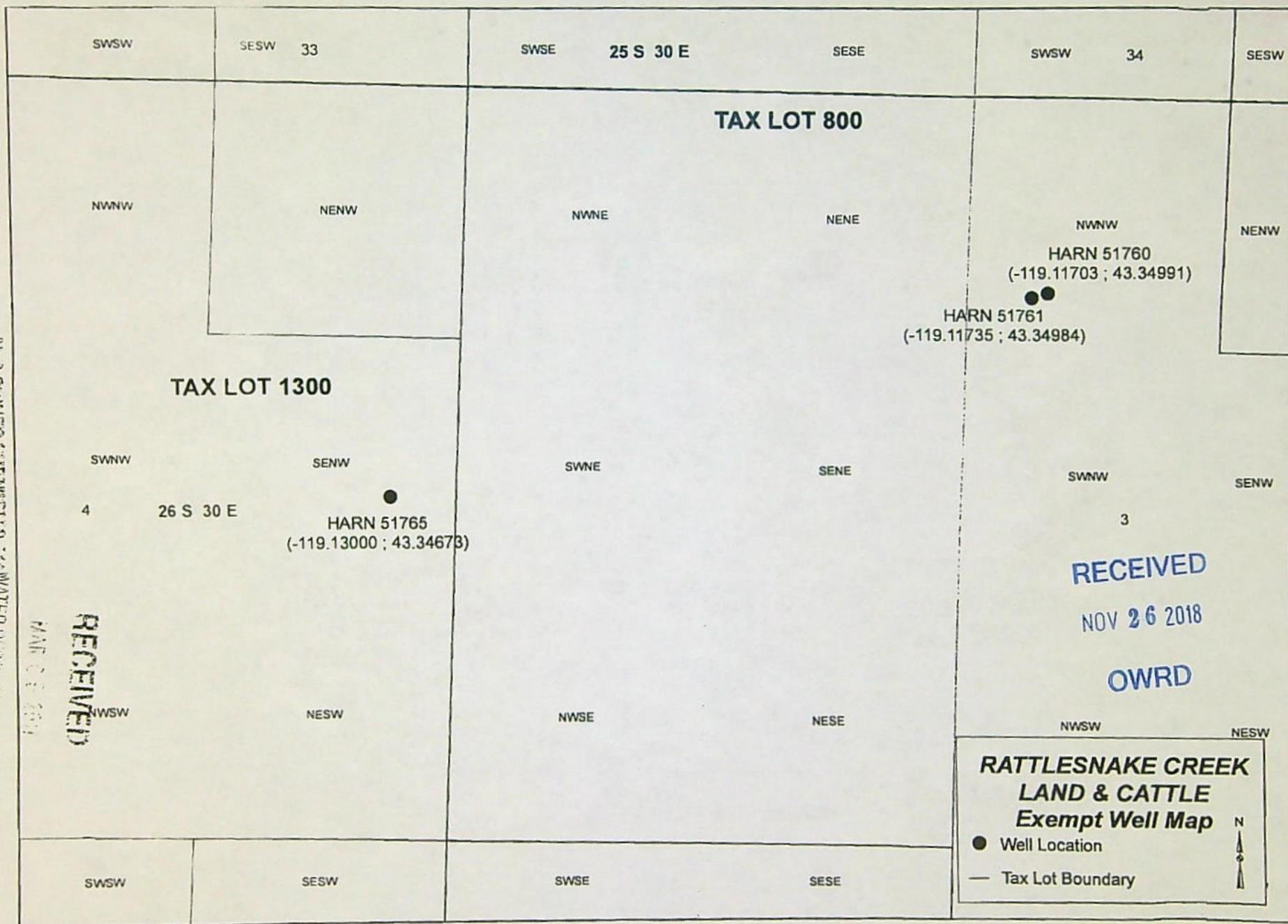
THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.95

LAND DIVISION SUBMITTED TO WATER RESOURCES DEPT
SALEM, OREGON

MAR 01 2019

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HARN 51445

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L

104470 51445

START CARD #

189552

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

1) LAND OWNER

Owner Well I.D.

First Name

Last Name

Company Rattle Snake Creek Land & Cattle Co

Address 524 Hwy 20

City Albion

State OR

Zip 97338

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

☐ Injection

☐ Thermal

☐ Other

5) BORE HOLE CONSTRUCTION

Special Standard: ☐ Yes (attach copy)

Depth of Completed Well 280 ft.

BORE HOLE

SEAL

Dia	From	To	Material	From	To	Amount	Seal/lbs
20"	C	35	Grout	C	35	14	
14"	35	280					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other

Backfill placed from _____ ft. to _____ ft. Material _____

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used: ☐ Yes Type _____ Amount _____

6) CASING/LINER

Casing	Linr	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
X		14"	H	0	35	.250	X		X	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temporary casing ☐ Yes Diameter _____ From _____ To _____

7) PERFORATIONS/SCREENS

Perforations Method _____

Screens Type _____ Material _____

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

8) WELL TESTS: Minimum testing time is 1 hour

☒ Pump

☐ Bailer

☐ Air

☐ Flowing Artesian

Yield gal/min

Drawdown

Drill stem/Pump depth

Duration (hr)

1000

120'

4 hr

Temperature 50 °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 25 N or S Range 30 E or W W.M.

Sec 33 NE 1/4 of the NE 1/4 Tax Lot 3700

Tax Map Number _____

Lot _____

Lat _____

Long _____

" or _____

" or _____

DMS or DD

DMS or DD

Street Address of Well (or nearest address) NO ADDRESS

45519th

10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well/Predeepening	2-6-08			92
Completed Well				

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES

Depth water was first found _____

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
2-6-08	140	190	1000-			92

11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	2
Gravel	2	25
Black Sand Stone	25	90
Blam Clay	90	140
Pumice & clay	140	190
Tan Clay	190	275
Sand gravel	275	280

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WATER RESOURCES DEPT
SALEM, OREGON

OWRD

Date Started 1-27-08

Completed 2-10-08

(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 1654

Date 4-23-08

Signed _____

Contact Info. (optional)

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

HARN 51871

8/27/2012

WELL I.D. LABEL# L

START CARD #

ORIGINAL LOG #

109033

1017370

(1) LAND OWNER

Owner Well I.D. _____
First Name _____ Last Name _____
Company ACW
Address PO BOX 3
City BURNS State OR Zip 97720

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd
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 232.00 ft.

BORE HOLE			SEAL			sacks/lbs	
Dia	From	To	Material	From	To	Amt	lbs
18	0	18	Bentonite Chips	0	18	27	S
14	18	232					

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 Stl 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 Screen Liner Dia From To Scrn/slot Slot # of Tele/ width length slots pipe size

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

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

☐ Pump ☐ Bailor ☒ An ☐ Flowing Artesian

Yield gallons _____ Draw down _____ Drill sign Pump depth _____ Duration hrs _____

800		230	

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 25.00 S N/S Range 30.00 E E/W WM
Sec 33 NE 1/4 of the SE 1/4 Tax Lot 2600
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
☐ Street address of well ☒ Nearest address
29062 WEAVER SPRINGS ROAD
BURNS, OR.

(10) STATIC WATER LEVEL

Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration _____
Completed Well 8/15/2012 94
Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 94.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
8/15/2012	94	220	2000		94

(11) WELL LOG

Ground Elevation _____

Material	From	To
topsoil sandy loam	0	2
clay cinders	2	8
clay brown	8	45
cinders black	45	90
multi colored cinders	90	200
clay yellow	200	205
sandstone brown	205	212
clay yellow	212	220
clay blue	220	232

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Date Started 8/13/2012

Complete 8/15/2012

(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 8/27/2012

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version.

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

HARN 52121

10/27/2014

WELL I.D. LABEL# 116668
START CARD # 1024513
ORIGINAL LOG #

Page 1 of 1

(1) LAND OWNER

Owner Well I.D. _____
First Name ANDY Last Name ROOT
Company ACW
Address P.O. BOX 326
City BURNS State OR Zip 97720

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd
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

Depth of Completed Well 385.00 ft. Special Standard ☐ (Attach copy)

BORE HOLE			SEAL			To	Amt	sacks/lbs
Dia	From	To	Material	From	To			
24	0	54	Bentonite Chips	0	54	61	S	
20	54	332						
12	332	385						

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E

☒ Other POURED DRY

Backfill placed from 50 ft to 54 ft Material BENTONITE

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	Stl	Plstc	Wld	Thrd
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	20	<input checked="" type="checkbox"/>	2	54	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	16	<input checked="" type="checkbox"/>	2.5	332	.250	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method Factory

Screens Type		Material							
Perf/	Casing/ Screen	Screen Dia	From	To	Slot width	Slot length	# of slots	Tele/	pipe size
Perf	Liner	16	192	332	.125	3	8512		

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min Drawdown Drill stem Pump depth Duration (hr)

2500 16 160 8

Temperature 58 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 25.00 S N/S Range 30.00 E E/W WM
Sec 29 NE 1/4 of the SE 1/4 Tax Lot 2600
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD

☒ Street address of well ☐ Nearest address

29062 WEAVER SPRINGS LN. BURNS, OR 97720

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+ SWL (ft)
Existing Well / Pre-Alteration			
Completed Well	10/21/2014		92

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 105.00

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
10/23/2014	105	385	3500		92

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	3
Tan Clay and Cinders	3	20
Black sand & Cinders	20	39
Black Cinder Stone Fractured	39	185
Cinder stone w/ grey clay layers	185	218
Broken cinder stone	218	330
Broken Basalt	330	385

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Date Started 10/1/2014 Complete 10/21/2014

(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 1739 Date 10/27/2014

Signed CHARLES MERY (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 10/27/2014

Signed ARTHUR L. FRY (E-filed)

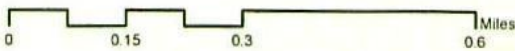
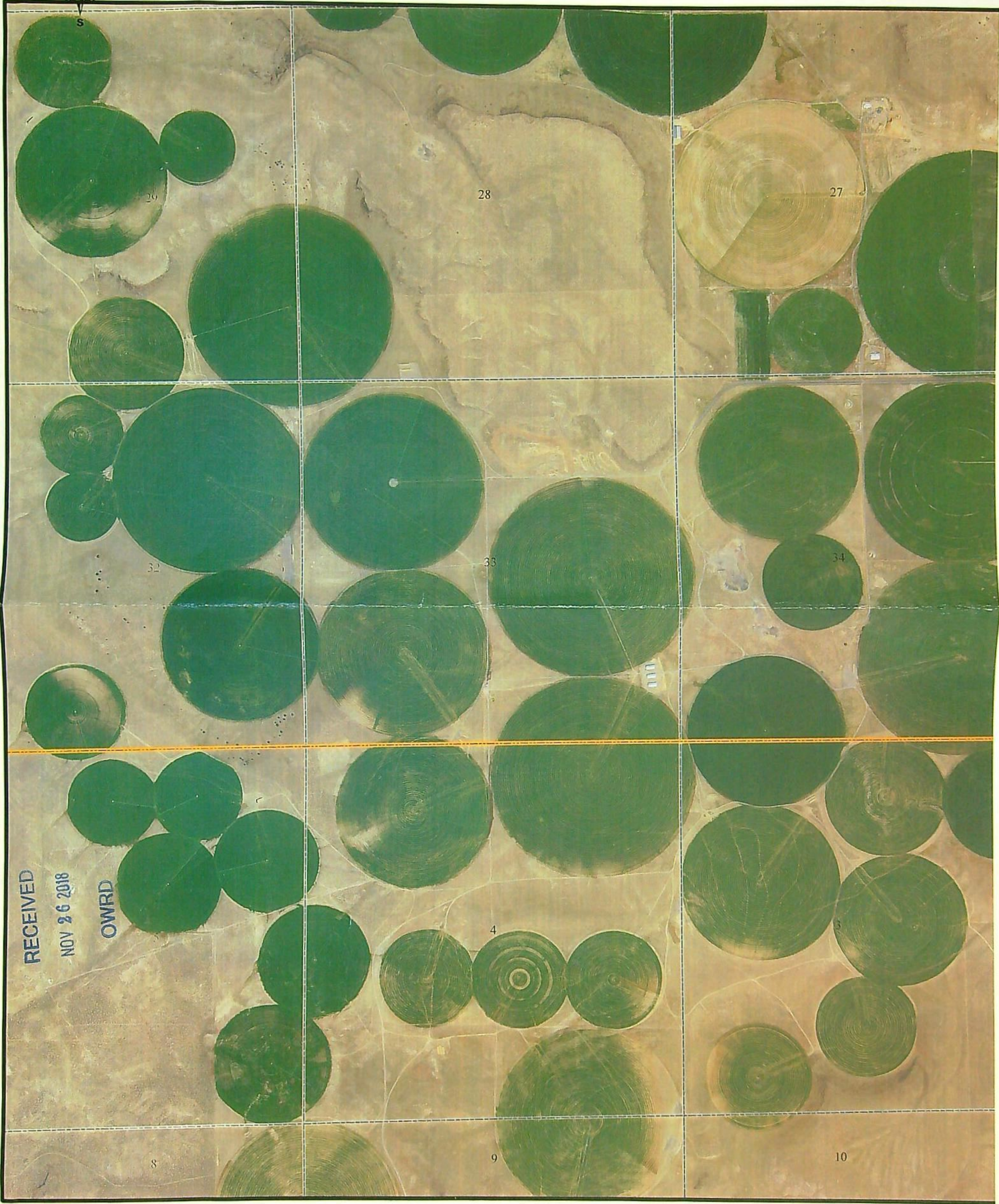
Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version

T25&26S R 30E, W.M.

June 2016 aerial imagery from NRCS Gateway website imported into ArcMap GIS software in statewide Lambert projection.





OREGON
WATER
RESOURCES
DEPARTMENT

PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

0 Authorized

0 Authorized

0 Authorized

ADDRESS

524 Hwy 20 N

CITY
Hines

STATE
OR

ZIP
97738

E-MAIL

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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 # (EX: MARI 99999)	WELL TAG #	OWNER WELL NAME OR #	TEST DATE	APPLICATION	PERMIT	TRANSFER	CERTIFICATE
HARN 51817	L-107659	Andy Root	10/30/2013	G- 14136	G-12841		

(CONTINUED)

TWP (EX: 25S)	RNG (EX: 31E)	SEC (EX: 12)	QQ (EX: SE/SW)	SURVEYED LOCATION (EX: 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (EX: 44.94473859)	LONGITUDE (EX: -123.02787000)
25S	30E	33	WM	2690'S & 2890'W from NE cor sec 33	43 21'35.3 N	119 07'46.0W

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 # (EX: MARI 99999)	WELL TAG # (EX: L-999999)	OWNER WELL NAME OR #	APPLICATION	PERMIT	TRANSFER
#7	HARN 51272	L72702	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#12	HARN 51817	L107659	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638

(CONTINUED)

	TWP (EX: 25S)	RNG (EX: 31E)	SEC (EX: 12)	QQ (EX: SE/SW)	SURVEYED LOCATION (EX: 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (EX: 44.94473859)	LONGITUDE (EX: -123.02787000)
#7	25S	30E	34	SE NW	4725' S & 1877' E fr NW cor, Sec 34	43 21'15.1"N	119 06'41.7"W
#12	25S	30E	33	SW NE	2690' S & 2890' W fr NE cor, Sec 33	43 21'35.3 N	119 07'46.0 W

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.

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:

DATE:

11/20/2018

LICENSE #:

8132A



OREGON
WATER
RESOURCES
DEPARTMENT

PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

0 Authorized

0 Authorized

0 Authorized

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 # (Ex: MARI 99999)	WELL TAG #	OWNER WELL NAME OR #	TEST DATE	APPLICATION	PERMIT	TRANSFER	CERTIFICATE
HARN 51817	L-107659	Andy Root	10/30/2013	G- 14136	G-12841		

(CONTINUED)

TWP (Ex: 25S)	RNG (Ex: 31E)	SEC (Ex: 12)	QQ (Ex: SE/SW)	SURVEYED LOCATION (Ex: 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (Ex: 44.94473859)	LONGITUDE (Ex: -123.02787000)
25S	30E	33	WM	2690'S & 2890'W from NE cor sec 33	43 21'35.3 N	119 07'46.0W

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 # (Ex: MARI 99999)	WELL TAG # (Ex: L-999999)	OWNER WELL NAME OR #	APPLICATION	PERMIT	TRANSFER
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PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

#10	HARN 51765	L102536	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#11	HARN 51760	L102534	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#13	HARN 51445	L-104470	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#14	HARN 51871	L-109033	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#15	HARN 51970	L-111173	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#16	HARN 52121	L-116668	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#17	HARN 52154	L-116674	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#18	HARN52170	L-117161	Andy Root	G- 17452/169 83/17146/ 17561	G- 17992/179 89/17991/1 7990	T-12257 T-12638
#21	HARN 52591	L-122964	Andy Root	Pending Transfer		
#22	HARN 52590	L-122963	Andy Root	Pending Transfer		
#23	HARN 52674	L-126386	Andy Root	Pending Transfer		

(CONTINUED)

TWP (Ex 25S)	RNG (Ex 31E)	SEC (Ex 12)	QQ (Ex SE/SW)	SURVEYED LOCATION (Ex 100 ft N & 735 ft E fr SE cor, sec 5)	LATITUDE (Ex 44 94473859)	LONGITUDE (Ex -123 02787000)
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OREGON
WATER
RESOURCES
DEPARTMENT

PUMP TEST MULTIPLE WELL
EXEMPTION REQUEST FORM

#10	26S	30E	3	NW NW	6310'S & 415' E fr NW cor, sec34	43 20'59.6"N	119 07'01.4"W
#11	26S	30E	3	NW NW	6340'S & 330'E fr NW cor, Sec 34	43 20'59.5 N	119 07'01.8 W
#13	26S	30E	4	NE NW	6415'S & 2745'W fr NE cor, sec 33	43 20'58.5"N	119 07'44.1"W
#14	25S	30E	33	SE SE	4314'N & 870'W fr NE cor, sec 33	43 21'19.6"N	119 07'19.0"W
#15	25S	30E	33	SE SE	4314'N & 920'W fr NE cor, sec 33	43 21'19.4"N	119 07'16.6"W
#16	25S	30E	29	SW SE	635'N & 1605'W fr SE cor, sec 29	43 22'08.5"N	119 08'40.2"W
#17	25S	30E	3	NW NW	6300'S & 440'E fr NW cor, sec 34	43 20'59.7"N	119 07'01.0"W
#18	25S	30E	29	SW SE	785'N & 1630'W fr SE cor, sec 29	43 22'10.0"N	119 08'40.5"W
#21	25S	30E	29	SW SE	865'N & 1615'W fr SE cor sec 29	43 22'10.8 N	119 08'40.3 W
#22	25S	30E	29	SE SE	90'N & 1265'W fr SE cor sec 29	43 22'03.1 N	119 08'35.6 W
#23	25S	30E	33	SW NE	2685'S & 2910'W fr NE cor sec 33	43 21'35.2 N	119 07'45.8 W

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.

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: _____

DATE: _____

LICENSE #: _____

PRINTED NAME: SCOTT D. MONTGOMERY

0 AUTHORIZED

1 PROPOSED

PHONE: 541-548-5833

(CIRCLE ONE): OWNER, EMPLOYEE, CWRE, RG, PE, WWC, PUMP INSTALLER

EMAIL: SCOTT@APEANDS.COM

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Extension PFO Checklist for
Other than Muni or Quasi-Municipal
 Water Use Permits
 (OAR 690-315-0010 through OAR 690-315-0060)

Application: G- 16983 Permit: G- 16461 Permit Amendment? No ☒ Yes ☐ T- ☐ pending ☐ approved

Permit Holder's Name: Andy Root

Permit Holder's Mailing Address: 524 Hwy 20 Hines, OR 97738 email _____

Phone Number: 541-573-3645

POD Location: Township 25S Range 30E Section 32,33,34 $\frac{1}{4}$ NESE(32), SESW(33), SESW(34)

Drainage Basin: 12 County: Harney Watermaster District: 10 Watermaster: JR Johnson

Date Permit was issued: 4/3/2009

Priority Date: 12/17/2007

Date of PN: 7/1/2014

Source: Well 1, Well 2, and Well 3 in Harney Lake Basin

Use: Irrigation use on 400.0 acres

"Q": 5.0 cfs

Orig "A" Date: _____

Orig "B" Date: 4/3/2014

Orig "C" Date: 4/3/2014

Extension request rec'd: 6/20/2014

Last Authorized "B" Date: 10/1/

Last Authorized "C" Date: 10/1/

Request Number (1, 2, 3...): 1

Proposed "B" Date: 10/30/2019

Proposed C Date: 10/30/2019

Conditions of Permit:

Condition Met?	Condition Not Met?	Permit Condition
<input checked="" type="checkbox"/>	<input type="checkbox"/>	water use reported <u>2011</u> <u>not reported</u> 1 HARN 51272 3-26-06 → 4-30-06
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Static measurements 2 51853 5/29/12 6-1-12
<input checked="" type="checkbox"/>	<input type="checkbox"/>	pump test 3 51445 1-27-08 2-10-08
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TFM before use
<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: \$1,050,000 Estimated Remaining Cost: \$5,000

- ☒ ☐ Beneficial use made of the water during the permit or previous extension time limits

• Permit holder has beneficially used 4.9 ☐ cfs ☐ gpm ☐ af of the total permitted quantity of water on 400 acres

GW REVIEW: Y N SWP
New & GW level
 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. Malheur Lake

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: 2018)

☐ 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:

Purpose of extension is to get meters installed
Verify water use reports and static, app says done

Extension "PFO" Dates

Mailing / Issuance Date: _____

Protest Deadline Date: _____

Reviewer's Name: Steven Parrett

Date: 6-20-14



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

June 23, 2014

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 #: G-16983 (Permit G-16461)**. 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 Steve Parrett 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.

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 applicant a permit holder of record (i.e., permit issued or assigned to them)? _____

If the extension applicant is **NOT** a permit holder of record, a "Request for Assignment" must be accepted and processed before the Extension Application can be processed.

If an Assignment has **not** yet occurred, and is **not** submitted with the Extension of Time Application, the application cannot be accepted.

*** NOTE:** The applicant may submit a complete "Request for Assignment," at the same time, which must include the statutory fee of \$85 for the assignment, required proof of ownership, or signature of previous permit holder, in addition to all necessary items required for the Extension of Time Application so that **both applications can 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)? _____

- 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 for the agent to sign on their behalf must be provided or be present and current 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.

