FILE#: G 14888

ANDY ROOT
HC 73 174 HARNEY RD
BURNS, OR 97720

Application No. G14888
Permit No. ~~G-13730~~ ~~G-17575~~ G-18091
Certificate No. 95197

Stream Index, Page No. .....

FEES PAID

Date	Amount	Receipt No.
12-22-98	550.00	26815
3-12-99	50.00	28264
8-23-99	200.00	32275
4-26-10	500.00	99792
12-5-11	150.00	104604
	Cert. Fee	
10-15-18	200.00	128205
Date	Amount	Check No.

Date filed .....
Priority .....
Action suspended until C-18 .....
Return to applicant .....
Date of approval .....

CONSTRUCTION

Date for beginning 7/30/50 .....
Date for completion .....
Extended to .....
Date for application of water 10/1/03 .....
Extended to 10-1 2011, 10/1/2018 .....

PROSECUTION OF WORK

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

FINAL PROOF

Blank mailed .....
Proof received 10-15-18 .....
Date certificate issued 10/2/2020 .....

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

Fees Paid Cont.
3-26-13 $500.00 108379

T-11803 Δ POA, APOA v. 98 p. 368-371
T-12267 Δ POU, POA, APOA v. 109 pg. 546-551 - permit G-18091

G 13730

COBU MAP # 1152

SP*70900-119

Mailing List for Final Certificate

Copies Mailed

by: TM
(STAFF)

on: 10/2/2020
(DATE)

Application: G-14888

Permit: G-18091

Certificate: **95197**

Permit/Certificate Holder:

ANDY ROOT
524 HWY 20 N
HINES OR 97738

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

Copies of Final Certificate to be sent to:

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

Other persons to receive copies: (include map):

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

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

Oregon
Kate Brown, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Ste A
Salem, OR 97301
Phone: 503-986-0900
Fax: 503-986-0904
www.Oregon.gov/OWRD

DATE MAILED: OCT 0 2 2020

NOTICE OF CERTIFICATE ISSUANCE

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

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

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

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

If you have any questions please contact Gerry Clark at 503-986-0811.

STATE OF OREGON

COUNTY OF HARNEY

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

confirms the right to the use of water perfected under the terms of Permit G-18091. 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-14888

SOURCE OF WATER: THIRTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE or USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS) IN ANY COMBINATION BETWEEN THE WELLS; FURTHER LIMITED TO 1.49 CFS FROM WELL 1, 0.75 CFS FROM WELL 2, 1.35 CFS FROM WELL 3, 1.67 CFS FROM WELL 4, 1.09 CFS FROM WELL 5, 1.02 CFS FROM WELL 6, 0.34 CFS FROM WELL 6A, 1.03 CFS FROM WELL 7, 2.06 CFS FROM WELL 8, 1.01 CFS FROM WELL 9, 2.04 CFS FROM WELL 10, 1.71 CFS FROM WELL 18 AND 3.13 CFS FROM WELL 22

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998 FOR 3.0 CFS AND MARCH 12, 1999 FOR 0.08 CFS

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1 (ORIGINAL) - 25 FEET SOUTH AND 660 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2 (ORIGINAL) - 110 FEET SOUTH AND 665 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3 (ORIGINAL) - 1365 FEET NORTH AND 1365 FEET WEST FROM SE CORNER, SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4 (ORIGINAL) - 2710 FEET SOUTH AND 830 FEET WEST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5 (ORIGINAL) - 5 FEET NORTH AND 830 FEET WEST FROM E1/4 CORNER, SECTION 34

NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

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

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6 (ORIGINAL) - 1320 FEET SOUTH AND 1320 FEET EAST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A (ADDITIONAL) - 1300 FEET SOUTH AND 1300 FEET EAST FROM N1/4 CORNER, SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7 (ORIGINAL) - 25 FEET SOUTH AND 45 FEET EAST FROM NW CORNER, SECTION 33
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22 S	32.5 E	WM	34	SE SE	WELL 9 (ORIGINAL) - 1055 FEET NORTH AND 130 FEET WEST FROM SE CORNER, SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10 (ORIGINAL) - 2605 FEET SOUTH AND 750 FEET EAST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18 (ORIGINAL) - 5 FEET SOUTH AND 1320 FEET WEST FROM N1/4 CORNER, SECTION 33
22 S	32.5 E	WM	33	NE SW	WELL 22 (ADDITIONAL) - 5 FEET SOUTH AND 1500 FEET EAST FROM W1/4 CORNER, SECTION 33

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic feet per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4

The combined quantity of water diverted at the new points of appropriation (Wells 6A and 22) together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 18), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Measurement, recording and reporting conditions:

A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order at each point of appropriation, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.

B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this 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 wells shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine the water level elevation in the well at all times.

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

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

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

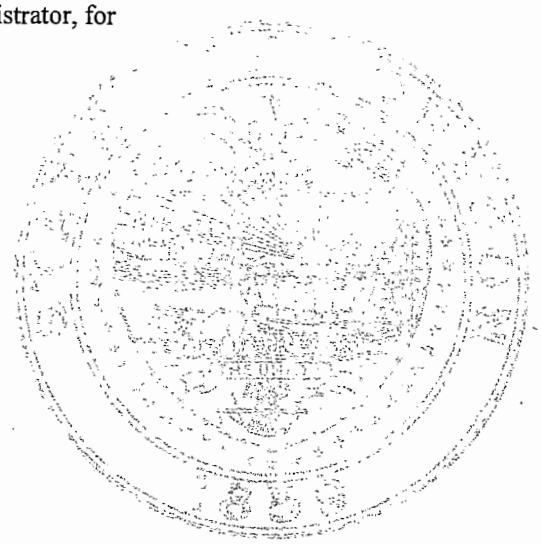
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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

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

Issued OCT 02 2020.

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



FINAL PROOF MAP

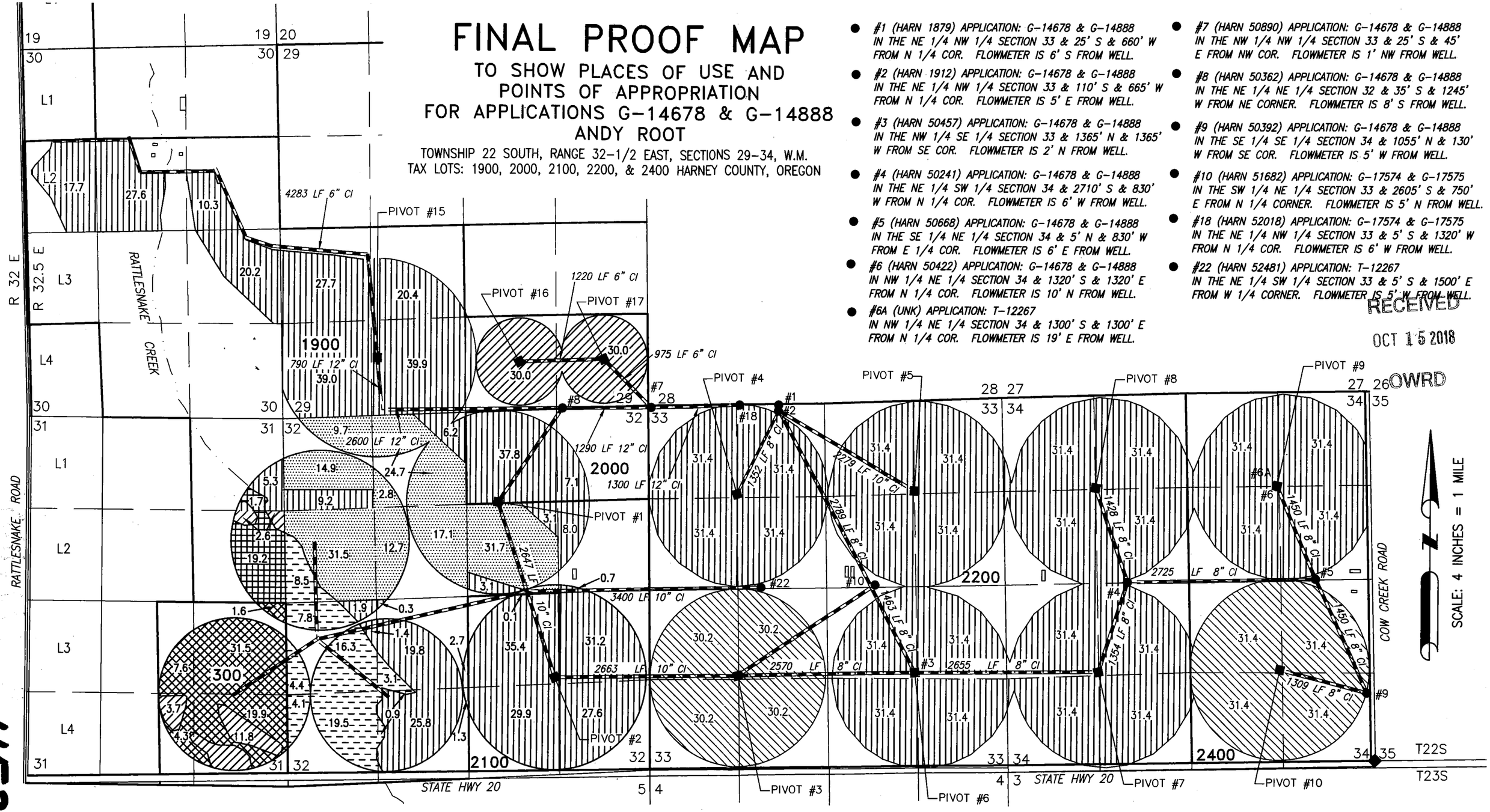
TO SHOW PLACES OF USE AND POINTS OF APPROPRIATION FOR APPLICATIONS G-14678 & G-14888

ANDY ROOT

TOWNSHIP 22 SOUTH, RANGE 32-1/2 EAST, SECTIONS 29-34, W.M.
TAX LOTS: 1900, 2000, 2100, 2200, & 2400 HARNEY COUNTY, OREGON

- *#1 (HARN 1879) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 NW 1/4 SECTION 33 & 25' S & 660' W FROM N 1/4 COR. FLOWMETER IS 6' S FROM WELL.*
- *#2 (HARN 1912) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 NW 1/4 SECTION 33 & 110' S & 665' W FROM N 1/4 COR. FLOWMETER IS 5' E FROM WELL.*
- *#3 (HARN 50457) APPLICATION: G-14678 & G-14888 IN THE NW 1/4 SE 1/4 SECTION 33 & 1365' N & 1365' W FROM SE COR. FLOWMETER IS 2' N FROM WELL.*
- *#4 (HARN 50241) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 SW 1/4 SECTION 34 & 2710' S & 830' W FROM N 1/4 COR. FLOWMETER IS 6' W FROM WELL.*
- *#5 (HARN 50668) APPLICATION: G-14678 & G-14888 IN THE SE 1/4 NE 1/4 SECTION 34 & 5' N & 830' W FROM E 1/4 COR. FLOWMETER IS 6' E FROM WELL.*
- *#6 (HARN 50422) APPLICATION: G-14678 & G-14888 IN NW 1/4 NE 1/4 SECTION 34 & 1320' S & 1320' E FROM N 1/4 COR. FLOWMETER IS 10' N FROM WELL.*
- *#6A (UNK) APPLICATION: T-12267 IN NW 1/4 NE 1/4 SECTION 34 & 1300' S & 1300' E FROM N 1/4 COR. FLOWMETER IS 19' E FROM WELL.*
- *#7 (HARN 50890) APPLICATION: G-14678 & G-14888 IN THE NW 1/4 NW 1/4 SECTION 33 & 25' S & 45' E FROM NW COR. FLOWMETER IS 1' NW FROM WELL.*
- *#8 (HARN 50362) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 NE 1/4 SECTION 32 & 35' S & 1245' W FROM NE CORNER. FLOWMETER IS 8' S FROM WELL.*
- *#9 (HARN 50392) APPLICATION: G-14678 & G-14888 IN THE SE 1/4 SE 1/4 SECTION 34 & 1055' N & 130' W FROM SE COR. FLOWMETER IS 5' W FROM WELL.*
- *#10 (HARN 51682) APPLICATION: G-17574 & G-17575 IN THE SW 1/4 NE 1/4 SECTION 33 & 2605' S & 750' E FROM N 1/4 CORNER. FLOWMETER IS 5' N FROM WELL.*
- *#18 (HARN 52018) APPLICATION: G-17574 & G-17575 IN THE NE 1/4 NW 1/4 SECTION 33 & 5' S & 1320' W FROM N 1/4 COR. FLOWMETER IS 6' W FROM WELL.*
- *#22 (HARN 52481) APPLICATION: T-12267 IN THE NE 1/4 SW 1/4 SECTION 33 & 5' S & 1500' E FROM W 1/4 CORNER. FLOWMETER IS 5' W FROM WELL.*

RECEIVED
OCT 15 2018
OWRD



1152

PREPARED FOR:
ANDY ROOT
524 HIGHWAY 20 N
HINES, OR 97738

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

Certified Water Right Examiner
#51324 WRE
Scott D. Montgomery
May 21, 2001
STATE OF OREGON

RENEWAL DATE: 12/31/2018

BURIED STEEL PIPE

78.1 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IR POU, AS SHOWN.
1214.3 ACRES IR FROM PERMIT APP. G-14678 REMAIN, AS SHOWN.

145.1 ACRES IS FROM PERMIT APP. G-14678 REMAIN, AS SHOWN. PRIMARY RIGHT IS C-19922.

42.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS & 21.7 ACRES IS FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14581.

246.4 ACRES IR FROM PERMIT APP. G-14888 REMAIN, AS SHOWN.

64.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14584.

20.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14585.

THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RIGHT ONLY AND HAS NO INTENT TO PROVIDE LEGAL DIMENSIONS OR THE LOCATION OF PROPERTY LINES

Mailing List for Proposed Certificate

Copies Mailed

by: TM (STAFF)

on: 4/23/2020 (DATE)

Application: G-14888

Permit: G-18091

Certificate:

Permit/Certificate Holder:

ANDY ROOT
524 HWY 20 N
HINES OR 97738

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

Copies of Final Certificate to be sent to:

1. Watermaster District #: 10
2. File

Other persons to receive copies: (include map):

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

4. Scott Montgomery, CWRE

Oregon
Kate Brown, Governor

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

DATE MAILED: APR 23 2020

NOTICE

Reference: Application G-14888, Permit G-18091

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

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

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

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

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

Sincerely,

Dwight French
Water Right Services Administrator

STATE OF OREGON

COUNTY OF HARNEY

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

confirms the right to the use of water perfected under the terms of Permit G-18091. 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-14888

SOURCE OF WATER: THIRTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE or USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS) IN ANY COMBINATION BETWEEN THE WELLS; FURTHER LIMITED TO 1.49 CFS FROM WELL 1, 0.75 CFS FROM WELL 2, 1.35 CFS FROM WELL 3, 1.67 CFS FROM WELL 4, 1.09 CFS FROM WELL 5, 1.02 CFS FROM WELL 6, 0.34 CFS FROM WELL 6A, 1.03 CFS FROM WELL 7, 2.06 CFS FROM WELL 8, 1.01 CFS FROM WELL 9, 2.04 CFS FROM WELL 10, 1.71 CFS FROM WELL 18 AND 3.13 CFS FROM WELL 22

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998 FOR 3.0 CFS AND MARCH 12, 1999 FOR 0.08 CFS

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1 (ORIGINAL) - 25 FEET SOUTH AND 660 FEET WEST FROM N1/4 CORNER, SECTION 33
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22 S	32.5 E	WM	33	NW SE	WELL 3 (ORIGINAL) - 1365 FEET NORTH AND 1365 FEET WEST FROM SE CORNER, SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4 (ORIGINAL) - 2710 FEET SOUTH AND 830 FEET WEST FROM N1/4 CORNER, SECTION 34
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PROPOSED

PROPOSED
95197

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6 (ORIGINAL) - 1320 FEET SOUTH AND 1320 FEET EAST FROM N1/4 CORNER, SECTION 34
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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 feet per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
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The combined quantity of water diverted at the new points of appropriation (Wells 6A and 22) together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 18), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Measurement, recording and reporting conditions:

A. The water user shall maintain the totalizing flow meter or other suitable measuring device approved by the Director in good working order at each point of appropriation, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.

B. The water user shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

PROPOSED Certificate ***

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

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

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

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

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

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

Issued _____

PROPOSED

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

PROPOSED

HARNEY Project

MEMO –Proof to Satisfaction (March 17, 2014)

Application # G-14888	Permit # G-18091	Transfer #
WRD Reviewer J Skaug		Date March 2020
WRD Peer Reviewer		Date

Research

✓ Organize file in chronological order
✓ Pull CBU Report & Map(s), Application Map, relevant Permit, Certificate, or Transfer Order, most recent Assignments, Extension Orders, SWL Measurements, Fish Screen Certification Documents, Water Use Reports & Pump Tests
✓ Search for Water Right Location using Interactive Mapper. Identify Tax Lots & check for Area of Interest (AOI)
✓ Water Organization identified using AOI? ✓ No ___ Yes
If "Yes" cc: _____ & Add to Mailing List
✓ Print Tax Lot Map from ormap.net for the original Place of Use, and confirm Current Ownership & Address with County Assessor tax lot 2200 & 2400 different owner
If there is a new owner, Add to Mailing List, including the owner(s) name & tax lot number
✓ Print Platcard & check for Place of Use Conflict? ✓ No ___ Yes
If "Yes", provide copy of certificate & relevant map
✓ Print BLM Cadastral Survey
✓ Does Claim Map identify correct DLC, Gov't Lots, QQ's? ___ No ✓ Yes
If "No", either _____ WRD amend map OR _____ prepare Order of Certification

Reviewing Claim

Have conditions on relevant permit, certificate, or transfer order been complied with? (Yes), No, OR N/A

— Fish Conditions
Yes Meter/measuring device yes all have measuring devices
Yes Water Use Reporting Yes
Yes Pump Test (post December 19, 1988) ~~exemption request not approved~~ yes approved
— Other Conditions _____
— SWL
✓ C-Date 10.1.2018 - Claim says 8.21.2018
✓ Run Capacity Calculator and Print Findings (for pump, sprinklers, pipes, ditches, as appropriate)

NOTES:
1) Scott Montgomery, CWRE
2) Current landowner map & tax lots: 22S32E000002200
22S32E000002400
Battlesnake Creek Land & Cattle Co
524 HWY 20 N
Hines OR 97738

* going proposed Cert

Determination

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

___ I've determined that the permit/transfer was not fully developed as authorized and that a **PROPOSED** Certificate should be issued. A proposed Certificate should be issued for the following reason(s):

___ I've determined that beneficial use was NOT made within the terms and conditions and that a **Proposed Order of Certification** (denial) should be issued. A proposed Order of Certification should be issued for the following reason(s):

Processing

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

___ Draft Certificates or Proposed Order of Certifications are available in the Application directory.

___ Prepare Mailing List. Include Applicant(s); Receiving Landowner(s); Current Owner(s); Water Organizations; CWRE. Indicate records to be marked.

___ Record marking: App _____ Permit _____ Cert _____
App _____ Permit _____ Cert _____
App _____ Permit _____ Cert _____
App _____ Permit _____ Cert _____

NOTES:

Well 1	1.49 CFS	HARN 1879
Well 2	0.75 CFS	HARN 1912
Well 3	1.35 CFS	HARN 50457
Well 4	1.67 CFS	HARN 50241
Well 5	1.09 CFS	HARN 50668
Well 6	1.02 CFS	HARN 50422
Well 6a	0.34 CFS	—
Well 7	1.03 CFS	HARN 50890
Well 8	2.06 CFS	HARN 50362
Well 9	1.01 CFS	HARN 50392
Well 10	2.04 CFS	HARN 51682
Well 18	1.71 CFS	HARN 52018
Well 22	3.13 CFS	HARN 52481

Pump Capacity Calculator

using Department designed formula:

well 1

HARN 1879

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	880
Head based on psi =	101.6
Total dynamic head = (head + lift)	591.6

Pump Capacity = 1.487 cubic feet per second

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

Pump Capacity Calculator

using Department designed formula:

well 2

HARN 1912

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	352
Head based on psi =	101.6
Total dynamic head = (head + lift)	466.6

Pump Capacity = 0.754 cubic feet per second

Claim Says = [redacted] CFS

Sprinkler = 0.33 CFS

Pivot Output = 27.8 CFS

Pump Capacity Calculator

using Department designed formula:

well 3

HARN 50457

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	704
Head based on psi =	101.6
Total dynamic head = (head + lift)	521.6

Pump Capacity = 1.350 cubic feet per second

Claim Says ~~1.35 CFS~~

Sprinkler = 0.33 CFS

Pivot output = 27.8 CFS

Pump Capacity Calculator

using Department designed formula:

well 4

HARN 50241

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	704
Head based on psi =	101.6
Total dynamic head = (head + lift)	421.6

Pump Capacity = 1.670 cubic feet per second

Claim Says [redacted]

Sprinkler = 0.33 CFS

Pivot Output = 27.8 CFS

Pump Capacity Calculator
using Department designed formula:

well 5

HARN 50668

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

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

Pump Capacity = 1.094 cubic feet per second

Claim Says 1.01 CFS

Sprinkler = 0.33 CFS

Pivot Output = 27.8 CFS

Pump Capacity Calculator

using Department designed formula:

well 6

HARN 50422

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	528
Head based on psi =	101.6
Total dynamic head = (head + lift)	516.6

Pump Capacity = 1.022 cubic feet per second

Claim Says [redacted]

Sprinkler = 0.33 CFS

Pivot Out put = 27.8 CFS

well 6a

Pump Capacity Calculator

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	176
Head based on psi =	101.6
Total dynamic head = (head + lift)	516.6

Pump Capacity = 0.341 cubic feet per second

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

Pump Capacity Calculator
using Department designed formula:

well 7

HARN 50890

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

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

Pump Capacity = 1.032 cubic feet per second

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

Pump Capacity Calculator

using Department designed formula:

well 8

HARN 50362

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

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

Pump Capacity = 2.064 cubic feet per second

Claim Says 2.064 CFS

Sprinker = 0.33 CFS

Pivot out put = 27.8 CFS

well 9

HARN 50392

Pump Capacity Calculator

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

(hp)(efficiency) =	528
Head based on psi =	101.6
Total dynamic head = (head + lift)	521.6

Pump Capacity = 1.012 cubic feet per second

Claim Says 1.0 CFS
Sprinkler = 0.33 CFS
Pivot Output = 27.8 CFS

well 10

HARN 51682

Pump Capacity Calculator

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

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

Pump Capacity = 2.044 cubic feet per second

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

well 18

HARN S2018

Pump Capacity Calculator

using Department designed formula:

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

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

Pump Capacity = 1.710 cubic feet per second

Claim Says [redacted] CFS
Sprinkler = 0.33 CFS
Pivot Output = 27.8 CFS

well 22

HARN 52481

Pump Capacity Calculator
using Department designed formula:

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

Efficiency:

Centrifugal = 6.61
Turbine = 7.04

Data Entry (fill in underlined blanks)