■ 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.

■ 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 \$575 fee been paid? \$575 112478
 *If applicable, has the \$85 fee for the Assignment been paid? _____
 (As of July 1, 2013, the Extension of Time fee is \$575, and Request for Assignment fee is \$85)

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 one week, hold the Extension Application, and explain to them that if it is not received the application will be returned (as we are required to keep any application, regardless of how complete, if retained by the Department as long as two weeks).

- ☒ 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 **Extension Specialist, or Anne Reece** for municipal and quasi-municipal applications. One will either: 1) accept the application; 2) return the application; or 3) prepare a deficiency letter.

Reviewed by: Steven Farrett Date: 6-20-14

Application # 6-16983 Permit # 6-16461

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: 6-20-14

◆ **Extension Specialist ...**



Added to tracking spreadsheet

After fee is receipted and app info is added to spreadsheet, route to...

◆ **Codi Holmes...**



Publish on Public Notice (initial 30-day comment): Date of notice 7-1-14



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 SWP

☐ Yes or ☐ No: Return file to Extension Specialist after PN _____

**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 # **112478**

INVOICE # _____

RECEIVED FROM: ACW, Inc DBA Andy's
BY: Custom Work

APPLICATION	G-16983
PERMIT	G-16461
TRANSFER	

CASH: ☐ CHECK: # 23642 OTHER: (IDENTIFY) ☐

TOTAL REC'D \$ 575.00

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 \$ 575.00

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 (FWWRD) \$ _____
0231 HYDRO LICENSE FEE (FWWRD) \$ _____
HYDRO APPLICATION \$ _____

TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION \$ _____

RECEIPT: **112478**

DATED: 6/23/11 BY: Chung



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

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JUN 20 2014

SALEM, OR

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

I, Andy Root

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

the holder of: Application Number G-16983 Permit Number G-16461 [OAR 690-315-0020(3)(b)]

****A separate application must be submitted for each permit as per OAR 690-315-0020(2). ****

524 Hwy 20 N
MAILING ADDRESS

97738 Hines, OR
CITY, STATE, ZIP

541-573-3645
PHONE

E-MAIL ADDRESS

X **do hereby request that** the time to apply water to full beneficial use under the terms and conditions of the permit, which now expires on Month 4 Day 3 Year 2014, be extended to October 30, Year 2019.

Please Note. If the permit **does** specify a date when **construction** must be **completed**, you should request to extend both the time to apply water to full beneficial use **and** to complete construction. These dates are typically found on the permit above the signature of the Director.

and

☒ **do hereby request that** the time to complete construction of the water system, which now expires on Month 4 Day 3 Year 2014, be extended to October 30, Year 2019

Sign after completing the entire application, questions 1-11.

I am the permit holder, or have attached to this application written 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. I have completed the entire application.

Signature

Date

Printed Name/Title

MAIL COMPLETED and SIGNED APPLICATION with the \$575 STATUTORY FEE TO:

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

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Submit the following items with your Application for Extension of Time:

- **The signed and completed Application for Extension of Time.**
- **\$575 check to OWRD or Oregon Water Resources Department**
- **All supporting documentation and/or evidence referenced in the application.**

Reference materials needed to complete this Application:

- **Water right permit.** A copy of the water right permit can be downloaded from the Department's Website at <http://www.wrd.state.or.us> (using the link to the Water Rights Information System (WRIS)). A copy of the permit may be requested from the Water Rights Division at 503-986-0801 (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.).

Helpful information for completing this Application:

- Permit holders of **municipal or quasi-municipal water use permits DO NOT use this form.** The form *Application for Extension of Time for Municipal and Quasi-Municipal Water Use Permits* is 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 construction of the water project and/or to fully use the permitted quantity of water under the permit terms & conditions.
- The attached *Instructions for Completing an Application for Extension of Time for a Water Right Permit* will help you answer each question on the application. If, after reading the instructions, you need assistance, please call the Extensions Specialist at 503-986-0900.
- Permit extensions are evaluated under OAR Chapter 690, Division 315, which may be viewed at: <http://www.wrd.state.or.us/OWRD/LAW/index.shtml>. Please note that OWRD may require additional information, if necessary, to evaluate the application per OAR 315-0020(3)(n).
- OWRD will review applications received for completeness and will return incomplete or deficient applications per OAR 690-315-0040(1)(a) to the applicant.

Questions to Complete this Application for Extension of Time

Please see the instruction sheet to help you answers these questions.

[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 ☐ N/A, if not specified in this permit

Date "actual construction" began is: 2/2008

Describe details of construction: Drilled well capable of 1,500 gpm

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

- 2-A. Please Describe how you have complied with each standard and special condition in the original permit [and, if applicable, conditions contained in any order approving a permit amendment and/or order approving a prior extension of time].

TIP: The instruction sheet explains which typical conditions must be addressed here.

Condition Number: Hand-number each condition on a copy of your permit (and, if applicable, any permit amendment and/or prior extension). Include a copy of your hand-numbered permit.

CHART-A

Condition Number	Date Satisfied	Describe How Permit Condition Has Been Satisfied
2		Water use has been reported
3		Static Measurements have been reported
4		Well & Irrigation Systems have been constructed
5		Pump test has been done

- 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 Number	Date Will Comply	Explain Why Each Permit Condition Has NOT Been Satisfied
1	2019	All Flowmeters have not been installed

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

- 3-A. Provide evidence of physical progress made toward completion of the water system and progress toward making beneficial use of water within the original permitted time period.

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

CHART-C

DATE	LIST & DESCRIBE WORK ACCOMPLISHED BEFORE PERMIT WAS ISSUED	COST*
2006	Well 7 constructed	\$50,000
DATE	LIST & DESCRIBE WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED and PRIOR TO DATE FOR COMPLETE APPLICATION OF WATER	COST*
Apr 3, 2009	Date the permit was signed - find date above signature on last page of permit.	
	Date the permit specified "Actual Construction Work" shall begin ("A-Date") -not all permits contain this date.	
2008 - 2009	Wells 9 & 13 constructed, Pivots 11, 15, 16 & 17 developed	\$1,000,000
Apr 3, 2014	Date the permit specified complete application of water to the use shall be made ("C-Date") - all permits contain this date.	
DATE	LIST & DESCRIBE WORK ACCOMPLISHED AFTER DATE FOR COMPLETE APPLICATION OF WATER UP TO NOW Complete if this is your first request for extension of time.	COST*
*Total Cost for Chart-C		\$1,050,000

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

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IF this is your first Application for an Extension of Time, write NA in Chart D below and proceed to question 4 at the bottom of this page.

- 3-B) Provide evidence of physical progress made toward completion of the water system and progress toward making beneficial use of water within the most recent extension period.**

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	LIST AND DESCRIBE WORK ACCOMPLISHED DURING THE LAST EXTENSION PERIOD	COST*
	"Extended From" date for complete application of water used in the 1 st (or the most recent) Application for Extension of Time.	
	NA	
	"Extended To" date for complete application of water resulting from the 1 st (or the most recent) Application for Extension of Time.	
DATE	LIST AND DESCRIBE WORK ACCOMPLISHED AFTER THE LAST EXPIRED EXTENSION PERIOD UP TO NOW	COST*
	NA	
Total Cost of Chart-D		

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

- [OAR 690-315-0020(3)(f)]
4. Cost of project to date: \$1,050,000
(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 actually 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 in the same units of measurement as specified in the permit. 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):**

Maximum measured rate used to date = _____ cfs (cubic feet per second)
 or
 Maximum measured rate used to date = _____ gpm (gallons per minute)
 or

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JUN 20 2014

Acre-feet stored to date = _____ AF

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

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

SALEM, OR

CHART-E

Well # as identified on Permit	Water User's Well #	Has this well been drilled?	IF DRILLED					
			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 measured rate used from this well - - under this permit only (CFS or GPM)	Is this well authorized or utilized under any OTHER water rights?	If yes, provide the Permit, Certificate, or Transfer No.
Well 1	Well 7	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 51272	L72702	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	600 gpm	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	G-16150 -
Well 2	Well 9	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 51853	L107672	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	1000 gpm	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	G-16150 G-16829
Well 3	Well 13	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	HARN 51445	L104470	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	600 gpm	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	- -
		Yes <input type="checkbox"/> No <input type="checkbox"/>			Yes <input type="checkbox"/> No <input type="checkbox"/>		Yes <input type="checkbox"/> No <input type="checkbox"/>	- -
Total measured rate from all wells utilized under this permit						2200 gpm		

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: _____

JUN 20 2014

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

6. Provide the total number of acres actually irrigated to date under this permit (if any). SALEM, OR

Surface Water Permits: I have applied water to _____ acres for irrigation to date.

Ground Water Permits: I have applied water to 400 acres for irrigation to date.

Please specify which wells are being utilized for this irrigation.

Well #7 Acres 400 Well #9 Acres 400

Well #13 Acres 400 Well # _____ Acres _____

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

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

CHART-F

APPROXIMATE DATE RANGE (projected)	LIST & DESCRIBE WORK TO BE ACCOMPLISHED TO COMPLETE WATER DEVELOPMENT (projected)	ESTIMATED COST (projected)
2014 - 2018	Totalizing flow meters on each of the 3 wells	\$5,000
Year: 2018	Date intend to apply water to full beneficial use under the terms and conditions of this permit.	
8.	Estimated remaining total cost to complete the water development: [OAR 690-315-0020(3)(g)]	\$5,000

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

9. Describe the reasons why the water development 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) Is the project 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? If yes, describe.

No

- 9-B) Did the financial resources needed to develop the project preclude completion of the project within authorized time frames? If yes, describe.

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No

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- 9-C) Did good faith attempts to comply with other agency permit conditions and/or acquire permits from other agencies, or otherwise comply with government regulations, delay completion of the project? If yes, describe.

No

- 9-D) Have other unforeseen events delayed full development of the water system and use of water within the authorized time frames? If yes, describe.

Yes Well 9 failed & had to be repaired.

[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. 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.

Five years should be adequate time to install meters on all 3 wells.

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

JUN 20 2014

SALEM, OR

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

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

APPLICATION FILE NUMBER: G-16983

SOURCE OF WATER: WELL 1, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

WELL LOCATIONS:

- WELL 1: ¹ NESE, SECTION 32, T25S, R30E, W.M.; 400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32
- WELL 2: ⁹ SESW, SECTION 33, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33
- WELL 3: ¹³ SESW, SECTION 34, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET EAST FROM SW CORNER, SESW, SECTION 34

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 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 ¼ SE ¼ 40.0 ACRES
NW ¼ SE ¼ 40.0 ACRES
SW ¼ SE ¼ 40.0 ACRES
SE ¼ SE ¼ 40.0 ACRES
SECTION 32

JUN 20 2014

SALEM, OR

NE ¼ SW ¼ 40.0 ACRES
NW ¼ SW ¼ 40.0 ACRES
SW ¼ SW ¼ 40.0 ACRES
SE ¼ SW ¼ 40.0 ACRES

SECTION 33

TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

GOV'T LOT 3 (4), NE ¼ NW ¼ 40.0 ACRES

GOV'T LOT 4 (4), NW ¼ NW ¼ 40.0 ACRES

SECTION 4

TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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. ①
- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement. ③

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction

Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the permittee shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

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SALEM, OR

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STANDARD CONDITIONS

SALEM, OR

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

The well(s) 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. (4)

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR Chapter 635, Division 415, Section 030 adopted November 13, 1991 shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter. (5)

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.

Completion of construction and application of the water shall be made within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued APRIL 3, 2009

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

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JUN 20 2014

SALEM, OR

Application G-16983 Water Resources Department
Basin 12 Volume 1A HARNEY L & MISC

PERMIT G-16461
10

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

Revised Log
HARN 51272
Harn 51272

WELL I.D. # L 72702

START CARD # 169131

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

(1) LAND OWNER Name And. Root Well Number _____
Address P.O. Box 946
City Burns State Or Zip 97720

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

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

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

(5) BORE HOLE CONSTRUCTION Special Construction: ☐ Yes ☒ No
Depth of Completed Well 375 ft.
Explosives used: ☐ Yes ☐ No Type _____ Amount _____

BORE HOLE				SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds	
18"	0	44	Bent	17	44	245	245
18"	0	17	Cement	17	17	14	14
14"	44	240					
12"	240		Cement			275	275

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☒ Other Pour Down Dry Bentonite
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"	0	77	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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
☐ 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"/>
						<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 Artesian
Yield gal/min 550 Drawdown 102 Drill stem at 200 Time 4 hrs

Temperature of water 60 Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes ☒ No
Did any strata contain water not suitable for intended use? ☒ No ☐ Too little
☐ Salty ☐ Muddy ☐ Colored ☐ Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County Harney
Tax Lot 2002 Lot _____
Township 25 N or S Range 30 E or W WM
Section 34 SE 1/4 SW 1/4

Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL
78 ft. below land surface. Date 4-30-06
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found 349

From	To	Estimated Flow Rate	SWL
349	371	500	78

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
Top Soil	0	3	—
Red Cinders	3	26	—
Brown Sand	26	35	—
Stone	35	349	—
Brown Basalt	349	371	78
Green Clay	371	375	78

Date Started 3-26-06 Completed 4-30-06

(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.

WWC 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.

WWC Number 1521 Date 9-15-06

Signed Donald M. Keen

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

HARN 51445

WELL LABEL # L 104470 51445
START CARD # 189552

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

(1) LAND OWNER Owner Well I.D. _____
First Name _____ Last Name _____
Company Rattle Snake Creek Land & Cattle Co
Address 524 Hwy 20
City Albion State OR Zip 97338

(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 ☐ Injection
☐ Thermal ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Standard: ☐ Yes (attach copy)

Depth of Completed Well 280 ft.

BORE HOLE			SEAL			Amount	Sgt/lbs
Dig	From	To	Material	From	To		
20'	C	35	Grout	C	35	34	
144	35	280					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E

☐ Other _____

Backfill placed from _____ ft. to _____ ft. Material _____

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used: ☐ Yes Type _____ Amount _____

(6) CASING/LINER

Casing	Linr	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
X		14"	H	0	35	.250	X		X	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____

Temporary casing ☐ Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method _____
Screens Type _____ Material _____

Perf	Scrn	Casing	Linr	Screen	From	To	Screen/	Slot	# of	Tele/
				Dia			slot	length	slots	pipe
										size

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian
Yield gal/min 1000 Drawdown 120' Drill stem/Pump depth 4 hr

Temperature 50 °F Lab analysis ☐ Yes By _____

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harn Twp 25 N or S Range 30 E or W W.M.
Sec 33 NE 1/4 of the NE 1/4 Tax Lot 3700
Tax Map Number _____ Lot _____
Lat _____ " or _____ DMS or DD
Long _____ " or _____ DMS or DD
Street Address of Well (or nearest address) NO ADDRESS
45519th

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well/Predeepening	<u>2-10-08</u>			<u>92</u>
Completed Well				

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
<u>2-10-08</u>	<u>140</u>	<u>190</u>	<u>7000-</u>			<u>92</u>

(11) WELL LOG

Ground Elevation _____

Material	From	To
TOP Soil	0	2
Sand gravel	2	23
Black sand stone	23	90
Blow clay	90	140
Pum. & clay	140	190
Tan clay	190	275
Sand gravel	275	280

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APR 28 2008

WATER RESOURCES DEPT
SALEM, OREGON

Date Started 1-27-08 Completed 2-10-08

(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 1654 Date 4-23-08

Signed _____

Contact Info. (optional) _____

Oregon Water Resources Department
Water Right Services Division

PROPOSED FINAL ORDER

In the Matter of the Application for an Extension of Time for Permit G-16461, Water Right Application G-16983, in the name of Andy Root

Permit Information

Application:	G-16983
Permit:	G-16461
Basin:	12 – Malheur Lake / Watermaster District 10
Date of Priority:	December 17, 2007
Source of Water:	well 1, well 2, and well 3 in Harney Lake Basin
Purpose of Use:	Irrigation use on 400.0 Acres
Maximum Rate:	5.0 cubic feet per second (cfs)

*****Please read this Proposed Final Order in its entirety as it may contain additional conditions not included in the original permit. *****

In Summary, the Department proposes to:

- Grant an extension of time to complete construction of the water system from April 3, 2014 to October 30, 2019.
- Grant an extension of time to apply water to full beneficial use from April 3, 2014 to October 30, 2019¹.
- Make the extension subject to certain conditions set forth below.

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.

¹Pursuant 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.

ACRONYM QUICK REFERENCE

Department – Oregon Department of Water Resources

PFO – Proposed Final Order

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) provides in pertinent part that the Oregon Water Resources 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-16461 was granted by the Department on April 3, 2009. The permit authorizes the use of up to 5.0 cfs of water from well 1, well 2, and well 3 for irrigation use on 400.0 acres. The permit specified construction of the water system was to be completed by April 3, 2014, and complete application of water was to be made on or before April 3, 2014.

2. The permit holder, Andy Root submitted an "Application for Extension of Time" to the Department on June 20, 2014, requesting both 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-16461 be extended from April 3, 2014 to October 30, 2019. This is the first permit extension requested for Permit G-16461.
3. Notification of the Application for Extension of Time for Permit G-16461 was published in the Department's Public Notice dated July 1, 2014. 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 537.230², 537.248³, 537.630⁴ and/or 539.010(5)⁵.

Complete Extension of Time Application [OAR 690-315-0040(1)(a)]

4. On June 20, 2014, 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. Senate Bill 300 (1999 legislation) eliminated the requirement that holders of new surface water and ground water permits start construction on water projects within one year after the Department issues the permit. Senate Bill 300 applies to any application for a permit filed after October 23, 1999, including this application.

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 June 20, 2014, the remaining work to be completed consists of installing totalizing flow meters on each well, submitting annual reports of water usage and applying water to full beneficial use.
7. Given the amount of development left to occur, the Department has determined that the permit holder's request to have until October 30, 2019, 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-16461 is both reasonable and necessary.

²ORS 537.230 applies to surface water permits only.

³ORS 537.248 applies to reservoir permits only.

⁴ORS 537.630 applies to ground water permits only.

⁵ORS 539.010(5) applies to surface water and ground water permits.

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 was completed prior to April 3, 2014. Construction of well 1(HARN 51272) began March 26, 2006 and was completed April 30, 2006.
 - b. Work was completed during the original development time frame under Permit G-16461. The permit holder constructed well 3 (HARN 51445) in 2008, constructed well 2 (HARN 51853) in 2012, and developed the water system delivery systems.

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-16461 on April 3, 2009, a maximum rate of 4.9 cfs of water has been appropriated from the wells for irrigation of 400.0 acres.

Compliance with Conditions [OAR 690-315-0040(3)(c)]

10. The Department has considered the permit holder's compliance with conditions, and has identified the following concerns: (1) the record does not show that totalizing flow meters or other suitable measuring device has been installed, and (2) annual reports of the amount of water used each month have not been received by the Department. The Department understands that until the totalizing flow meters are installed the usage reports cannot be submitted.

Failure to comply with permit conditions constitutes illegal use of water. Beneficial 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 to Appropriate and Apply Water to a Beneficial Purpose [OAR 690-315-0040(2)(b),(3)(d),(4)(d)]

11. As of June 20, 2014, the permit holder has invested approximately \$1,050,000, which is approximately 99 percent of the total projected cost for complete development of this project. 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)]

12. The Department has found good faith of the appropriator under Permit G-16461.

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:

13. 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)].

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-16461; furthermore, water availability for other affected water rights and scenic waterway flows after the permit was issued is determined when an application for a new water right is submitted. The points of appropriation for Permit G-16461, are located within the Malheur Lake Basin, and are not located within a limited or critical ground water area. The Malheur Lake 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. The points of appropriation are not in an area listed by the Department of Environmental Quality as a water quality limited stream.

Other economic interests dependent on completion of the project [OAR 690-315-0040(4)(e)].

14. None have been identified.

Other factors relevant to the determination of the market and present demand for water and power [OAR 690-315-0040(4)(f)].

15. 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)]

16. 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)]

17. Delay in the development of this project was not caused by any other governmental requirements.

Unforeseen Events [OAR 690-315-0040(2)(h)]

18. Unforeseen events extended the length of time needed to fully develop and perfect Permit G-16461, in that the permit holders were faced with a failed well that was repaired that restricted their ability to complete development of the project in a timely manner.

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 30, 2019, as required by OAR 690-315-0040(1)(c).
5. The Department has considered the reasonable diligence and good faith of the appropriator, the cost to appropriate and apply water to a beneficial purpose, the market and present demands for water to be supplied, the financial investment made and fair and reasonable return upon the investment, the requirements of other governmental agencies, and unforeseen events over which the permit holder had no control, whether denial of the extension will result in undue hardship to the applicant and whether there are no other reasonable alternatives for meeting water use needs, any other factors relevant to a determination of good cause, and has determined that the applicant has shown that good cause exists for an extension of time to apply water to full beneficial use pursuant to OAR 690-315-0040(1)(d).

6. As required by OAR 690-315-0050(6) and as described in Finding 15 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-16461.

Continued on the following page

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 complete construction of the water system under Permit G-16461 from April 3, 2014 to October 30, 2019.

Extend the time to apply water to beneficial use under Permit G-16461 from April 3, 2014 to October 30, 2019.

Subject to the following conditions:

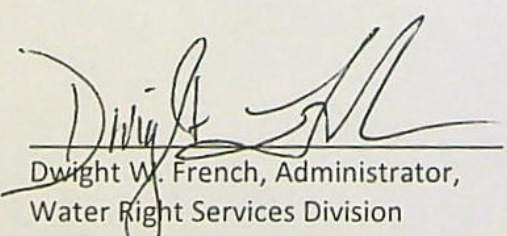
CONDITIONS

1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by **October 1, 2018**. *A form will be enclosed with your Final Order.*

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

DATED: October 28, 2014


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.*

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 December 12, 2014, 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 questions about statements contained in this document, please contact Machele A Bamberger at (503)986-0802.
 - 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 503-986-0820.
 - If you have any questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at 503-986-0900.
 - Address any correspondence to : Water Right Services Division
725 Summer St NE, Suite A
Salem, OR 97301-1266
Fax: 503-986-0901
-

Mailing List for Extension PFO Copies

PFO Date: October 28, 2014

Copies Mailed

Application: G-16983

Permit: G-16461

By: BO
On: 10/28/14

Original mailed to Applicant:

Andy Root
524 Hwy 20
Hines, OR 97738

Copies sent to:

1. WRD - App. File G-16983/ Permit G-16461
2. All Points Engr & Surveying, Inc.
P.O. Box 767
Terrebonne, OR 97760

Fee paid as specified under ORS 536.050 to receive copy:

3. None

Receiving via e-mail (10 AM Tuesday of signature date)
(DONE BY EXTENSION SPECIALIST)

4. WRD - Watermaster District 10, JR Johnson

CASEWORKER: MAB

Oregon Water Resources Department
Water Right Services Division

Water Rights Application
Number G-16983

FINAL ORDER

Extension of Time for Permit Number G-16461
Permit Holder: Andy Root

Permit Information

Application:	G-16983
Permit:	G-16461
Basin:	12 – Malheur Lake / Watermaster District 10
Date of Priority:	December 17, 2007
Source of Water:	Well 1, Well 2, and Well 3 in Harney Lake Basin
Purpose of Use:	Irrigation use on 400.0 Acres
Maximum Rate:	5.0 cubic feet per second (cfs)

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-16461 was issued by the Department on April 3, 2009. The permit called for completion of construction by April 3, 2014 and complete application of water to beneficial use by April 3, 2014. On June 20, 2014, Andy Root submitted to the Department an Application for Extension of Time for Permit G-16461. In accordance with OAR 690-315-0050(2), on October 28, 2014, the Department issued a Proposed Final Order proposing to extend the time to complete construction to October 30, 2019, and the time to fully apply water to beneficial use to October 30, 2019. The protest period closed December 12, 2014, in accordance with OAR 690-315-0060(1). No protest was filed.

FINDINGS OF FACT

The Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated October 28, 2014.

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 the following conditions:

CONDITIONS

1. Checkpoint Condition

The permit holder must submit a completed Progress Report Form to the Department by October 1, 2018. *A form is enclosed with this 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.

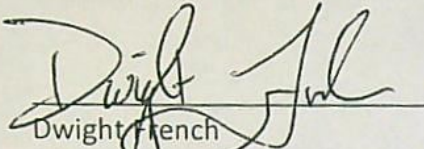
CONCLUSION OF LAW

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-16983, Permit G-16461, therefore, is approved subject to conditions contained herein. The deadline for completing construction is extended to from April 3, 2014 to October 30, 2019. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from April 3, 2014 to October 30, 2019.

DATED: December 19, 2014



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

-
- If you have any questions about statements contained in this document, please contact the Permit Extension Specialist at (503) 986-0802.
 - 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
-



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

Extension of Time
Progress Report Form
For Checkpoints

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

Permit Holder: Andy Root

Application G-16983

Permit G-16461

Progress Report for 2018

Report Due no later than October 1, 2018

DO NOT SUBMIT PRIOR TO 30 DAYS BEFORE DUE DATE

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-16461.

FAILURE TO SUBMIT THIS REPORT WILL MOST LIKELY RESULT IN ANY FUTURE EXTENSION BEING DENIED.

DATES	LIST ALL WORK ACCOMPLISHED and FINANCIAL INVESTMENTS For the period of time between June 20, 2014 and October 1,	FINANCIAL INVESTMENT
	<i>Installed totalizing flow meters on all three wells</i>	
	<i>Annual reports of water usage submitted to the Department</i>	

2. Describe actions to achieve compliance with conditions of the permit and/or previous extension.

3. Total number of acres irrigated to date: _____ (NA if not applicable)

4. Provide the maximum rate, or duty if applicable, of water diverted for beneficial use under this permit, if any, to date.

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

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.

INCOMPLETE REPORTS WILL BE RETURNED. AN ANSWER IS REQUIRED IN EACH ITEM.

Signature _____ Date _____

Printed Name/Title _____

Diligence Shown ☐ Yes ☐ No

Date Public Noticed: _____
For OWRD use only

Reviewed by: _____

Date: _____

Mailing List for Extension FO Copies

FO Date: December 19, 2014

Copies Mailed

Application: G-16983

By: BAJ

Permit: G-16461

On: 12/19/14

Original mailed to permit holder

Andy Root
524 Hwy 20
Hines, OR 97738

Copies sent to:

1. WRD - App. File G-16983/ Permit G-16461
2. All Points Engr & Surveying, Inc.
P.O. Box 767
Terrebonne, OR 97760

Fee paid as specified under ORS 536.050 to receive copy:

3. None

Receiving notification via e-mail - FO available in WRIS for review

(DONE BY EXTENSION SPECIALIST)

4. WRD - Watermaster District 10, JR Johnson

If Progress Reports are included:

(DONE BY EXTENSION SPECIALIST)

Add record to Progress Report tracking sheet.xls Done: by MAB Date 12-18-14

CASEWORKER: MAB



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

October 30, 2006

app G-12770
app G-14678
app G-14888
app G-16983

ANDY ROOT,
~~PO BOX 946; 72163 RATTLESNAKE RD~~
~~BURNS, OR 97720~~

New address:

524 Hwy 20 N.

Hines, OR 97738

✓ updated db

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

COPY

Gary L. Ball, PE, PLS
Hydrographics/Measurement & Reporting Manager
Voice: 503-986-0831, Fax: 503-986-0902
Gary.L.BALL@wrd.state.or.us

2005

Oregon Water Resources Department
October 2005 through September 2006
Annual Water Use - Monthly Quantities Form

USER-ID 28096

2006



Facility Use POD-ID					
October - 2005					
November - 2005					
December - 2005					
January - 2006					
February - 2006					
March - 2006	See attached (5) sheets				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]
Signature

Title

Reporting Entity

12/4/06
Date

Name - Please Print

Please complete and mail to: Water Resources Department; Water Use Reporting Program;
725 Summer Street NE, Suite A; Salem, OR 97301-1266.

RECEIVED

DEC 07 2006

WATER RESOURCES DEPT
SALEM, OREGON

544 573 6646
B.11 Beal

Andy Root

P-1 of 5

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

User # 28096

2005 - 2006

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

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

Meter # 16521890 Wells 1 & 2 = 154,400 Kwh

Meter # 97214937 Well # 3 = 88,500 Kwh

Total 242,900 Kwh used

Combined HP = 258

$$\frac{242,900 \text{ Kwh}}{193.5} \div \frac{1255.3 \text{ hrs}}{24} = 52.3 \text{ days}$$

$$\text{Water pumped } \frac{2800 \text{ GPM}}{450 (1 \text{ cfs})} = 6.22 \text{ CFS} = 12.4 \text{ ac ft/day}$$

$$12.4 \text{ ac ft/day} \times 52.3 \text{ days} = \frac{648.6 \text{ ac ft/yr}}{375 \text{ acres}} = 1.73 \text{ ac ft/ac/yr} \checkmark$$

L-16814
Well #4 Pod-47873 Meter # 21467136 = 188,272 Kwh

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

$$\frac{188,272 \text{ Kwh}}{63.75} \div \frac{2953.3 \text{ hrs}}{24} = 123.1 \text{ days}$$

$$\text{Water Pumped } \frac{1250 \text{ GPM}}{450 (1 \text{ cfs})} = 2.78 \text{ CFS} = 3.56 \text{ ac ft/day}$$

$$123.1 \text{ days} \times 3.56 \text{ ac ft/day} = \frac{438.2 \text{ ac ft}}{250 \text{ acres}} = 1.75 \text{ ac ft/ac/yr} \checkmark$$

COPY

Andy Root

P-2 of 5

user ID-286

L-35538

Well # 5 Pod-47874V

L-28438

Well # 6 Pod 47875 V Pivot 9 = 125 acres

Meter # 99180170 = 77,550 Kwh

HP = 79.2

$\times .75$

59.4

$\frac{77,550 \text{ Kwh}}{59.4} = \frac{1305.6 \text{ hrs}}{24} = 53.4 \text{ days}$

$\frac{850 \text{ GPM}}{450 \text{ (ICFS)}} = 1.89 \text{ CFS} = 3.78 \text{ ac ft/day}$

$53.4 \text{ days} \times 3.78 \text{ ac ft/day} = \frac{205.6 \text{ ac ft}}{125 \text{ ac}} = 1.65 \text{ ac ft/ac/yr}$

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 = 575 acres Permit G-13539, G-1

$\times .75 \text{ basic Kwh/HP} \frac{175,960}{81.3} = \frac{2164.3 \text{ hrs}}{24} = 90.2 \text{ days}$

81.3

$\frac{3600 \text{ GPM}}{450 \text{ (ICFS)}} = 8 \text{ CFS} = 16 \text{ ac ft/day}$

$90.2 \text{ days} \times 16 \text{ ac ft/day} = \frac{1442.9 \text{ ac ft}}{575 \text{ acres}} = 2.51 \text{ ac ft/ac/yr}$

L-28334

Well # 9 Pod 48473

Meter # 84213406 = 237,960 Kwh

199 HP

Permit G-13730 Pivot 10 ~ 125 acres

$\times .75$

149.3

$\frac{237,960 \text{ Kwh}}{149.3} = \frac{1593.8 \text{ hrs}}{24} = 66.4 \text{ days}$

Pumped $\frac{900 \text{ GPM}}{450 \text{ (ICFS)}} = 2 \text{ CFS} = 4 \text{ ac ft/day}$

$66.4 \text{ days} \times 4 \text{ ac ft/day} = \frac{265.6 \text{ ac ft}}{125 \text{ acres}} = 2.13 \text{ ac ft/ac/yr}$

Andy Root

P-3 of 5

User I.P. 28906

Well # 10 L-35540

meter # 23267949 = 113,573 Kwh

Pivot # 13 125 ac ^(appl) Permt G-14743

permit 913402

79.2 hp

$$\frac{.75 \text{ basic Kwh/hp}}{59.4} \frac{113,573 \text{ Kwh}}{59.4} = \frac{1912.0 \text{ hrs}}{24} = 79.7 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 \text{ (1 cfs)}} = 2 \text{ CFS} = 4 \text{ ac ft/day}$$

$$79.7 \text{ days} \times 4 \text{ ac ft/day} = \frac{318.7 \text{ ac ft}}{125 \text{ acs}} = \boxed{2.55 \text{ ac ft/ac/yr}}$$

Well # 14

meter # 04389602 = 62,544 Kwh

40 hp

80 acs wheel lines

$$\frac{.75}{30} \frac{62,544 \text{ Kwh}}{30} = \frac{2084.8 \text{ hrs}}{24} = 86.9 \text{ days}$$

$$\frac{650 \text{ GPM}}{450 \text{ (1 cfs)}} = 1.44 \text{ CFS} = 2.88 \text{ ac ft/day}$$

$$86.9 \text{ days} \times 2.88 \text{ ac ft/day} = \frac{250.2 \text{ ac ft}}{80} = \boxed{3.12 \text{ ac ft/ac/yr}}$$

Well # 15

Pivot # 17 120 ac Meter # 9160385 = 117,492 Kwh

125 hp

$$\frac{.75}{93.75} \frac{117,492 \text{ Kwh}}{93.75} = \frac{1253.2 \text{ hrs}}{24} = 52.2 \text{ days}$$

$$\frac{960 \text{ GPM}}{450 \text{ (1 cfs)}} = 2.13 \text{ CFS} = 4.26 \text{ ac ft/day}$$

$$52.2 \text{ days} \times 4.26 \text{ ac ft/day} = \frac{222.5 \text{ ac ft}}{120 \text{ ac}} = \boxed{1.85 \text{ ac ft/ac/yr}}$$

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Andy Root

P-4 of 5

User ID - 289

L-5
Well #1

L-5 Pivots

Meter # 86195924 = 166640 Kwh

Pivots 1, 2, 3 = 412 Acres Permit G-12841

200 HP

$$\frac{.75 \text{ basic Kwh/hp}}{150} \quad \frac{166640 \text{ Kwh}}{150} = \frac{1110.9 \text{ hrs}}{24} = 46.3 \text{ days}$$

$$\frac{2400 \text{ GPM}}{450 (1 \text{ CFS})} = 5.33 \text{ CFS} = 10.66 \text{ ac ft/day}$$

$$46.3 \text{ days} \times 10.66 \text{ ac ft/day} = \frac{493.40 \text{ ac ft}}{412} = 1.2 \text{ ac ft/ac/yr}$$

L-5
Well #2

Meter # 86195925 = 281200 Kwh

Pivot # 4-125 acres Permit G-9419

200 HP

$$\frac{.75 \text{ basic Kwh/hp}}{150} \quad \frac{281200 \text{ Kwh}}{150} = \frac{1874.7 \text{ hrs}}{24} = 78.1 \text{ days}$$

$$\frac{900 \text{ GPM}}{450 (1 \text{ CFS})} = 2 \text{ CFS} = 4 \text{ ac ft/day}$$

$$78.1 \text{ days} \times 4 \text{ ac ft/day} = \frac{312.4 \text{ ac ft}}{125 \text{ acres}} = 2.5 \text{ ac ft/ac/yr}$$

L-5
Well #3

Meter # 10664716 = 134,600 Kwh

Pivots 5 & 6 270 acres Permit G-9419

144.5 HP

$$\frac{.75 \text{ basic Kwh/hp}}{108.4} \quad \frac{134,600 \text{ Kwh}}{108.4} = \frac{1241.7 \text{ hrs}}{24} = 51.7 \text{ days}$$

$$\frac{1400 \text{ GPM}}{450 (1 \text{ CFS})} = 3.11 \text{ CFS} = 6.22 \text{ ac ft}$$

$$51.7 \text{ days} \times 6.22 \text{ ac ft/day} = \frac{321.8 \text{ ac ft}}{270 \text{ acres}} = 1.19 \text{ ac ft/ac/yr}$$

COPY

Andy Root

P-5 OF 5

Use ID 28906

L-5
Well #4

99180169
Meter # 05308042

> 79,968 Kwh

Pivot #7 60 acres Permit G-9419

40 HP

$$\frac{.75 \text{ basic Kwh/HP}}{30} \frac{79,968 \text{ Kwh}}{30} \frac{2665.6 \text{ hrs}}{24} = 110.1 \text{ days}$$

$$\frac{300 \text{ GPM}}{450 (1 \text{ CFS})} = .67 \text{ CFS} = 1.34 \text{ ac ft/day}$$

$$110.1 \text{ days} \times 1.34 \text{ ac ft/day} = \frac{148.8 \text{ ac ft}}{60 \text{ acres}} = 2.48 \text{ ac ft/ac/yr}$$

L-5
Well #5

New
Meter # 85755331 = 281,120 Kwh

212 HP

Pivots 87.9 = 300 acres Appl. G-16460

$$\frac{.75 \text{ basic Kwh/HP}}{159} \frac{281,120 \text{ Kwh}}{159} = \frac{1768.1 \text{ hrs}}{24} = 73.7 \text{ days}$$

$$\text{Pumped } \frac{1800 \text{ GPM}}{450 (1 \text{ CFS})} = 4 \text{ CFS} = 8 \text{ ac ft/day}$$

$$73.7 \text{ days} \times 8 \text{ ac ft/day} = \frac{589.4 \text{ ac ft}}{300} = 1.97 \text{ ac ft/ac/yr}$$

Note The spring & summer rains helped in reduced pumping.

COPY



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

April 6, 2009

ANDY ROOT
524 HWY 20 N
HINES OR 97738

REFERENCE: FILE G-16983

Andy Root:

Enclosed please find a check in the amount of \$300. This refund results from excess fees having been collected for the application referenced above.

If you have any questions, please contact Brook Geffen, at 503-986-0808.

Sincerely,

E. Timothy Wallin
Water Rights Program Manager

cc: file
Fiscal Section (receipt #90968)

enclosure

TO SIGN UP FOR DIRECT DEPOSIT PAYMENT SERVICE AND RECEIVE CONVENIENT,
ELECTRONIC PAYMENTS, LOG-ON TO <http://egov.oregon.gov/DAS/SCD/SFMS/ach.shtml>
ON THE INTERNET. CLICK ON: FORMS AND BROCHURES THEN SELECT DIRECT
DEPOSIT (ACH) AUTHORIZATION FORM.

Mailed 4/21/09
JV

(503) 986-0926 EXT.

INVOICE NO.	INVOICE DATE	INVOICE DESCRIPTION	AGY	DOCUMENT	AMOUNT
90968		REVENUE REFUND	690	VP029365	300.00

VENDOR NAME:	ANDY ROOT	ISSUE DATE:	04/17/09	WARRANT AMOUNT	300.00
--------------	-----------	-------------	----------	----------------	--------

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16983

Final Order

Appeal Rights

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

This statement of judicial review rights does not create a right to judicial review of this order, if judicial review is otherwise precluded by law. Where no changes have been made to a Proposed Final Order on a water right application and no protests have been filed during the protest period, the Final Order is not subject to judicial review.

Application History

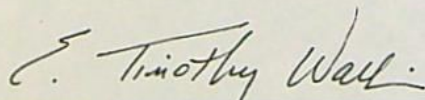
On December 17, 2007, Andy Root submitted an application to the Department for a water use permit. The Department issued a Proposed Final Order on December 2, 2008. The protest period closed January 16, 2009, and no protest was filed.

The proposed use would not impair or be detrimental to the public interest.

Order

Application G-16983 therefore is approved as proposed by the Proposed Final Order, and Permit G-16461 is issued as limited by the conditions proposed by the Proposed Final Order.

DATED April 3, 2009



for Phillip C. Ward, Director
Water Resources Department

This document was prepared by Brook Geffen. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0808.

If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801.

Address all other correspondence to: Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

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

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

APPLICATION FILE NUMBER: G-16983

SOURCE OF WATER: WELL 1, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

WELL LOCATIONS:

WELL 1: NESE, SECTION 32, T25S, R30E, W.M.; 400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32

WELL 2: SESW, SECTION 33, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33

WELL 3: SESW, SECTION 34, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET EAST FROM SW CORNER, SESW, SECTION 34

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 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 ¼ SE ¼ 40.0 ACRES
NW ¼ SE ¼ 40.0 ACRES
SW ¼ SE ¼ 40.0 ACRES
SE ¼ SE ¼ 40.0 ACRES
SECTION 32

NE $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
NW $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 40.0 ACRES

SECTION 33

TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

GOV'T LOT 3 (4), NE $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
GOV'T LOT 4 (4), NW $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES

SECTION 4

TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction

Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the permittee shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

The well(s) 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.

If the riparian area is disturbed in the process of developing a point of appropriation, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR Chapter 635, Division 415, Section 030 adopted November 13, 1991 shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

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.

Completion of construction and application of the water shall be made within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued APRIL 3, 2009

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

Mailing List for FO Copies

Application #G-16983

Original mailed to applicant with claim of beneficial use form:

ANDY ROOT
524 HWY 20 N
HINES OR 97738

Copies sent to: 1. WRD - File # G-16983
2. WRD - Ken Stahr

Copies Mailed	
By:	<u>AS</u> (SUPPORT STAFF)
on:	<u>4/3/09</u> (DATE)

FO and Map Copies sent to (remember to reduce copy margins):

3. WRD - Watermaster District #: 10
4. WRD - Regional Manager: ER

Copies sent to Other Interested Persons (CWRE, Agent, Commenter, etc.)

5. Chris Palmer, CWRE #100

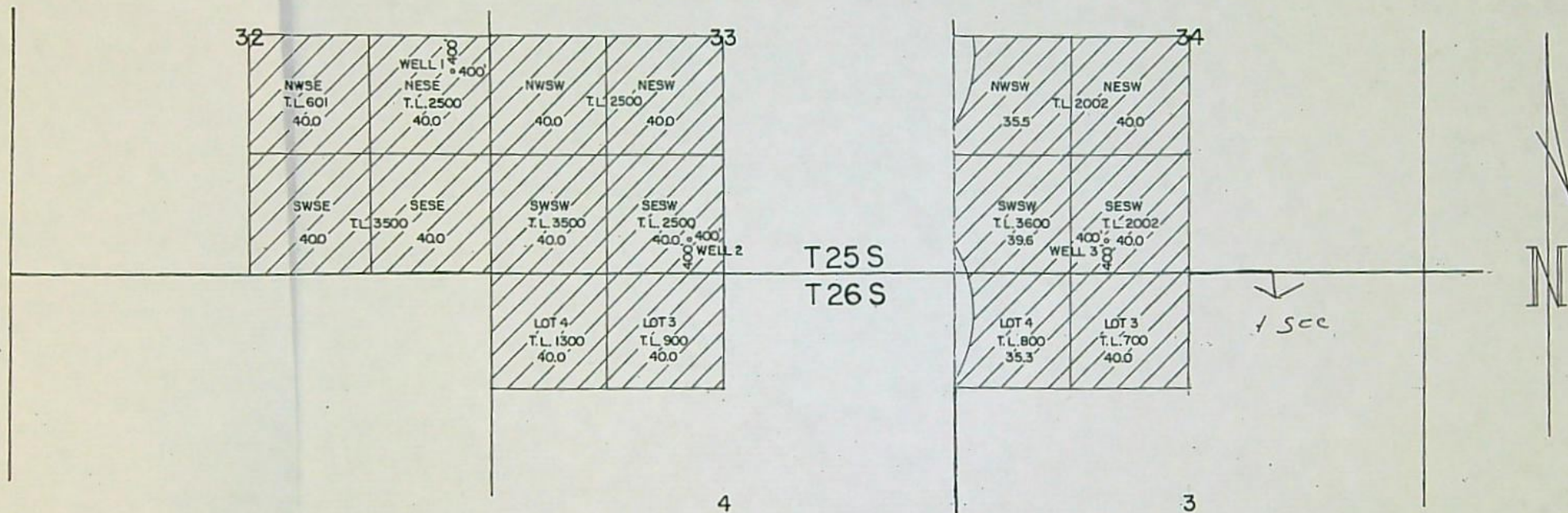
"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

1.

CASEWORKER : Brook Geffen

superceded

T 25 S,
T 26 S, R 30 E, WM



THE PURPOSE OF THIS MAP IS TO
IDENTIFY THE LOCATION OF THE
WATER RIGHT. IT IS NOT INTENDED
TO PROVIDE INFORMATION RELATIVE
TO THE LOCATION OF PROPERTY
OWNERSHIP.