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

Results Calculated

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

Pump Capacity = 3.134 cubic feet per second

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

Tax Lots

Identify Tax Lots OR Map

○ Off
◉ On

County:	Harney
Taxlot:	22S32VE000002200
Owner1:	RATTLESNAKE CREEK LAND & CATTLE CO
Owner2:	
Owner Address	524 HIGHWAY 20 N, HINES OR 97738-9403
Site Address	, , OR
Acres:	945.8
TRSQQ:	WM22.00S32.50E0XXXX
Effective Date:	May 1, 2019

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

It is recommended to zoom to a detailed extent before query

Tax Lots

Identify Tax Lots OR Map

○ Off
◉ On

County:	Harney
Taxlot:	22S32VE000002400
Owner1:	RATTLESNAKE CREEK LAND & CATTLE CO
Owner2:	
Owner Address	524 HIGHWAY 20 N, HINES OR 97738-9403
Site Address	71964 COW CREEK RD, BURNS, OR 97720
Acres:	311.7
TRSQQ:	WM22.00S32.50E0XXXX
Effective Date:	May 1, 2019

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

It is recommended to zoom to a detailed extent before query

THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ONLY

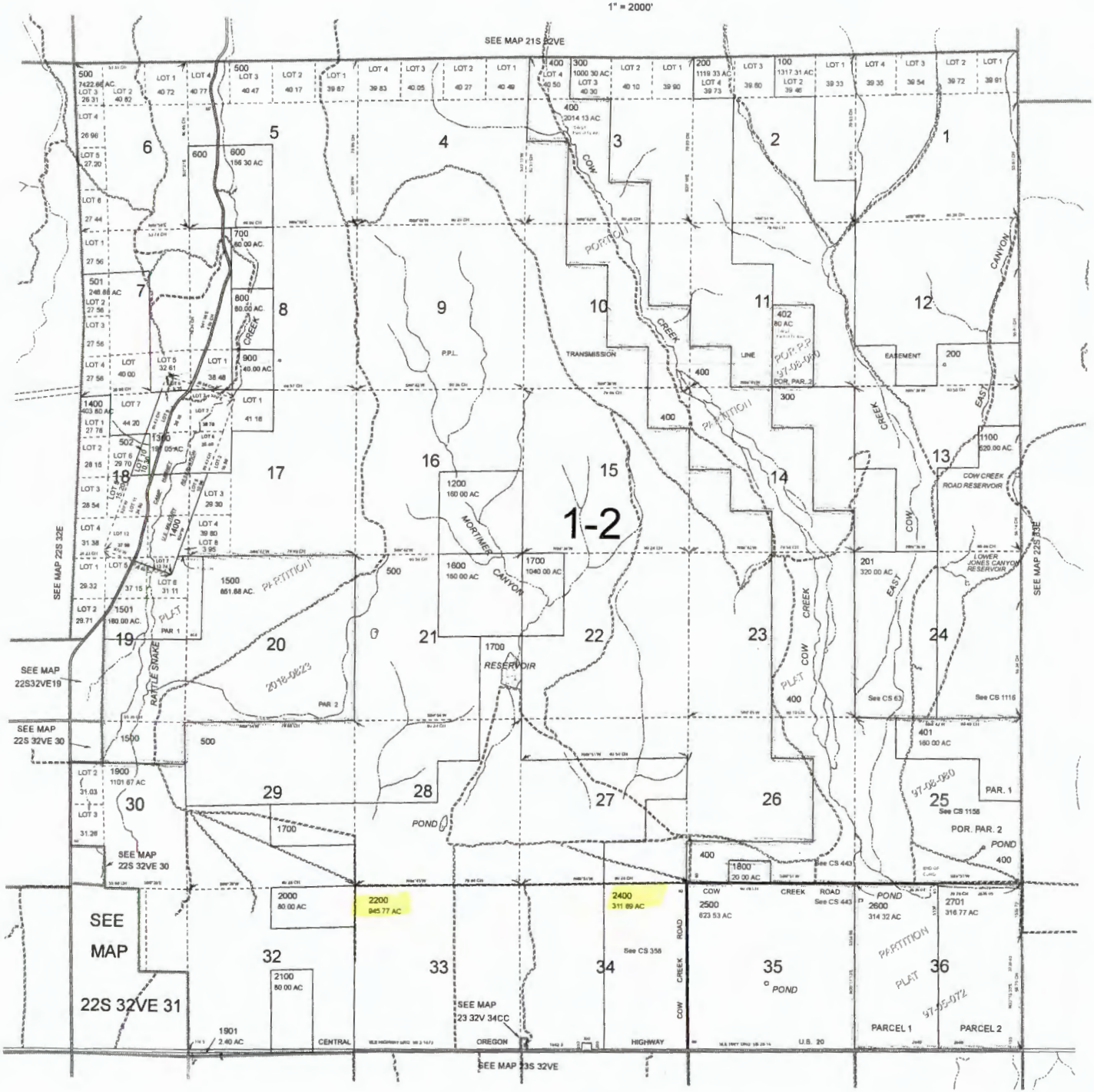
T.22S. R.32 1/2E. W.M.

HARNEY COUNTY

1" = 2000'

22S32VE

Cancelled Nos.
1000
2300
2700



PRINTED ON 7/16/2018

22S32VE

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 16, 2020 3:45:03 pm

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

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

Situs Address(s)	**Situs City**

Value Summary

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

Land Breakdown

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

Improvement Breakdown

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

HARNEY County Assessor's Summary Report

Real Property Assessment Report

FOR ASSESSMENT YEAR 2020

NOT OFFICIAL VALUE

March 16, 2020 3:55:35 pm

Account #	5667	**Tax Status**	ASSESSABLE
Map #	22S32V000002400	**Acct Status**	ACTIVE
Code - Tax #	0120-5667	**Subtype**	NORMAL
Legal Descr	Metes & Bounds - See legal report for full description.		
Mailing Name	RATTLESNAKE CREEK LAND & CATTLE CO	**Deed Reference #**	See Record
Agent		**Sales Date/Price**	See Record
In Care Of		**Appraiser**	CHARLES DICKINSON
Mailing Address	524 HIGHWAY 20 N HINES, OR 97738-9403		

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

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

Value Summary

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

Land Breakdown

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

Improvement Breakdown

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

MS Account(s): 0120-P-76339

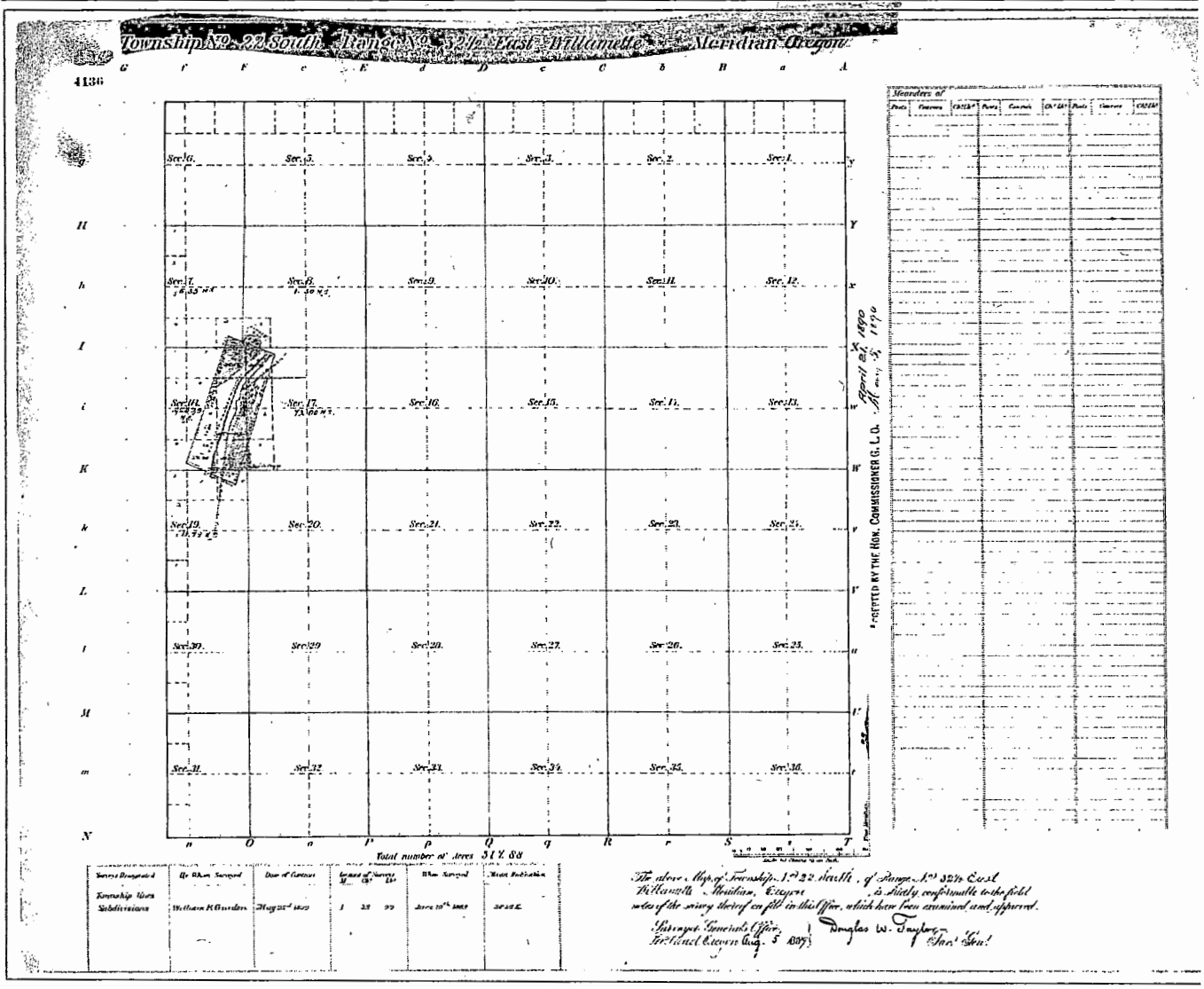
No Conflict?

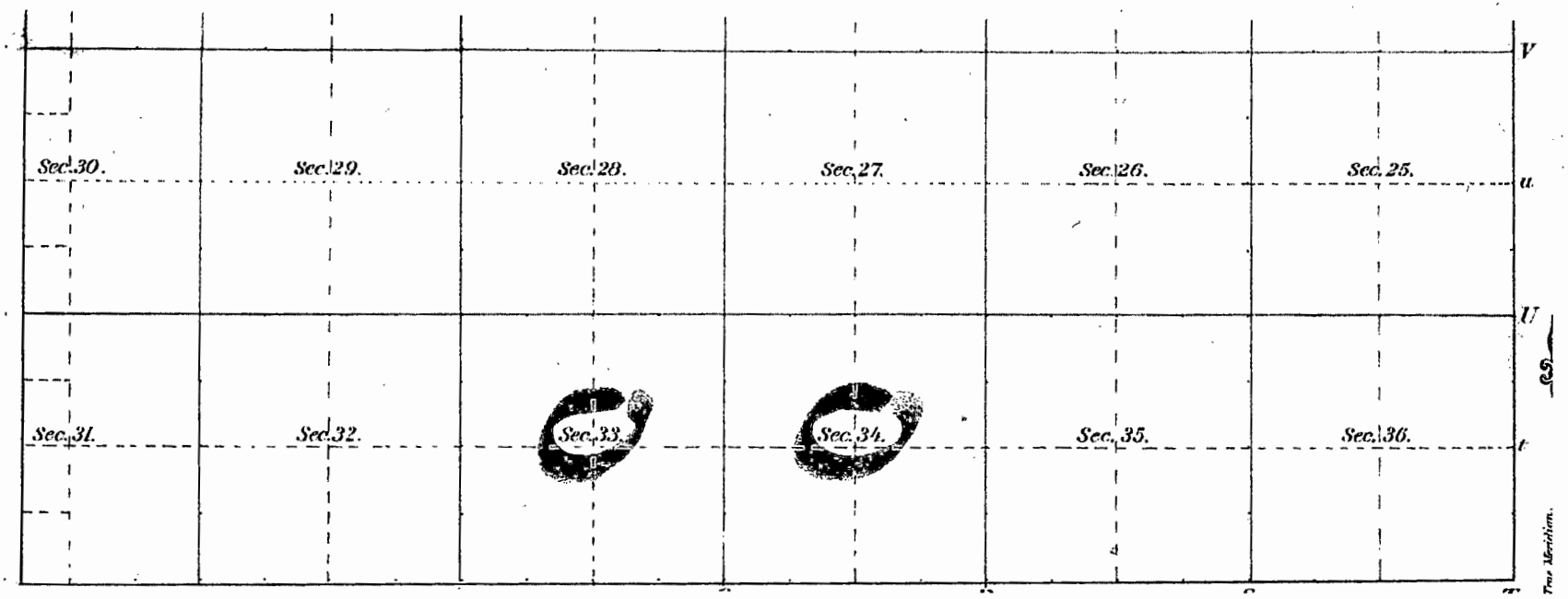
Oregon Water Resources Department
Water Rights in the Same Area

Places of Use from Water Rights in the Same Area

The following rights have acreage in the same quarter-quarter as Permit: G 18091 *

reset | pan | blowup | reduce | enlarge | print




Sec. 30.
Sec. 29.
Sec. 28.
Sec. 27.
Sec. 26.
Sec. 25.
Sec. 31.
Sec. 32.
Sec. 33.
Sec. 34.
Sec. 35.
Sec. 36.
V
U
Two Meridians.

Water Use Report Based on Water Right

◉ excel ○ text

Permit: G 18091 *
ROOT, ANDY 524 HWY 20 N HINES, OR 97738

Records per page: 999 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	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	11.17	101.44	93.87	174.58	163.60	48.35	593.01	1834.30
2019	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2019	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.12	58.02	107.65	93.10	3.55	328.44	1834.30
2019	47873	(HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65.35	126.23	91.46	68.61	18.09	369.74	1834.30
2019	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.06	10.44	16.72	20.80	23.86	2.27	74.15	1834.30
2019	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.44	24.21	81.94	88.09	13.19	250.87	1834.30
2019	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	6.43	48.03	62.56	49.90	21.06	187.99	1834.30
2019	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	0.27	117.51	223.45	163.86	150.07	53.19	708.35	1834.30
2019	66194	WELL 9 (HARN 50392/L-28434)	0.00	0.00	0.00	0.00	0.00	0.00	0.26	112.50	65.32	172.69	223.81	75.17	649.75	1834.30
2019	66195	(HARN 51682/L-102504)	0.00	0.00	0.00	0.00	0.00	0.00	0.89	104.38	0.30	149.92	184.51	65.15	505.15	1834.30
2019	66196	WELL 18 (HARN 52018/L-113433)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.36	28.49	114.38	107.39	30.31	320.93	1834.30
2019	67964	WELL 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2019	67965	WELL 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2019	67966	WELL 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

2019	67967	WELL 22 (HARN 52481)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.23	8.95	102.35	105.35	31.07	297.95	1834.30
2018	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	41.87	80.62	15.80	80.38	91.83	76.17	386.67	1834.30
2018	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1834.30
2018	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.52	47.19	66.75	47.53	68.58	240.57	1834.30
2018	47873	WELL 4 (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	1.74	147.65	23.16	157.11	186.19	78.06	593.91	1834.30
2018	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	11.49	10.16	21.79	
2018	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.89	33.77	73.22	77.50	16.00	269.38	1834.30
2018	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	7.68	44.30	63.47	49.84	55.57	40.07	260.93	1834.30
2018	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	22.10	204.31	142.56	201.97	200.13	95.11	866.18	1834.30
2018	66194	WELL 9 (HARN 50392/L-28434)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	84.51	0.11	96.27	123.30	23.79	327.98	327.98
2018	66195	WELL 10 (HARN 51682/L-102504)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153.96	0.30	179.59	213.39	172.88	720.12	1834.30
2018	66196	WELL 18 (HARN 52018/L-113433)	0.00	0.00	0.00	0.00	0.00	0.00	8.03	102.90	12.27	111.28	127.84	94.13	456.45	1834.30
2018	67964	WELL 6A	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.29	15.83	34.32	36.33	7.50	126.27	1834.30
2018	67965	WELL 20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2018	67966	WELL 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2018	67967	WELL 22 (HARN 52481)	0.00	0.00	0.00	0.00	0.00	0.00	62.53	110.20	60.01	111.65	101.40	69.51	515.30	1834.30
2017	47870	WELL 1 (HARN 1879/L-35539)	0.09	0.00	0.00	0.00	0.00	0.00	0.00	104.27	182.90	128.12	172.21	69.55	657.14	
2017	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

2017	47872	WELL 5 (HARN 50457 / L-35537)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	27.67	89.67	76.29	55.15	16.85	265.68		
[redacted]	47873	[redacted]4 (HARN 50241 / L-16814)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	41.89	92.28	83.91	118.70	0.39	337.22		
2017	47874	WELL 5 (HARN 50668)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.76	9.20	0.03	6.42	31.44		
2017	47875	WELL 6 (HARN 50422/L-28438)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.09	47.15	62.60	78.15	30.72	218.76		
2017	47876	WELL 7 (HARN 50890/L-51625)	0.12	0.00	0.00	0.00	0.00	0.00	0.00	4.96	62.59	56.97	62.48	20.55	207.67		
2017	47877	WELL 8 (HARN 50362/ L-21297)	0.20	0.00	0.00	0.00	0.00	0.00	0.00	75.76	170.75	159.87	178.96	55.95	641.49		
2017	66194	WELL 9 (HARN 50392/L-28434)	0.05	0.00	0.00	0.00	0.00	0.00	0.00	132.21	220.65	192.53	248.25	90.55	884.24		
[redacted]	66195	[redacted] 10 (HARN 51682/L-102504)	0.20	0.00	0.00	0.00	0.00	0.00	0.00	13.52	84.47	143.12	222.26	83.09	546.66		
2017	66196	WELL 18 (HARN 52018/L-113433)	0.10	0.00	0.00	0.00	0.00	0.00	0.00	37.55	77.08	82.30	127.20	46.37	370.60		
2016	47870	WELL 1 (HARN 1879/L-35539)	30.37	0.00	0.00	0.00	0.00	14.19	121.21	155.09	199.27	125.94	51.47	0.85	698.39	1834.30	
2016	47871	WELL 2 (HARN 1912 / L-35536)		0.00	0.00	0.00	0.00								0.00		
2016	47872	WELL 5 (HARN 50457 / L-35537)	9.36	0.00	0.00	0.00	0.00	16.04	89.42	84.05	105.98	85.51	24.25	0.22	414.83	1834.30	
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	23.26	0.00	0.00	0.00	0.00	27.89	113.35	169.63	157.11	171.01	102.70	0.10	765.05	1834.30	
2016	47874	WELL 5 (HARN 50668)	0.03	0.00	0.00		0.00	0.01	1.01	1.21	23.14	21.13	0.09	0.03	46.65	1834.30	
2016	47875	WELL 6 (HARN 50422/L-28438)	15.67	0.00	0.00	0.00		9.64	67.62	83.03	116.94	97.42	78.47	0.05	468.84	1834.30	
2016	47876	WELL 7 (HARN 50890/L-	8.48	0.00	0.00	0.00	0.00	4.57	48.19	54.51	64.19	67.91	39.47	0.12	287.44	1834.30	

		51625)														
2016	47877	WELL 8 (HARN 50362/ L-21297)	48.69	0.00	0.00	0.00	0.00	23.98	171.54	175.41	176.66	143.64	112.40	0.20	852.52	1834.30
2016	66194	WELL 9 (HARN 50392/L-28434)	14.42	0.00	0.00	0.00	0.00	7.39	31.44	68.04	102.99	69.65	48.58	0.05	342.56	1834.30
2016	66195	WELL 10 (HARN 51682/L-102504)	23.46					36.76	13.61	138.88	153.07	156.92	75.99	0.20	598.89	1834.30
2016	66196	WELL 18 (HARN 52016/L-113433)	12.17	0.00	0.00	0.00	0.00	0.05	94.38	108.22	116.85	130.35	72.94	0.10	535.06	1834.30
2015	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	4.29	358.46	179.01	200.11	240.20	81.20	1063.27	
2015	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2015	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	35.72	102.14	79.75	91.73	94.76	30.13	434.23	
	47873	(HARN 50241 / L-16814)							2.15	17.38	34.75	53.16	83.12	15.03	205.59	
2015	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2015	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	42.48	119.58	134.05	132.85	0.14	59.76	488.86	
2015	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	10.96	70.99	14.19	60.56	71.03	10.09	237.82	
2015	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	42.12	146.37	148.50	182.51	197.26	139.67	856.43	
2015	66194	WELL 9 (HARN 50392/L-28434)		0.00	0.00	0.00	0.00	0.00	98.92	32.94	66.60	82.33	83.00	29.20	392.99	
2014	47870	WELL 1 (HARN 1879/L-35539)	3.41	0.00	0.00	0.00	0.00	0.00	153.48	213.85	149.41	184.23	171.46	136.26	1012.10	
2014	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

		51625)													
2013	47877	WELL 8 (HARN 50362/ L-21297)	0.03	0.00	0.00	0.00	0.00	0.00	67.64	501.81	456.96	409.94	303.77	0.00	1740.15
2012	47870	WELL 1 (HARN 1879/L-35539)	6.15	0.00	0.00	0.00	0.00	0.00	0.00	139.47	169.75	166.35	184.23	127.46	793.41
2012	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	58.92	63.32	83.48	109.27	88.39	403.38
	47873	(HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	74.23	79.34	80.16	77.63	85.51	396.87
2012	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	52.66	59.22	64.89	83.95	59.61	320.33
2012	47876	WELL 7 (HARN 50890/L-51625)	1.84	0.00	0.00	0.00	0.00	0.00	7.69	35.71	70.65	61.69	74.57	56.33	308.48
2012	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	441.59	436.11	575.79	510.32	492.58	2456.39
2011	47870	WELL 1 (HARN 1879/L-35539)	24.60	0.00	0.00	0.00	0.00	0.00	0.00	13.53	74.28	121.78	205.52	60.46	500.17
2011	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.06	35.21	52.30	105.96	18.29	226.82
	47873	(HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.14	38.94	67.45	107.55	16.16	244.24
2011	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.35	26.77	37.23	82.20	0.02	151.57
2011	47876	WELL 7 (HARN	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.89	71.99	29.26	133.19

2014	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	91.65	66.04	79.56	60.44	41.22	0.00	338.91
2014	47873	[illegible] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	3.60	129.39	91.41	117.68	80.97	40.39	463.44
2014	47874	WELL 5 (HARN 50668)	4.26	0.00	0.00	0.00	0.00	0.00	0.00	3.58	11.12	0.05	0.06	0.04	19.11
2014	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.23	108.17	65.55	85.22	90.31	45.10	394.58
2014	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	2.24	82.85	70.57	85.37	73.25	33.22	347.50
2014	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	12.18	375.41	237.32	319.41	209.77	124.90	1278.99
2014	66194	WELL 9 (HARN 50392/L-28434)							126.40	288.42	196.13	219.10	197.80	126.95	1154.80
2014	66195	WELL 10 (HARN 51682/L-[illegible])							6.39	174.42	130.50	164.33	144.22	59.38	679.24
2014	66196	WELL 18 (HARN 52018/L-113433)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	47870	WELL 1 (HARN 1879/L-35539)	2.89	0.00	0.00	0.00	0.00	0.00	200.82	235.97	183.09	219.91	170.92	0.00	1013.60
2013	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	47872	WELL 3 (HARN 50457 / L-35537)	3.20	0.00	0.00	0.00	0.00	0.00	22.33	91.47	88.91	90.06	75.27	0.00	371.24
[illegible]	47873	[illegible] (HARN 50241 / L-16814)	0.03	0.00	0.00	0.00	0.00	0.00	23.20	103.93	91.28	95.19	68.34	0.00	381.97
2013	47874	WELL 5 (HARN 50668)	0.03	0.00	0.00	0.00	0.00	0.00	13.40	18.17	16.57	18.50	15.84	0.00	82.51
2013	47875	WELL 6 (HARN 50422/L-28438)	0.03	0.00	0.00	0.00	0.00	0.00	25.43	165.71	162.26	190.45	158.07	0.00	701.95
2013	47876	WELL 7 (HARN 50890/L-	35.71	0.00	0.00	0.00	0.00	0.00	68.26	83.61	72.36	88.97	78.68	0.00	427.59

		50890/L-51625)													
[redacted]	66195	[redacted] (HARN 51682/L-102504)	0.16	0.00	0.00	0.00	0.00	0.00	0.00	20.03	59.22	103.06	179.23	0.00	361.70
2010	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	2.74	123.58	141.18	114.49	153.95	76.93	612.87
2010	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.12	72.46	57.35	74.63	19.52	264.08
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	0.04	0.00	0.00	0.00	0.00	0.00	0.00	59.58	78.24	65.09	65.18	22.02	290.15
2010	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.39	60.03	51.77	40.23	27.91	228.33
2010	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	40.59	56.28	39.25	59.12	65.97	38.57	299.78
2007	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	101.26	101.26	101.26	101.26	101.26	101.26	607.56
2007	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	101.26	101.26	101.26	101.26	101.26	101.26	607.56
2007	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	101.26	101.26	101.26	101.26	101.26	101.26	607.56
2007	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	194.80	194.80	194.80	194.80	779.20
2007	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.56	50.56	50.56	50.56	202.24
2007	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.56	50.56	50.56	50.56	202.24
2007	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2006	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	108.10	216.20
2006	47871	WELL 2 (HARN 1912 / L-35536)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	108.10	216.20
2006	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.10	108.10	216.20
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.88	106.88	106.88	106.88	427.52
2006	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.40	51.40	102.80
2006	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	51.40	51.40	102.80
2006	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	239.78	239.78	239.78	239.78	0.00	959.12
2005	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	159.62	159.62	159.62	159.62	0.00	638.48
2005	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	6.60	6.60	6.60	6.60	6.60	6.60	39.60
2005	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	162.70	162.70	162.90	162.90	0.00	651.20
2004	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.50	97.50	97.50	97.50	0.00	390.00
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	167.00	167.00	167.20	167.00	0.00	668.20
2004	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2004	47875	WELL 6 (HARN 50422/L-28438)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2004	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2003	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	184.00	184.00	184.00	184.00	184.00	184.00	1104.00
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	117.00	117.00	117.00	117.00	117.00	117.00	702.00
2003	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	32.80	32.80	32.80	32.80	32.80	32.80	196.80
2003	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	299.60	299.60	299.60	299.60	299.60	299.60	1797.60
2002	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	200.00	200.00	200.00	200.00	200.00	150.00	1150.00
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	52.00	52.00	52.00	52.00	52.00	52.00	312.00
2002	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	57.00	57.00	57.00	57.00	57.00	57.00	342.00
2002	47876	WELL 7 (HARN 50890/L-51625)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	290.00	295.00	295.00	295.00	295.00	290.00	1760.00
2001	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	8.60	255.00	292.00	228.00	238.00	34.30	1055.90
2001	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	174.00	110.00	162.00	161.00	34.00	641.00
2001	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83.60	61.10	69.20	81.90	11.50	307.30
2001	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	11.40	436.20	218.40	223.80	312.00	58.80	1260.60
2000	47870	WELL 1 (HARN 1879/L-35539)	0.00	0.00	0.00	0.00	0.00	0.00	185.00	185.00	185.00	185.00	185.00	184.00	1109.00

2000	47872	WELL 3 (HARN 50457 / L-35537)	0.00	0.00	0.00	0.00	0.00	0.00	72.00	72.00	72.00	72.00	72.00	72.00	432.00
[redacted]	47873	[redacted] (HARN 50241 / L-16814)	0.00	0.00	0.00	0.00	0.00	0.00	113.00	113.00	113.00	113.00	113.00	113.00	678.00
2000	47874	WELL 5 (HARN 50668)	0.00	0.00	0.00	0.00	0.00	0.00	38.00	38.00	38.00	38.00	38.00	38.00	228.00
2000	47877	WELL 8 (HARN 50362/ L-21297)	0.00	0.00	0.00	0.00	0.00	0.00	365.00	365.00	365.00	365.00	365.00	365.00	2190.00

*The water year is named for the calendar year in which it ends. Example: the 2018 water year begins Oct. 1, 2017 and ends Sep. 30, 2018.

- The Water Resources Department makes reasonable efforts to screen the data for quality control; however, the Department cannot accept responsibility for errors, omissions, or accuracy of the information. Notification of any errors is appreciated. Send notifications to wateruse@wrd.state.or.us or call (503) 986-0905.
- Water use is reported by point of diversion (POD), rather than by water right.
- If a POD is shared with multiple water rights, it is not feasible to separate out the amount used under the water right being queried from water used by other rights using this same POD.
- Monthly amounts indicate:
  - For diverted rights, the total amount diverted during the month;
  - For storage rights, the amount generally stored in the reservoir/pond during the month, as represented by the volume of water impounded on approximately the same day each month.
- Water use amounts have all been converted to "acre-feet" (AF), regardless of the original measurement unit reported. One AF is the volume of water that will cover an acre of ground one foot deep = 325,850 gallons.
- Zeroes indicate that a report was received stating that no water was used during those months; if a year is not listed, no report of water use was received for that year.

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
HC 73 174 HARNEY ROAD PHONE: (541)493-3645
BURNS, OREGON 97720

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: WELL 8 AND WELL 9 IN THE RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

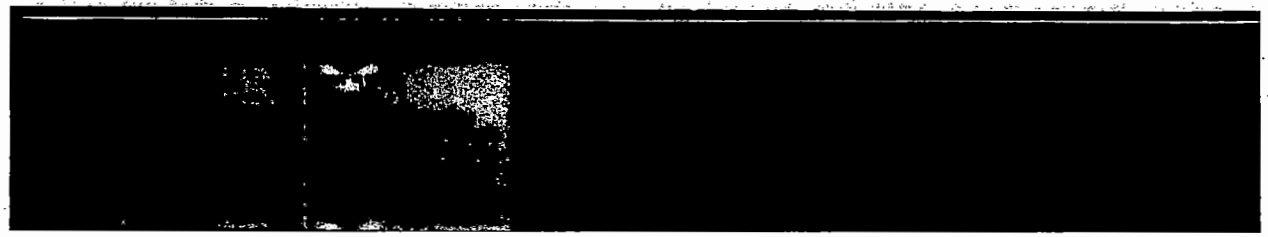
POINT OF DIVERSION LOCATION: NE 1/4 NE 1/4, SECTION 32, SW 1/4 SE 1/4, SECTION 34, T22S, R32½E, W.M.; WELL 8 - 1 FOOT SOUTH & 1306 FEET WEST FROM NE CORNER, SECTION 32; WELL 9 - 130 FEET NORTH & 2180 FEET WEST FROM SE CORNER, SECTION 34

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 (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NE 1/4 SW 1/4 30.2 ACRES
NW 1/4 SW 1/4 30.2 ACRES
SW 1/4 SW 1/4 30.2 ACRES
SE 1/4 SW 1/4 30.2 ACRES
SECTION 33

C-10-1-2004



NE 1/4 SE 1/4 31.4 ACRES
NW 1/4 SE 1/4 31.4 ACRES
SW 1/4 SE 1/4 31.4 ACRES
SE 1/4 SE 1/4 31.4 ACRES
SECTION 34
TOWNSHIP 22 SOUTH, RANGE 32½ EAST, W.M.

Measurement, recording and reporting conditions:

#1 A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

#2

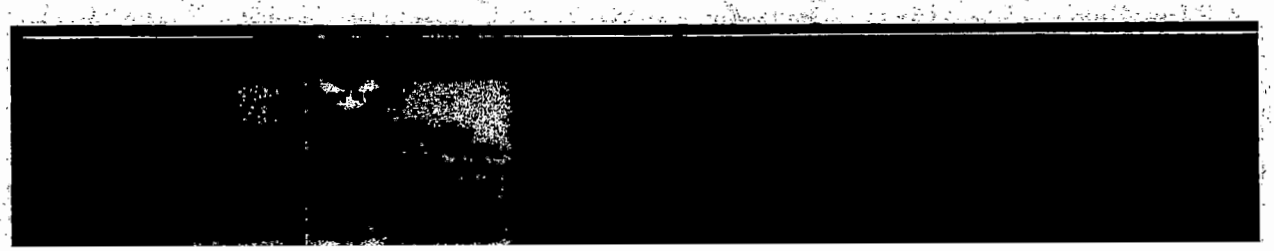
B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include #3 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.

#3 Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

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

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

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

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

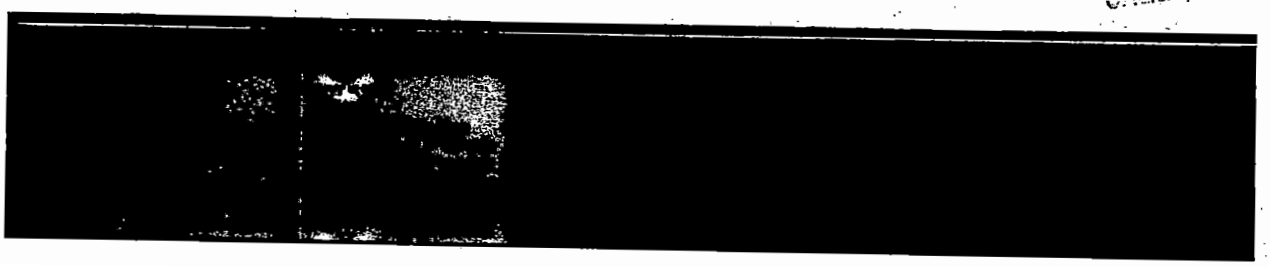
The Director finds that the proposed use(s) of water described by this permit, as conditioned, will not impair or be detrimental to the public interest.

Actual construction of the well shall begin by July 30, 2000. Complete application of the water to the use shall be made on or before October 1, 2003. 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 September 1, 1999 10-1-2004

Dwight French for
Martha O. Pagel, Director
Water Resources Department

Application G-14888 Water Resources Department PERMIT G-13730
Basin 12 Volume 2 RATTLESNAKE CR District 10
RWK MGMT.CODE 7BG 7BR



BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-12267, Harney County	)	FINAL ORDER APPROVING A CHANGE IN POINTS OF APPROPRIATION, ADDITIONAL POINTS OF APPROPRIATION, A CHANGE IN PLACE OF USE, AND THE PARTIAL DIMINUTION OF A WATER RIGHT PERMIT

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 February 1, 2016, Andy Root filed an application to change points of appropriation, for additional points of appropriation and to change in place of use under Permits G-17574 and G-17499. The Department assigned the application number T-12267.
2. On September 7, 2016, the Department notified the applicant's agent of a change in the water right permit number the agent confirmed that the intended permit number should be G-17575.
3. Notice of the application for the permit amendment was published in the Department's weekly notice on February 9, 2016, and re-noticed with the corrected Permit numbers on September 7, 2016, and in the Burns Herald newspaper on September 26, 2018, pursuant to ORS 540.520(5). No comments were filed in response to the notices.
4. On September 26, 2016, the applicant's agent on behalf of the applicant submitted and amended application and maps.
5. The Department re-noticed the application with the amended information and pages on October 4, 2016.
6. The amended application pages included an affidavit to diminish some of the acres from primary irrigation to supplemental irrigation.

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. For Permit G-17574 Permit Amendment Application T-12267 proposes to move an authorized point of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances from the authorized points of appropriation and additional points of appropriation are all approximately between 0.4 and 2.7 miles in distance. The changes and/or additional points are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	34	NW NE	WELL 22-5 FEET SOUTH AND 1500 FEET EAST FROM THE WEST CORNER OF SECTION 34	APOA

8. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17574 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39.0
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30.0
22 S	32.5 E	WM	29	SE SE	30.0
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.2
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
				Total:	1292.3

Supplemental Irrigation					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NE	32.30
22 S	32.5 E	WM	32	NE NW	32.20
22 S	32.5 E	WM	32	NW NW	30.80
22 S	32.5 E	WM	32	SW NW	31.50
22 S	32.5 E	WM	32	SE NW	40.00
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
				Totals:	317.2

9. For Permit G-17575, Permit Amendment Application T-12267 proposes to move some of the authorized points of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances between the authorized points of appropriation and the proposed points of appropriation are between 0.4 and 3.0 miles. Descriptions of the points of appropriation and the type of change proposed are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	32	NW NE	WELL 20- 35 FEET SOUTH AND 1350 FEET WEST FROM THE NE CORNER OF SECTION 32	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	32	NW NW	WELL 22- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA

10. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17575 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.20
22 S	32.5 E	WM	33	NW SW	30.20
22 S	32.5 E	WM	33	SW SW	30.20
22 S	32.5 E	WM	33	SE SW	30.20
22 S	32.5 E	WM	34	NE SE	31.40
22 S	32.5 E	WM	34	NW SE	31.40
22 S	32.5 E	WM	34	SW SE	31.40
22 S	32.5 E	WM	34	SE SE	31.40
				Total:	246.4

Partial Diminishment of a Water Right

11. On September 26, 2016, the Department received an affidavit from Andy Root, Permit Holder of Water Right Permit G-17574, the affidavit diminishes a portion of Permit G-17574 from Primary Irrigation to Supplemental Irrigation and is described as follows:

Permit: G-17574 in the name of ANDY ROOT (perfected under Permit G-13539)
Use: SUPPLEMENTAL IRRIGATION of 128.7 ACRES
Priority Date: FEBRUARY 2, 1998
Rate: 1.61 CUBIC FEET PER SECOND
Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.
Source: TWELVE WELLS within the RATTLESNAKE CREEK BASIN

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FEET SOUTH AND 660 FEET WEST 90. FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FORM THE NW CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FORM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5 FEET SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

Authorized Place of Use to be diminished:

Lands Diminished from Primary to Supplemental					
Twp	**Rng**	**Mer**	**Sec**	**Q-Q**	**Acres**
22 S	32.5 E	WM	32	NE NE	32.9
22 S	32.5 E	WM	32	NW NE	2.2
22 S	32.5 E	WM	32	SW NE	1.4
22 S	32.5 E	WM	32	SE NE	31.3
22 S	32.5 E	WM	32	NE SW	14.6
22 S	32.5 E	WM	32	NE SE	8.8
22 S	32.5 E	WM	32	NW SE	4.6
22 S	32.5 E	WM	32	SW SE	10.1
22 S	32.5 E	WM	32	SE SW	10.4
22 S	32.5 E	WM	32	SE SE	12.4
				Total	128.7

Permit Amendment Review Criteria

12. The changes would not result in injury to other water rights.

13. The proposed place of use is owned and/or controlled by the permit holder.

14. The changes do not enlarge the permit.

15. The changes do not alter any other terms of the permit.

16. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in point of appropriation, additional point of appropriation, change in place of use and diminishment of a portion of a permit proposed by Permit Amendment Application T-12267 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The change in point of appropriation, additional points of appropriation, change in place of use, and the diminishment of a permit proposed by Permit Amendment Application T-12267 are approved.

2. Permits G-18090 and G-18091, both in the name of Andy Root, are issued to replace Permit G-17574 and Permit G-17575, and incorporate the amendments approved by this order. Permits G-17574 and G-17575, both in the name of Andy Root, are no longer of any force or effect.

3. The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

4. The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

5. Water use measurement conditions:
   a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
   b. The water user shall maintain the meters or measuring devices in good working order.
   c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

6. Water shall be acquired from the same aquifer as the original points of appropriation.

7. The former place of use shall no longer be irrigated as part of these permits.

8. All other terms and conditions of Permits G-18090 and G-18091 remain the same.

Dated at Salem, Oregon this OCT 08 2018.

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

Mailing Date: OCT 09 2018

system and the time to fully apply water to beneficial use to October 1, 2018. The protest period closed November 8, 2013, in accordance with OAR 690-315-0060(1). No protest was filed.

Findings of Fact

Except as expressly stated herein, the Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated September 24, 2013.

Exception to the Proposed Final Order:

> The permit does not contain a deadline date by which construction must be completed, so it is not necessary to extend the deadline for completing construction of the water system as was requested in the Application for Extension of Time and as proposed by the Department in the Proposed Final Order. This Final Order, therefore, does not incorporate an extension of the time to complete construction of the water system.
>
> The Application for Extension of Time notes the construction of "Well 10" in December, 2009. Well 10 is not currently authorized by Permit G-13730 as a water source on this permit. A Permit Amendment to add this well must be approved by the Department prior to becoming an authorized well under this permit.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, any comments received, and information within the file, the permit may be extended subject to no additional conditions.

CONCLUSION OF LAW

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

ORDER

The extension of time for Application G-14888, Permit G-13730, therefore, is approved. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 2011 to October 1, 2018.

Oregon Water Resources Department
Water Right Services Division

Water Rights Application
Number G-14888

Final Order

Extension of Time for Permit Number G-13730
Permit Holder: Andy Root

Permit Information
Application File G-14888 Permit G-13730
Basin: 12 – Malheur Lake / Watermaster District 10
Date of Priority: December 22, 1998 for 3.0 cfs and March 12, 1999, for 0.08 cfs

Authorized Use of Water
Source of Water: Well 8 and Well 9 in the Rattlesnake Creek Basin
Purpose of Use: Irrigation of 246.4 Acres
Maximum Rate: 3.08 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-13730 was issued by the Department on September 1, 1999. The permit called for actual construction of the well to begin by July 30, 2000, and complete application of water to beneficial use by October 1, 2003, previously extended to October 1, 2011. On March 26, 2013, Andy Root submitted to the Department an Application for Extension of Time for Permit G-13730. In accordance with OAR 690-315-0050(2), on September 24, 2013, the Department issued a Proposed Final Order proposing to extend the time to complete construction of the water

DATED: March 28, 2014

Dwight W. French, Administrator, Water Right Services Division,
for PHILLIP C. WARD, DIRECTOR

- If you have any questions about statements contained in this document, please contact Steven Parrett at (503) 986-0825.
- If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900

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

Current landowner
Rattle Snake Creek Land & Cattle Co.
524 HWY 20N
Hines OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation, an additional point of appropriation and a change in the place of use, and partial diminishment, proposed under Permit Amendment Application T-12267 and approved by Special Order Vol. 109, Pages 546-551, entered October 8, 2018. This permit supersedes Permit G-17575.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: ~~FIFTEEN~~ thirteen WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES OK

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS) Further limited to 1.49 CFS from Well 1, 0.75 CFS from well 2, 1.35 CFS from well 3, 1.67 CFS from well 4, 1.09 CFS from well 5, 1.02 CFS from well 6, 0.34 CFS from Well 7, 2.06 CFS from well 6A, 1.01 CFS from well 9, 2.04 CFS from well 10, 1.71 CFS well 18 & 3.08 CFS from Well 22

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	[redacted] 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A: 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32
22 S	32.5 E	WM	32 33	NW NW NE SW	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE W1/4 CORNER OF SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
				Total:	246.4

PERMIT AMENDMENT T-12267 CONDITIONS

The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water use measurement conditions: OK

a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).

b. The water user shall maintain the meters or measuring devices in good working order.

c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

   The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING PERMIT CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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

STANDARD CONDITIONS

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

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

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

- request for exemption OK approved but no approval?

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).

Issued OCT 08 2018, 2018.

C date = 10/1/2018
Claim Says 8/2018

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

FINAL PROOF MAP

TO SHOW PLACES OF USE AND POINTS OF APPROPRIATION FOR APPLICATIONS G-14678 & G-14888

ANDY ROOT

TOWNSHIP 22 SOUTH, RANGE 32-1/2 EAST, SECTIONS 29-34, W.M.
TAX LOTS: 1900, 2000, 2100, 2200, & 2400 HARNEY COUNTY, OREGON

- #1 (HARN 1879) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 NW 1/4 SECTION 33 & 25' S & 660' W FROM N 1/4 COR. FLOWMETER IS 6' S FROM WELL.
- #2 (HARN 1912) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 NW 1/4 SECTION 33 & 110' S & 665' W FROM N 1/4 COR. FLOWMETER IS 5' E FROM WELL.
- #3 (HARN 50457) APPLICATION: G-14678 & G-14888 IN THE NW 1/4 SE 1/4 SECTION 33 & 1365' N & 1365' W FROM SE COR. FLOWMETER IS 2' N FROM WELL.
- #4 (HARN 50241) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 SW 1/4 SECTION 34 & 2710' S & 830' W FROM N 1/4 COR. FLOWMETER IS 6' W FROM WELL.
- #5 (HARN 50668) APPLICATION: G-14678 & G-14888 IN THE SE 1/4 NE 1/4 SECTION 34 & 5' N & 830' W FROM E 1/4 COR. FLOWMETER IS 6' E FROM WELL.
- #6 (HARN 50422) APPLICATION: G-14678 & G-14888 IN NW 1/4 NE 1/4 SECTION 34 & 1320' S & 1320' E FROM N 1/4 COR. FLOWMETER IS 10' N FROM WELL.
- #6A (UNK) APPLICATION: T-12267 IN NW 1/4 NE 1/4 SECTION 34 & 1300' S & 1300' E FROM N 1/4 COR. FLOWMETER IS 19' E FROM WELL.
- #7 (HARN 50890) APPLICATION: G-14678 & G-14888 IN THE NW 1/4 NW 1/4 SECTION 33 & 25' S & 45' E FROM NW COR. FLOWMETER IS 1' NW FROM WELL.
- #8 (HARN 50362) APPLICATION: G-14678 & G-14888 IN THE NE 1/4 NE 1/4 SECTION 32 & 35' S & 1245' W FROM NE CORNER. FLOWMETER IS 8' S FROM WELL.
- #9 (HARN 50392) APPLICATION: G-14678 & G-14888 IN THE SE 1/4 SE 1/4 SECTION 34 & 1055' N & 130' W FROM SE COR. FLOWMETER IS 5' W FROM WELL.
- #10 (HARN 51682) APPLICATION: G-17574 & G-17575 IN THE SW 1/4 NE 1/4 SECTION 33 & 2605' S & 750' E FROM N 1/4 CORNER. FLOWMETER IS 5' N FROM WELL.
- #18 (HARN 52018) APPLICATION: G-17574 & G-17575 IN THE NE 1/4 NW 1/4 SECTION 33 & 5' S & 1320' W FROM N 1/4 COR. FLOWMETER IS 6' W FROM WELL.
- #22 (HARN 52481) APPLICATION: T-12267 IN THE NE 1/4 SW 1/4 SECTION 33 & 5' S & 1500' E FROM W 1/4 CORNER. FLOWMETER IS 5' W FROM WELL.