RECEIVED

DEC 17 2007

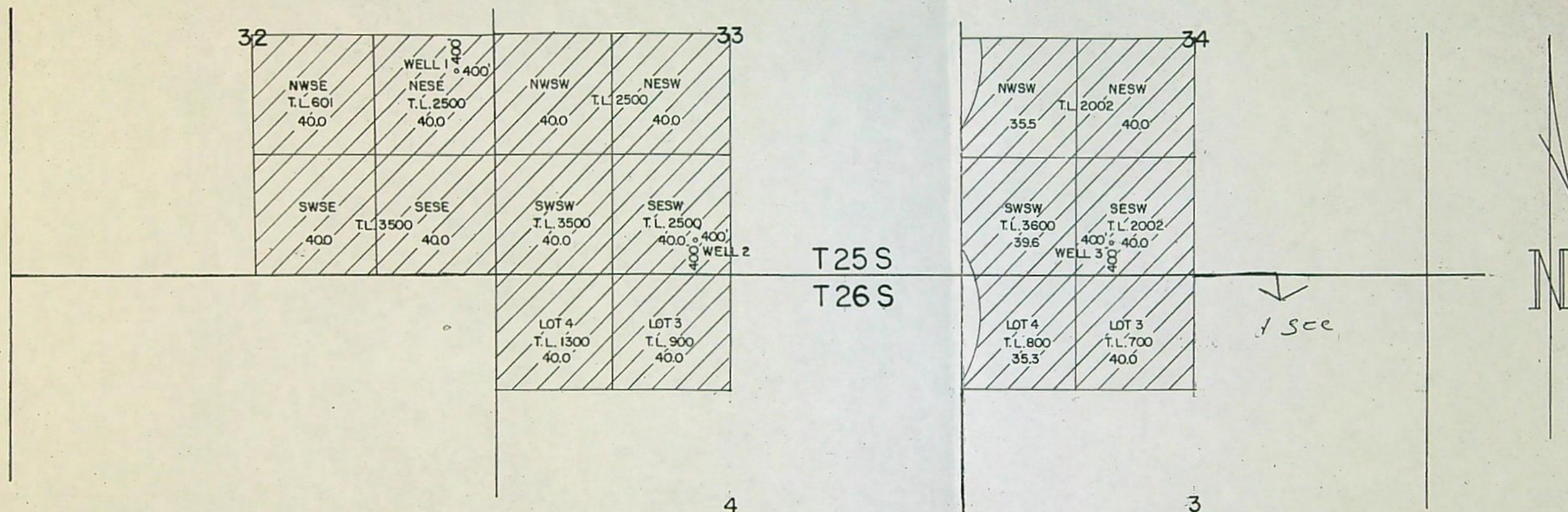
WATER RESOURCES DEPT
SALEM, OREGON

				RATTLESNAKE CREEK LAND & CATTLE CO., LLC WATER RIGHT APPLICATION MAP			
Scale: 4" = 1 MILE		Date: DEC. 2007		Job: 2058			
Dsn:				Sht. No.			
Dm: CHRIS				of 1			
Ckd:		M.A. PALMER & SONS, INC. ENGINEERING & SURVEYING 711 Ponderosa Village - Box 61 Burns, Oregon 97720					

AppNo G-16983 Permit No G116461

superceded

T 25 S,
T 26 S, R 30 E, WM



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RECEIVED

DEC 17 2007

WATER RESOURCES DEPT
SALEM, OREGON

	RATTLESNAKE CREEK LAND & CATTLE CO., LLC		
	WATER RIGHT APPLICATION MAP		
	Scale: 4" = 1 MILE	Date: DEC. 2007	Job: 2058
	Dsn:	M.A. PALMER & SONS, INC. ENGINEERING & SURVEYING 711 Ponderosa Village • Box 61 Burns, Oregon 97720	
Dm: CHRIS	MAP's		Sht. No.
Ckd:			of 1

App No G-16983

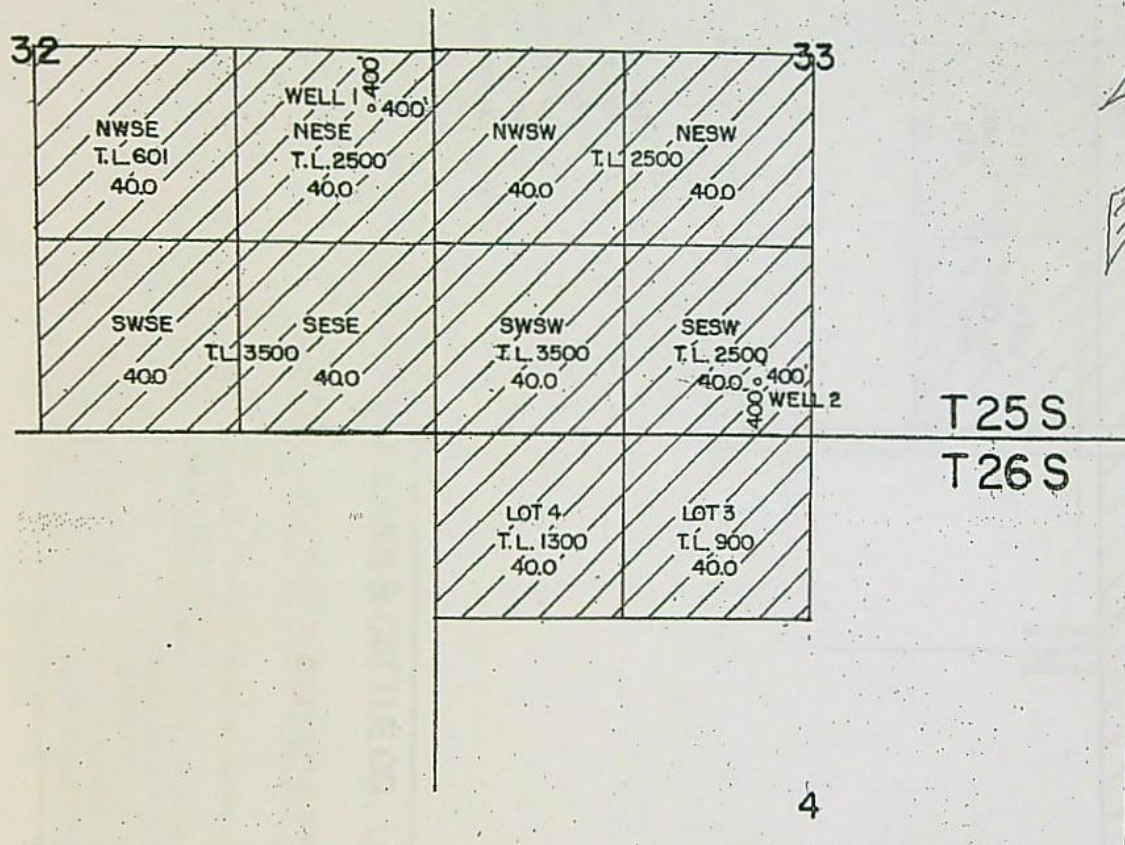
T 25 S,
T 26 S, R 30 E, WM

RECEIVED

JUN 02 2008

WATER RESOURCES DEPT
SALEM, OREGON

See "superceded"
map for well 3
& associated
coordinates, dated
12/17/07 by



corrected
5.30-08
B.II Bca

RECEIVED

DEC 17 2007

WATER RESOURCES DEPT
SALEM, OREGON



RATTLESNAKE CREEK LAND & CATTLE CO., LLC

WATER RIGHT APPLICATION MAP

Scale: 4" = 1 MILE

Date: DEC. 2007

Job: 2058

Dsn:

Drm: CHRIS

Ckd:

MAP's

M.A. PALMER & SONS, INC.
ENGINEERING & SURVEYING
711 Penderosa Village - Box 61
Burns, Oregon 97729

Sht. No.

of

G-16983

RENEW 1-1-2009

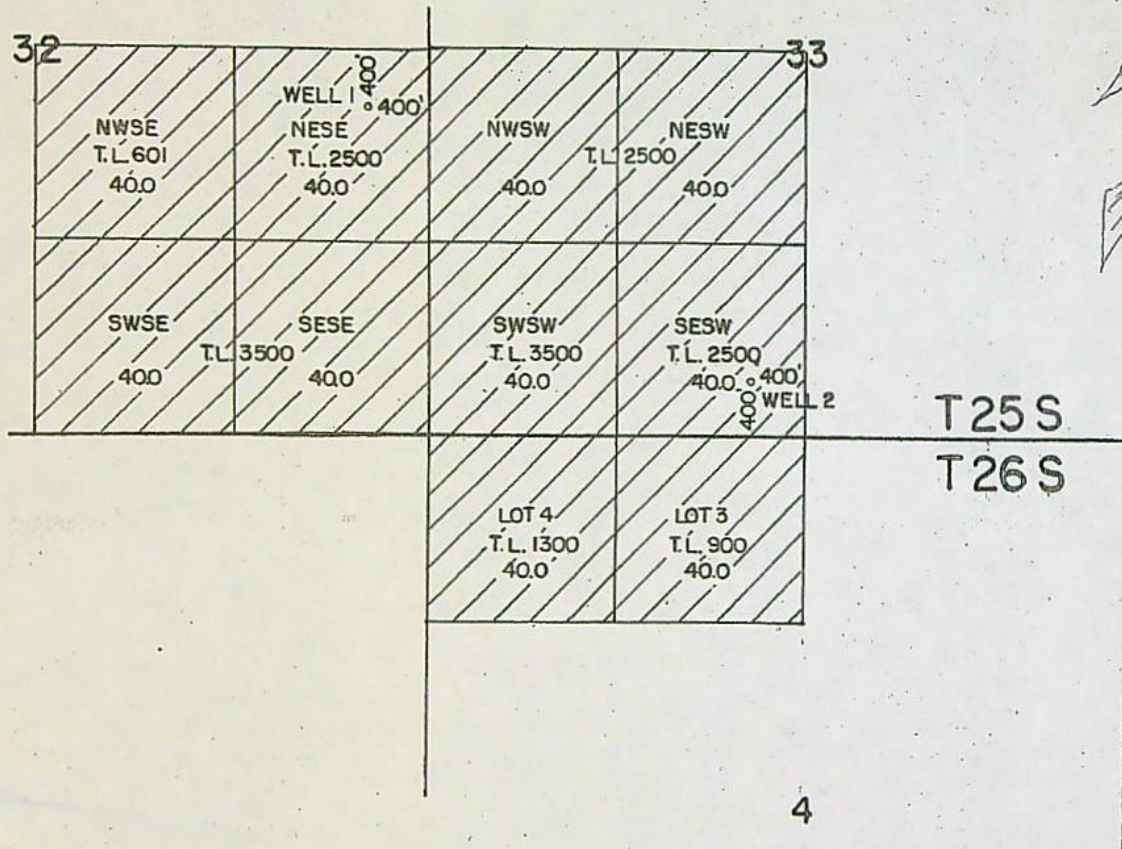
T 25 S, R 30 E, WM
T 26 S,

RECEIVED

JUN 02 2008

WATER RESOURCES DEPT
SALEM, OREGON

See "improved"
map for well 3
& associated
coordinates, dated
12/17/02 by



corrected
5-30-08
B.H. Beal

RECEIVED

DEC 17 2007

WATER RESOURCES DEPT
SALEM, OREGON



RATTLESNAKE CREEK LAND & CATTLE CO., LLC

WATER RIGHT APPLICATION MAP

Scale: 4" = 1 MILE

Date: DEC. 2007

Job: 2058

Dsn:

Dm: CHRIS

Ckd:

M.A.P's

M.A. PALMER & SONS, INC.
ENGINEERING & SURVEYING
711 Penderosa Village • Box 61
Burns, Oregon 97720

Sht. No.

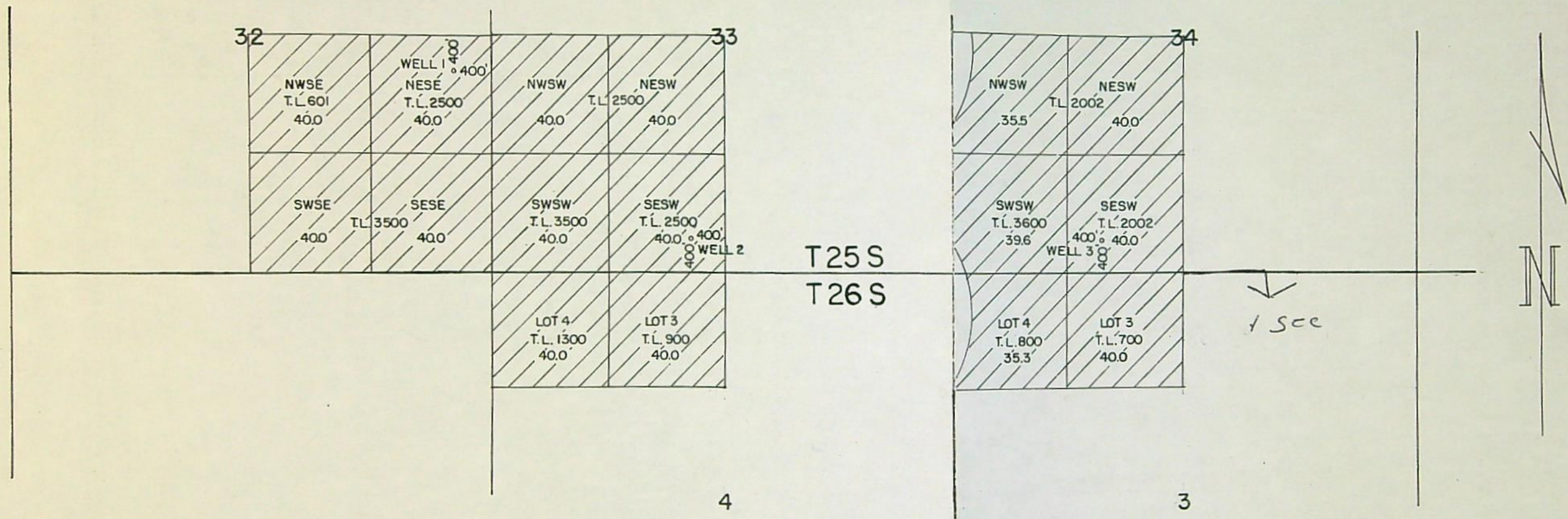
of 1

RENEW 1-1-2009

G-16983

superceded

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T 26 S, R 30 E, WM



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DEC 17 2007

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SALEM, OREGON

App No G-16983

	RATTLESNAKE CREEK LAND & CATTLE CO., LLC		
	WATER RIGHT APPLICATION MAP		
	Scale: 4" = 1 MILE	Date: DEC. 2007	Job: 2058
	Dsn:	M.A. PALMER & SONS, INC. ENGINEERING & SURVEYING 711 Penderosa Village • Box 61 Burns, Oregon 97720	
Drn: CHRIS		Sht. No.	
Ckd:		of 1	

FO Checklist

Application #: G-16983 Applicant: ANDY ROOT

☒ Name and/or address has **changed or been assigned** ☐ Yes ☒ No
If new: _____

☒ Respond to **significant comments, issues, or disputes** related to the proposed use of water. ☒ N/A

☒ Affected landowner(s) have been notified ☐ N/A ☐ Yes ☐ No, send a letter to landowners before FO issuance.

☒ Verify names/addresses of affected landowners, and those who commented and/or paid \$10 fee. ☒ N/A

☒ Include fish screen form if ODFW requested **screening condition and rate ≤ 0.5 CFS** ☐ N/A ☐ Yes ☐ No

☒ PFO conclusions **require modification** due to typos, errors or omission of conditions ☐ Yes ☒ No
If so: _____

☒ Within North Umpqua settlement reach and issuing permit, **spreadsheet has been updated** ☒ N/A ☐ Yes

☒ SWW If GW and interference, copy form for Stahr. ☒ N/A

<input checked="" type="checkbox"/> Fees	Base Fee	Water Amount (Q)
	\$150 / \$250	1 st CFS/AF
	\$300 (<u>\$500</u>)	<u>4</u> Addl @ <u>100</u>
		_____ Addl @ _____
		<u>2</u> Add'l <input checked="" type="checkbox"/> POD/POA <input type="checkbox"/> use + <u>400</u>
	<u>500</u> (base) +	<u>1000</u> (Q) = <u>1500</u> (total exam fee)

EXAM FEE REQUIRED	<u>1500</u>	RECORDING FEE REQUIRED	\$175 / \$250 / (<u>\$300</u>)
EXAM FEE PAID	<u>1800</u>	RECORDING FEE PAID	<u>300</u>
STILL OWED	<u>300</u>	STILL OWED	<u>—</u>

___ FO w/ draft permit; still needed:

- ___ fees
- ___ easement
- ___ st water contract
- ___ approved dam plans & specs
- ___ land use approval

☒ FO w/ permit # 16461

___ FO to deny
refund \$ _____

Name: Brook Geffen

Date: 3/16/2009

Peer Reviewer: _____

PFO Checklist

Application #: G-16983 Applicant: ANDY ROOT

☒ Shortcomings preventing PFO? Y / ☒ N Should process continue? Y / N

☒ IR Date 5/13/08 Public Notice Date 5/17/08 Comments received? Y / ☒ N

☒ Was additional information requested in the IR? Y / ☒ N If so, do we now have enough info to do the PFO? Y / N

☒ Was the application filed after 10/23/99? ☒ Y / N (If not, add A date requirement)

☒ B.O.R. or Doug Co. project Y / ☒ N Contract in file? N contract # _____

☒ POD characteristics identifies as DEQ 303d? Y ☒ N NA Comments received? Y / N

☒ Is second gw review necessary? Y / ☒ N NA Complete? Y / N

☒ Water Availability ☒ OK / REDONE / NA

☒ Have conflicts been addressed? Y / N / ☒ NA

☒ Changes from IR determinations 0

☒ SWW If GW and interference, copy form for Stahr.

☒ Copy to Reg Manager ER WM 10 CWRE _____ Agent _____

Chris Palmer

<input checked="" type="checkbox"/> Fees	Base Fee	Water Amount (Q)
	\$150 / \$250	1 st CFS/AF
	\$300 / \$500	
		<u>7</u> Addl @ <u>100</u>
		<u>2</u> Add'l <input checked="" type="checkbox"/> POD/POA <input type="checkbox"/> use + <u>400</u>
	<u>500</u>	<u>1300</u>
	(base)	(Q)
		= <u>1800</u>
		(total exam fee)

EXAM FEE REQUIRED	<u>1800</u>	RECORDING FEE REQUIRED	\$175 / \$250 / <u>\$300</u>
EXAM FEE PAID	<u>1800</u>	RECORDING FEE PAID	<u>300</u>
STILL OWED	<u>0</u>	STILL OWED	<u>0</u>

Name: Brook Geffen Date: 11/6/2008

Peer Reviewer: [Signature]

The purpose of this checklist is to be used as a working document by Department staff to aid in the production of the related Initial Review, Proposed Final Order, or Final Order. It is not intended to be a complete record of all factors which were considered to produce the document, nor is it intended to serve any purpose other than that stated above. The related Initial Review, Proposed Final Order, or Final Order is intended to stand alone as the record of factors considered in its production.

IR CHECKLIST

Application #: G-16983 Applicant: ANDY ROOT

Use(s): IRRIGATION USE ON 630.4 ACRES Priority Date: DECEMBER 17, 2007

☒ MU or QM ☒ NA ☐ will complete construction within 20 years
☐ Fujii reviewed recommendations _____

☒ Is the application complete? ☐ No ☒ Yes

☒ ORS 538 prohibits use ☒ No ☐ Yes If so, do not do an IR; return the application & fees to the applicant.

☒ DIV 9 ☒ NA ☐ will likely be available... ☐ will not likely be available... ☒ will, if properly conditioned...

☐ classify as surface water well _____ has PSI with _____

(include basin map if true) well _____ is within ☐ 1N 3E 20, 21, 28, 29 ☐ GWLA ☐ CGWA _____

GW conditions 7N

☒ DIVISION 33 ☒ NA ☐ No ☐ above Bonneville, and ☐ not allowed 4/15 - 9/30
☐ below Bonneville
☐ statewide

☒ SW Availability ☒ NA ☐ 80% live ☐ 50% storage _____ WID: _____

☐ Use DWF's nonstandard W/A memo if the source is a Drews Reservoir tributary; the Snake River; the Columbia River; the North Umpqua River below Rock Creek; or within the drainages of the Lost River, Chehalem Creek, or Champoeeg Creek (including Mission & Case Creeks)

☒ POU conflict ☐ NA ☒ No ☐ No, different sources ☐ No, make up a deficiency in rate ☐ No, existing not at max. rate

☒ Yes 255 30E 8c 34 SW SW + SE SW - Permit G-16150
128.6 acres 23.3 acres + NE SW - 0.2 acres

☒ Use is supplemental, checked for primary rights w/ diff source ☒ NA ☐ Yes limits _____

☒ Use is ☒ allowed ☐ not allowed ☐ limited ☐ OAR ☐ Compact 690 SR - 0040

☒ Requested Use/Rate/Season 1N 1/8.02 cfs / March - Oct 31

Allowed Use/Rate/Season 1N 1/8.02 cfs = 7.88 / March - Oct 31 Limit 7.8% Duty _____

☒ Land use ☒ approved ☐ not approved ☐ being pursued ☐ county notified ☐ NA

☒ Storage contract ☒ NA ☐ BOR ☐ Doug Co ☐ Corp of Eng ☐ needed ☐ obtained _____

☒ Authorized agent specified ☒ NA ☐ needed ☐ Yes _____

☒ Conditions: LARGE

☐ Small ≤ 0.1 CFS, ≤ 9.2 AF, ☐ Medium > 0.1 and < 1.5 CFS, > 9.2 and < 100 AF, ☒ Large ≥ 1.5 CFS, ≥ 100 AF
Use at least "Medium" when the source is Siltcoos Lake, Sandy Basin GW, or stored water with a contract.
Use "Large" for temp control (including NU), or HC above a SWW, Tenmile Lake, or if applicant is a government entity
Use "Large-7g" or "Large-7i" if GW recommends 7g or 7i
Use "Large with totalizing flow meter" for IR permits in South Salem Hills or IR over 10 Ac. in Stage Gulch CGWA

☒ Stream is withdrawn ☒ NA ☐ No ☐ Yes, allows use/season _____

☒ Basin Maps have been checked ☒ NA ☐ Yes limits _____

☒ SWW ☒ NA ☐ above ☐ within _____ (If GW and interference, copy form for Stahr.)