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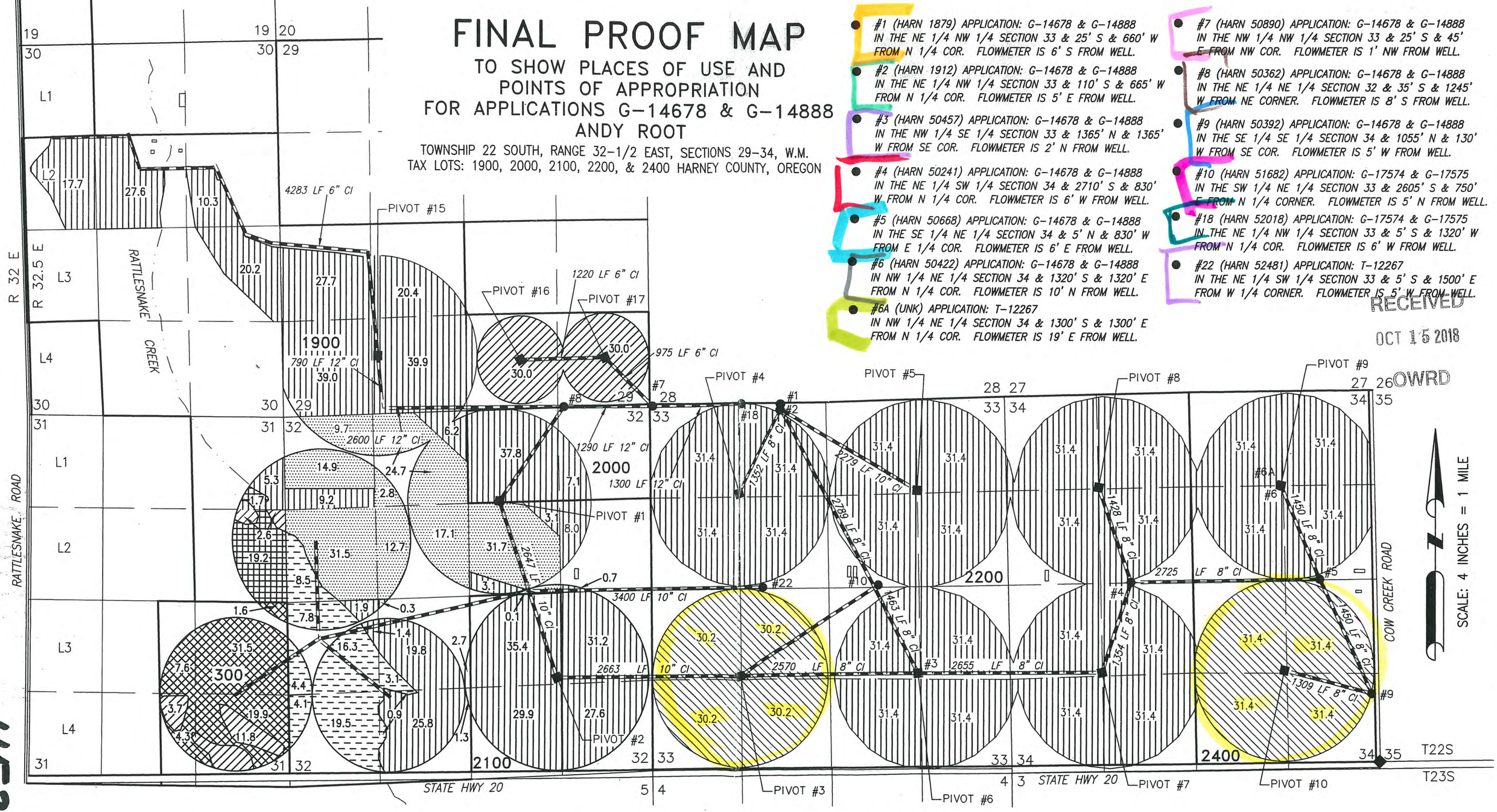

1152

PREPARED FOR:
ANDY ROOT
524 HIGHWAY 20 N
HINES, OR 97738

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

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

BURIED STEEL PIPE

78.1 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IR POU, AS SHOWN.
1214.3 ACRES IR FROM PERMIT APP. G-14678 REMAIN, AS SHOWN.

145.1 ACRES IS FROM PERMIT APP. G-14678 REMAIN, AS SHOWN. PRIMARY RIGHT IS C-19922.

42.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS & 21.7 ACRES IS FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14581.

246.4 ACRES IR FROM PERMIT APP. G-14888 REMAIN, AS SHOWN.

64.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14584.

20.9 ACRES IR FROM PERMIT APP. G-14678 TRANSFERRED TO IS, AS SHOWN. PRIMARY RIGHT IS C-14585.

THIS MAP IS FOR THE PURPOSE OF LOCATING A WATER RIGHT ONLY AND HAS NO INTENT TO PROVIDE LEGAL DIMENSIONS OR THE LOCATION OF PROPERTY LINES

MEMORANDUM

TO: JUSTIN IVERSON, GROUND WATER SECTION

FROM: CERTIFICATE SECTION – MARY BJORK

SUBJECT: MULTIPLE PUMP TEST EXEMPTION REQUEST FOR

PERMIT G-18090, APPLICATION G-14678

AND

PERMIT G-18091, APPLICATION G-14888

DATE: OCTOBER 18, 2018

The attached pump test exemption request was recently received for multiple wells and for two permits. We have retained the original for the application file.

S:\groups\wr\certs\Resource Center\pump test memo normal.doc

OREGON WATER RESOURCES DEPARTMENT

PUMP TEST MULTIPLE WELL EXEMPTION REQUEST FORM

Owner Name/Business Name	Phone No.	Additional Contact No.
Rattlesnake Creek Land & Cattle/Andy Root	541-573-3615	

Address			
524 Hwy 20 N			
City	State	Zip	E-Mail
Hines	OR	97738	

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 51275	L-72705	Andy Root	3/9/2010	G- 14743	G-13602	T-11348	

(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)
22S	33E	30	WM	2508'N & 780'E SW Cor S30	43 37'46.9 N	118 42'19.2W

2. List each well and associated water right(s) for which you are requesting a multiple well exemption. This does *not* include the tested well. If a well is listed on more than one water right, be sure to include them all here:

	Well Log # (ex. MARI 99999)	Well Tag # (ex. L-999999)	Owner Well Name or #	Application	Permit	Transfer

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OREGON WATER RESOURCES DEPARTMENT

PUMP TEST MULTIPLE WELL EXEMPTION REQUEST FORM

1	HARN 1879	L-35539	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
2	HARN 1912	L-35536	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
3	HARN 50457	L-35537	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
4	HARN 50241	L-16814	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
5	HARN 50668	L-35538	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
6	HARN 50422	L-28438	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
6@	UNK	UNK		G-14678/G-14888	G-18090/G-18091	T-12267
7	HARN 50890	L-51625	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
8	HARN 50362	L-21257	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
9	HARN 50392	L-28434	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
10	HARN 51682	L-102504	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
18	HARN 52018	L-113433	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267
22	HARN 52481	L-120015	Andy Root	G-14678/G-14888	G-18090/G-18091	T-12267

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(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)
1	22S	32.5E	33	WM	25'S & 600'W fr N1/4 cor, sec 33	43 37'39.8"N	118 46'50.2"W
2	22S	32.5E	33	WM	110'S & 665'W fr N1/4 cor, sec 33	43 37'27.1"	118 46'50.2"
3	22S	32.5E	33	WM	1365'N & 1365'W fr SE cor, sec 33	43 37'01.6"	118 46'24.0"
4	22S	32.5E	34	WM	2710'S & 830'W fr N1/4 cor, sec 34	43 37'14.1"	118 45'41.9"
5	22S	32.5E	34	WM	5'N & 830'W fr E1/4 cor, sec 34	43 37'13.9"	118 45'04.8"
6	22S	32.5E	34	WM	1320'S & 1320'E fr N1/4 cor, sec 34	43 37'27.2"	118 45'12.4"
6@	22S	32.5E	34	WM	1300'S & 1300'E fr N1/4 cor, sec 34	43 37'27.2"	118 45'12.4"
7	22S	32.5E	33	WM	25'S & 45'E fr NW cor, sec 33	43 37'39.8"	118 47'16.2"
8	22S	32.5E	32	WM	35'S & 1245'W fr NE cor, sec 32	43 37'39.8"	118 47'33.2"
9	22S	32.5E	34	WM	1055'N & 130'W fr SE cor, sec 34	43 36'57.7	118 44'54.4"
10	22S	32.5E	33	WM	2605'S & 750'E fr N1/4 cor, sec 33	43 37'14.3"	118 46'31.9"
18	22S	32.5E	33	WM	5'S &1320'W fr N1/4 cor, sec 33	43 37'40.3"	118 46'57.8"
22	22S	32.5E	33	WM	5'S &1500'E fr W1/4 cor, sec 33	43 37'14.3"	118 46'49.4"

3. For each well listed in #1 and #2 above, attach all water well reports (i.e. well logs) or, if unavailable, other documentation showing the water-producing zones. If available, please attach a copy of the test and/or approval letter as well as a map showing the locations of all wells listed on this form.

OREGON WATER RESOURCES DEPARTMENT

PUMP TEST MULTIPLE WELL EXEMPTION REQUEST FORM

I hereby certify that the tested well and the well(s) requested for exemption(s) are under the ownership listed above and are located within 5 miles of each other.

SIGNATURE: Scott D. Montgomery DATE: 9/10/2018 LICENSE #: 81324

PRINTED NAME: Scott D. Montgomery (CIRCLE ONE). OWNER, EMPLOYEE, CWRE. RG (PE), WWC, PUMP INSTALLER

PHONE: (541) 548-5833 EMAIL: Scott@APEandS.com

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PUMP TEST FORM COVER SHEET

Well - 10

Well Owner:
Name: Andy Root
Address: 524 Hwy 20 N.
County: Harney
City: Hines State: Or Zip: 97738
Original owner (from well log): Andy Root

Well Location:
Township: 22 S (N/S) Range: 33 E (E/W)
Section: 30 ¼: ___ 1/16: ___ 1/64: ___
Well depth: 260 Date drilled: 6/1/06
Owners well no. (if any): ___
POD ID: L72705

Water Right Information:
Application: ___ Permit: ___ Certificate: ___
Is this well listed on more than one water right? ☐ Yes If yes, list additional water rights below:
Application: ___ Permit: ___ Certificate: ___
Application: ___ Permit: ___ Certificate: ___

Pump Test:
Test Conducted by: Matt Nonnenmacher Well Owner? ☐ Yes
Company: Clearwater Pump & Irrigation
Address: P.O. Box 393 Date of Test: 3/9/10
City: Burns State: or Zip: 97720
Daytime phone: 541-573-1260

Method of discharge measurement (see our brochure for acceptable methods): Flow Meter
Method of water-level measurement (pick one or enter other method used): Electric Tape.
Length of air line (if used): NA.

Pump type (pick one or enter other method used): Submersible
Was the pump test conducted during normal use of the well? ☐ Yes Note: No

Are you aware of any wells, other than domestic or stock wells, pumping within 1000 feet of the tested well during the test or within 24 hours prior to the test? ☐ Yes Note: No
If yes, give approximate distances to each and approximate pumping rate of each. If possible, indicate if they were turned on or off during the test: NA

Is there a lake, stream or other surface water body within ¼ mile of the tested well? ☐ Yes If yes, give approximate distance from the well and approximate elevation difference between the surface water and the well head. Approx. distance: NA ft Approx. elevation difference: NA ft

Well elevation is NA surface water body.

Description of measuring point (e.g. top port of 1 inch port pipe, west side) Top of well Plate on North Side of Pump
Measuring point distance Above land surface 1' 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
7:00 A.M.	26'	24'
7:20 A.M.	26'	24'
7:40 A.M.	26'	24'

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)
8:00 A.M.	585	GPM
9:00 A.M.	550	GPM
10:00 A.M.	550	GPM
11:00 A.M.	550	GPM
12:00 P.M.	550	GPM

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Time pump turned on: Date 3/9/10 Time 7:45 A.M.
Time pump turned off: Date 3/9/10 Time 12:15 P.M.
Total pumping time: 4 hours 30 minutes

Note: Well must be idle for at least 16 hours prior to the test.
Additional forms can be obtained from our web site at: http://www.wrd.state.or.us OWRD 2/9/2000

Required Signature: ___

Oregon Water Resources Department

PUMP TEST DATA SHEET

Application: G-14743 Permit: G-13602 Certificate: _____ Pod_Id: _____

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

Drawdown Data

Date	Time	Time Since Pump Started (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
3/9/10	8:00	0	52.33	50.33	
3/9/10	8:02	2	87.50	85.50	
3/9/10	8:04	4	132.66	130.66	
3/9/10	8:06	6	163.41	161.41	
3/9/10	8:08	8	163.41	161.41	
3/9/10	8:10	10	163.41	161.41	
3/9/10	8:15	15	163.41	161.41	
3/9/10	8:20	20	163.41	161.41	
3/9/10	8:25	25	163.41	161.41	
3/9/10	8:30	30	163.41	161.41	
3/9/10	8:35	35	163.41	161.41	
3/9/10	8:45	45	163.41	161.41	
3/9/10	9:00	60	163.41	161.41	
3/9/10	9:15	75	163.41	161.41	
3/9/10	9:30	90	163.41	161.41	
3/9/10	9:45	105	163.41	161.41	
3/9/10	10:00	120	163.41	161.41	
3/9/10	10:15	135	163.41	161.41	
3/9/10	10:30	150	163.41	161.41	
3/9/10	10:45	165	163.41	161.41	
3/9/10	11:00	180	163.41	161.41	
3/9/10	11:15	195	163.41	161.41	
3/9/10	11:30	210	163.41	161.41	
3/9/10	11:45	225	163.41	161.41	
3/9/10	12:00	240	163.41	161.41	
3/9/10	12:15	255	163.41	161.41	

Recovery Data

Date	Time	Time Since Pump Stopped (minutes)	Depth to Water Below Measuring Pt	Depth to Water Below Land Surface	Comments
3/9/10	12:15	0	129.16	127.16	
3/9/10	12:17	2	96.75	94.75	
3/9/10	12:19	4	63.58	61.58	
3/9/10	12:21	6	41.25	39.25	
3/9/10	12:23	8	34.33	32.33	
3/9/10	12:25	10	31.41	29.41	
3/9/10	12:30	15	29.50	27.50	
3/9/10	12:35	20	28.16	26.16	
3/9/10	12:40	25	27.75	25.75	
3/9/10	12:45	30	26.0	26.0	
3/9/10	1:00	45	26.0	26.0	

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Additional forms can be obtained from our web site at: http://www.wrd.state.or.us

HARN 51275

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

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

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

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

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

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

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 260 ft.
Explosives used ☐ Yes ☒ No Type Amount

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

How was seal placed: Method ☐A ☐B ☐C ☐D ☐E
☒ Other Mix + Trimmie
Backfill placed from ft. to ft. Material
Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	14	+2	58	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

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
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
400		260	2 hr.

Temperature of water 68 Depth Artesian Flow Found
Was a water analysis done? ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☒ No ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata:

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

(10) STATIC WATER LEVEL:
16 ft. below land surface. Date 6-1-06
Artesian pressure lb. per square inch Date

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

From	To	Estimated Flow Rate	SWL
97	248	400	16

(12) WELL LOG:
Ground Elevation

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

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

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
WWC Number
Signed Date

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(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 1521
Signed Donald M. Roof Date 6-7-06

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#10.

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

Harney 1879 HARN 1879

225/32½E 33 ba

(START CARD) # 20911

(1) OWNER:

Well Number: 2

Name ANDY ROOT

Address Green Willow Ranch Riley ore

City Burns State Oregon Zip 97720

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☒ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 500' ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
16"	0	30'	Cement	0	30'	
12¼"	30'	500'				

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

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12"	+1.8	360.6	.250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	None				☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s) 108.6'

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
		None				☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500GPM	240'		1 hr. 8 hrs

Temperature of water 57° Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Harney Latitude ' " Longitude ' "

Township 22S N or S, Range 32½ E E or W, WM.

Section 33 NE ¼ NW ¼

Tax Lot 2200 Lot Block Subdivision

Street Address of Well (or nearest address) Hwy 20

(10) STATIC WATER LEVEL:

14' ft. below land surface. Date 4-13-91

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 14'

From	To	Estimated Flow Rate	SWL
14'	30'	30 GPM	14'
200'	209'	200 GPM	14'
460'	475'	400 GPM	

(12) WELL LOG:

Ground elevation 4200'

Material	From	To	SWL
Top Soil (sandy)	0	5	
sand stone	5	9	
Clay Brown	9	35	
Green clay	35	200	
Clay stone	200	260	
Gray clay	260	300	
clay with sand	300	360	
Clay with course sand	360	400	
clay & course sand	400	460	
Gray Clay	460	500	

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WATER RESOURCES DEPT

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Date started 3-20-91 Completed 4-13-91

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number 142

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. work performed during this time is in compliance with Or construction standards. This report is true to the best of my belief.

WWC Nu

Signed Joe Valentine Date 4

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HARN 1879

For Official Use Only:

Received Date:	County Well Log ID #	Well Identification Tag #
	Harn 1879	35539

WELL IDENTIFICATION APPLICATION FORM

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WATER RESOURCES DEPT.
SALEM, OREGON

BUYER/CURRENT WELL OWNER:

Name: Andy Root

Mailing Address: HC 73 174 Harney Road

City: Burns State: OR Zip: 97720 Phone: (541) 493-3645

WELL LOCATION:

County: Harney Owner's Well Number: #7

Township: 22 N or S, Range: 32½ E or W, Section: 30 SW 1/4 NE 1/4

Tax Lot Number: 1900 Type of Well: water supply IRR monitoring _____

Street Address of Well (if different from above): _____

WELL INFORMATION: (do not complete remainder of application if well log is available)

Start Card Number: _____ Approx. Construction Date: _____

Well Constructor: Joe Valentine

Name of Owner at Time of Construction: _____

Well Depth (in feet): _____ Static Water Level (in feet): _____

Diameter of Exposed Well Casing (in inches): _____

Does this well have a formal water right associated with it? Yes: Yes No: _____

If Yes: Application #: G-14678 Permit #: G-13539 Certificate #: _____

Please Return Completed Form to:

Lisa Juul
Well Identification Program
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

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STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

Harn HARN 1912 1912

DEC 23 1991

22S/32½E/33b

(START CARD) # 26876

(1) OWNER:

Well Number: 2 WATER

Name ANDY ROOT

Address P.O. Box 946

City Burns State Oregon Zip 97720

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☒ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 380' ft.

Explosives used Yes ☐ No ☐ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
20"	0	30	cement	0	30'	20
12"	30	380				

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

☐ Other

Backfill placed from ft. to ft. Material

Gravel placed from ft. to ft. Size of gravel

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:	4 1/8"	160	250		☒	☐	☒	☐
					☐	☐	☐	☐

Final location of shoe(s) 158½'

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
		NONE				☐	☐

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
2000	100'		3 0 hr.

Temperature of water 55 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Harney Latitude Longitude

Township 22S ☒ N or S, Range 32½ E E or ~~W~~, WM.

Section 33 NW ¼ NW ¼

Tax Lot 22-32½2200 Block Subdivision

Street Address of Well (or nearest address) Hwy 20 Hc Cow Ck Road

(10) STATIC WATER LEVEL:

20 ft. below land surface. Date 3-10-91

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 20'

From	To	Estimated Flow Rate	SWL
20	30	10	20
190	193	20	20
340	350	2000	20

(12) WELL LOG:

Ground elevation

Material	From	To	SWL
Top Soil (sandy)	0	5	
Clay (Gray)	5	60	20
Clay (Green)	60	190	20
Clay (Black)	190	250	
Clay (Green)	250	340	
Gravel	340	350	20
Course Sand	350	360	
Rock Solid	360	380	20
This well was started by Larry Root Then N finised The well because Larry Root Died			
Joe Valentine 1435			

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OWRD

Date started 3-10-91 Completed 11-14-91

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. all work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1435

Signed Joe Valentine Date 11-14-91

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HARN 1912

For Official Use Only:

Received Date:	County Well Log ID #	Well Identification Tag #
	HARN 1912	35536

WELL IDENTIFICATION APPLICATION FORM

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WATER RESOURCES DEPT.
SALEM, OREGON

BUYER/CURRENT WELL OWNER:

Name: Andy Root

Mailing Address: HC 73 174 Harney Road

City: Burns State: OR Zip: 97720 Phone: (541) 493-3685

WELL LOCATION:

County: Harney Owner's Well Number: #2

Township: 22 N or S, Range: 32½ E or W, Section: 33 NE 1/4 NW 1/4

Tax Lot Number: 2200 Type of Well: water supply IRR monitoring

Street Address of Well (if different from above):

WELL INFORMATION: (do not complete remainder of application if well log is available)

Start Card Number: Approx. Construction Date:

Well Constructor:

Name of Owner at Time of Construction:

Well Depth (in feet): Static Water Level (in feet):

Diameter of Exposed Well Casing (in inches):

Does this well have a formal water right associated with it? Yes: yes No:

If Yes: Application #: G-14678 Permit #: G-13539 Certificate #:

Please Return Completed Form to:

Larry D. McQueen
Well Identification Program
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

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

HARN 50457

FEB - 8 1998

WATER RESOURCES DEPT.
SALEM, OREGON

HARN
50457

(START CARD) # 67723

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

(1) OWNER: Well Number 3

Name ANDY ROOT

Address H.C. 73, 174 HARNEY Rd.

City BURNS State OR Zip 97720

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☒ Cable ☐ Auger

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation

☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 425 ft.

Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
20"	0	22'	cement	0	22'	32

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

☐ Other

Backfill placed from _____ ft. to _____ ft. Material _____

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	14"	+1'	160	.250	☐	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
	NONE					☐	☐
						☐	☐
						☐	☐

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
1400	160'		1 hr.

Temperature of water 56 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

Did any strata contain water not suitable for intended use? ☐ Too little

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County Harney Latitude _____ Longitude _____

Township 22 ☐ N or ☒ S Range 32½ ☐ E or ☒ WM.

Section 34 SE 1/4 SE 1/4

Tax Lot _____ Lot _____ Block _____ Subdivision _____

Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:

30 ft. below land surface. Date 7-28-95

Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 30

From	To	Estimated Flow Rate	SWL
30	31	5 GPM	30
91	92	40 GPM	30
397	409	1000 GPM	30

(12) WELL LOG:

Ground Elevation _____

Material	From	To	SWL
Topsoil - Sandy	0	5'	
GRAY CLAY	5'	73'	30
BLUE CLAY	73'	91'	30
SAND STONE	91'	238'	30
BLUE CLAY	238'	312'	30
SAND STONE	312'	397'	30
FINE SAND W/ GRAVEL	397'	409'	30
GRAY CLAY	409'	425'	30

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Date started _____ Completed _____

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____

Signed _____ Date _____

(bonded) Water Well Constructor Certification:

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

WWC Number 1435

Signed Jay Valentine Date 7-28-9

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For Official Use Only:

Received Date:	County Well Log ID #	Well Identification Tag #
	"HARN 50457"	35537

WELL IDENTIFICATION APPLICATION FORM

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WATER RESOURCES DEPT.
SALEM, OREGON

BUYER/CURRENT WELL OWNER:

Name: Andy Root

Mailing Address: HC 73 174 Harney Road

City: Burns State: OR Zip: 97720 Phone: (541) 493-3645

WELL LOCATION:

County: Harney Owner's Well Number: # 3

Township: 22 N or S, Range: 32½ E or W, Section: 33 SE 1/4 SE 1/4

Tax Lot Number: 2200 Type of Well: water supply LR monitoring

Street Address of Well (if different from above):

WELL INFORMATION: (do not complete remainder of application if well log is available)

Start Card Number: 67723 Approx. Construction Date:

Well Constructor:

Name of Owner at Time of Construction:

Well Depth (in feet): Static Water Level:

Diameter of Exposed Well Casing (in inches):

Does this well have a formal water right associated with it? Yes: Yes No:

If Yes: Application #: G-14678 Permit #: G-13539 Certificate #:

Please Return Completed Form to:

Lisa Juul
Well Identification Program
Oregon Water Resources Department
158 12th Street NE
Salem, OR 97310

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WATER RESOURCES DEPT.
SALEM, OREGON

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

WELL I.D. # L L16814
START CARD # 098474

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

(1) OWNER: Well Number

Name Andy Root
Address PO Box 3
City Burns State OR Zip 97720

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☒ Cable ☐ Auger
☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No Depth of Completed Well 450 ft.
Explosives used ☐ Yes ☒ No Type Amount

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

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	14	+1	120	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☐ Perforations Method
☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

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

☐ Pump ☒ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
100	2		1 hr.

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

(9) LOCATION OF WELL by legal description:

County Harney Latitude Longitude
Township 22S N or S Range 32½ E E or W WM
Section 34 NE 1/4 SW 1/4
Tax Lot 2200 Lot Block Subdivision
Street Address of Well (or nearest address) Hwy 20 W

(10) STATIC WATER LEVEL:

25 ft. below land surface. Date 12-3-97
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 160

From	To	Estimated Flow Rate	SWL
160	410	1000	25

(12) WELL LOG:

Ground Elevation

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

Date started 11-25-97 Completed 12-3-97

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:

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

WWC Number 1424
Signed Timothy K Riley Date 12-5-97

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ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

WATER WELL REPORT
STATE OF OREGON

RECEIVED HARN 50668
FEB - 2 1998
WATER RESOURCES DEPT.
SALEM, OREGON

State Well No. 20/24/27
State Permit No. 0

(1) OWNER:
Name Andy Root
Address HC 77. 174 Harney, Rd.
City Burns State OR 97720

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☐ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☒ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐
Thermal: Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Threaded ☐ Plastic ☐ Welded ☒
12" Diam. from +1 ft. to 159 ft. Gauge 250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? owner
800 gal./min. with 160 ft. drawdown after 10 hrs.
" " "
Air test gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 15 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 34 sacks
How was cement grout placed? Grout pumped to top of ground with grout pipe
240 A.R
Was pump installed? Yes Type Turbine HP 75 Depth 140 ft.
Was a drive shoe used? ☒ Yes ☐ No Plugs no Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Harney Driller's well number
N-W ¼ SE ¼ Section 34 T. 22 S R. 32½ E W.M.
Tax Lot # 24-00-2100 Lot Blk Subdivision
Address at well location: Cow Creek Road
3/4 mile North of Hyway 20

(11) WATER LEVEL: Completed well.
Depth at which water was first found 28 ft.
Static level 28 ft. below land surface. Date 3-28-91
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 12"
Depth drilled 750 ft. Depth of completed well 750 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Gray Clay	2	96	28
Sand Stone	96	154	
Green Clay	154	491	
Brown Clay	491	537	
Green Clay	537	691	
Blue Clay	691	736	
Small Gravel with Sand	736	742	28
Green Clay	742	750	28

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

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] (Drilling Machine Operator) Date , 19
Drilling Machine Operator's License No.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Larry Root (Person, firm or corporation) (Type or print)
Address
[Signed] (Water Well Contractor)
Contractor's License No. 791 Date 3-28 19 91

NOTICE TO WATER WELL CONTRACTOR
WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310
SP*12658-689

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MAY 14 1999

WATER RESOURCES DEPT.
SALEM, OREGON

HARN
50422

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

WELL I.D. # L L28438
START CARD # 114670

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

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

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

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

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

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

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
18	0	18	cement	0	18	1½ yards
12	18	400				

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	12	+1	80	.250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

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

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500	165	185	6 1 hr.

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

(9) LOCATION OF WELL by legal description:
County Harney Latitude Longitude
Township 22S N or S Range 32½E E or W. WM.
Section 34 NW 1/4 NE 1/4
Tax Lot 2400 Lot Block Subdivision
Street Address of Well (or nearest address) Cow Creek Rd

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

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

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

(12) WELL LOG:
Ground Elevation

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

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

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1424
Signed Timothy K. Riley Date 5-11-99

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APR 19 2004

WATER RESOURCES DEPT
SALEM, OREGON

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

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

WELL I.D. # L 61625
START CARD # w 129278

(1) LAND OWNER Well Number
Name Andy Root
Address P.O. Box 3
City Burns State Or Zip 97720

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

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

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

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

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
18	0	30	Cement + Bent	0	30	4 yds
14	30	400		—		—

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	14	+2	78	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

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
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500+	300	400	1 hr

Temperature of water 68 Depth Artesian Flow Found —
Was a water analysis done? ☒ No ☐ Yes By whom
Did any strata contain water not suitable for intended use? ☒ No ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other
Depth of strata

(9) LOCATION OF WELL by legal description:
County Harney Latitude Longitude
Township 22 S N or S Range 32 ½ E or W. WM
Section 32 NE 1/4 NE 1/4
Tax Lot 2000 Lot Block Subdivision
Street Address of Well (or nearest address) Hy 20 E
Burns, Or. 97720

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

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

From	To	Estimated Flow Rate	SWL
330	370	500+	100

(12) WELL LOG:
Ground Elevation

Material	From	To	SWL
Top Soil	0	7	—
Grey Clay	7	17	—
Sand	17	26	—
Brown Green Grey + Blue Clay Stone	26	330	100
Dark Grey Clay w. Cinders + Voids	330	390	100
	345		
Blue Clay	390	400	100

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SALEM, OREGON

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MAR 08 2004
WATER RESOURCES DEPT
SALEM, OREGON

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

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief
WWC Number
Signed Date

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(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief
WWC Number 151
Signed Donald H. Read Date 7-1-02

ORIGINAL – WATER RESOURCES DEPARTMENT FIRST COPY – CONSTRUCTOR SECOND COPY – CUSTOMER

HARN 51682

12-22-2009

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

WELL LABEL # L 102504

START CARD # 1008916

(1) LAND OWNER

Owner Well I.D. Twin Sheds

First Name Andy Last Name Root

Company Rattlesnake Ranch

Address 524 N Hwy 20

City 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 410.00 ft.

BORE HOLE Dia	From	To	SEAL Material	From	To	Amt	sacks/ lbs
16	0	18	Bentonite	0	18	30	S
12	18	410					

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

☒ Other poured dry and tam

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: ☐ Yes Type Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	12	☒	2	80	.250	◉	○	☒	☐
○	○		☐				○	○	☐	☐
○	○		☐				○	○	☐	☐
○	○		☐				○	○	☐	☐
○	○		☐				○	○	☐	☐

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

Temp casing ☐ Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method

Screens Type Material

Perf/S creen	Casing/ Liner	Screen Dia	From	To	Scrn/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)
500		100	1

Temperature 58 °F Lab analysis ☐ Yes By

Water quality concerns? ☐ Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 22.00 S N/S Range 32.50 E E/W WM

Sec 35 SW 1/4 of the NE 1/4 Tax Lot 2200

Tax Map Number Lot

Lat ° 0 ' " or DMS or DD

Long ° 0 ' " or DMS or DD

○ Street address of well ◉ Nearest address

72163 Rattlesnake Road

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Predeepening			☐	
Completed Well	12-04-2009		☒	60

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES Depth water was first found 60

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
12-04-2009	60	410	500		☒	60
					☐	
					☐	
					☐	
					☐	

(11) WELL LOG

Ground Elevation

Material	From	To
topsoil, sandy loam	0	1
clybrown	1	25
clay grey	25	170
clystone green	170	201
pumice grey claystone	201	230
clystone green	230	245
pumice grey	245	280
rock black	280	300
claystone green	300	340
sandstone brn	340	360
pumice brn	360	410

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WATER RESOURCES DEPT
SALEM, OREGON

Date Started 12-02-2009 Completed 12-04-2009

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

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License Number Date

Electronically Filed

Signed

(bonded) Water Well Constructor Certification

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

License Number 1424 Date 12-22-2009

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

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 51682

NESE NWSW NESW NWSE NESE NWSW

29 28 27

SESE SWSW SESW SWSE SESE SWSW

NENE NWNW NENW NWNE NENE NWNW

TAXLOT 2200

22 S 32 1/2 E

SENE SWNW SENW SWNE SENE SWNW

Andy Root

EXEMPT WELL: HARN 51682

32 33 34

X

Well Located at:
43.62067; -118.77546

NESE NWSW NESW NWSE NESE NWSW

SESE SWSW SESW SWSE SWSW

RECEIVED

MAR 09 2011

WATER RESOURCES DEPT
SALEM, OREGON

NE 5 NWNW 4 NENW 23 S 32 1/2 E NWNE NENE NWNW 3

SENE SWNW

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OCT 15 2018

OVER

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

HARN 52018
2/4/2014

WELL I.D. LABEL# L 113433
START CARD # 1022046
ORIGINAL LOG #

(1) LAND OWNER

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

(2) TYPE OF WORK

[X] 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

[X] Rotary Air [ ] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [X] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 335.00 ft.

BORE HOLE

Dia	From	To
18	0	18
14	18	335

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	18	35	S

How was seal placed: Method [ ] A [ ] B [ ] C [ ] D [ ] E
[X] 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
◉	○	14	X	1	105	.250	◉	○	X	
○	○						○	○		
○	○						○	○		
○	○						○	○		
○	○						○	○		

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

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Material

Perf/ Screen	Casing/ 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 ○ Bailer ◉ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/ Pump depth	Duration (hr)
1000		330	1

Temperature 60 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County HARNEY Twp 22.00 S N/S Range 32.50 E E/W WM
Sec 33 NE 1/4 of the NW 1/4 Tax Lot 2200
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
◉ Street address of well ○ Nearest address
72163 RATTLESNAKE RD
BURNS, OREGON

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	1/27/2014			62

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 62.00

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

(11) WELL LOG

Ground Elevation

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

Date Started 1/22/2014 Complete 1/27/2014

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

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License Number Date
Signed

(bonded) Water Well Constructor Certification

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

License Number 1424 Date 2/4/2014
Signed TIMOTHY K RILEY (E-filed)
Contact Info (optional) Tim Riley 541-573-5695

ORIGINAL - WATER RESOURCES DEPARTMENT

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

HARN 52481

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

3/28/2016

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

(1) LAND OWNER

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

(2) TYPE OF WORK

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

(2a) PRE-ALTERATION

	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
Casing:									

	Material	From	To	Amt	sacks/lbs
Seal:					

(3) DRILL METHOD

[X] Rotary Air [X] Rotary Mud [ ] Cable [ ] Auger [ ] Cable Mud
[ ] Reverse Rotary [ ] Other

(4) PROPOSED USE

[ ] Domestic [X] Irrigation [ ] Community
[ ] Industrial/ Commericial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 450.00 ft.

BORE HOLE

Dia	From	To
20	0	131
14	131	300
12	300	450

SEAL

Material	From	To	Amt	sacks/lbs
Cement	0	65	70	S
		Calculated	57.32	
		Calculated		

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

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
(•)	( )	14	[X]	2	131	.250	(•)	( )	[X]	[ ]
( )	( )		[ ]				( )	( )	[ ]	[ ]
( )	( )		[ ]				( )	( )	[ ]	[ ]
( )	( )		[ ]				( )	( )	[ ]	[ ]
( )	( )		[ ]				( )	( )	[ ]	[ ]

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

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Material

Perf/ Screen	Casing/ 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 ( ) Bailer (•) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
100		450	2

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

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County HARNEY Twp 22.00 S N/S Range 32.50 E E/W WM
Sec ~~33~~ 29 NE 1/4 of the ~~SW~~ SE 1/4 Tax Lot 1900
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
(•) Street address of well ( ) Nearest address
72163 RATTLESNAKE RD BURNS OR 97720

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration			[ ]	
Completed Well	3/28/2016		[ ]	61

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 15.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
3/21/2016	15	50	20		[ ]	2
3/28/2016	140	450	1000		[ ]	61
					[ ]	
					[ ]	
					[ ]	

(11) WELL LOG

Ground Elevation

Material	From	To
sandy soil	0	2
tan clay	2	8
sandy brown clay	8	17
sand and grey clay	17	50
fractured green grey claystone	50	450

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

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief

License Number 1739 Date 3/28/2016

Signed CHARLES M FRY (E-filed)

(bonded) Water Well Constructor Certification

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

License Number 1355 Date 3/28/2016

Signed ARTHUR L FRY (E-filed)

Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

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

RECEIVED

Harn 50362

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

NOV 23 1998

WATER RESOURCES DEPT.
SALEM, OREGON

Instructions for completing this report are

WELL I.D. # L L21297
START CARD # 114679

(1) OWNER: Well Number

Name Andy Root
Address PO Box 3
City Burns State OR Zip 97720

(2) TYPE OF WORK

[X] New Well [ ] Deepening [ ] Alteration (repair/recondition) [ ] Abandonment

(3) DRILL METHOD:

[ ] Rotary Air [ ] Rotary Mud [X] Cable [ ] Auger
[ ] Other

(4) PROPOSED USE:

[ ] Domestic [ ] Community [ ] Industrial [X] Irrigation
[ ] Thermal [ ] Injection [ ] Livestock [ ] Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval [ ] Yes [X] No Depth of Completed Well 405 ft.
Explosives used [ ] Yes [X] No Type Amount

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

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	16	+1	80	250	[X]	[ ]	[X]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]
Liner:					[ ]	[ ]	[ ]	[ ]
					[ ]	[ ]	[ ]	[ ]

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

[ ] Perforations Method
[ ] Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]
						[ ]	[ ]

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

[X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
3600	77	120	1 hr.

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

(9) LOCATION OF WELL by legal description:

County Harney Latitude Longitude
Township 22S N or S Range 32½E E or W. WM.
Section 32 NE 1/4 NE 1/4
Tax Lot 2000 Lot Block Subdivision
Street Address of Well (or nearest address) Hwy 20 E

(10) STATIC WATER LEVEL:

43 ft. below land surface. Date 10-19-98
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 32

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

(12) WELL LOG:

Ground Elevation

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

Date started 9-25-98 Completed 10-19-98

(unbonded) Water Well Constructor Certification:

I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number
Signed Date

(bonded) Water Well Constructor Certification:

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

WWC Number 1424
Signed Timothy K. Riley Date 11-18-98

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HARN
50392

FEB 26 1999

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

WATER RESOURCES DEPT.
SALEM, OREGON

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

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

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

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

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

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval ☐ Yes ☒ No Depth of Completed Well 425 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE Diameter	From	To	SEAL Material	From	To	Sacks or pounds
18	0	18	cement	0	18	20 sacks
14	18	425				

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

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	14	+1	78	250	☒	☐	☒	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
					☐	☐	☐	☐
Liner:					☐	☐	☐	☐
					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						☐	☐
						☐	☐
						☐	☐
						☐	☐
						☐	☐

(8) WELL TESTS: Minimum testing time is 1 hour
☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
750	180	200	1 hr.

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

(9) LOCATION OF WELL by legal description:
County Harney Latitude _____ Longitude _____
Township 22S N or S Range 32½E E or W. WM.
Section 34 SE 1/4 SE 1/4
Tax Lot 2400 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) Cow Creek Rd

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

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

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

(12) WELL LOG:
Ground Elevation _____

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

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

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.

WWC Number _____
Signed _____ Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 1424
Signed Timothy K Riley Date 2-23-99

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

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WATER WELL REPORT
STATE OF OREGON

RECEIVE HARN 50668
FEB - 2 1998
WATER RESOURCES DEPT.
SALEM, OREGON

#4

State Well No. 60/24/2
State Permit No. 0

(1) OWNER:
Name Andy Root
Address HC 73. 174 Harney Rd.
City Burns State OR 97720

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Rotary Air ☐ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☒ Bored ☐

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐
Thermal: ☐ Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Threaded ☐ Plastic ☐ Welded ☒
12" Diam. from +1 ft. to 159 ft. Gauge 250
" Diam. from ft. to ft. Gauge

LINER INSTALLED:
" Diam. from ft. to ft. Gauge

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Diam. Slot Size Set from ft. to ft.
Diam. Slot Size Set from ft. to ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? owner
800 gal./min. with 160 ft. drawdown after 10 hrs.
" " "
Air test gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:
Special standards: Yes ☐ No ☒
Well seal—Material used Cement
Well sealed from land surface to 20 ft.
Diameter of well bore to bottom of seal 15 in.
Diameter of well bore below seal 12 in.
Number of sacks of cement used in well seal 34 sacks
How was cement grout placed? Grout Pumped To Top Of Ground With Grout Pipe
240 A.R
Was pump installed? Yes Type Turbine HP 75 Depth 140 ft.
Was a drive shoe used? ☐ Yes ☐ No Plugs No Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.

(10) LOCATION OF WELL:
County Harney Driller's well number
N-W ¼ SE ¼ Section 34 T. 22S R. 32½ E W.M.
Tax Lot # 24-00-2200 Lot Blk Subdivision
Address at well location: Cow Cr Road
3/4 mile North of Hyway 20

(11) WATER LEVEL: Completed well.
Depth at which water was first found 28 ft.
Static level 28 ft. below land surface. Date 3-28-91
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 12"
Depth drilled ~~250~~ 750 ft. Depth of completed well 750 ft.
Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.

MATERIAL	From	To	SWL
Top Soil	0	2	
Gray Clay	2	96	28
Sand Stone	96	154	
Green Clay	154	491	
Brown Clay	491	537	
Green Clay	537	691	
Blue Clay	691	736	
Small Gravel with Sand	736	742	30
Green Clay	742	750	2

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

Drilling Machine Operator's Certification:
This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.
[Signed] ..... Date ....., 19.....
(Drilling Machine Operator)
Drilling Machine Operator's License No.

Water Well Contractor's Certification:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Name Larry Root
(Person, firm or corporation) (Type or print)
Address
[Signed] (Water Well Contractor)
Contractor's License No. 491 Date 3-28 19 91

NOTICE TO WATER WELL CONTRACTOR
WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310
SP*12658-620

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Checklist for Claims of Beneficial Use Received at CSG Counter

Application # G-14888	WRD Reviewer Mary Bjorge
Transfer #	
Date Received 10-15-18	
CWRE Name Scott Montgomery	

Priority Date: Dec. 22, 1998 & March 12, 1999

Fees Required:

(YES) NO A fee of $200 must accompany this form for permits with priority dates of July 9, 1987, or later.

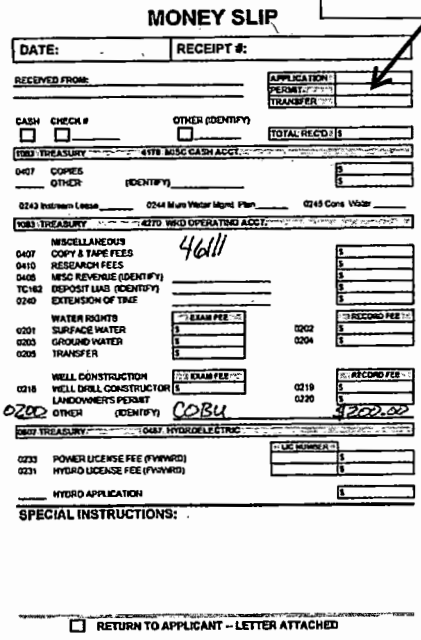
YES NO A fee of $200 must accompany this form for any transfers including a water right with a priority date of July 9, 1987, or later.

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))


MONEY SLIP

DATE: RECEIPT #:

RECEIVED FROM: APPLICATION: PERMIT: TRANSFER:

CASH CHECK # OTHER (IDENTIFY) TOTAL RECD: $

1083 TREASURY 4170 MISC CASH ACCT.

0407 COPIES $
OTHER (IDENTIFY) $

0243 Instream Lease 0244 Mum Water Mgmt Plan 0245 Conv Water

1083 TREASURY 4270 WRD OPERATING ACCT.

MISCELLANEOUS 4611
0407 COPY & TAPE FEES
0410 RESEARCH FEES
0408 MISC REVENUE (IDENTIFY)
TC162 DEPOSIT LIAB (IDENTIFY)
0240 EXTENSION OF TIME

WATER RIGHTS — EXAM FEE — RECORD FEE
0201 SURFACE WATER 0202
0203 GROUND WATER 0204
0205 TRANSFER

WELL CONSTRUCTION — EXAM FEE — RECORD FEE
0218 WELL DRILL CONSTRUCTOR 0219
LANDOWNER'S PERMIT 0220
0200 OTHER (IDENTIFY) COBU $200.00

0487 TREASURY 0487 HYDROELECTRIC

LIC NUMBER
0233 POWER LICENSE FEE (FYWRD)
0231 HYDRO LICENSE FEE (FYWRD)
HYDRO APPLICATION $

SPECIAL INSTRUCTIONS:

RETURN TO APPLICANT -- LETTER ATTACHED

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)

Groundwater File Review:

Pump Test Required? (YES) NO Pump Test Submitted? YES NO*

Pump Test Multiple Well Exemption Request Form Rec'd & forwarded to GW 10-18-18

*If no, include pump test flyer w/acknowledgment letter

COBU MAP # 1152

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

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TRANSMITTAL

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

Date10/10/2018
Attention: COBU
RE: COBU's G-18090 & 18091

[X] Prints [] Plans [] Plat [] Specifications.

Attached are two Claim of Beneficial Use's & Final Proof Map's for T-12267, Permits G-18090 & 18091 for Andy Root.

If you have any questions please call or email me.