Application #: G-16983 Applicant: ANDY ROOT

☒ Use is within a high priority area for streamflow restoration ☒ NA ☐ No ☐ Yes

☒ Letter format ☒ good ☐ limited ☐ bad ☐ bad w/ rate reduction opportunity ☐ bad w/ HC opportunity

☒ POD is within North Umpqua settlement reach and the spreadsheet was updated ☒ NA ☐ Yes

☒ Forms ☒ NA ☐ DIV 33 ☐ basin map ☐ HC except ☐ spring description other _____

☒ Copy to ☐ NWR ☐ WM # 10 ☐ ODFW ☐ CRIFC
☐ NCR ☐ agent ☐ DEQ ☐ US Fish & Wildlife
☒ ER ☐ CWRE ☐ DOA ☐ NW Planning Council
☐ SWR ☐ State Parks ☐ CTUIR

☐ DOA Food Safety Division
(bottled water)

☐ city _____
(w/in 5-mile muni wells)

☒ Prior to permit, applicant must submit ☒ NA ☐ storage contract ☐ easement ☐ plans/specs ☐ evidence of well repair

☒ App and map meet min. requirements ☒ Yes ☐ No _____
(If not, send IR certified)

____ E-mailed Tim, including note if negative? ☐ No ☐ Yes

☒ Fees 8.02 CFS
_____ AF

Base 500

Up to 1 CFS 200

9 Add'l CFS @ 100 900

Up to 20 AF _____

_____ Add'l AF @ _____

2 Add'l ☒ POD/POA ☐ use + 400

Exam Fee Required = 1800

Exam Fee Paid 1800

Still Owed /

Name: Brook Geffen Date: 5/13/2008

Peer Reviewer: _____

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The Oregon Administrative Rules contain OARs filed through April 15, 2008

WATER RESOURCES DEPARTMENT

DIVISION 512

MALHEUR LAKE BASIN PROGRAM PROVISION

690-512-0040

Water Availability

(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 of 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 690-011-0080(2)(a)(C); or

(c) Permits for use of water legally stored.

Stat. Auth.: ORS 536.300 & ORS 536.340

Stats. Implemented:

Hist.: WRD 3-1985, f. & cert. ef. 3-28-85; WRD 23-1990, f. & cert. ef. 12-14-90; Administrative Renumbering 1-1993, Renumbered from 690-080-0120

The official copy of an Oregon Administrative Rule is contained in the Administrative Order filed at the Archives Division, 800 Summer St. NE, Salem, Oregon 97310. Any discrepancies with the published version are satisfied in favor of the Administrative Order. The Oregon Administrative Rules and the Oregon Bulletin are copyrighted by the Oregon Secretary of State Terms and Conditions of Use

[Alphabetical Index by Agency Name](#)

[Numerical Index by OAR Chapter Number](#)

[Search the Text of the OARs](#)

Point of Diversion Characteristics

Right:	App:G 16983 *
Name:	ANDY ROOT

TRSQQ: 25.00S-30.00E-32-NESE

POD(s): POD 01 - A WELL > HARNEY L
County: Harney
Basin: Malheur Lake
WM District: 10
WM Region: E
Withdrawn Area:
WAB:
Priority WAB:
Rule 4D:
Groundwater Restricted Area:
Scenic Water Way:
Division 33: STATEWIDE
Water Quality Limited:

TRSQQ: 25.00S-30.00E-33-SESW

POD(s): POD 02 - A WELL > HARNEY L
County: Harney
Basin: Malheur Lake
WM District: 10
WM Region: E
Withdrawn Area:
WAB:
Priority WAB:
Rule 4D:
Groundwater Restricted Area:
Scenic Water Way:
Division 33: STATEWIDE
Water Quality Limited:

TRSQQ: 25.00S-30.00E-34-SESW

POD(s): POD 03 - A WELL > HARNEY L
County: Harney
Basin: Malheur Lake
WM District: 10
WM Region: E
Withdrawn Area:
WAB:
Priority WAB:
Rule 4D:
Groundwater Restricted Area:

Scenic Water Way:

Division 33: STATEWIDE

Water Quality Limited:

Water Rights Platcard Report

Meridian: WILLAMETTE Township: 25 South Range: 30 East Section: 33 Records per Page: 200 Search

Water Right	Changing	Priority	Use	Use	DLC	Gov't	QQ(40)	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Unknown
App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:	App:
Select Permit: G 12841 *		7/20/1995	IRRIGATION																					
Additional Info: DENNY LAND & CATTLE CO. LLC App: G14136 Permit: G12841																								
Select App: G 16983 *		12/17/2007	IRRIGATION																					
Additional Info: ANDY ROOT App: G16983																								
Select Permit: G 16165 *		5/16/2005	IRRIGATION																					
Additional Info: App: G16165 Permit: G16165																								
Acreage Legend: 12.25 Regular acreage 12.25 Acreage is on a canceled right (12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate) (12.25) Acreage has been suspended * Acreage is not specified																								

ignore bc. final plat
map excludes this
acreage

Water Rights Platcard Report

Meridian: WILLAMETTE Township: 25 South Range: 30 East Section: 32 Records per Page: 200 Search

Water Right	Change in Use	Priority	Use	Use Status	DLC	Govt Lot	QQ(40):	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Unknown QQ
Select Permit: G 12841 *		7/20/1995	IRRIGATION				Q(160):	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
Additional Info: DENNY LAND & CATTLE CO. LLC App: G14136 Permit: G12841								34.3	21.9	24.3	33.9																	
Select App: G 16983 *		12/17/2007	IRRIGATION																									
Additional Info: ANDY ROOT App: G16983																												

Acres Legend: 12.25 Regular acreage ~~12.25~~ Acres is on a canceled right (12.25) Acres is part of a transfer and has not been proven up on yet (inchoate) [12.25] Acres has been suspended * Acres is not specified

Water Rights Platcard Report

Meridian: WILLAMETTE Township: 25 South Range: 30 East Section: 34 Records per Page: 200 Search

Water Right	Changing Xfers	Priority	Use	Use Status	CLC	Gov't Lot	QQ(40): Q(160):	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Unknown
Select Cert: 36637 OR CN Additional Info: FORREST L REED App: G1637 Permit: G1530 Cert: 36637		11/27/1959	IRRIGATION	CN				22.4	32.8															
Select Cert: 65752 RR *		11/27/1959	IRRIGATION					22.4	32.8															
Additional Info: DOUG STILLIS App: G1627 Permit: G1530 Cert: 65752																								
Select Cert: 72361 OR *		1/23/1991	IRRIGATION					10.4	32.8	32.8														
Additional Info: DOUGLAS H STILLIS App: G12396 Permit: G11242 Cert: 72361																								
Select App: G 16983 *		12/17/2007	IRRIGATION													40	35.5	39.6	40					
Additional Info: ANDY ROOT App: G16983																								
Select Permit: G 16165 *		5/16/2005	IRRIGATION								30.0	23.5	17.5	20.8		4.5	0.4							
Additional Info: App: G16460 Permit: G16165																								
Select Permit: G 16150 *		2/21/2006	IRRIGATION													0.2	28.6	23.3	33.1	34.1	37.7	35.8		
Additional Info: RATTLESNAKE CREEK LAND AND CATTLE LLC App: G16626 Permit: G16150																								

Applicant

Conflict

Acreage Legend: 12.25 Regular acreage 12.25 Acreage is on a canceled right (12.25) Acreage is part of a transfer and has not been proven up on yet (inchoate) (12.25) Acreage has been suspended * Acreage is not specified

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CHARLES C. LEATHERS, JR.
46795 SE WILDCAT MT. DR.
SANDY, OREGON 97055

PHONE: (541) 668-4359

The specific limits for the use are listed below along with conditions of use.

APPLICATION FILE NUMBER: G-14136

SOURCE OF WATER: A WELL IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION OF 393.5 ACRES

MAXIMUM RATE: 4.92 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: JULY 20, 1995

POINT OF DIVERSION LOCATION: NE 1/4 NW 1/4, SECTION 33, T25S, R30E, W.M.; 1317 FEET SOUTH AND 1353 FEET EAST FROM THE NW 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:

NW 1/4 SW 1/4	27.4 ACRES
SW 1/4 SW 1/4	37.3 ACRES
SE 1/4 SW 1/4	0.4 ACRE
SECTION 28	
NE 1/4 SE 1/4	33.0 ACRES
NW 1/4 SE 1/4	3.2 ACRES
SW 1/4 SE 1/4	6.8 ACRES
SE 1/4 SE 1/4	39.1 ACRES
SECTION 29	
NE 1/4 NE 1/4	34.3 ACRES
NW 1/4 NE 1/4	21.9 ACRES
SW 1/4 NE 1/4	24.3 ACRES
SE 1/4 NE 1/4	33.9 ACRES
SECTION 32	

Application G-14136 Water Resources Department

PERMIT G-12841

NE 1/4 NW 1/4	29.2 ACRES
NW 1/4 NW 1/4	35.5 ACRES
SW 1/4 NW 1/4	33.4 ACRES
SE 1/4 NW 1/4	33.4 ACRES
NE 1/4 SW 1/4	0.2 ACRE
NW 1/4 SW 1/4	0.2 ACRE

SECTION 33

TOWNSHIP 25 SOUTH, RANGE 30 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.

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.

*Conflict but
ignore. final
pref map excludes
this acreage*

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.

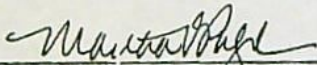
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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 permit issuance, and shall be completed on or before October 1, 1998. Complete application of the water to the use shall be made on or before October 1, 1999.

Issued October 10, 1996


Martha O. Page, Director
Water Resources Department

"B" Ext. to: 10-1-2001

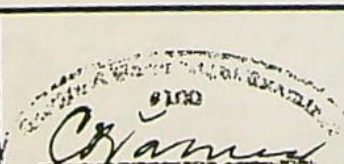

"C" Ext to: 10-1-2001

The map shows three circular well fields, each with a radius of 1317'. The fields are labeled as follows:

- Top Field (ALUM. CAP.):** Centered at the intersection of grid lines 28 and 29. It contains three points with values: 33.6, 30.8, and 33.6. A dashed line indicates a distance of 2700' from the center to the top-left point.
- Bottom-Left Field (T.L. 2500):** Centered at the intersection of grid lines 29 and 32. It contains three points with values: 31.1, 34.9, and 31.2. A dashed line indicates a distance of 3300' from the center to the top-left point.
- Bottom-Right Field (WELL):** Centered at the intersection of grid lines 29 and 33. It contains three points with values: 32.9, 30.0, and 30.1. A dashed line indicates a distance of 3700' from the center to the top-left point.

The map also includes a scale bar indicating 1355' and a grid with coordinates 28, 29, 32, and 33.

REF: 100

 RENEW 1-1-2003	<h1>FINAL PROOF SURVEY</h1>		IN THE NAME OF DENNY LAND & CATTLE CO, LLC
	UNDER APPLICATION NO. G-14136 PERMIT NO. G-12841		
	Scale: 4" = 1 MILE	Date: JUNE 2001	Job: 1990
	Dsn:	M.A. PALMER & SONS, INC. ENGINEERING & SURVEYING 711 Ponderosa Village • Box 61 Burns, Oregon 97720	
Dm: CHRIS			Sht. No.
Ckd:			of 1

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

RATTLESNAKE LAND AND CATTLE CO. LLC
PO BOX 946
BURNS, OR 97720

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

APPLICATION FILE NUMBER: G-16626

SOURCE OF WATER: A WELL IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 273.8 ACRES

MAXIMUM RATE: 3.42 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: FEBRUARY 21, 2006

WELL LOCATION: SE $\frac{1}{4}$ SW $\frac{1}{4}$, SECTION 34, T25S, R30E, W.M.; 2090 FEET SOUTH & 762 FEET WEST FROM C1/4 CORNER, SECTION 34

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 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 $\frac{1}{4}$ SW $\frac{1}{4}$ 0.2 ACRES
SW $\frac{1}{4}$ SW $\frac{1}{4}$ 28.6 ACRES
SE $\frac{1}{4}$ SW $\frac{1}{4}$ 23.3 ACRES
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 33.1 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 34.1 ACRES
SW $\frac{1}{4}$ SE $\frac{1}{4}$ 37.7 ACRES
SE $\frac{1}{4}$ SE $\frac{1}{4}$ 35.8 ACRES

SECTION 34

TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

} conflict

THE PLACE OF USE IS LOCATED AS FOLLOWS (CONTINUED) :

LOT 1	NE ¼ NE ¼	34.2 ACRES
LOT 2	NW ¼ NE ¼	4.9 ACRES
	SW ¼ NE ¼	0.1 ACRE
	SE ¼ NE ¼	7.0 ACRES
LOT 3	NE ¼ NW ¼	15.8 ACRES
LOT 4	NW ¼ NW ¼	19.0 ACRES
SECTION 3		
TOWNSHIP 26 SOUTH, RANGE 30 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 well shall produce ground water only from basalt and volcanic sediments.

To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to make and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

Before Use of Water Takes Place

Initial and Annual Measurements

The Department requires the permittee to submit an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

After Use of Water has Begun**Seven Consecutive Annual Measurements**

Following the first year of water use, the user shall submit seven consecutive annual reports of static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require that the user obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- A. Identify each well with its associated measurement; and
- B. Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method used to obtain each well measurement; and
- D. Certify the accuracy of all measurements and calculations submitted to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water level measurements reveal an average water level decline of three or more feet per year for five consecutive years; or
- B. Annual water level measurements reveal a water level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water level measurements reveal a water level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non or restricted use shall continue until the water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights.

The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

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

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

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.

Completion of construction and complete application of the water to the use shall be made on or before October 1, 2011. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

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

Issued January 11, 2007

E. Timothy Wall *for*

Phillip C. Ward, Director
Water Resources Department

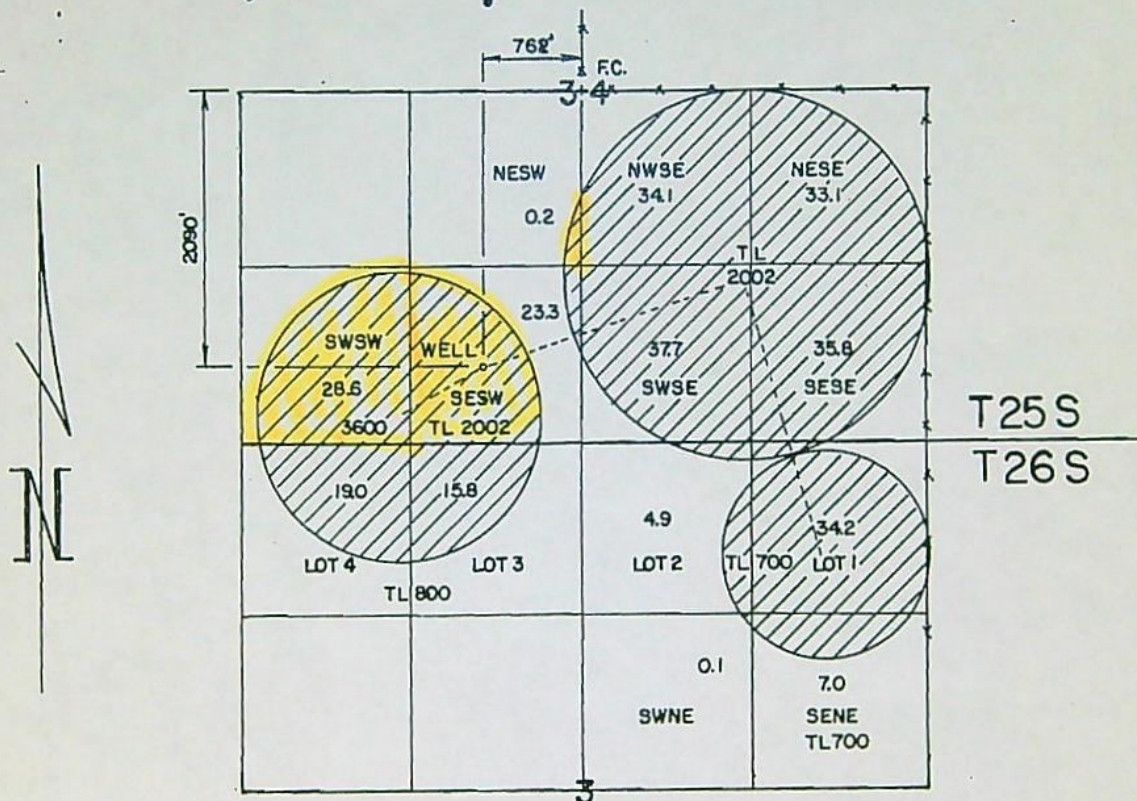


RECEIVED

FEB 13 2006



WATER RESOURCES DEPT
SALEM, OREGON

T25 S,
T26 S, R 30 E, WM



THE PURPOSE OF THIS MAP IS TO
IDENTIFY THE LOCATION OF THE
WATER RIGHT. IT IS NOT INTENDED
TO PROVIDE INFORMATION RELATIVE
TO THE LOCATION OF PROPERTY
OWNERSHIP.

2ppno G-16626

 Chris T. Palmer Nov. 19, 1987 RENEW 1-1-2007	RATTLESNAKE CREEK LAND & CATTLE CO WATER RIGHT APPLICATION MAP		
	Scale: 4" = 1 MILE	Date: FEB 2006	Job: 2058-06
	Dsn:	 M.A. PALMER & SONS, INC. ENGINEERING & SURVEYING 711 Ponderosa Village • Box 61 Burns, Oregon 97720	Sht. No.
	Dm: CHRIS		of 1
Ckd:			

Water Right Conditions
Tracking Slip

Groundwater/Hydrology Section

FILE ## G-16983

ROUTED TO: Water Rights

TOWNSHIP/

RANGE-SECTION: 25S/30E-32,33,34

CONDITIONS ATTACHED? [☒]yes [☐]no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: Mike Zwart

PUBLIC INTEREST REVIEW FOR GROUND WATER APPLICATIONS

TO: Water Rights Section Date May 12, 2008

FROM: Ground Water/Hydrology Section Michael Zwart
Reviewer's Name

SUBJECT: Application G- 16983 Supersedes review of N/A
Date of Review(s)

PUBLIC INTEREST PRESUMPTION; GROUNDWATER

OAR 690-310-130 (1) *The Department shall presume that a proposed groundwater use will ensure the preservation of the public welfare, safety and health as described in ORS 537.525.* Department staff review ground water applications under OAR 690-310-140 to determine whether the presumption is established. OAR 690-310-140 allows the proposed use be modified or conditioned to meet the presumption criteria. This review is based upon available information and agency policies in place at the time of evaluation.

A. GENERAL INFORMATION: Applicant's Name: Andy Root County: Harney

A1. Applicant(s) seek(s) 8.02 cfs from three well(s) in the Malheur Lake Basin,
 _____ subbasin Quad Map: Northeast & Northwest Harney Lake

A2. Proposed use: Irrigation, 630.4 acres (P) Seasonality: March 1 to October 31

A3. Well and aquifer data (attach and number logs for existing wells; mark proposed wells as such under logid):

Well	Logid	Applicant's Well #	Proposed Aquifer*	Proposed Rate(cfs)	Location (T/R-S QQ-Q)	Location, metes and bounds, e.g. 2250' N, 1200' E fr NW cor S 36
1	Proposed	1	Volcanic seds.	8.02	25S/30E-32 NE-SE	400' S, 400' W fr E ¼ cor S 32
2	Proposed	2	Volcanic seds.	8.02	25S/30E-33 SE-SW	400' N, 400' W fr S ¼ cor S 33
3	Proposed	3	Volcanic seds.	8.02	25S/30E-34 SE-SW	400' N, 400' E fr W 1/16 cor S 34
4						
5						

* Alluvium, CRB, Bedrock

Well	Well Elev ft msl	First Water ft bls	SWL ft bls	SWL Date	Well Depth (ft)	Seal Interval (ft)	Casing Intervals (ft)	Liner Intervals (ft)	Perforations Or Screens (ft)	Well Yield (gpm)	Draw Down (ft)	Test Type
1	4128	80	90±		250-400	0-30	0-120	None	None			
2	4157	80	90±		250-400	0-30	0-120	None	None			
3	4162	80	90±		250-400	0-30	0-120	None	None			

Use data from application for proposed wells.

A4. Comments: Two new wells are now in GRID (HARN 51445 & HARN 51448) for the applicant's company. It appears likely that one or both of these have been constructed for this purpose. The SWLs above are estimated based on these new well logs.

A5. ☒ Provisions of the Malheur Lake Basin rules relative to the development, classification and/or management of ground water hydraulically connected to surface water ☐ are, or ☒ are not, activated by this application. (Not all basin rules contain such provisions.)
 Comments: _____

A6. ☐ Well(s) # _____, _____, _____, _____, _____, tap(s) an aquifer limited by an administrative restriction.
 Name of administrative area: _____
 Comments: _____

C. GROUND WATER/SURFACE WATER CONSIDERATIONS, OAR 690-09-040**C1. 690-09-040 (1): Evaluation of aquifer confinement:**

Well	Aquifer or Proposed Aquifer	Confined	Unconfined
All	Late Tertiary to Quaternary basalt and volcanoclastic sedimentary rocks	<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"/>

Basis for aquifer confinement evaluation: Water levels in nearby wells are above the depth where ground water was first encountered. Regionally, this aquifer is likely unconfined and discharges to Harney or Malheur Lakes.

C2. 690-09-040 (2) (3): Evaluation of distance to, and hydraulic connection with, surface water sources. All wells located a horizontal distance less than ¼ mile from a surface water source that produce water from an unconfined aquifer shall be assumed to be hydraulically connected to the surface water source. Include in this table any streams located beyond one mile that are evaluated for PSI.

Well	SW #	Surface Water Name	GW Elev ft msl	SW Elev ft msl	Distance (ft)	Hydraulically Connected?			Potential for Subst. Interfer. Assumed?	
						YES	NO	ASSUMED	YES	NO
1	1	Harney Lake	3970±	4090±	25500	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	1	Harney Lake	3970±	4090±	24000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3	1	Harney Lake	3970±	4090±	25000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>	<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"/>

Basis for aquifer hydraulic connection evaluation: Any closer creeks are intermittent and likely only flow in very wet years. The head relationship also suggests a poor local hydraulic connection.

Water Availability Basin the well(s) are located within: No WAB data in this area.

C3a. 690-09-040 (4): Evaluation of stream impacts for each well that has been determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Limit evaluation to instream rights and minimum stream flows that are pertinent to that surface water source, and not lower SW sources to which the stream under evaluation is tributary. Compare the requested rate against the 1% of 80% natural flow for the pertinent Water Availability Basin (WAB). If Q is not distributed by well, use full rate for each well. Any checked ☒ box indicates the well is assumed to have the potential to cause PSI.