Copies	No.	Description
1	1	Claim of Beneficial Use (G-18090) (35 pages letter bond)
1	2	Final Proof map (for both permits) (1 page mylar)
1	3	Pump Test Exemption fm w/well logs (for both permits) (18 pages letter bond)
1	4	Aerial Imagery (for both permits) (1 page letter bond)
1	5	2 Checks (1 for G-18090 & 1 for 18091 for $400
1	6	Claim of Beneficial Use (G-18091) ((34 pages letter bond)

Signed: Denise Montgom

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-14888	G-18091	T-12267

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2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME	PHONE NO.	ADDITIONAL CONTACT NO.
Rattlesnake Creek Land & Cattle, LLC/Andy Root	**541-573-3615**	

ADDRESS			
524 Hwy 20 N			
CITY	STATE	ZIP	E-MAIL
Hines	**OR**	**97738**	

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each*** *permit holder of record must sign this form.*

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

PERMIT HOLDER OF RECORD		
Same as above		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection: **August 21, 2018**

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Andy Root	**August 21, 2018**	**Owner**

6. County: **Harney**

7. If any property described in the place of use of the permit is excluded from this report, identify the owner of record for that property (ORS 537.230(4)):

OWNER OF RECORD		
NA		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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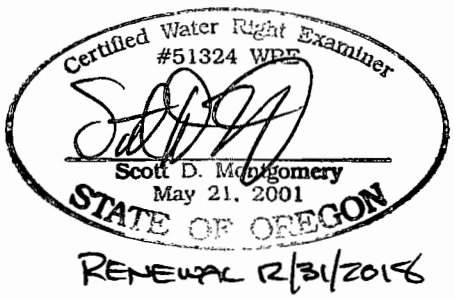
SECTION 2
SIGNATURES

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		PHONE NO.	ADDITIONAL CONTACT NO.
Scott D. Montgomery		**541-548-5833**	**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	**Permit Holder**	9-11-18

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SECTION 3

CLAIM DESCRIPTION

1. Point of appropriation name or number:

POINT OF APPROPRIATION (POA) NAME OR NUMBER (CORRESPOND TO MAP)	WELL LOG ID # FOR ALL WORK PERFORMED ON THE WELL (IF APPLICABLE)	WELL TAG # (IF APPLICABLE)
#1	**HARN 1879**	**L-35539**
#2	**HARN 1912**	**L-35536**
#3	**HARN 50457**	**L-35537**
#4	**HARN 50241**	**L-16814**
#5	**HARN 50668**	**L-35538**
#6	**HARN 50422**	**L-28438**
#6a		
#7	**HARN 50890**	**L-51625**
#8	**HARN 50362**	**L-21257**
#9	**HARN 50392**	**L-28434**
#10	**HARN 51682**	**L-102504**
#18	**HARN 52018**	**L-113433**
#22	**HARN 52481**	**L-120015**

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

2. Point of appropriation source, if indicated on permit:

POA NAME OR NUMBER	SOURCE BASIN LOCATED WITHIN	TRIBUTARY
#1	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#2	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#3	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#4	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#5	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#6	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#6a	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#7	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#8	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#9	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#10	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#18	**Rattlesnake Creek Basin**	**Malheur Lake Basin**
#22	**Rattlesnake Creek Basin**	**Malheur Lake Basin**

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

POA Name or Number	Uses	If Irrigation, List Crop Type	Season or Months When Water was Used	Actual Rate or Volume Used (CFS, GPM, or AF)
#1	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**1.45 cfs**
#2	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**0.75 cfs**
#3	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**1.21 cfs**
#4	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**1.69 cfs**
#5	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**0.73 cfs**
#6	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**0.62 cfs**
#6a	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**0.21 cfs**
#7	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**1.03 cfs**
#8	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**1.74 cfs**
#9	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**0.83 cfs**
#10	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**2.72 cfs**
#18	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**1.61 cfs**
#22	**IR**	**Alfalfa/Hay**	**Mar 1 – Oct 15**	**2.11 cfs**
Total Quantity of Water Used				**16.70 cfs**

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

Water is pumped from all 13 wells into a combined irrigation system that conveys by buried pipe to 2 center pivot sprinklers.

5. Variations:

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

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

The permit allowed 15 points of appropriation. The water user only developed 13 wells.

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
#1	3.08 cfs*	1.49 CFS	1.45 cfs	IR	246.4**	246.4**
#2	3.08 cfs*	0.75 cfs		IR	246.4**	246.4**
#3	3.08 cfs*	1.35 cfs	1.21 cfs	IR	246.4**	246.4**
#4	3.08 cfs*	1.67 cfs	1.69 cfs	IR	246.4**	246.4**
#5	3.08 cfs*	1.09 cfs	0.73 cfs	IR	246.4**	246.4**
#6	3.08 cfs*	1.02 cfs	0.62 cfs	IR	246.4**	246.4**
#6a	3.08 cfs*	0.34 cfs	0.21 cfs	IR	246.4**	246.4**
#7	3.08 cfs*	1.03 cfs		IR	246.4**	246.4**
#8	3.08 cfs*	2.06 cfs	1.74 cfs	IR	246.4**	246.4**
#9	3.08 cfs*	1.01 cfs	0.83 cfs	IR	246.4**	246.4**
#10	3.08 cfs*	2.04 cfs	2.72 cfs	IR	246.4**	246.4**
#18	3.08 cfs*	1.71 cfs	1.61 cfs	IR	246.4**	246.4**
#22	3.08 cfs*	3.13 cfs	2.11 cfs	IR	246.4**	246.4**

***All wells can combine to provide 3.08 cfs**

****All Wells contribute to entire POU**

SECTION 4

SYSTEM DESCRIPTION

Are there multiple POAs? **YES**

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

#1 (HARN 1879)

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
22S	32.5E	WM	33	NE SW			IR	30.2	
22S	32.5E	WM	33	NW SW			IR	30.2	
22S	32.5E	WM	33	SW SW			IR	30.2	
22S	32.5E	WM	33	SE SW			IR	30.2	
22S	32.5E	WM	34	NE SE			IR	31.4	
22S	32.5E	WM	34	NW SE			IR	31.4	
22S	32.5E	WM	34	SW SE			IR	31.4	
22S	32.5E	WM	34	SE SE			IR	31.4	
Total Acres Irrigated								246.4	

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

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
UNK	UNK	UNK	Turbine	12"	10"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	125

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
125	40	475'	15'	1.49

5. Provide pump calculations:

Q = 7.04 ft4/sec/hp x hp = (7.04)(125) = 1.49 cfs
Total Head, ft 591.6
Total head = 101.6' + 475' + 15' = 591.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
543.744	543.754	5 min	1.45

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

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	2279 LF	Steel	Buried
8"	1352 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

10. Sprinkler Information

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
¾"	40	50	3	3	0.33

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

11. Pivot Information

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)
Valley #1	**1320'**	**40**	**900**	**2.0**
Valley #2	**1320'**	**40**	**900**	**2.0**
Valley #3	**1320'**	**40**	**900**	**2.0**
Valley #4	**1320'**	**40**	**900**	**2.0**
Valley #5	**1320'**	**40**	**900**	**2.0**
Valley #6	**1320'**	**40**	**900**	**2.0**
Valley #7	**1320'**	**40**	**900**	**2.0**
Valley #8	**1320'**	**40**	**900**	**2.0**
Valley #9	**1320'**	**40**	**900**	**2.0**
Valley #10	**1320'**	**40**	**900**	**2.0**
Valley # 15	**1320'**	**40**	**900**	**2.0**
	1290'	**40**	**900**	**2.0**
	1100'	**40**	**850**	**1.9**
	1100'	**40**	**850**	**1.9**

12. Additional notes or comments related to the system:

Well #1 contributes water to the entire place of use

C. Groundwater Source Information (Well and Sump)

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

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

3" capped pipe out of N side of casing

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#2 (HARN 1912)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES
2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Johnston	**UNK**	**UNK**	**Turbine**	**12"**	**6"**

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	**50**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
50	**40**	**350'**	**15'**	**0.75**

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft4/sec/hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(50)}{466.6} = 0.75 \text{ cfs}$

Total head = 101.6' + 350' + 15' = 466.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not on			

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

7. Is the distribution system piped? YES

8. Mainline Information

Mainline Size	Length	Type of Pipe	Buried or Above Ground
6"	80 LF	Steel	Buried

9. Lateral or Handline Information

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #2 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

¾" gap between pump & casing S 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

#3 (HARN 50457)

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
Same as #1									

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Vertiline	**UNK**	**UNK**	**Turbine**	**14"**	**8"**

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	**100**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
100	**40**	**400'**	**20'**	**1.35**

5. Provide pump calculations:

Q = 7.04 ft4/sec/hp x hp = (7.04)(100) = 1.35 cfs
Total Head, ft 521.6
Total head = 101.6' + 400' + 20' = 521.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
3.790 AF	3.795 AF	3 min	1.21

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8'	25 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #3 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

1 ½" capped pipe N side of casing

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#4 (HARN 50241)

A. Place of Use

1. Is the right for municipal use? NO

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
Same as #1									

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
American	**UNK**	**111130**	**Turbine**	**14"**	**8"**

3. Motor Information

MANUFACTURER	HORSEPOWER
US Electric	**100**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
100	**40**	**300'**	**20'**	**1.67**

5. Provide pump calculations:

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Q = 7.04 ft4/sec/hp x hp = (7.04)(100) = 1.67 cfs
Total Head, ft 421.6
Total head = 101.6' + 300' + 20' = 421.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
54.377AF	54.384AF	3 min	1.69

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	2782 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #4 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

1" uncapped pipe S side of casing

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#5 (HARN 50668)

A. Place of Use

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

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B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
UNK	UNK	UNK	**Submersible**	**12"**	**6"**

3. Motor Information

MANUFACTURER	HORSEPOWER
Unk	**50**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
50	**40**	**200'**	**20'**	**1.09**

5. Provide pump calculations:

Q = 7.04 ft4/sec/hp x hp / Total Head, ft = (7.04)(50) / 321.6 = 1.09 cfs
Total head = 101.6' + 200' + 20' = 321.6'

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)
5.663AF	**5.667AF**	**4 min**	**0.73**

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6"	**30 LF**	**Steel**	**Buried**
8"	**2900 LF**	**Steel**	**Buried**

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

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12. Additional notes or comments related to the system:

Well #5 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2" hole in plate top of casing NE side

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#6 (HARN 50422)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Aurora Verti-line	UNK	UNK	Turbine	12"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
US Motors	75

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4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75	40	400	15'	1.02

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft4/sec/hp x hp}}{\text{Total Head, ft}} = \frac{(7.04)(75)}{516.6} = 1.02 \text{ cfs}$

Total head = 101.6' + 400' + 15' = 516.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
43.382AF	43.384AF	2 min, 20 sec	0.62

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

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	20 LF	Steel	Above Ground

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #6 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2 ½" pipe S side of casing

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

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

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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

#6a

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
UNK	UNK	UNK	**Submersible**	14"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
UNK	UNK

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
25	40	400'	15'	0.34

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft4/sec/hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(25)}{516.6} = 0.34 \text{ cfs}$

Total head = 101.6' + 400' + 15' = 516.6'

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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)
20.647AF	20.649AF	7 min	0.21

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

7. Is the distribution system piped? YES

8. Mainline Information

Mainline Size	Length	Type of Pipe	Buried or Above Ground
6"	30 LF	Steel	Above Ground

9. Lateral or Handline Information

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #6a contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2" open/uncapped pipe W side of casing

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

Casing Diameter	Casing Depth	Total Depth	Completion Date of Original Well	Completion Dates of Alterations	Who the well was drilled for	Well drilled by
See well log						

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank. bulge in system / reservoir) NO

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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

#7 (HARN 50890)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
UNK	UNK	UNK	Submersible	14"	6"

3. Motor Information

MANUFACTURER	HORSEPOWER
UNK	

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75	40	400'	10'	1.03

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft4/sec/hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(75)}{511.6} = 1.03 \text{ cfs}$

Total head = 101.6' + 400' + 10' = 511.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
Not on			

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6"	2195 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as 1

12. Additional notes or comments related to the system:

Well #7 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2" capped plug S side

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#8 (HARN 50362)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Gould	**UNK**	**S2125451**	**Turbine**	**16"**	**12"**

3. Motor Information

MANUFACTURER	HORSEPOWER
Marathon Electric	**150**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
150	**40**	**400'**	**10'**	**2.06**

5. Provide pump calculations:

Q = 7.04 ft4/sec/hp x hp = (7.04)(150) = 2.06 cfs
Total Head, ft 511.6
Total head = 101.6' + 400' + 10' = 511.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
246.812	**246.820**	**3 min, 20 sec**	**1.74**

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
12"	3550 LF	Steel	Buried
8"	1500 LF	Steel	Buried
6"	4283 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #8 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

¾" threaded plug NE top of casing

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#9 (HARN 50392)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
WM	UNK	12W0255	Turbine	14"	8"

3. Motor Information

MANUFACTURER	HORSEPOWER
Newsom	75

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
75	40	400'	20'	1.01

5. Provide pump calculations:

Q = 7.04 ft4/sec/hp x hp = (7.04)(75) = 1.01 cfs
Total Head, ft 521.6
Total head = 101.6' + 400' + 20' = 521.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
41.571AF	41.575AF	3 min, 30 sec	0.83

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	2759 LF	Steel	Buried

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #9 contributes water to the entire place of se

C. Groundwater Source Information (Well and Sump)

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

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

¾" Hole/Gap E side pump base

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

2. Complete the table:

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#10 (HARN 51682)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Western	UNK	2735D16JOI	Turbine		8"

3. Motor Information

MANUFACTURER	HORSEPOWER
Westinghouse	150

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4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
150	**40**	**400'**	**15'**	**2.04**

5. Provide pump calculations:

Q = 7.04 ft4/sec/hp x hp = (7.04)(150) = 2.04 cfs
Total Head, ft 516.6
Total head = 101.6' + 400' + 15' = 516.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
400.528 AF	**400.548 AF**	**5 min, 20 sec**	**2.72**

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
8"	**6628 LF**	**Steel**	**Buried**

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #10 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2" capped pipe E side of casing

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#18 (HARN 52018)

A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Fairbanks Morse	**UNK**	**UNK**	**Turbine**		**8"**

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	**100**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
100	40	300'	10'	1.71

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft4/sec/hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(100)}{411.6} = 1.71$ cfs

Total head = 101.6' + 300' + 10' = 411.6'

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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)
639.148 AF	639.158 AF	4 min, 30 sec	1.61

7. Is the distribution system piped? YES

8. Mainline Information

Mainline Size	Length	Type of Pipe	Buried or Above Ground
8"	3100 LF	Steel	Buried

9. Lateral or Handline Information

Lateral or Handline Size	Length	Type of Pipe	Buried or Above Ground
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #18 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2" capped pipe NE side of casing

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

Casing Diameter	Casing Depth	Total Depth	Completion Date of Original Well	Completion Dates of Alterations	Who the well was drilled for	Well drilled by
See well log						

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? NO

#22 (HARN 52481)

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A. Place of Use

1. Is the right for municipal use? Same as #1 NO

B. Diversion and Delivery System Information

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

1. Is a pump used? YES

2. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Fairbanks Morse	**UNK**	**15624**	**Turbine**	**14"**	**10"**

3. Motor Information

MANUFACTURER	HORSEPOWER
GE	**250**

4. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP *IF A WELL, THE WATER LEVEL DURING PUMPING	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
250	**40**	**450'**	**10'**	**3.13**

5. Provide pump calculations:

$Q = \frac{7.04 \text{ ft4/sec/hp} \times \text{hp}}{\text{Total Head, ft}} = \frac{(7.04)(250)}{561.6} = 3.13 \text{ cfs}$

Total head = 101.6' + 450' + 10' = 561.6'

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

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
153.491AF	**153.507AF**	**5 min, 30 sec**	**2.11**

7. Is the distribution system piped? YES

8. Mainline Information

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
10"	**3400 LF**	**Steel**	**Buried**
8"	**7130 LF**	**Steel**	**Buried**

9. Lateral or Handline Information

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
NA			

10. Sprinkler Information Same as #1

11. Pivot Information Same as #1

12. Additional notes or comments related to the system:

Well #22 contributes water to the entire place of use.

C. Groundwater Source Information (Well and Sump)

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

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

2" threaded plug SE side of casing

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

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

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

5. Is the appropriation from a dug well (sump)? NO

D. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir) NO

E. Gravity Flow Pipe

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

1. Does the system involve a gravity flow pipe? NO

Attach measurement notes.

F. Gravity Flow Canal or Ditch

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

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? **NO**

SECTION 5
CONDITIONS

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

1. Time Limits:

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

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	**11/12/1998**		
BEGIN CONSTRUCTION (A)	**10/30/1999**	**11/18/1998**	**Well # 8 constructed**
COMPLETE CONSTRUCTION (B)	**NA**	**NA**	**NA**
COMPLETE APPLICATION OF WATER (C)	**10/1/2018**	**8/21/2018**	**Wells, conveyances & sprinklers contructed. Alfalfa fields developed & water use reported.**

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

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

3. Initial Water Level Measurements:

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

c. Was the measurement submitted to the Department? **YES**

d. If the initial measurement was not submitted, provide that measurement now, if available:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

4. Annual Static Water Level Measurements:

a. Was the water user required to submit annual static water level measurements? **YES**

b. Provide the month, or months, the static water level measurement(s) were to be made:
March

c. Were the static water level measurements taken in the month(s) required? **YES**

d. If "YES", were those measurements submitted to the Department? **YES**

e. If the annual measurements were not submitted, provide the measurements now:

DATE OF MEASUREMENT	MEASUREMENT MADE BY	METHOD	MEASUREMENT

5. Pump Test (Required for most ground water permits prior to issuance of a certificate)

a. Did the permit require the submittal of a pump test? **YES**

b. Has the pump test been previously submitted to the Department? **NO**

c. Is the pump test attached to this claim? **NO**

d. Has the pump test been approved by the Department? **NO**

e. Has a pump test exemption been approved by the Department? **NO**

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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
#1	**McCrometer**	**15-01185-10**	**Running**	**543.754 AF**	**2015**
#2	**+GF+**	**61804170092**	**Not running**	**0 AF**	**2018**
#3	**+GF+**	**61804170097**	**Running**	**3.795 AF**	**2018**
#4	**+GF+**	**61804170101**	**Running**	**54.384 AF**	**2018**
#5	**+GF+**	**61804170102**	**Running**	**5.667 AF**	**2018**
#6	**+GF+**	**61804030540**	**Running**	**43.384 AF**	**2018**
#6a	**+GF+**	**61804030539**	**Running**	**20.649 AF**	**2018**
#7	**+GF+**	**61804030521**	**Not running**	**44.319 AF**	**2018**
#8	**McCrometer**	**15-01179-12**	**Running**	**246.820 AF**	**2015**
#9	**+GF+**	**61804030541**	**Running**	**41.575 AF**	**2018**
#10	**McCrometer**	**15-01176-08**	**Running**	**400.548 AF**	**2015**
#18	**McCrometer**	**15-01175-08**	**Running**	**639.158 AF**	**2015**
#22	**McCrometer**	**16-07386-10**	**Running**	**153.507 AF**	**2016**

7. Recording and reporting conditions

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

b. Have the reports been submitted? **YES**

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

8. Other conditions required by permit, permit amendment final order, or extension final order:

a. Were there special well construction standards? **NO**

b. Was submittal of a ground water monitoring plan required? **YES**

c. Was submittal of a water management and conservation plan required? **NO**

d. Other conditions? NO

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

SECTION 6

ATTACHMENTS

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

ATTACHMENT NAME	DESCRIPTION
Well logs	**HARN 1879, 1912, 50457, 50241, 50668, 50422, 50890, 50362, 50392, 51682, 52018 & 52481**
Aerial imagery	**NRCS 2016 aerial imagery**
Pump Test	**Pump Test Exemption Form**

SECTION 7

CLAIM OF BENEFICIAL USE MAP

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

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

The wells, conveyances, sprinklers & place of use were tied to approx. property lines using survey grade GPS receivers in SPC OR-S 3602 in RTK autonomous mode. Points and lines were compared with 2016 NRCS aerial imagery for accuracy.

Map Checklist

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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

Prepared by: 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

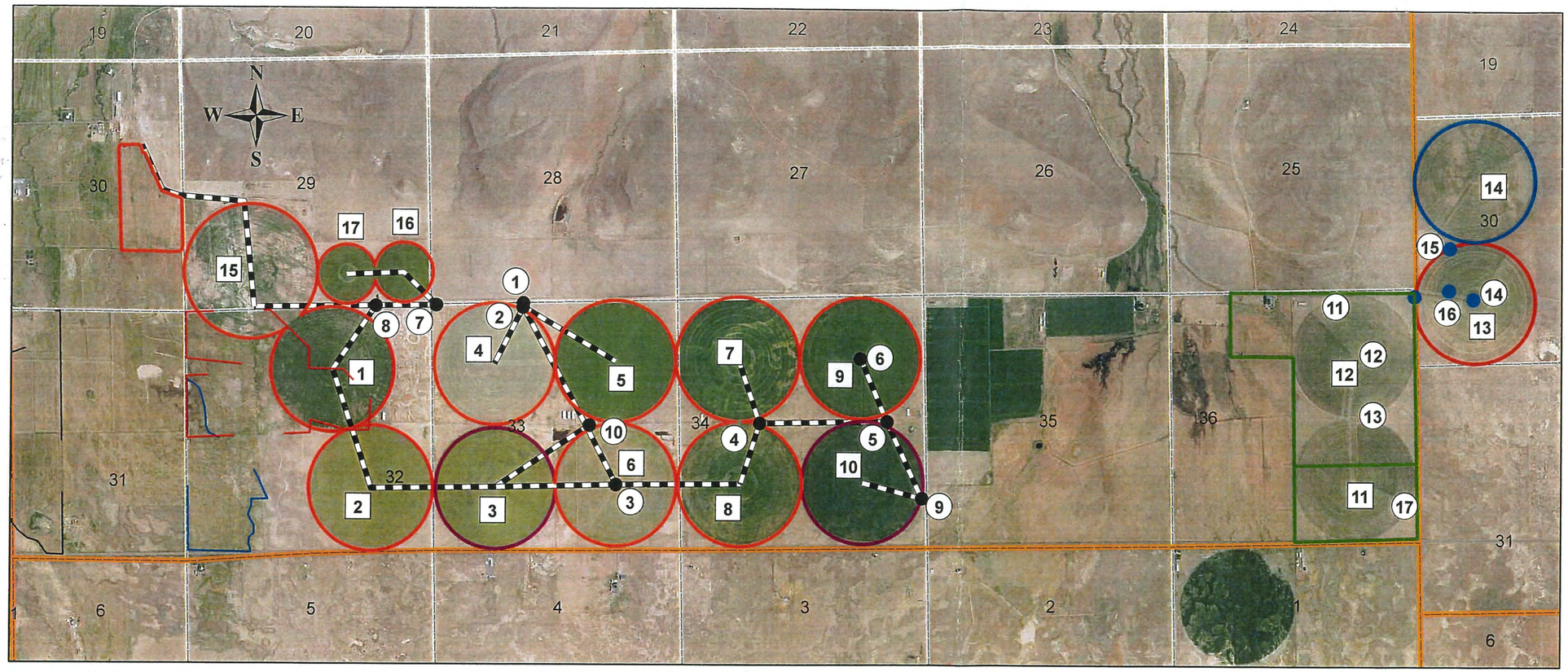
HOMEPLACE FIELDS

OWRD WATER RIGHTS APPURTENANT TO:
C#15533, C#36879, G-12931, G-13539, G-13730, & G-16578

Prepared for:
ACW, Inc.