Well	SW #	Well < ¼ mile?	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
		<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"/>		<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"/>	<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"/>

C3b. **690-09-040 (4):** Evaluation of stream impacts by total appropriation for all wells determined or assumed to be hydraulically connected and less than 1 mile from a surface water source. Complete only if Q is distributed among wells. Otherwise same evaluation and limitations apply as in C3a above.

	SW #	Qw > 5 cfs?	Instream Water Right ID	Instream Water Right Q (cfs)	Qw > 1% ISWR?	80% Natural Flow (cfs)	Qw > 1% of 80% Natural Flow?	Interference @ 30 days (%)	Potential for Subst. Interfer. Assumed?
		<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"/>			<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>

Comments: This section does not apply

C4a. **690-09-040 (5):** Estimated impacts on hydraulically connected surface water sources greater than one mile as a percentage of the proposed pumping rate. Limit evaluation to the effects that will occur up to one year after pumping begins. This table encompasses the considerations required by 09-040 (5)(a), (b), (c) and (d), which are not included on this form. Use additional sheets if calculated flows from more than one WAB are required.

Non-Distributed Wells													
Well	SW#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
		%	%	%	%	%	%	%	%	%	%	%	%
Well Q as CFS													
Interference CFS													
(A) = Total Interf.													
(B) = 80 % Nat. Q													
(C) = 1 % Nat. Q													
(D) = (A) > (C)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
(E) = (A / B) x 100		%	%	%	%	%	%	%	%	%	%	%	%

(A) = total interference as CFS; (B) = WAB calculated natural flow at 80% exceed. as CFS; (C) = 1% of calculated natural flow at 80% exceed. as CFS; (D) = highlight the checkmark for each month where (A) is greater than (C); (E) = total interference divided by 80% flow as percentage.

D. WELL CONSTRUCTION, OAR 690-200

D1. Well #: _____ Logid: _____

D2. THE WELL 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) _____

D3. **THE WELL** construction deficiency:

- a. ☐ constitutes a health threat under Division 200 rules;
- b. ☐ commingles water from more than one ground water reservoir;
- c. ☐ permits the loss of artesian head;
- d. ☐ permits the de-watering of one or more ground water reservoirs;
- e. ☐ other: (specify) _____

D4. THE WELL construction deficiency is described as follows: _____

D5. THE WELL a. ☐ was, *or* ☐ was not constructed according to the standards in effect at the time of original construction or most recent modification.

b. ☐ I don't know if it met standards at the time of construction.

D6. ☐ **Route to the Enforcement Section.** I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Department and approved by the Enforcement Section and the Ground Water Section.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

D7. ☐ Well construction deficiency has been corrected by the following actions: _____

_____, 200____.

(Enforcement Section Signature)

D8. ☐ Route to Water Rights Section (attach well reconstruction logs to this page).

MEMO

May 12, 2008

☐ YES
☒ NO

The source of appropriation is within or above a Scenic Waterway

☐ YES
☒ NO

Use the Scenic Waterway condition (Condition 7J)

Per ORS 390.835, the Ground Water Section is **able** to calculate ground water interference with surface water that contributes to a Scenic Waterway. The calculated interference is distributed below.

Per ORS 390.835, the Ground Water Section is **unable** to calculate ground water interference with surface water that contributes to a scenic waterway; **therefore, the Department is unable to find that there is a preponderance of evidence that the proposed use will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway.**

Calculate the percentage of consumptive use by month and fill in the table below. If interference cannot be calculated, per criteria in 390.835, do not fill in the table but check the "unable" option above, thus informing Water Rights that the Department is unable to make a Preponderance of Evidence finding.

Exercise of this permit is calculated to reduce monthly flows in _____ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

[illegible]

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

START CARD # 197372

(1) LAND OWNER _____ Well Number _____
Name RATTLESNAKE CR. LAND & CATTLE CO
Address 524 HWY 20 N.
City HINES State OR Zip 97138

(4) PROPOSED USE

<input type="checkbox"/> Domestic	<input type="checkbox"/> Community	<input type="checkbox"/> Industrial	<input checked="" type="checkbox"/> Irrigation
<input type="checkbox"/> Thermal	<input type="checkbox"/> Injection	<input type="checkbox"/> Livestock	<input type="checkbox"/> Other _____

BORE HOLE			SEAL			Sacks or Pounds
Diameter	From	To	Material	From	To	
20"	0'	20'	BENTONITE	0	20	56
16"	20'	92'				
14"	92'	200'				

☒ Other PAVED DRY
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	72	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 _____

☐ 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"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

Yield gal/min	Drawdown	Drill stem at	Time
4000 +	10'		2 hr.

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other **RECEIVED**
Depth of strata: _____

County HARNES
Tax Lot 3600 Lot _____
Township 25 N of S Range 30 (E or W WM
Section 33 SW 1/4 SE 1/4

Street Address of Well (or nearest address) WEAVER SPRINGS RD
END OF PAVEMENT

(10) STATIC WATER LEVEL
86 ft. below land surface. Date 5-02-08
 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found 107

From	To	Estimated Flow Rate	SWL
107	182	4600 +	86'

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
TOP SOIL	0	3	
BROWN CLAY	3	12	
SOFT BLACK LAVA	12	46	
SOFT RED LAVA	46	107	
FRACT. BRN. BASALT	107	148	86
FRACT. YELLOW SANDSTONE	148	164	86
" BROWN SANDSTONE	164	182	86
BROWN SANDSTONE	182	200	

Date Started 4-24-08 Completed 5-01-08

(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.

WWC Number 1739 Date 5-02-08

Signed Cherry Hill

(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.

WWC Number 1355 Date 5-02-08

Signed Arthur L. In

~~MAY 07 2008~~

ORIGINAL - WATER RESOURCES DEPARTMENT

FIRST COPY - CONSTRUCTOR

SECOND COPY - CUSTOMER

06/16/2004

WATER RESOURCES DEPT
SALEM OREGON

HARN 51445

STATE OF OREGON

WATER SUPPLY WELL REPORT

(as required by ORS 537.765 & OAR 690-205-0210)

WELL LABEL # L

START CARD # 189552

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

(1) LAND OWNER Owner Well I.D. _____
 First Name _____ Last Name _____
 Company Rattle Snake Creek Land & Cattle Co
 Address 524 Hwy 20
 City Albion State OR Zip 97338

(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 ☐ Injection
☐ Thermal ☐ Other _____

(5) BORE HOLE CONSTRUCTION Special Standard: ☐ Yes (attach copy)
 Depth of Completed Well 280 ft.

BORE HOLE			SEAL			Amount	Scks/lbs
Dia	From	To	Material	From	To		
20"	C	35	Cement	C	35	2'	
14"	35	280					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____

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	Steel	Plastic	Welded	Thrd
X		14"	+	59	60	.250	X		X	

Shoe ☐ Inside ☐ Outside ☐ Other Location of shoe(s) _____
 Temporary casing ☐ Yes Diameter _____ From _____ To _____

(7) PERFORATIONS/SCREENS
 Perforations Method _____
 Screens Type _____ Material _____

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

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian
 Yield gal/min 1000 Drawdown 120' Drill stem/Pump depth _____ Duration (hr) 4 hr

Temperature 50 °F Lab analysis ☐ Yes By _____
 Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
 County Harnett Twp 25 N or S Range 30 E or W W.M.
 Sec 33 NE 1/4 of the NE 1/4 Tax Lot 3700
 Tax Map Number _____ Lot _____
 Lat _____ " or _____ DMS or DD
 Long _____ " or _____ DMS or DD
 Street Address of Well (or nearest address) N 0 A 11455
45519th

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well/Predeepening	<u>2-10-08</u>			<u>92</u>
Completed Well				

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes
 WATER BEARING ZONES Depth water was first found _____

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
<u>2-10-8</u>	<u>140</u>	<u>190</u>	<u>1000</u>			<u>92</u>

(11) WELL LOG Ground Elevation _____

Material	From	To
Top Soil	0	2
Sand gravel	2	23
Black sand stone	23	90
Blum clay	90	140
Pumice & clay	140	190
Tan clay	190	275
Sand gravel	275	280

RECEIVED

APR 28 2008

WATER RESOURCES DEPT
 SALEM, OREGON

Date Started 1-27-08 Completed 2-10-08

(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 1654 Date 4-23-08

Signed _____

Contact Info. (optional)



Hydrograph for State Well HARN 1095, State Observation Well # 177

Well Location	25.00S30.00E34ABX
Oregon Water Resources Department Well Log ID	HARN 1095
Oregon Water Resources Department State Observation Well Number	177
Well depth, in feet below land surface	97
Land surface elevation, in feet above mean sea level	
Primary use of well	ABANDONED

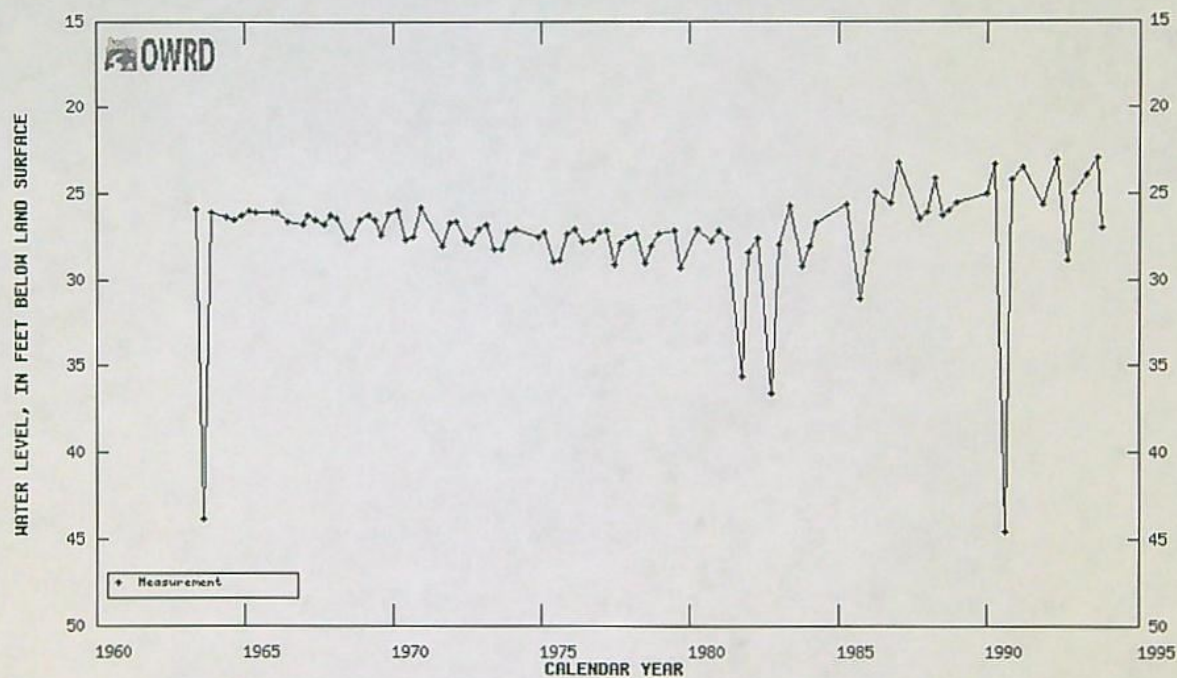


Table showing water-level data for State Well HARN 1095, State Observation Well # 177

NO. 10000 SERIES (FOR COASTAL)

10' 325 2360000 FEET 327 119° 07' 30" 40° 22' 30"

30 29 28

4804

4803

620000 FEET

33

G-14136

G-16983 #1 proposed

G-16460 HARN 5114

#1

#2

G-16983 #2 proposed

T 25 S

T 26 S

NORTH OF MALHEUR LAKE

4802

4801

4800

20'

9

8

7

6

5

4

3

2

1

REED LANDING STRIP

WELL SHED

4799

G-16983
#2
proposed



Standard Application Completeness Checklist.

Minimum Requirements (OAR 690-310-0040)(ORS 537.400)

Application G 16983 Township 25 & 26 S
Priority Date 12-17-2007 Range 30 E
Use(s) IRRIG Section 33 34
4 3
Rate 8 CFS POA Loc SEE MAP 3 WELLS
County HARNEY POU Loc SEE MAP
W.M. _____ Caseworker BRAK G

☒ Applicant/Organization Name, Mailing Address and Telephone Number.

☒ Source of water. If stored water, is the stored water component filed out, including a non-expired agreement for stored water must be included. (ORS 537.400)

☒ Property ownership indicated.

☐ If applicant does not own all the land, the affected landowner's name and mailing address must be listed.

☐ If applicant does not own all the land, a statement declaring the existence of either written authorization or an easement permitting access to land crossed by the proposed ditch canal or other work must be submitted.

☒ Groundwater development section (Page 3 and 4, Section B) or a well log report.

☒ Proposed use of water. If supplemental, list primary water right acreage if applicable.

☒ Enclosed Supplemental Form for each proposed use.

☒ Form I (Irrigation)

☐ Form M (Municipal or Quasi-Municipal)

☐ Form R (Mining)

☐ Form Q (Commercial or Industrial)

☐ Spring Description Sheet

☒ Amount of water from *each* source in gallons per minute (GPM), cubic feet per second (CFS), or acre feet (AF)

☒ Period of use

☒ Water management section (Please estimate if the water system has not been designed).

☒ Resource Protection Section (Page 6, Section 5).

☒ Project schedule (If system is already completed, indicate "existing").

☐ For reservoir applications ~~storing more than 9.2 acre feet, and a dam height of more than 10 feet,~~
preliminary plans and specifications for dam and impoundment are required.

☐ If the ~~above is statement is checked,~~ the map must be prepared by a CWRE.

☒ All applicants (or the authorized agent with title or authority if for an organization or corporation), must sign the application in ink. *Signature must be an original "wet" signature.*

☒ You must include a Legal description of the property involved that includes a metes and bounds, or other government survey description. A copy of the deed, land sales contract or title insurance policy can provide this information, or you may submit a lot book report prepared by a title company. The Department will not accept a copy of the tax bill. *Calling for Legal Desc.*

RECD 12-26-2007

☒ A completed Land-Use Form or receipt signed and dated by the appropriate planning department officials. *Date of signature must be within the past 12 months. Signature must be an original "wet" signature.*

☒ The map must meet all the minimum requirements of OAR 690-310-0050.

☒ Township, Range, Section

☒ Location of main canals, ditches, pipelines or flumes

☒ Place of use, 1/4, 1/4's and tax lot clearly identified

☒ Even map scale not less than 4" = 1 mile (example: 1" = 100 ft, 1" = 200 ft, etc.)

☒ Location of each diversion point well or dam by reference to a recognized public land survey corner

☒ North Directional Symbol

☒ Number of acres per 1/4, 1/4, if irrigation, nursery, or agriculture

☐ Other _____

☒ Reference corner on map

☒ Each point of diversion coordinate

☒ Fees: Amount of water requested 8 CFS

Base Fee \$ _____

Total Exam Fee \$ 1800

1st CFS/AF _____

Total Paid \$ 2100

___ Addtn'l CFS/ AF @ _____ = _____

Amount Due \$ All Fees Paid

___ Addtn' POD @ _____ = _____

Reviewed by: Z/TM

Date: 12-17-2007

Oregon Water Resources Department
Water Rights Division

Water Rights Application
Number G-16983

Proposed Final Order

Summary of Recommendation: The Department recommends that the attached draft permit be issued with conditions.

Application History

On December 17, 2007, Andy Root submitted an application to the Department for the following water use permit:

- Amount of Water: 5.0 CUBIC FEET PER SECOND (CFS)
- Use of Water: IRRIGATION USE ON 400.0 ACRES
- Source of Water: WELL 1, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN
- Area of Proposed Use: HARNEY County within SECTIONS 32 AND 33, TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M. AND SECTION 4, TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

On June 13, 2008, the Department mailed the applicant notice of its Initial Review, determining that "The use of 5.0 CUBIC FEET PER SECOND from WELL 1 IN, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN for IRRIGATION USE ON 400.0 ACRES is allowable during the full period requested." The applicant did not notify the Department to stop processing the application within 14 days of that date.

On June 17, 2008, the Department gave public notice of the application in its weekly notice. The public notice included a request for comments, and information for interested persons about both obtaining future notices and a copy of the Proposed Final Order. No written comments were received within 30 days.

In reviewing applications, the Department may consider any relevant sources of information, including the following:

- recommendations by other state agencies
- 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 ground water 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 IRRIGATION USE.

WELL 1, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN are not within or above a State Scenic Waterway.

Ground Water Findings Under OAR 690-009

The Department determined, consistent with OAR 690-009-0040(4), that the proposed ground water use will not have the potential for substantial interference with surface water.

In making this determination, the Department considered whether:

- (a) There is a hydraulic connection from the proposed well(s) to any surface water sources.
- (b) The point of appropriation is a horizontal distance less than one-fourth mile from the surface water source;
- (c) The rate of appropriation is greater than five cubic feet per second, if the point of appropriation is a horizontal distance less than one mile from the surface water source;
- (d) The rate of appropriation is greater than one percent of the pertinent adopted minimum perennial streamflow or instream water right with a senior priority date, if one is applicable, or of the discharge that is equaled or exceeded 80 percent of time, as determined or estimated by the Department, and if the point of appropriation is a horizontal distance less than one mile from the surface water source;
- (e) The ground water appropriation, if continued for a period of 30 days, would result in stream depletion greater than 25 percent of the rate of appropriation, if the point of appropriation is a horizontal distance less than one mile from the surface water source.

According to the Department's rules, the potential for substantial interference is assumed if (a) and either (b) or (c) or (d) or (e) are met. For this application, the Department determined that there is no potential for substantial interference, because either (a) is not met, or (b), (c), (d) or (e) are not met, or both.

An assessment of ground water availability has been completed by the Department's Ground Water/Hydrology section. A copy of this assessment is

in the file. The proposed water use will, if properly conditioned, avoid injury to existing rights and the resource.

The Department finds that the amount of water requested, 5.0 CFS, is an acceptable amount.

The proposed ground water use is not within a designated critical ground water area.

Conclusions of Law

Under the provisions of ORS 537.621, the Department must presume that a proposed use will ensure the preservation of the public welfare, safety and health if the proposed use is allowed in the applicable basin program established pursuant to ORS 536.300 and 536.340 or given a preference under ORS 536.310(12), if water is available, if the proposed use will not injure other water rights and if the proposed use complies with rules of the Water Resources Commission.

The proposed use requested in this application is allowed in the Malheur Lake Basin Program, or a 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.

When issuing permits, ORS 537.628(1) authorizes the Department to include limitations and conditions which have been determined necessary to protect the public welfare, safety, and health. The attached draft permit is conditioned accordingly.

Recommendation

The Department recommends that the attached draft permit be issued with conditions.

DATED December 2, 2008

E. Timothy Wall

for Phillip C. Ward, Director
Water Resources Department

*If you have any questions,
please check the information
box on the last page for the
appropriate names and
phone numbers.*

Protests

Under the provisions of ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), you can protest this Proposed Final Order. Protests must be received in the Water Resources Department no later than **January 16, 2009**. Protests 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 protest fee of \$350 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 ORS 537.153(7) (for surface water) or ORS 537.621(8) (for ground water), persons other than the applicant who support a Proposed Final Order can request standing for purposes of participating in any contested case proceeding on the Proposed Final Order or for judicial review of a Final Order.

Requests for standing must be received in the Water Resources Department no later than **January 16, 2009**. Requests for standing must be in writing, and must include the following:

- The requester's name, mailing address and telephone number;
- If the requester is representing a group, association or other organization, the name, address and telephone number of the represented group;
- A statement that the requester supports the Proposed Final Order as issued;
- A detailed statement of how the requester would be harmed if the Proposed Final Order is modified; and
- A standing fee of \$100.00. If a hearing is scheduled, an additional fee of \$250.00 must be submitted along with a request for intervention.

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 either:

- 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 Brook Geffen. If you have any questions about any of the statements contained in this document I am most likely the best person to answer your questions. You can reach me at 503-986-0808.

If you have questions about how to file a protest or a request for standing, please refer to the respective sections in this Proposed Final Order entitled "Protests" and "Requests for Standing". If you have previously filed a protest and want to know its status, please contact Patricia McCarty at 503-986-0820.

If you have other questions about the Department or any of its programs please contact our Customer Service Group at 503-986-0801. Address all other correspondence to:

Water Rights Section, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266, Fax: 503-986-0901.

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
524 HWY 20 N
HINES, OR 97738

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

APPLICATION FILE NUMBER: G-16983

SOURCE OF WATER: WELL 1, WELL 2, AND WELL 3 IN HARNEY LAKE BASIN

PURPOSE OR USE: IRRIGATION USE ON 400.0 ACRES

MAXIMUM RATE: 5.0 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: DECEMBER 17, 2007

WELL LOCATIONS:

WELL 1: NESE, SECTION 32, T25S, R30E, W.M.; 400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32

WELL 2: SESW, SECTION 33, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33

WELL 3: SESW, SECTION 34, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET EAST FROM SW CORNER, SESW, SECTION 34

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 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 ¼ SE ¼ 40.0 ACRES
NW ¼ SE ¼ 40.0 ACRES
SW ¼ SE ¼ 40.0 ACRES
SE ¼ SE ¼ 40.0 ACRES
SECTION 32

NE ¼ SW ¼ 40.0 ACRES
NW ¼ SW ¼ 40.0 ACRES
SW ¼ SW ¼ 40.0 ACRES
SE ¼ SW ¼ 40.0 ACRES

SECTION 33

TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

GOV'T LOT 3 (4) 40.0 ACRES
GOV'T LOT 4 (4) 40.0 ACRES

SECTION 4

TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, 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.
- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID). A tag showing the Well ID shall be permanently attached to the well. If a well does not have a Well ID, the permittee shall apply for one from the Department and attach it to the well within 60 days of the date the permit is issued. The Well ID shall be used as

a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.

STANDARD CONDITIONS

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.

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

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

The well(s) 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.

If the riparian area is disturbed in the process of developing a point of diversion, the permittee shall be responsible for restoration and enhancement of such riparian area in accordance with ODFW's Fish and Wildlife Habitat Mitigation Policy OAR 635-415. For purposes of mitigation, the ODFW Fish and Wildlife Habitat Mitigation Goals and Standards, OAR Chapter 635, Division 415, Section 030 adopted November 13, 1991 shall be followed.

The use may be restricted if the quality of downstream waters decreases to the point that those waters no longer meet existing state or federal water quality standards due to reduced flows.

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

Prior to receiving a certificate of water right, the permit holder shall submit to the Water Resources Department the results of a pump test

meeting the Department's standards for each point of appropriation (well), unless an exemption has been obtained in writing under OAR 690-217. The Director may require water-level or pump-test data every ten years thereafter.

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.

Completion of construction and application of the water shall be made within five years of the date of permit issuance. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued _____, 2008

DRAFT - THIS IS NOT A PERMIT

for Phillip C. Ward, Director
Water Resources Department

T 25 S,
T 26 S, R 30 E, WM

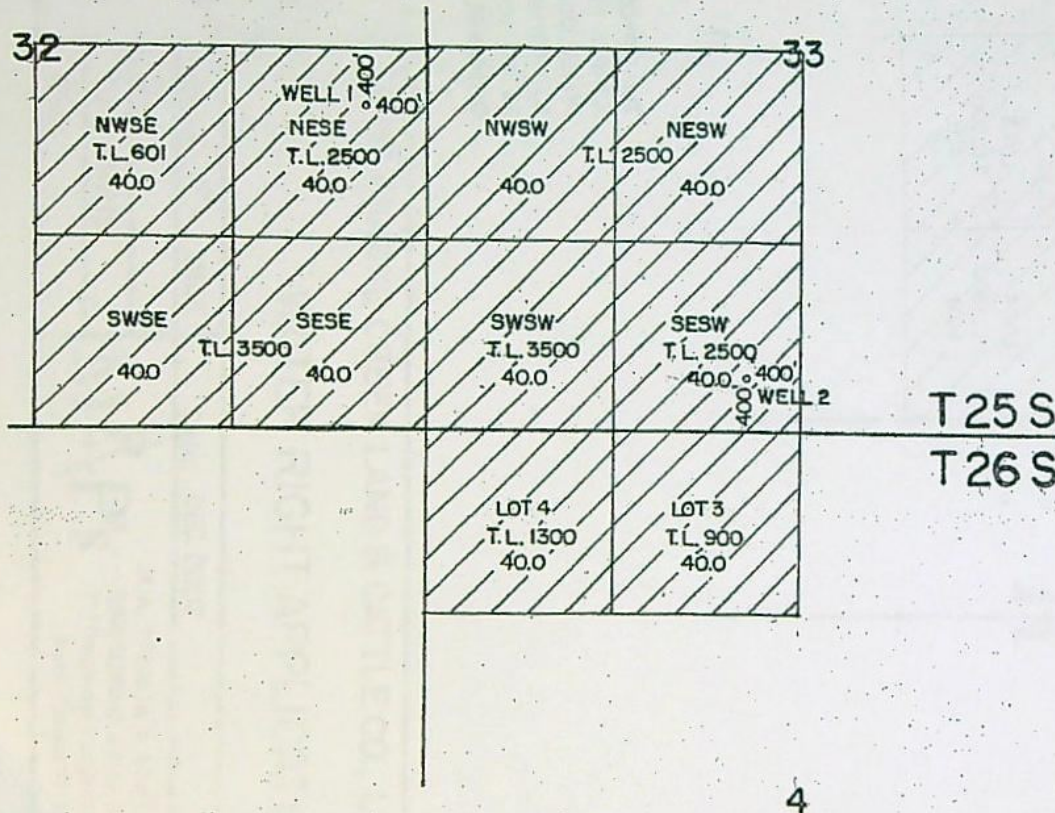
RECEIVED

JUN 02 2008

WATER RESOURCES DEPT
SALEM, OREGON

See "superceded"
map for well 3
& associated
coordinates, dated
12/17/07 by

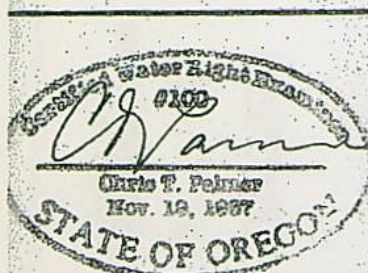
corrected
5-30-08
B.H. Bca



RECEIVED

DEC 17 2007

WATER RESOURCES DEPT
SALEM, OREGON



RENEW 1-1-2009

RATTLESNAKE CREEK LAND & CATTLE CO., LLC

WATER RIGHT APPLICATION MAP

Scale: 4" = 1 MILE

Date: DEC. 2007

Job: 2058

Dsn:

Dm: CHRIS

Ckd:

MAP'S

M.A. PALMER & SONS, INC.
ENGINEERING & SURVEYING
711 Penderosa Village - Box 61
Burns, Oregon 97720

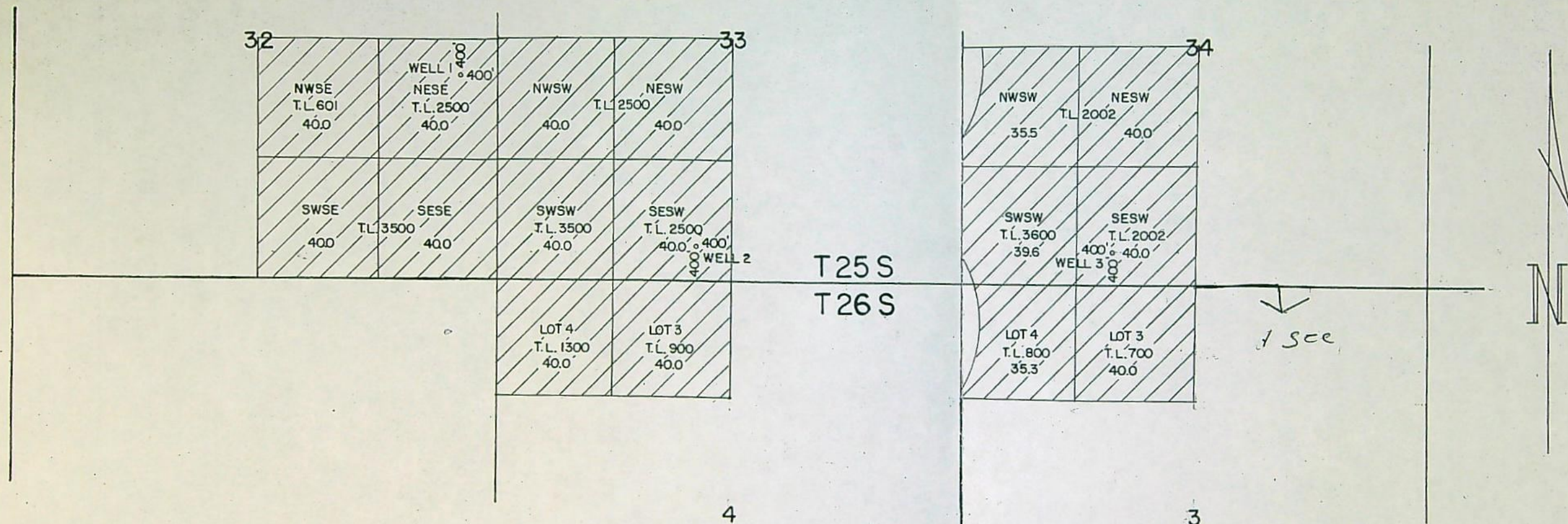
Sht. No.

of 1

G-16983

superceded

T 25 S,
T 26 S, R 30 E, WM



THE PURPOSE OF THIS MAP IS TO
IDENTIFY THE LOCATION OF THE
WATER RIGHT. IT IS NOT INTENDED
TO PROVIDE INFORMATION RELATIVE
TO THE LOCATION OF PROPERTY
OWNERSHIP.

RECEIVED

DEC 17 2007

WATER RESOURCES DEPT
SALEM, OREGON

	RATTLESNAKE CREEK LAND & CATTLE CO., LLC		
	WATER RIGHT APPLICATION MAP		
	Scale: 4" = 1 MILE	Date: DEC. 2007	Job: 2058
	Dsn:		Sht. No.
Dm: CHRIS	of 1		
Ckd:	M.A. PALMER & SONS, INC. ENGINEERING & SURVEYING 711 Ponderosa Village • Box 61 Burns, Oregon 97720		

APP NO G-16983

Mailing List for PFO Copies

Application #G-16983

PFO Date ~~November 18, 2008~~

Dec. 2,

Original mailed to applicant:

~~ANDY~~ ROOT, 524 HWY 20 N, HINES, OR 97738

Copies sent to:

- ~~1~~ WRD - File # G-16983
- ~~2~~ Water Availability: Ken Stahr

PFO and Map Copies sent to:

- ~~3~~ WRD - Watermaster # 10
- ~~4~~ Regional Manager: *ER*

Copies sent to Other Interested Persons (CWRE, Agent, Well Driller, Commenter, etc.)

- ~~5~~ Chris Palmer, CWRE #100, PO Box 61, Burns, OR 97720

"\$10 LETTER" sent to Interested Persons who have not protested or paid for copies

CASEWORKER : Geffenba

Copies Mailed
By: <i>JCB</i>
(SUPPORT STAFF)
on: <i>12/1/08</i>
(DATE)



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

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

November 10, 2008

Reference: File G-16983

Dear Mr. Root:

Upon further review of your application, the Department determined that the submitted legal description does not include all lands you intend to irrigate. OAR 690-310-0040(1)(a)(I) requires the legal description of the property on which the water is to be used as depicted on the map. A legal description is a description of a specific parcel of real estate which often uses one of the following methods; government survey metes and bounds, aliquot parts, subdivision block and lot numbers, or a combination of these. It is often found on a deed, land sales contract, or title insurance policy.

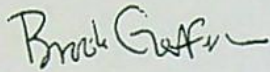
The legal description submitted with your application includes Township 25 South, Range 30 East, Section 32: NE1/4, NE1/4 NW1/4, S1/2 S1/2, NE1/4 SE1/4. However, the map submitted with your application shows that you intend to irrigate within Township 25 South, Range 30 East, Section 32: NW1/4 ~~SE~~1/4. Before a favorable Proposed Final Order can be issued, a legal description containing Township 25 South, Range 30 East, Section 32 NW1/4 ~~SE~~1/4.

Please submit this information no later than **December 10, 2008**. If you are unable to submit the above listed information, you may request an administrative hold for up to an additional 180 days. You must submit the request in writing, stating how much more time you will need and why you need additional time. If an administrative hold is granted, your application will not be processed further until the requested information is received or the extended deadline has passed.

See deed
submitted
11/20/08

Should you have any questions regarding your application or the required materials listed above, or if you need to request an extension of time, please call me at 503-986-0815.

Sincerely,

A handwritten signature in black ink that reads "Brook Geffen" followed by a horizontal flourish.

Brook Geffen
Water Rights Technician

enclosures

cc: Watermaster Dist #10
File

RECEIVED

JUN 09 2008

WATER RESOURCES DEPT
SALEM, OREGON

Andy J. Root
Rattlesnake Creek Land & Cattle Co., LLC
524 N. Highway 20
Hines, OR 97738

June 5, 2008

Brook Geffen
Oregon Water Resources Department
725 Summer St. N.E., Suite A
Salem, OR 97301-4172

Re: Bill Beal

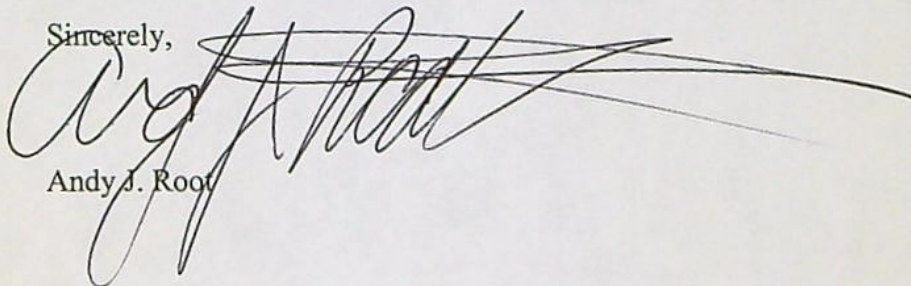
Dear Brook,

Bill Beal is authorized to make changes and submit documentation, reports and measurements on my behalf personally and on behalf of Rattlesnake Creek Land & Cattle Co., LLC, for which I am Managing General Partner. He is thoroughly acquainted with my operation and functions as my agent in water resource issues.

Thank you for your attention to this matter.

Sincerely,

Andy J. Root

A handwritten signature in black ink, appearing to read 'Andy J. Root', with a long horizontal flourish extending to the right.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

G-16983
ANDY ROOT
524 HWY 20 N
HINES OR 97738

2. Article Number

(Transfer from service label)

7006 0810 0003 8796 8117

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Jane Shelley

☐ Agent☐ Addressee

B. Received by (Printed Name)

JANE Shelley

C. Date of Delivery

6-16-08

D. Is delivery address different from item 1?

☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes



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

CERTIFIED MAIL RETURN RECEIPT REQUESTED

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

June 13, 2008

Reference: File G-16983

Dear Mr. Root:

THIS IS NOT A PERMIT AND IS SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.

This letter is to inform you of the preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The application proposed the use of 5.0 cubic feet per second (CFS) of water from Well 1 Well 2, and Well 3 in Malheur Lake Basin for irrigation use on 400.0 acres from March 1 through October 31 of each year.
2. The proposed use is not prohibited by law or rule except where otherwise noted below.
3. The use of water from Well 1, Well 2, and Well 3 in Malheur Lake Basin for irrigation use is allowable under the Malheur Lake Basin Program.
4. If properly conditioned, the proposed use of ground water will avoid injury to existing ground water rights and the resource.

The Department has determined, based upon OAR 690-09, that the proposed ground water use will not have the potential for substantial interference with any surface water source.

Summary of Initial Determinations

The use of 5.0 CFS from Well 1, Well 2, and Well 3 in Malheur Lake Basin for irrigation use on 400.0 acres is allowable during the full period requested, March 1 through October 31.

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 \$150 processing charge per application.) To accomplish this you must notify the Department in writing by **Friday, June 27, 2008**. For your convenience you may use the enclosed "STOP PROCESSING" form.

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 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.

- 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 Department requires the water user to obtain, from a qualified individual (see below), and report annual static water levels for each well on the permit. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

The permittee shall report an initial March static water-level measurement once well construction is complete and annual measurements thereafter. Annual measurements are required whether or not the well is used. The first annual measurement will establish a reference level against which future measurements will be compared. However, the Director may establish the reference level based on an analysis of other water-level data. The Director may require the user to obtain and report additional water levels each year if more data are needed to evaluate the aquifer system.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board. Measurements shall be submitted on forms provided by, or specified by, the Department. Measurements shall be made with equipment that is accurate to at least the standards specified in OAR 690-217-0045. The Department requires the individual performing the measurement to:

- A. Associate each measurement with an owner's well name or number and a Department well log ID; and
- B. Report water levels to at least the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method of measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water-level measurements reveal an average water-level decline of three or more feet per year for five consecutive years; or
- B. Annual water-level measurements reveal a water-level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water-level measurements reveal a water-level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

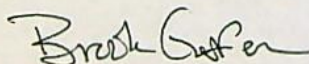
The period of restricted use shall continue until the water level rises above the decline level which triggered the action or the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or causing substantial interference with senior water rights. The water user shall not allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

The water source identified in your application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at http://www.oregon.gov/ODA/NRD/water_agplans.shtml to learn more about the plans and how they may affect your proposed water use.

If you have any questions:

Feel free to call me at 503-986-0808 if you have any questions regarding the contents of this letter or your application. Please have your application number available if you call. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0801. When corresponding by mail, please use this address: Brook Geffen, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,



Brook Geffen
Water Right Application Caseworker

enclosures: Application Process Description and Stop Processing Request Form

G-16983
WAB 12-NA
POU 12-NA
GW

APPLICATION FACT SHEET

Application File Number: G-16983

Applicant: ANDY ROOT

County: HARNEY

Watermaster: 10

Priority Date: DECEMBER 17, 2007

Source: WELL 1, WELL 2, AND WELL 3 IN MALHEUR LAKE BASIN

Use: IRRIGATION USE ON 400.0 ACRES

Quantity: 5.0 CUBIC FEET PER SECOND

Basin Name & Number: Malheur Lake, #12

Stream Index Reference: Volume 1A HARNEY L & MISC

Point of Diversion or Well Location(s):

WELL 1: NESE, SECTION 32, T25S, R30E, W.M.; 400 FEET SOUTH AND 400 FEET WEST FROM E1/4 CORNER, SECTION 32

WELL 2: SESW, SECTION 33, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET WEST FROM S1/4 CORNER, SECTION 33

WELL 3: SESW, SECTION 34, T25S, R30E, W.M.; 400 FEET NORTH AND 400 FEET EAST FROM SW CORNER, SESW, SECTION 34

Place of Use:

NE ¼	SE ¼	40.0 ACRES
NW ¼	SE ¼	40.0 ACRES
SW ¼	SE ¼	40.0 ACRES
SE ¼	SE ¼	40.0 ACRES
SECTION 32		

NE ¼	SW ¼	40.0 ACRES
NW ¼	SW ¼	40.0 ACRES
SW ¼	SW ¼	40.0 ACRES
SE ¼	SW ¼	40.0 ACRES
SECTION 33		

TOWNSHIP 25 SOUTH, RANGE 30 EAST, W.M.

GOV'T LOT 4, NW $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
GOV'T LOT 3, NE $\frac{1}{4}$ NW $\frac{1}{4}$ 40.0 ACRES
SECTION 4
TOWNSHIP 26 SOUTH, RANGE 30 EAST, W.M.

14 DAY STOP PROCESSING DEADLINE DATE: Friday, June 27, 2008

PUBLIC NOTICE DATE: Tuesday, June 17, 2008

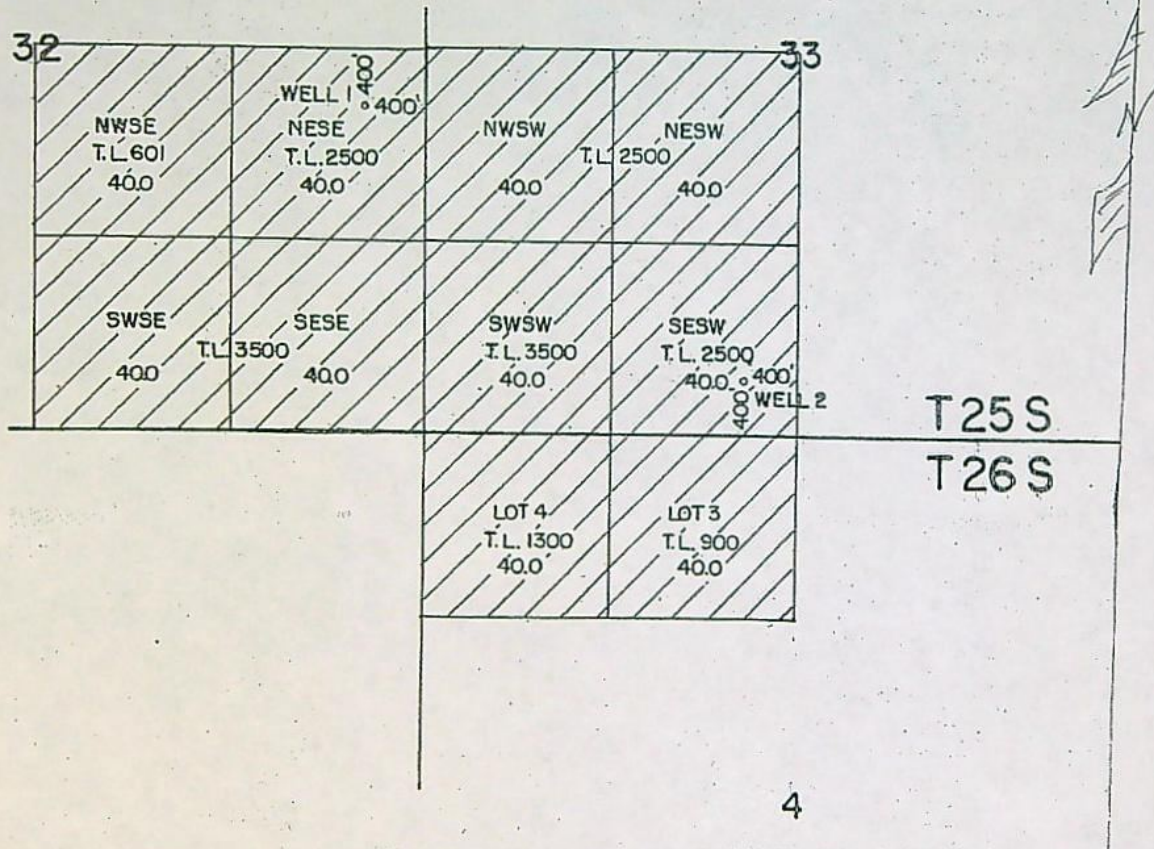
30 DAY COMMENT DEADLINE DATE: Thursday, July 10, 2008

T 25 S,
T 26 S, R 30 E, WM

RECEIVED

JUN 02 2008

WATER RESOURCES DEPT
SALEM, OREGON

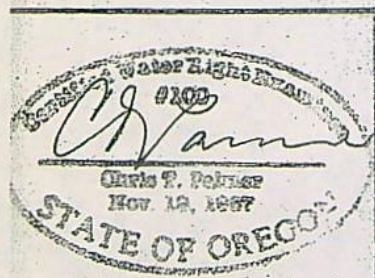


corrected
5-30-08
B.H. Beal

RECEIVED

DEC 17 2007

WATER RESOURCES DEPT
SALEM, OREGON



RENEW 1-1-2009

RATTLESNAKE CREEK LAND & CATTLE CO., LLC

WATER RIGHT APPLICATION MAP

Scale: 4" = 1 MILE	Date: DEC. 2007	Job: 2058
Dsn:		Sht. No.
Dm: CHRIS		
Ckd:		of 1

M.A. PALMER & SONS, INC.
ENGINEERING & SURVEYING
711 Penderosa Village • Box 61
Burns, Oregon 97720

G-16983

Mailing List for IR Copies

Application #G-16983

IR Date: June 13, 2008

Original mailed to applicant:

~~ANDY ROOT~~, 524 HWY 20 N, HINES, OR 97738

Copies sent to:

- ~~1~~, WRD - File # G-16983
- ~~2~~, WRD - Water Availability: Ken Stahr

IR, Map, and Fact Sheet Copies sent to:

~~3~~, WRD - Regional Manager (not SCR): ER

~~4~~, WRD - Watermaster # 10

~~5~~, Department of Agriculture

Copies sent to Other Interested Persons (*CWRE, Agent, Well Driller, Commenter, etc.*)

~~6~~, Chris Palmer, CWRE #100, PO Box 61, Burns, OR 97720

Copies Mailed
By: <u>TCB</u>
(SUPPORT STAFF)
on: <u>6/13/08</u>
(DATE)

COPYSHT.IR

Caseworker: Brook Geffen

REMINDER: Copy all IR's for uses in the Klamath Basin to DEQ and ODFW contacts, regardless of whether they are subject to Division 33. (If they are not subject to Division 33, do not include Division 33 forms.)