POWER METER ID#s:

Well 1 - 16521890
Well 2- 16521890
Wells 3 & 4 - 97131155
Well 5 - 97879940
Well 6 - 21467136
Well 7 - 04389602
Well 8 - 97131155
Well 9 - 08253104
Well 10 - 08250780
Well 11 - 08253092
Well 12 - 21467127
Well 13 - 84183261
Wells 14-16 - 23267949
Well 17 -
Well 18 - 16567777



AREA IRRIGATED FROM CERTIFICATE #14574
148.9 AC (P) SW
PRIORITY DATE = 1884 & 1890
SURVEYED BY STATE ENGINEER JULY 1936

AREA IRRIGATED FROM CERTIFICATE #14581
87.5 AC (P) SW
PRIORITY DATE = 1887 & 1895
SURVEYED BY STATE ENGINEER JULY 1936

AREA IRRIGATED FROM CERTIFICATE #19922
166.7 AC (P) SW
PRIORITY DATE = OCTOBER 7, 1948
SURVEYED BY STATE ENGINEER JULY 1951

AREA IRR FROM CERTIFICATES #15533 & #36879
360 AC (P) SW & 218.4 AC (S) GW
PRIORITY DATE = 6/1884 & 7/23/1964
SURVEYED BY STATE ENG JUL 1936 & SEP 1968

AREA IRRIGATED FROM PERMIT G-13539
1156.1 AC (P) GW & 85.1 AC (S) GW
PRIORITY DATE = FEBRUARY 2, 1998
SURVEYED BY APES SEPTEMBER 2011

AREA IRRIGATED FROM PERMIT G-13730
240.1 AC (P) GW
PRIORITY DATE = DECEMBER 22, 1998
SURVEYED BY APES SEPTEMBER 2011

AREA IRRIGATED FROM PERMIT G-12931
237.0 AC (S) GW
PRIORITY DATE = FEBRUARY 4, 1992
SURVEYED BY PALMER MARCH 2008

AREA IRRIGATED FROM PERMIT G-16578
125.2 AC (P) GW
PRIORITY DATE = SEPTEMBER 17, 2008
COMPLETION DATE = SEPTEMBER 3, 2014

PROPOSED AREA IRRIGATED FROM APP G-17365
113.2 AC (P) GW
PRIORITY DATE = APRIL 26, 2011
COMPLETION DATE = APRIL 26, 2018?

(#1) WELL #1 (HARN 1879 - L35535)
12" CASING FROM 0 TO 100'
w/ 1" CAPPED STEM PORT EAST
McCrometer 15-01185-10
National N8260 turbine pump
US Electric 125 hp motor

(#2) WELL #2 (HARN 1912 - L35536)
12" CASING FROM 0 TO 160'
w/ 2" uncapped pipe south casing

Johnston 1465 turbine pump
General Electric 50 hp motor

(#3) WELL #3 (HARN 50457 - L35537)
14" CASING FROM 0 TO 160'
2" capped pipe NE
Lindsay Flowmeter on Pivot 6
Vertiline turbine pump & US Motors 100 hp motor

(#4) WELL #4 (HARN 50241 - L16814)
14" CASING FROM 0 TO 120'
1-1/4" uncapped pipe S
American HH30 turbine pump
U.S. Electric 100 hp motor

(#5) WELL #5 (HARN 50668 - L35538)
12" CASING FROM 0 TO 160'

Unknown make submersible pump
Unknown 25 hp motor

(#6) WELL #6 (HARN 50422 - L28438)
12" CASING FROM 0 TO 160'
w/ 2" uncapped pipe south casing

Aurora VertiLine 10RH turbine pump
U.S. Electric 75 hp motor

(#7) WELL #7 (HARN 50890 - L51625)
14" CASING FROM 0 TO 80'

Unknown make submersible pump
Unknown make 25 hp motor

(#8) WELL #8 (HARN 50362 - L21297)
16" CASING FROM 0 TO 80'
1" threaded bolt NE
McCrometer 05-01179-12
National turbine pump &
Marathon electric 150 hp motor

(#9) WELL #9 (HARN 50392 - L28434)
14" CASING FROM 0 TO 79'

WDM turbine pump
Newman Electric 75 hp motor

(10) WELL #10 (HARN 51682 - L102504)
12" CASING FROM 0 TO 80'
2" capped pipe E
McCrometer 15-01176-08
Western turbine pump &
Westinghouse 150 hp motor

(11) WELL #11 (HARN 207 - L114130)
12" CASING FROM 0 TO 80'

Johnston turbine Pump
GE 50 hp motor

(12) WELL #12 (HARN 211 - L114131)
12" CASING FROM 0 TO 52'
1" uncapped pipe W
Unk submersible pump &
40 hp electric motor

(13) WELL #13 (HARN 210 - L114132)
12" CASING FROM 0 TO 70'
2" capped pipe N
Johnston turbine pump &
US Motors 40 hp motor

(14) WELL #14 (HARN 51475 - L 93564)
8" CASING FROM 0 TO 118'

Unk turbine pump &
electric motor 25 hp

(15) WELL #15 (HARN 51275 - L 72705)
14" CASING FROM 0 TO 58'
McCrometer 10-01166-06 & 10-01165-06
Unk submersible pump & 75 hp motor

(16) WELL #16 (HARN 51823 - L 107662)
10" CASING FROM 2 TO 80'
1" uncapped pipe N
Unk submersible pump & electric motor

(17) WELL #17 (HARN 51987 - L113426)
14" CASING FROM +2 TO -163'
1-1/2" capped pipe
Fairbanks Morse turbine pump &
GE electric motor 75 hp

(18) WELL #18 (HARN 52018 - L 113433)
10" casing from +2 TO -80'
2" capped pipe NE
McCrometer 15-01175-08
Fairbanks Morse turbine pump &
GE 100 hp electric motor

(19) WELL #19 (HARN 52021 - L113434)
14" CASING FROM +1 TO -105'

no pump/motor

(20) WELL #20
proposed

(21) WELL #21
proposed

(#1) PIVOT #1 - Valley 8000 (1355' irrigated radius)
Begin Pressure = unknown End Pressure = Unknown
132.1 Acres - Unknown flow

(#2) PIVOT #2 - Valley 8000 (1252' irrigated radius)
Begin Pressure = unk End Pressure = unk
112.5 Acres - flow unk

(#3) PIVOT #3 - Valley 8000 (560' irrigated radius)
Begin Pressure = unk End Pressure = unk
22.2 Acres - unk flow

(#4) PIVOT #4 - Valley 6000 (540' irrigated radius)
Begin Pressure = unk End Pressure = unk
21.0 Acres - unk flow

(#5) PIVOT #5 - Valley 6000 (560' irrigated radius)
Begin Pressure = unk End Pressure = unk
22.2 Acres - unk flow

(#6) PIVOT #6 - Zimmatic 310 (540' irrigated radius)
Begin Pressure = unk End Pressure = unk
21.0 Acres - unk flow

(#7) PIVOT #7 - Valley 8000 (1355' irrigated radius)
Begin Pressure = unk End Pressure = Unk
132.1 Acres - flow unk

(#8) PIVOT #8 - Valley 8000 (1252' irrigated radius)
Begin Pressure = unk End Pressure = unk
112.5 Acres - flow unk

(#9) PIVOT #9 - Pringle (1288' irrigated radius)
Begin Pressure = unk End Pressure = unk
119.6 Acres - unk flow

(10) PIVOT #10 - Valley 8000 (1301' irrigated radius)
Begin Pressure = unk End Pressure = unk
121.9 Acres - unk flow

(11) PIVOT #11 - Valley 6000 (unk irrigated radius)
Begin Pressure = unk End Pressure = unk
unk Acres - unk flow

(12) PIVOT #12 - Valley 6000 (unk irrigated radius)
Begin Pressure = unk End Pressure = unk
unk Acres - unk flow

(13) PIVOT #13 - Valley 8000 (1355' irrigated radius)
Begin Pressure = unknown End Pressure = Unknown
132.1 Acres - Unknown flow

(14) PIVOT #14 - Valley 8000 (1252' irrigated radius)
Begin Pressure = unk End Pressure = unk
112.5 Acres - flow unk

(15) PIVOT #15 - Valley 8000 (1427' irrigated radius)
Begin Pressure = unk End Pressure = unk
146.9 Acres - unk flow

(16) PIVOT #16 - Zimmatic (627' irrigated radius)
Begin Pressure = unk End Pressure = unk
28.4 Acres - unk flow

(17) PIVOT #17 - Valley 6000 (633' irrigated radius)
Begin Pressure = unk End Pressure = unk
28.9 Acres - unk flow

G-14000

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-12267, Harney County	)	FINAL ORDER APPROVING A CHANGE IN POINTS OF APPROPRIATION, ADDITIONAL POINTS OF APPROPRIATION, A CHANGE IN PLACE OF USE, AND THE PARTIAL DIMINUTION OF A WATER RIGHT PERMIT

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 February 1, 2016, Andy Root filed an application to change points of appropriation, for additional points of appropriation and to change in place of use under Permits G-17574 and G-17499. The Department assigned the application number T-12267.

2. On September 7, 2016, the Department notified the applicant's agent of a change in the water right permit number the agent confirmed that the intended permit number should be G-17575.

3. Notice of the application for the permit amendment was published in the Department's weekly notice on February 9, 2016, and re-noticed with the corrected Permit numbers on September 7, 2016, and in the Burns Herald newspaper on September 26, 2018, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

4. On September 26, 2016, the applicant's agent on behalf of the applicant submitted and amended application and maps.

5. The Department re-noticed the application with the amended information and pages on October 4, 2016.

6. The amended application pages included an affidavit to diminish some of the acres from primary irrigation to supplemental irrigation.

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. For Permit G-17574 Permit Amendment Application T-12267 proposes to move an authorized point of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances from the authorized points of appropriation and additional points of appropriation are all approximately between 0.4 and 2.7 miles in distance. The changes and/or additional points are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	34	NW NE	WELL 22-5 FEET SOUTH AND 1500 FEET EAST FROM THE WEST CORNER OF SECTION 34	APOA

8. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17574 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39.0
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30.0
22 S	32.5 E	WM	29	SE SE	30.0
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.2
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
				Total:	1292.3

Supplemental Irrigation					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NE	32.30
22 S	32.5 E	WM	32	NE NW	32.20
22 S	32.5 E	WM	32	NW NW	30.80
22 S	32.5 E	WM	32	SW NW	31.50
22 S	32.5 E	WM	32	SE NW	40.00
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
				Totals:	317.2

9. For Permit G-17575, Permit Amendment Application T-12267 proposes to move some of the authorized points of appropriation (POA) and add additional points of appropriation (APOA); the approximate distances between the authorized points of appropriation and the proposed points of appropriation are between 0.4 and 3.0 miles. Descriptions of the points of appropriation and the type of change proposed are described in the table below:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34	APOA

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Type of Change
22 S	32.5 E	WM	32	NW NE	WELL 20- 35 FEET SOUTH AND 1350 FEET WEST FROM THE NE CORNER OF SECTION 32	POA
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA
22 S	32.5 E	WM	32	NW NW	WELL 22- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32	APOA

10. Permit Amendment Application T-12267 also proposes to change the place of use for Permit G-17575 to:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.20
22 S	32.5 E	WM	33	NW SW	30.20
22 S	32.5 E	WM	33	SW SW	30.20
22 S	32.5 E	WM	33	SE SW	30.20
22 S	32.5 E	WM	34	NE SE	31.40
22 S	32.5 E	WM	34	NW SE	31.40
22 S	32.5 E	WM	34	SW SE	31.40
22 S	32.5 E	WM	34	SE SE	31.40
				Total:	246.4

Partial Diminishment of a Water Right

11. On September 26, 2016, the Department received an affidavit from Andy Root, Permit Holder of Water Right Permit G-17574, the affidavit diminishes a portion of Permit G-17574 from Primary Irrigation to Supplemental Irrigation and is described as follows:

Permit: G-17574 in the name of ANDY ROOT (perfected under Permit G-13539)
Use: SUPPLEMENTAL IRRIGATION of 128.7 ACRES
Priority Date: FEBRUARY 2, 1998
Rate: 1.61 CUBIC FEET PER SECOND
Limit/Duty: The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.
Source: TWELVE WELLS within the RATTLESNAKE CREEK BASIN

Authorized Points of Appropriation:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FEET SOUTH AND 660 FEET WEST 90 FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FORM THE NW CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FORM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5 FEET SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

Authorized Place of Use to be diminished:

Lands Diminished from Primary to Supplemental					
Twp	**Rng**	**Mer**	**Sec**	**Q-Q**	**Acres**
22 S	32.5 E	WM	32	NE NE	32.9
22 S	32.5 E	WM	32	NW NE	2.2
22 S	32.5 E	WM	32	SW NE	1.4
22 S	32.5 E	WM	32	SE NE	31.3
22 S	32.5 E	WM	32	NE SW	14.6
22 S	32.5 E	WM	32	NE SE	8.8
22 S	32.5 E	WM	32	NW SE	4.6
22 S	32.5 E	WM	32	SW SE	10.1
22 S	32.5 E	WM	32	SE SW	10.4
22 S	32.5 E	WM	32	SE SE	12.4
				Total	128.7

Permit Amendment Review Criteria

12. The changes would not result in injury to other water rights.

13. The proposed place of use is owned and/or controlled by the permit holder.

14. The changes do not enlarge the permit.

15. The changes do not alter any other terms of the permit.

16. The proposed place of use is contiguous to the authorized place of use.

Conclusions of Law

The change in point of appropriation, additional point of appropriation, change in place of use and diminishment of a portion of a permit proposed by Permit Amendment Application T-12267 are consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The change in point of appropriation, additional points of appropriation, change in place of use, and the diminishment of a permit proposed by Permit Amendment Application T-12267 are approved.

2. Permits G-18090 and G-18091, both in the name of Andy Root, are issued to replace Permit G-17574 and Permit G-17575, and incorporate the amendments approved by this order. Permits G-17574 and G-17575, both in the name of Andy Root, are no longer of any force or effect.

3. The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

4. The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

5. Water use measurement conditions:
   a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
   b. The water user shall maintain the meters or measuring devices in good working order.
   c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

6. Water shall be acquired from the same aquifer as the original points of appropriation.

7. The former place of use shall no longer be irrigated as part of these permits.

8. All other terms and conditions of Permits G-18090 and G-18091 remain the same.

Dated at Salem, Oregon this OCT 08 2018.

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

Mailing Date: OCT 09 2018

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation, an additional point of appropriation and a change in the place of use, and the partial diminishment proposed under Permit Amendment Application T-12267 and approved by Special Order Vol. 109, Pages 546-551, entered October 8, 2018. This permit supersedes Permit G-17574.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: FIFTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1292.4 ACRES AND SUPPLEMENTAL IRRIGATION OF 295.5 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8; OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, 20, 21, AND 22.

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	29	SW SE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32
22 S	32.5 E	WM	34	NW NE	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE W1/4 CORNER OF SECTION 33

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	20.4
22 S	32.5 E	WM	29	NW SW	27.7
22 S	32.5 E	WM	29	SW SW	39
22 S	32.5 E	WM	29	SE SW	39.9
22 S	32.5 E	WM	29	SW SE	30
22 S	32.5 E	WM	29	SE SE	30
22 S	32.5 E	WM	30	SW NE	27.6
22 S	32.5 E	WM	30	SE NE	10.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	20.2
22 S	32.5 E	WM	31	NE NE	5.3
22 S	32.5 E	WM	31	SE NE	2.6
22 S	32.5 E	WM	31	SW SE	3.7
22 S	32.5 E	WM	31	SE SE	11.8
22 S	32.5 E	WM	32	NE NE	7.1
22 S	32.5 E	WM	32	NW NE	37.8
22 S	32.5 E	WM	32	SW NE	6.3
22 S	32.5 E	WM	32	SE NE	8.7
22 S	32.5 E	WM	32	NE NW	6.2
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	22.8
22 S	32.5 E	WM	32	NW SW	3.3
22 S	32.5 E	WM	32	SE SW	27.1
22 S	32.5 E	WM	32	NE SE	31.2
22 S	32.5 E	WM	32	NW SE	35.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW SE	29.9
22 S	32.5 E	WM	32	SE SE	27.6
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
				Total:	1292.4

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	31	NE NE	1.7
22 S	32.5 E	WM	31	SE NE	19.2
22 S	32.5 E	WM	31	NE SE	33.1
22 S	32.5 E	WM	31	NW SE	7.6
22 S	32.5 E	WM	31	SW SE	4.3
22 S	32.5 E	WM	31	SE SE	19.9
22 S	32.5 E	WM	32	SW NW	8.5
22 S	32.5 E	WM	32	SW NE	31.7
22 S	32.5 E	WM	32	NE NW	27.5
22 S	32.5 E	WM	32	NW NW	24.6
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	29.8
22 S	32.5 E	WM	32	NE SW	3.1
22 S	32.5 E	WM	32	NW SW	28.5
22 S	32.5 E	WM	32	SW SW	23.6
22 S	32.5 E	WM	32	SE SW	0.9
				Total:	295.5

PERMIT AMENDMENT T-12267 CONDITIONS

The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water use measurement conditions:

a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).
b. The water user shall maintain the meters or measuring devices in good working order.
c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation.

PERMIT AMENDMENT T-11803 CONDITIONS

The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING PERMIT CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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

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

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

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).

Issued OCT 08 2018

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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation, an additional point of appropriation and a change in the place of use, and partial diminishment, proposed under Permit Amendment Application T-12267 and approved by Special Order Vol. 109, Pages 546-551, entered October 8, 2018. This permit supersedes Permit G-17575.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: FIFTEEN WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6A- 1300 FEET SOUTH AND 1300 FEET EAST FROM THE NORTH ¼ CORNER OF

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5 FEET SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	29	SWSE	WELL 20- 1250 FEET NORTH AND 2500 FEET WEST FROM THE SE CORNER OF SECTION 29
22 S	32.5 E	WM	32	NW NW	WELL 21- 300 FEET SOUTH AND 300 FEET EAST FROM THE NW CORNER OF SECTION 32
22 S	32.5 E	WM	32	NW NW	WELL 22- 5 FEET SOUTH AND 1500 FEET EAST FROM THE W1/4 CORNER OF SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
				Total:	246.4

PERMIT AMENDMENT T-12267 CONDITIONS

The quantity of water diverted at the new point of appropriation (Well 20) shall not exceed the quantity of water lawfully available at the original point of appropriation (Well 19).

The combined quantity of water diverted at the new points of appropriation (Wells 6A, 21, and 22), together with that diverted at the old points of appropriation (Wells 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, and 19), shall not exceed the quantity of water lawfully available at the original points of appropriation.

Water use measurement conditions:

a. Before water use may begin under this order, the water user shall install a totalizing flow meter, or, with prior approval of the Director, another suitable measuring device at each point of appropriation (new and existing).

b. The water user shall maintain the meters or measuring devices in good working order.

c. The water user shall allow the Watermaster access to the meters or measuring devices, provided however, where the meters or measuring devices are located within a private structure, the Watermaster shall request access upon reasonable notice.

Water shall be acquired from the same aquifer as the original points of appropriation

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

   The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING PERMIT CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.
The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

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

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

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).
Issued OCT 08 2018, 2018.

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

Oregon
Kate Brown, Governor

Water Resources Department
North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.Oregon.gov/OWRD

October 8, 2018

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

REFERENCE: Permit Amendment Application T-12267

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

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

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

Sincerely,

Stacy H. Phillips

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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
HC 73 174 HARNEY ROAD PHONE: (541)493-3645
BURNS, OREGON 97720

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: WELL 8 AND WELL 9 IN THE RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

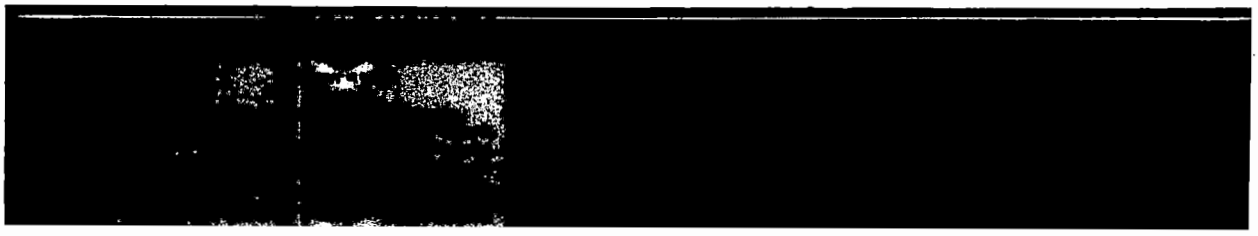
POINT OF DIVERSION LOCATION: NE 1/4 NE 1/4, SECTION 32, SW 1/4 SE 1/4, SECTION 34, T22S, R32½E, W.M.; WELL 8 - 1 FOOT SOUTH & 1306 FEET WEST FROM NE CORNER, SECTION 32; WELL 9 - 130 FEET NORTH & 2180 FEET WEST FROM SE CORNER, SECTION 34

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 (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NE 1/4 SW 1/4 30.2 ACRES
NW 1/4 SW 1/4 30.2 ACRES
SW 1/4 SW 1/4 30.2 ACRES
SE 1/4 SW 1/4 30.2 ACRES
SECTION 33

C-10-1-2004



NE 1/4 SE 1/4 31.4 ACRES
NW 1/4 SE 1/4 31.4 ACRES
SW 1/4 SE 1/4 31.4 ACRES
SE 1/4 SE 1/4 31.4 ACRES
SECTION 34
TOWNSHIP 22 SOUTH, RANGE 32½ EAST, W.M.

Measurement, recording and reporting conditions:

#1 A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department #2 annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

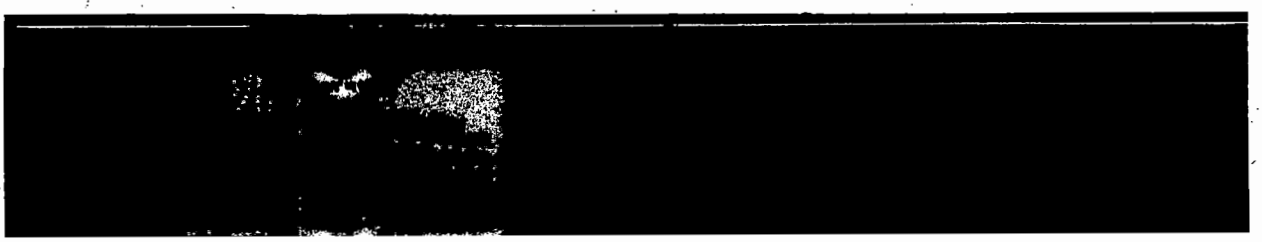
B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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

STANDARD CONDITIONS

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The #3 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.