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

A. Individuals

Applicant: Andy Root
First Last

Mailing address: 524 Hwy 20 N.
Hines OR 97738
City State Zip

Phone: 541-493-2433 541-573-3615 cell-541-589-0107
Home Work Other

*Fax: 541-573-3419 *E-Mail address: _____

Assisted by
Evan Gall
12.13.07
Corrected by
B.V. Beal
5-30-08

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: _____

City State Zip

Phone: _____
Day Evening

*Fax: _____ *E-Mail address: _____

* Optional information

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JUN 02 2008

WATER RESOURCES DEPT
SALEM, OREGON

For Department Use

App. No. C-16983 Permit No. _____ Date _____

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SALEM OREGON

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☒ Yes (Skip to section 3 "Ground water Development.")

☐ No (Please check the appropriate box below.)

☐ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigated and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

List the names and mailing addresses of all affected landowners.

3. GROUND WATER DEVELOPMENT

A. Well Information

Number of well(s): Well #1, 2 & 3

Name of nearest surface water body: Harney Lake

Distance from well(s) to nearest stream or lake: 1) Approx 7 miles

2) _____ 3) _____ 4) _____

If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) N/A

2) _____ 3) _____ 4) _____

B. 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 section 4 of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: A licensed well driller

Address: Waiting on Tim Riley or Tom Search

Completion date: Hopefully March 1, 2008

Ground Water/2

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SALEM, OREGON

Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
1	14"	1/4 wall	120'	None	30'	14'	80'	1/2" access	250-400'
2	14"	1/4 wall	120'	None	30'	14'	80'	port for	250-400'
3	14"	1/4 wall	120'	None	30'	14'	80'	a well	250-400'
								sonder	

Note: Well numbers in this listing must correspond to well locations(s) shown on accompanying map.

If well log is not available, or well is not yet constructed, you must provide: proposed total depth, depth of casing and seal, and the anticipated perforation and open intervals.

C. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

No

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: N/A
- If your proposed use is **irrigation**, please attach **Form I**
- If your proposed use is **mining**, attach **Form R**
- If your proposed use is **municipal or quasi-municipal**, attach **Form M**
- If your proposed use is **commercial/industrial**, attach **Form Q**

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SALEM, OREGON**

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SALEM, OREGON**

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, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	Bedrock	Irrigation	3600	627 MG	3600
2	↓	↓	↓	↓	↓
	↓	↓	↓	↓	↓

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 5 cfs
(The fees for your application will be based on this amount.)

D. Period of Use

Indicate the time of year you propose to use the water: MARCH 1 → OCTOBER 31
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used: 400
(This number should be consistent with your application map.)

5. WATER MANAGEMENT**A. Diversion**

What equipment will you use to pump water from your well(s)?

- ☒ Pump (give horsepower and pump type): Turbine, unknown
☐ Other means (describe): _____

B. Transport

How will you transport water to your place of use?

- ☐ Ditch or canal (give average width and depth):
 Width _____ Depth _____
 Is the ditch or canal to be lined? ☐ Yes ☐ No
☐ Pipe (give diameter and total length):
 Diameter 10" Length 3500 ±
☐ Other (describe) _____

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C. Application/Distribution Method

What equipment will you use to apply water to your place of use? Turbin Pumps & Pivots

Irrigation or land application method (check all that apply):

- | | | |
|--|--|---|
| <input type="checkbox"/> Flood | <input type="checkbox"/> High-pressure sprinkler | <input type="checkbox"/> Low pressure sprinkler |
| <input type="checkbox"/> Drip | <input type="checkbox"/> Water cannons | <input checked="" type="checkbox"/> Center pivot system |
| <input type="checkbox"/> Hand lines | <input type="checkbox"/> Wheel lines | |
| <input type="checkbox"/> Siphon tubes or gated pipe with furrows | | |
| <input type="checkbox"/> Other, describe _____ | | |

Distribution method

- ☒ Direct pipe from source ☐ In-line storage (tank or pond) ☐ Open canal

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

20 psi Zimmatic pivots

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin: 12/1/07

Proposed date construction will be completed: 3/30/08

Proposed date beneficial water use will begin: 6/1/08

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.

I would be willing to pay a premium to get this application processed -

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SALEM, OREGON

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Ground Water/5

WATER RESOURCES DEPT
SALEM, OREGON

8. MAP REQUIREMENTS

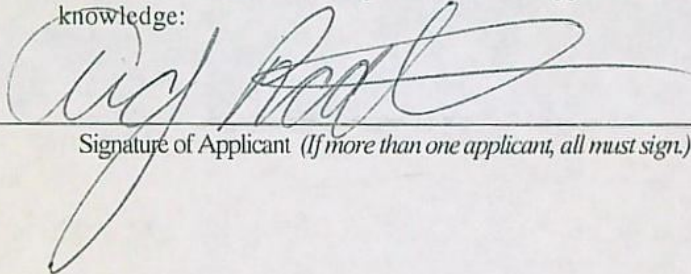
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:



Signature of Applicant (If more than one applicant, all must sign.)

12-5-07
Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

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SALEM, OREGON



Oregon Water Resources Department

WATER RESOURCES DEPT
SALEM, OREGON

FORM I

FOR IRRIGATION WATER USE

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1. Please indicate whether you are requesting a primary or supplemental irrigation water right.

☒ Primary ☐ Supplemental

If supplemental, please indicate the number of acres that will be irrigated for each type of use.

Primary: 400 Acres

Secondary: _____ Acres

List the permit or certificate number of the primary water right: No. _____

2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or partial season:

- | | | |
|-------------------|---|---|
| 1. <u>Alfalfa</u> | <input checked="" type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: <u>Mar</u> to <u>Oct</u>) |
| 2. <u>Oats</u> | <input checked="" type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |
| 3. _____ | <input type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |
| 4. _____ | <input type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |

3. Indicate the maximum total number of acre-feet you expect to use in an irrigation season:

1200 acre-feet

(1 acre-foot equals 12 inches of water spread over 1 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?

☒ Daily during daytime hours

☒ Daily during nighttime hours

☐ Two or three times weekly during daytime

☐ Two or three times weekly during nighttime

☐ Weekly, during daytime hours

☐ Weekly, during nighttime hours

☒ Other, explain: When the crop requires water

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JUN 02 2008

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 97301-1266
503-986-0900
FAX 503-986-0904

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdictions where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan.

Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan.

Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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**WATER RESOURCES DEPT
SALEM, OREGON**



Oregon Water Resources Department Land Use Information Form

THIS FORM IS NOT REQUIRED IF: 1) water is to be diverted, conveyed, and/or used only on federal lands; or 2) the application is for a water-right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply: a) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm-use zone.

Applicant Name: ANDY ROOF
Mailing Address: 529 N HY 20
City: CHINES State: OR Zip: 97720 Day Phone: 541 573-3615

This application is related to a Measure 37 claim. ☐ Yes ☐ No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. 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.

Township	Range	Section	1/4 1/4	Tax Lot #	Plan Designation (e.g. Rural Residential/RR-5)	Water to be:	Proposed Land Use:
25S	30E	32	SE	601, 2500, 3500	EFRU 1	<input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	FARM
↓	↓	33	SW	2500, 3500	↓	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	↓
↓	↓	34	SW	2002, 3600	↓	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	↓
26S	30E	3	NW	700, 800	↓	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	↓
26S	30E	4	NW	900, 1300	↓		

List all counties and cities where water is proposed to be diverted, conveyed, or used. HARNEY

B. Description of Proposed Use

Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water-Right Transfer ☐ Exchange of Water
☐ Allocation of Conserved Water ☐ Limited Water Use License
☐ Permit Amendment or Ground Water Registration Modification

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: 1920 ☐ cubic feet per second ☐ gallons per minute ☒ acre-feet

Intended use of water: ☒ Irrigation ☐ Commercial ☐ Industrial ☐ Domestic for _____ household(s)
☐ Municipal ☐ Quasi-municipal ☐ Instream ☐ Other _____

Briefly describe: _____

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt below and include it with the application filed with the Water Resources Department.

Receipt for Request for Land Use Information

State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

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WATER RESOURCES DEPT
SALEM OREGON

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form.

This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the 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): EF2V-1.
- ☐ Land uses to be served by proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.)
If approvals have been obtained but all appeal periods have not ended, check "Being pursued".

Type of Land-Use Approval Needed (e.g. plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	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

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: Brendon McMillen Title: Planning Director
Signature: [Signature] Phone: 541-573-8655 Date: 12/13/07
Government Entity: Harney County Planning

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

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**WATER RESOURCES DEPT
SALEM OREGON**

253000 5-12-19

263000 8-14-21

INSTRUMENT # 20031522

EXHIBIT A

Legal Description

1900

2500

3600

93

PARCEL 1

700

1000

1200

2200

107

In Twp. 25 S., R. 30 E., W.M.:

Sec. 28: SW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$.Sec. 29: S $\frac{1}{2}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$.Sec. 32: NE $\frac{1}{4}$, NE $\frac{1}{4}$ NW $\frac{1}{4}$, S $\frac{1}{2}$ S $\frac{1}{2}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$.Sec. 33: W $\frac{1}{2}$, SE $\frac{1}{4}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ NE $\frac{1}{4}$.Sec. 34: A parcel of land located in the S $\frac{1}{2}$ of Sec. 34, more particularly described as follows:

Parcel No. 1 of Partition Plat No. 90-09-08, recorded September 6, 1990, Instrument No. 901262, Harney County, Plat Records.

SW $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$, EXCEPTING THEREFROM right of way over the N $\frac{1}{2}$ NW $\frac{1}{4}$ conveyed to Harney County, Oregon, by deed recorded June 18, 1962, in Book 71, Page 355, Deed Records.

In TWP. 26 S., R. 30 E., W.M.:

Sec. 3: Government Lots 1, 2, 3 and 4, S $\frac{1}{2}$ N $\frac{1}{2}$, SW $\frac{1}{4}$, W $\frac{1}{2}$ SE $\frac{1}{4}$.Sec. 4: Government Lots 1, 2, 3 and 4, S $\frac{1}{2}$ N $\frac{1}{2}$, N $\frac{1}{2}$ S $\frac{1}{2}$, S $\frac{1}{2}$ SE $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$.Sec. 5: Government Lots 1, 2 and 3, S $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$.Sec. 8: E $\frac{1}{2}$ E $\frac{1}{2}$.

Sec. 9: All.

Sec. 10: NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$.PARCEL 2

900

67

A parcel of land located in the E $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 34, SW $\frac{1}{4}$ of Sec. 35, Twp. 22 S., R. 32 E., W.M., and the W $\frac{1}{2}$ of Sec. 2, and the E $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec. 3, Twp. 23 S., R. 32 E., W.M., more particularly described, as follows:

Parcel No. 1B of Partition Plat No. 03-06-153, recorded June 19, 2003, Instrument No. 20031196, Harney County, Plat Records.

Andy's

ACW, Inc dba

Custom Work



PO Box 946
Burns OR 97720
524 HWY 20 N.
Hines, OR 97738
Office: 541-573-3615
Home 541-493-2433
Fax 541-573-3419

STOLE BY GH &
KAREL ON
WED 12-26-2007
NTM

FAX COVER SHEET

Date: 12-26-07
To: Herb Messner
From: Andy Root
Subject: LEGAL DESCRIPTION -

Number of Pages _____ Including Cover Sheet

If you do not receive any or all of the pages please call:

541-573-3615

THERE IS ONLY 1 PAGE OF
LEGALS. THE REST IS MORTGAGE
INFORMATION.



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem Oregon 97301-1271
(503) 986-0900
www.wrd.state.or.us

Application for a Permit to Use Ground Water

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply to your application, insert "n/a." Please read and refer to the instructions when completing your application. A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

Assisted by
Ivan Gall
12.13.07

1. APPLICANT INFORMATION

A. Individuals

Applicant: Andy Root
First Last
Mailing address: 524 Hwy 20 N.
Hines OR 97738
City State Zip
Phone: 541-493-2433 541-573-3615 cell-541-589-0107
Home Work Other
*Fax: 541-573-3419 *E-Mail address: BOSS.

B. Organizations

(Corporations, associations, firms, partnerships, joint stock companies)

Name of organization: _____
Name and title of person applying: _____
Mailing address of organization: _____

City
Phone: _____
Day
*Fax: _____ *E-Mail: _____

* Optional information

App. No. <u>G-16983</u>	For Department Permit No. _____
-------------------------	---------------------------------

Last updated: 6/7/2005

Ground

Superseded
6/2/08

2. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

☒ Yes (Skip to section 3 "Ground water Development.")

☐ No (Please check the appropriate box below.)

☐ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigated and/or domestic use only (ORS 274.040).

You must provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.

List the names and mailing addresses of all affected landowners.

3. GROUND WATER DEVELOPMENT

A. Well Information

Number of well(s): Well #1, 2 & 3

Name of nearest surface water body: Harney Lake

Distance from well(s) to nearest stream or lake: 1) Approx 7 miles

2) _____ 3) _____ 4) _____

If distance from surface water is less than one mile, indicate elevation difference between nearest surface water and well head. 1) N/A

2) _____ 3) _____ 4) _____

B. 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 section 4 of the form. If the well has not been constructed, or if you do not have a well log, please complete the following:

Well(s) will be constructed by: A licensed well driller

Address: Waiting on Tim Riley or Tom Search

Completion date: Hopefully March 1, 2008

Ground Water/2

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WATER RESOURCES DEPT
SALEM, OREGON

Please provide a description of your well development. (Attach additional sheets if needed.)

Well No.	Diameter	Type and size of casing	No. of feet of casing	Intervals casing is perforated (in feet)	Seal depth	Est. depth to water	Est. depth to water bearing stratum	Type of access port or measuring device	Total well depth
1	14"	1/4 wall	120'	None	30'	14'	80'	1/2" access	250-400'
2	14"	1/4 wall	120'	None	30'	14'	80'	part for	250-400'
3	14"	1/4 wall	120'	None	30'	14'	80'	a well	250-400'
								sounder	

Note: Well numbers in this listing must correspond to well locations(s) shown on accompanying map.

If well log is not available, or well is not yet constructed, you must provide: proposed total depth, depth of casing and seal, and the anticipated perforation and open intervals.

C. Artesian Flows

If your water well is flowing artesian, describe your water control and conservation works:

No

4. WATER USE

Please read the instruction booklet for more details on "type of use" definitions, how to express how much water you need and how to identify the water source you propose to use. You must fill out a supplemental form for some uses as they require specific information for that type of use.

A. Type(s) of Use(s)

See list of beneficial uses provided in the instructions.

- If your proposed use is **domestic**, indicate the number of households to be supplied with water: N/A
- If your proposed use is **irrigation**, please attach **Form I**
- If your proposed use is **mining**, attach **Form R**
- If your proposed use is **municipal or quasi-municipal**, attach **Form M**
- If your proposed use is **commercial/industrial**, attach **Form Q**

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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, for each use. You do not need to provide source information if you are submitting a well log with your application.

Well No.	Source or aquifer	Type of use	Total rate of water requested (in gpm)	Total annual quantity (in gallons)	Production rate of well (in gpm)
1	Bedrock	Irrigation	3600	627 MG	3600
2	↓	↓	↓	↓	↓
3	↓	↓	↓	↓	↓

C. Maximum Rate of Use Requested

What is the maximum, instantaneous rate of water that will be used? 3600 GPM
(The fees for your application will be based on this amount.)

D. Period of Use

Indicate the time of year you propose to use the water: MARCH 1 → OCTOBER 31
(For seasonal uses like irrigation give dates when water use would begin and end, e.g. March 1–October 31.)

E. Acreage

If you will be applying water to land, please give the total number of acres where water will be applied or used: 630.4
(This number should be consistent with your application map.)

5. WATER MANAGEMENT**A. Diversion**

What equipment will you use to pump water from your well(s)?

- ☒ Pump (give horsepower and pump type): Turbine, unknown
☐ Other means (describe): _____

B. Transport

How will you transport water to your place of use?

- ☐ Ditch or canal (give average width and depth):
 Width _____ Depth _____
 Is the ditch or canal to be lined? ☐ Yes ☐ No
☐ Pipe (give diameter and total length):
 Diameter _____ Length _____
☐ Other (describe) _____

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C. Application/Distribution Method

What equipment will you use to apply water to your place of use? _____

Irrigation or land application method (check all that apply):

- | | | |
|--|--|---|
| <input type="checkbox"/> Flood | <input type="checkbox"/> High-pressure sprinkler | <input type="checkbox"/> Low pressure sprinkler |
| <input type="checkbox"/> Drip | <input type="checkbox"/> Water cannons | <input checked="" type="checkbox"/> Center pivot system |
| <input type="checkbox"/> Hand lines | <input type="checkbox"/> Wheel lines | |
| <input type="checkbox"/> Siphon tubes or gated pipe with furrows | | |
| <input type="checkbox"/> Other, describe _____ | | |

Distribution method

- ☒ Direct pipe from source ☐ In-line storage (tank or pond) ☐ Open canal

D. Conservation

What methods will you use to conserve water? Why did you choose this distribution or application method? For example, if you are using sprinkler irrigation rather than drip irrigation, explain. If you need additional space, attach a separate sheet.

20 psi Zimmatic pivots

6. PROJECT SCHEDULE

Indicate the anticipated dates that the following construction tasks should begin. If construction has already begun, or is completed, please indicate that date.

Proposed date construction will begin: 12/1/07

Proposed date construction will be completed: 3/30/08

Proposed date beneficial water use will begin: 6/1/08

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.

I would be willing to pay a premium to get this application processed -

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8. MAP REQUIREMENTS

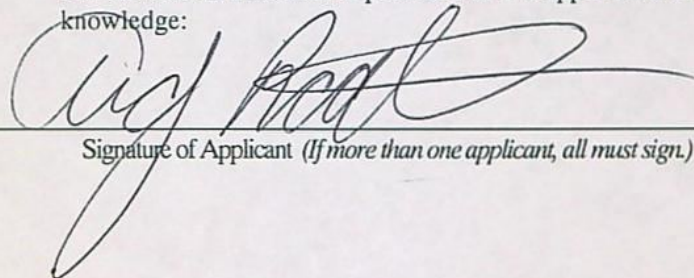
The Department cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the township, range, section, and quarter/quarter section of the proposed well location and place of use. The map must provide tax lot numbers. See the map guidelines sheet for detailed map specifications.

9. SIGNATURE

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be canceled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit to me, I may have to stop using water to allow senior water right holders to get water they are entitled to, and

I swear that all information provided in this application is true and correct to the best of my knowledge:



Signature of Applicant (If more than one applicant, all must sign.)

12-5-07
Date

Before you submit your application be sure you have:

- Answered each question completely.
- Attached a legible map which includes township, range, section, quarter/quarter and tax lot number.
- Included a Land Use Information Form or receipt stub signed by a local official.
- Included the legal description of all the property involved with this application. You may supply a copy of the deed, land sales contract, or title insurance policy, to meet this requirement.
- Included a check payable to the Oregon Water Resources Department for the appropriate amount. The Department's fee schedule can be found at www.wrd.state.or.us or call (503) 986-0900.

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Oregon Water Resources Department

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FORM I

FOR IRRIGATION WATER USE

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1. Please indicate whether you are requesting a primary or supplemental irrigation water right.

☒ Primary ☐ Supplemental

If supplemental, please indicate the number of acres that will be irrigated for each type of use.

Primary: 630.4 Acres

Secondary: _____ Acres

List the permit or certificate number of the primary water right: No. _____

2. Please list the anticipated crops you will grow and whether you will be irrigating them for a full or partial season:

- | | | |
|-------------------|---|--|
| 1. <u>Alfalfa</u> | <input checked="" type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |
| 2. <u>Oats</u> | <input checked="" type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |
| 3. _____ | <input type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |
| 4. _____ | <input type="checkbox"/> Full season | <input type="checkbox"/> Partial season (from: _____ to _____) |

3. Indicate the maximum total number of acre-feet you expect to use in an irrigation season:

3 acre feet acre-feet

(1 acre-foot equals 12 inches of water spread over 1 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?

- | | |
|---|---|
| <input checked="" type="checkbox"/> Daily during daytime hours | <input checked="" type="checkbox"/> Daily during nighttime hours |
| <input type="checkbox"/> Two or three times weekly during daytime | <input type="checkbox"/> Two or three times weekly during nighttime |
| <input type="checkbox"/> Weekly, during daytime hours | <input type="checkbox"/> Weekly, during nighttime hours |
| <input type="checkbox"/> Other, explain: _____ | |

20041930

STATUTORY WARRANTY DEED

CHARLES C. LEATHERS, JR. and DRENDA A. LEATHERS, Grantor(s) hereby warrant and convey to: RATTLESNAKE CREEK LAND & CATTLE CO., LLC, Grantee(s) the following described real property in the County of HARNEY and State of Oregon, free of encumbrances except as specifically set forth herein:

Land in Harney County, Oregon, as follows:

In Twp. 25 S., R. 30 E., W.M.:

Sec. 32: SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$.

Sec. 33: NE $\frac{1}{4}$ NE $\frac{1}{4}$.

NWSE = TL 601

TL 2500

The above-described property is free of encumbrances except all those items of record, if any, as of the date of this deed and those shown below, if any:

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930.

The true and actual consideration for this conveyance is \$24,000.00.

Until a change is requested, all tax statements shall be sent to Grantee at the following address: P.O. BOX 804, BURNS, OR 97720

Dated this 25TH day of OCTOBER, 2004.

CHARLES C. LEATHERS, JR.

DRENDA A. LEATHERS

State of Oregon
County of HARNEY

This instrument was acknowledged before me on OCTOBER 25, 2004 by CHARLES C. LEATHERS, JR. and DRENDA A. LEATHERS.

(Notary Public for Oregon)

My commission expires 4/25/2005

ESCROW NO. BU0016956

Return to:
RATTLESNAKE CREEK LAND & CATTLE CO., LLC
P.O. BOX 804
BURNS, OR 97720



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NOV 20 2008

WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON
County of Harney

I certify that the within instrument was received for record on the 27th day of October, 2004, at 10:00 A.M. and recorded My filing number 20041930

By: Maria Stumoga Deputy