#4 Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

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

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

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

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

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

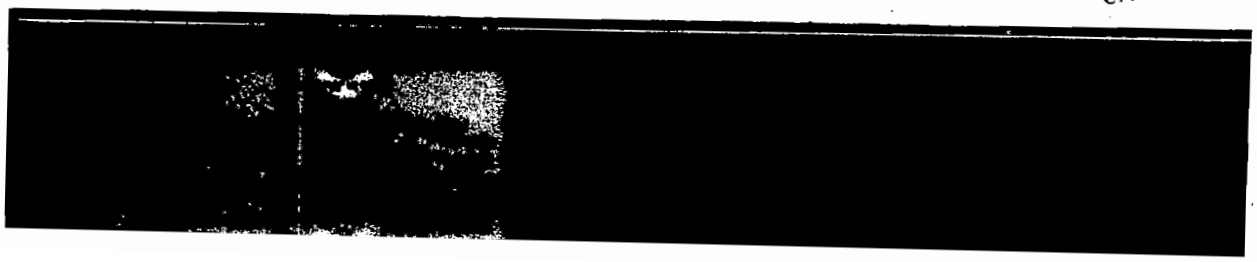
Actual construction of the well shall begin by July 30, 2000. Complete application of the water to the use shall be made on or before October 1, 2003. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued September 1, 1999 10-1-2004

Dwight French for

Martha O. Pagel, Director
Water Resources Department

Application G-14888 Water Resources Department PERMIT G-13730
Basin 12 Volume 2 RATTLESNAKE CR District 10
RWK MGMT.CODE 7BG 7BR



G14888

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

March 3, 2016

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

RE: Correcting Order T-117630

Enclosed is a new correcting and superseding final order. Also, enclosed are new correcting and superseding permits, G-17574 and G-17575, issued to correct a scrivener's error.

Please read the order carefully.

If you have any questions regarding this certificate please contact the transfer section at 503-986-0807.

Sincerely,

C. Holmes

Codi Holmes
Water Right Services Support
Transfer and Conservation Section

Enclosure

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-11803, Harney County	)	SUPERSEDING FINAL ORDER APPROVING A CHANGE IN POINTS OF APPROPRIATION AND ADDITIONAL POINTS OF APPROPRIATION AND CORRECTING SCRIVENER'S ERRORS IN A PREVIOUS ORDER

Authority

Oregon Revised Statute (ORS) 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

Findings of Fact

1. On April 29, 2014, Andy Root filed an application for additional points of appropriation under Permits G-13539 and G-13730. The Department assigned the application number T-11803.

2. On April 22, 2011, the Department approved an extension of time for complete application of water to October 1, 2011, for each permit.

3. On May 28, 2014, the Department approved an extension of time for complete application of water to October 1, 2018, for each permit.

4. Notice of the application for the permit amendment was published in the Department's weekly notice on May 6, 2014, and in the Burns Herald newspaper on November 11 and 18, 2015, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

5. This Order is issued to supersede the Final Order recorded at Special Order Volume 98, Pages 368-371, to correct the scrivener's errors in the section number of Well 3 and in the "measured distances" of Well 19. Corrections appear in **Bold** in Finding of Fact Nos. 8 and 9.

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 and OAR 690-01-0005 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

6. On July 9, 2015, the Department contacted the applicant's agent by written correspondence (email) to notify them of the deficiencies in the application. The main deficiencies being that clarification was needed regarding the type of change requested, the location of the points of appropriation and proper identification of the wells. The Department requested that the deficiencies be resolved by August 10, 2015.

7. The applicant's agent submitted amended application pages and clarification resolving the deficiencies. As part of the resolution, the agent clarified that for Permit G-13730 the type of change requested is a change in point of appropriation, as all of the well locations are being changed from what is authorized on Permit G-13730.

8. Permit Amendment Application T-11803 proposes to change the authorized points of appropriation in Permit G-13730, as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles	
						Well 8	Well 9
22 S	32.5 E	WM	33	NE NW	WELL 1 (HARN 1879): 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	33	NE NW	WELL 2 (HARN 1912): 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	33	NW SE	WELL 3 (HARN 50457): 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33	1.2	0.9
22 S	32.5 E	WM	34	NE SW	WELL 4 (HARN 50241): 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34	1.6	0.5
22 S	32.5 E	WM	34	SE NE	WELL 5 (HARN 50668): 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34	2.1	0.5
22 S	32.5 E	WM	34	NW NE	WELL 6 (HARN 50422): 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34	2.0	0.7
22 S	32.5 E	WM	33	NW NW	WELL 7 (HARN 50667): 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33	0.3	1.8
22 S	32.5 E	WM	32	NE NE	WELL 8 (HARN 50362): 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32	0.01	2.0
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	2.2	0.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	1.0	1.1
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.5	1.6

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles	
						Well 8	Well 9
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND **2640 FEET EAST FROM THE NW** CORNER OF SECTION 32	0.1	2.2

9. Permit Amendment Application T-11803 proposes to add four points of appropriation, described as follows, to Permit G-13539:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles							
						Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	1.7	1.7	1.2	0.6	0.5	0.6	3.7	2.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	0.5	0.5	0.3	0.8	1.2	1.1	2.4	1.2
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.2	.2	0.9	1.3	1.6	1.5	1.8	0.7
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND **2640 FEET EAST FROM THE NW** CORNER OF SECTION 32	0.8	0.8	1.8	1.9	2.2	2.1	1.2	0.1

Permit Amendment Review Criteria

10. The changes would not result in injury to other water rights.

11. The changes do not enlarge the permits.

12. The changes do not alter any other terms of the permits.

Conclusions of Law

The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The Final Order recorded at Special Order Volume 98, Pages 368-371, is withdrawn and of no further force or effect and is superseded by this order.

2. The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 are approved.

3. Permit G-17574, in the name of Andy Root, is issued to replace Permit G-17498, and incorporates the amendments approved by this order and the extensions of time. Permit G-17498, in the name of ANDY ROOT, is no longer of any force or effect.

4. Permit G-17575, in the name of Andy Root, is issued to replace Permit G-17499, and incorporates the amendments approved by this order and the extensions of time. Permit G-17499, in the name of ANDY ROOT, is no longer of any force or effect.

5. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

6. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

   The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

7. Water shall be acquired from the same aquifer as the original points of appropriation.

8. All other terms and conditions of Permit G-17574 and Permit G-17575 remain the same.

Dated at Salem, Oregon this 25 day of February, 2016.

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

Mailing Date: MAR 02 2016

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This correcting superseding permit is issued to describe an amendment for a change in point of appropriation and correction of scrivener's errors proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Pages 853-856, entered February 25, 2016, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-17498.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: TWELVE WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8; OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, AND 19.

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	38.0
22 S	32.5 E	WM	29	NW SW	38.0
22 S	32.5 E	WM	29	SW SW	40.0
22 S	32.5 E	WM	29	SE SW	40.0
22 S	32.5 E	WM	30	SW NE	30.3
22 S	32.5 E	WM	30	SE NE	20.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	21.3
22 S	32.5 E	WM	30	SE SE	21.6
22 S	32.5 E	WM	31	NE NE	14.9
22 S	32.5 E	WM	32	NE NE	40.0
22 S	32.5 E	WM	32	NW NE	40.0
22 S	32.5 E	WM	32	SW NE	7.7
22 S	32.5 E	WM	32	SE NE	40.0
22 S	32.5 E	WM	32	NE NW	7.8
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	37.4
22 S	32.5 E	WM	32	NW SW	5.0
22 S	32.5 E	WM	32	SE SW	38.3
22 S	32.5 E	WM	32	NE SE	40.0
22 S	32.5 E	WM	32	NW SE	40.0
22 S	32.5 E	WM	32	SW SE	40.0
22 S	32.5 E	WM	32	SE SE	40.0
22 S	32.5 E	WM	33	NE NE	31.4
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
				Total:	1421.1

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW NE	32.3
22 S	32.5 E	WM	32	NE NW	32.2
22 S	32.5 E	WM	32	NW NW	30.8
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	40.0
				Total:	166.8

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

   The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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

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

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

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).

Issued February 29, 2016.

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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

This correcting superseding permit is issued to describe an amendment for a change in point of appropriation and correction of scrivener's errors proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Pages 853-856, entered February 17, 2016, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-17499.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: WELLS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18 AND WELL 19 IN THE RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2640 FEET EAST FROM THE NW CORNER OF SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
				Total:	246.4

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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

STANDARD CONDITIONS

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

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

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

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).

Issued February 29, 2016.

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

Oregon
Kate Brown, Governor

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

November 24, 2015

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

REFERENCE: Permit Amendment Application T-11803

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

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

If you have any questions related to the approval of this permit amendment, you may contact your caseworker, Tracy Fox, by telephone at (503) 986-0827 or by e-mail at Tracy.L.Fox@wrd.state.or.us.

Sincerely,

Bethanie Williamson
Water Rights Services Support

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

Enclosure

BEFORE THE WATER RESOURCES DEPARTMENT
OF THE
STATE OF OREGON

In the Matter of Permit Amendment T-11803, Harney County	)	FINAL ORDER
	)	APPROVING A CHANGE IN POINTS
	)	OF APPROPRIATION AND
	)	ADDITIONAL POINTS OF
	)	APPROPRIATION

Authority

Oregon Revised Statute (ORS) 537.211 establishes the process in which a water right permit holder may submit a request to change the point of appropriation and/or place of use authorized under an existing water right permit.

Applicant

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

Findings of Fact

1. On April 29, 2014, Andy Root filed an application for additional points of appropriation under Permits G-13539 and G-13730. The Department assigned the application number T-11803.

2. On April 22, 2011, the Department approved an extension of time for complete application of water to October 1, 2011, for each permit.

3. On May 28, 2014, the Department approved an extension of time for complete application of water to October 1, 2018, for each permit.

4. Notice of the application for the permit amendment was published in the Department's weekly notice on May 6, 2014, and in the Burns Herald newspaper on November 11 and 18, 2015, pursuant to ORS 540.520(5). No comments were filed in response to the notices.

5. On July 9, 2015, the Department contacted the applicant's agent by written correspondence (email) to notify them of the deficiencies in the application. The main deficiencies being that clarification was needed regarding the type of change requested, the location of the points of appropriation and proper identification of the wells. The Department requested that the deficiencies be resolved by August 10, 2015.

This is a final order in other than contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 and OAR 690-01-0005 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied.

6. The applicant's agent submitted amended application pages and clarification resolving the deficiencies. As part of the resolution, the agent clarified that for Permit G-13730 the type of change requested is a change in point of appropriation, as all of the well locations are being changed from what is authorized on Permit G-13730.

7. Permit Amendment Application T-11803 proposes to change the authorized points of appropriation in Permit G-13730, as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles	
						Well 8	Well 9
22 S	32.5 E	WM	33	NE NW	WELL 1 (HARN 1879): 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	33	NE NW	WELL 2 (HARN 1912): 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33	0.6	1.5
22 S	32.5 E	WM	34	NW SE	WELL 3 (HARN 50457): 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33	1.2	0.9
22 S	32.5 E	WM	34	NE SW	WELL 4 (HARN 50241): 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34	1.6	0.5
22 S	32.5 E	WM	34	SE NE	WELL 5 (HARN 50668): 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34	2.1	0.5
22 S	32.5 E	WM	34	NW NE	WELL 6 (HARN 50422): 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34	2.0	0.7
22 S	32.5 E	WM	33	NW NW	WELL 7 (HARN 50667): 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33	0.3	1.8
22 S	32.5 E	WM	32	NE NE	WELL 8 (HARN 50362): 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32	0.01	2.0
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	2.2	0.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	1.0	1.1
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.5	1.6
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32	0.1	2.2

8. Permit Amendment Application T-11803 proposes to add four points of appropriation, described as follows, to Permit G-13539:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances	Approximate distance from existing wells in miles							
						Well 1	Well 2	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8
22 S	32.5 E	WM	34	SE SE	WELL 9 (HARN 50392): 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34	1.7	1.7	1.2	0.6	0.5	0.6	3.7	2.5
22 S	32.5 E	WM	33	SW NE	WELL 10 (HARN 51682): 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33	0.5	0.5	0.3	0.8	1.2	1.1	2.4	1.2
22 S	32.5 E	WM	33	NE NW	WELL 18 (HARN 52018): 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33	0.2	.2	0.9	1.3	1.6	1.5	1.8	0.7
22 S	32.5 E	WM	32	NW NE	WELL 19 (HARN 52021): 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32	0.8	0.8	1.8	1.9	2.2	2.1	1.2	0.1

Permit Amendment Review Criteria

9. The changes would not result in injury to other water rights.

10. The changes do not enlarge the permits.

11. The changes do not alter any other terms of the permits.

Conclusions of Law

The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 is consistent with the requirements of ORS 537.211.

Now, therefore, it is ORDERED:

1. The change in points of appropriation and additional points of appropriation proposed by Permit Amendment Application T-11803 are approved.

2. Permit G-17498, in the name of Andy Root, is issued to replace Permit G-13539, and incorporates the amendments approved by this order and the extensions of time. Permit G-13539, in the name of ANDY ROOT, is no longer of any force or effect.

3. Permit G-17499, in the name of Andy Root, is issued to replace Permit G-13730, and incorporates the amendments approved by this order and the extensions of time. Permit G-13730, in the name of ANDY ROOT, is no longer of any force or effect.

4. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

5. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

   The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

6. Water shall be acquired from the same aquifer as the original points of appropriation.

7. All other terms and conditions of Permit G-17498 and Permit G-17499 remain the same.

Dated at Salem, Oregon this 24 day of November, 2015.

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

Mailing Date: NOV 25 2015

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Page 368-371 entered November 24, 2015, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-13539.

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

APPLICATION FILE NUMBER: G-14678

SOURCE OF WATER: TWELVE WELLS IN RATTLESNAKE CREEK BASIN

PURPOSE OR USE: PRIMARY IRRIGATION OF 1421.1 ACRES AND SUPPLEMENTAL IRRIGATION OF 166.8 ACRES

MAXIMUM RATE: 16.81 CUBIC FEET PER SECOND (CFS), BEING 3.8 CFS WELL 1, 1.1 CFS WELL 2, 2.8 CFS WELL 3, 2.86 CFS WELL 4, 1.6 CFS WELL 5, 0.32 CFS WELL 6, 0.33 CFS WELL 7, 4.0 CFS WELL 8; OR A CUMULATIVE RATE NOT TO EXCEED 16.81 CFS FROM ANY COMBINATION OF WELLS 1-8 AS LIMITED ABOVE, AND WELLS 9, 10, 18, AND 19.

PERIOD OF USE: APRIL 1 THROUGH SEPTEMBER 30

DATE OF PRIORITY: FEBRUARY 2, 1998

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	29	NE SW	38.0
22 S	32.5 E	WM	29	NW SW	38.0
22 S	32.5 E	WM	29	SW SW	40.0
22 S	32.5 E	WM	29	SE SW	40.0
22 S	32.5 E	WM	30	SW NE	30.3
22 S	32.5 E	WM	30	SE NE	20.3
22 S	32.5 E	WM	30	SE NW	17.7
22 S	32.5 E	WM	30	NE SE	21.3
22 S	32.5 E	WM	30	SE SE	21.6
22 S	32.5 E	WM	31	NE NE	14.9
22 S	32.5 E	WM	32	NE NE	40.0
22 S	32.5 E	WM	32	NW NE	40.0
22 S	32.5 E	WM	32	SW NE	7.7
22 S	32.5 E	WM	32	SE NE	40.0
22 S	32.5 E	WM	32	NE NW	7.8
22 S	32.5 E	WM	32	NW NW	9.2
22 S	32.5 E	WM	32	NE SW	37.4
22 S	32.5 E	WM	32	NW SW	5.0
22 S	32.5 E	WM	32	SE SW	38.3
22 S	32.5 E	WM	32	NE SE	40.0
22 S	32.5 E	WM	32	NW SE	40.0
22 S	32.5 E	WM	32	SW SE	40.0
22 S	32.5 E	WM	32	SE SE	40.0
22 S	32.5 E	WM	33	NE NE	31.4

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NW NE	31.4
22 S	32.5 E	WM	33	SW NE	31.4
22 S	32.5 E	WM	33	SE NE	31.4
22 S	32.5 E	WM	33	NE NW	31.4
22 S	32.5 E	WM	33	NW NW	31.4
22 S	32.5 E	WM	33	SW NW	31.4
22 S	32.5 E	WM	33	SE NW	31.4
22 S	32.5 E	WM	33	NE SE	31.4
22 S	32.5 E	WM	33	NW SE	31.4
22 S	32.5 E	WM	33	SW SE	31.4
22 S	32.5 E	WM	33	SE SE	31.4
22 S	32.5 E	WM	34	NE NE	31.4
22 S	32.5 E	WM	34	NW NE	31.4
22 S	32.5 E	WM	34	SW NE	31.4
22 S	32.5 E	WM	34	SE NE	31.4
22 S	32.5 E	WM	34	NE NW	31.4
22 S	32.5 E	WM	34	NW NW	31.4
22 S	32.5 E	WM	34	SW NW	31.4
22 S	32.5 E	WM	34	SE NW	31.4
22 S	32.5 E	WM	34	NE SW	31.4
22 S	32.5 E	WM	34	NW SW	31.4
22 S	32.5 E	WM	34	SW SW	31.4
22 S	32.5 E	WM	34	SE SW	31.4
				Total:	1421.1

SUPPLEMENTAL IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	32	SW NE	32.3
22 S	32.5 E	WM	32	NE NW	32.2
22 S	32.5 E	WM	32	NW NW	30.8
22 S	32.5 E	WM	32	SW NW	31.5
22 S	32.5 E	WM	32	SE NW	40.0
				Total:	166.8

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

The water user shall develop a plan to monitor and report the impact of water use under this permit on water levels within the aquifer that provides water to the permitted well(s). The plan shall be submitted to the Department within one year of the date the permit is issued and shall be subject to the approval of the Department. At a minimum, the plan shall include a program to periodically measure static water levels within the permitted well(s) or an adequate substitute such as water levels in nearby wells. The plan shall also stipulate a reference water level against which any water-level declines will be compared. If a well listed on this permit (or replacement well) displays a total static water-level decline of 25 or more feet over any period of years, as compared to the reference level, then the water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s). Such action shall be taken until the water level recovers to above the 25-foot decline level or until the Department determines, based on the water user's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit.

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

This right is limited to any deficiency in the available supply of any prior right existing for the same land.

STANDARD CONDITIONS

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

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

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

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).

Issued November 24, 2015.

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

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

This superseding permit is issued to describe an amendment for a change in point of appropriation proposed under Permit Amendment Application T-11803 and approved by Special Order Vol. 98, Pages 368-371, entered November 24, 2015, and to describe an extension of time for complete application of water approved April 22, 2011, and extension of time for complete application of water approved May 28, 2014. This permit supersedes Permit G-13730.

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

APPLICATION FILE NUMBER: G-14888

SOURCE OF WATER: WELLS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18 AND WELL 19 IN THE RATTLESNAKE CREEK BASIN

PURPOSE OR USE: IRRIGATION OF 246.4 ACRES

MAXIMUM RATE: 3.08 CUBIC FEET PER SECOND (CFS)

PERIOD OF USE: MARCH 1 TO OCTOBER 15

DATE OF PRIORITY: DECEMBER 22, 1998, FOR 3.0 CFS AND MARCH 12, 1999, FOR 0.08 CFS

AUTHORIZED POINTS OF APPROPRIATION:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
22 S	32.5 E	WM	33	NE NW	WELL 1: 25 FOOT SOUTH AND 660 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 2: 110 FEET SOUTH AND 665 FEET WEST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	34	NW SE	WELL 3: 1365 FEET NORTH AND 1365 FEET WEST FROM THE SE CORNER OF SECTION 33
22 S	32.5 E	WM	34	NE SW	WELL 4: 2710 FEET SOUTH AND 830 FEET WEST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	34	SE NE	WELL 5: 5 FEET NORTH AND 830 FEET WEST FROM THE E1/4 CORNER OF SECTION 34

22 S	32.5 E	WM	34	NW NE	WELL 6: 1320 FEET SOUTH AND 1320 FEET EAST FROM THE N1/4 CORNER OF SECTION 34
22 S	32.5 E	WM	33	NW NW	WELL 7: 25 FEET SOUTH AND 45 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NE NE	WELL 8: 35 FEET SOUTH AND 1245 FEET WEST FROM THE NE CORNER OF SECTION 32
22 S	32.5 E	WM	34	SE SE	WELL 9: 1055 FEET NORTH AND 130 FEET WEST FROM THE SE CORNER OF SECTION 34
22 S	32.5 E	WM	33	SW NE	WELL 10: 2605 FEET SOUTH AND 750 FEET EAST FROM THE N1/4 CORNER OF SECTION 33
22 S	32.5 E	WM	33	NE NW	WELL 18: 5' SOUTH AND 1320 FEET EAST FROM THE NW CORNER OF SECTION 33
22 S	32.5 E	WM	32	NW NE	WELL 19: 5' SOUTH AND 2000 FEET WEST FROM THE NE CORNER OF SECTION 32

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second (or its equivalent) and 3.0 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
22 S	32.5 E	WM	33	NE SW	30.2
22 S	32.5 E	WM	33	NW SW	30.2
22 S	32.5 E	WM	33	SW SW	30.2
22 S	32.5 E	WM	33	SE SW	30.2
22 S	32.5 E	WM	34	NE SE	31.4
22 S	32.5 E	WM	34	NW SE	31.4
22 S	32.5 E	WM	34	SW SE	31.4
22 S	32.5 E	WM	34	SE SE	31.4
				Total:	246.4

PERMIT AMENDMENT T-11803 CONDITIONS

1. The combined quantity of water diverted at the new points of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

2. Prior to water use from the proposed points of appropriation, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each point of appropriation. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

3. Water shall be acquired from the same aquifer as the original points of appropriation.

EXISTING CONDITIONS

Measurement, recording and reporting conditions:

A. Before water use may begin under this permit, the permittee shall install a meter or other suitable measuring device as approved by the Director. The permittee shall maintain the meter or measuring device in good working order, shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.

B. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where the meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.

In the event of a request for a change in point of appropriation, an additional point of appropriation or alteration of the appropriation facility associated with this authorized diversion, the quantity of water allowed herein, together with any other right, shall not exceed the capacity of the facility at the time of perfection of this right.

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

STANDARD CONDITIONS

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

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

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

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

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

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

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

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

Complete application of the water to the use shall be made on or before October 1, 2018. Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Right Examiner (CWRE).

Issued November 24, 2015.

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

Mailing List for Extension FO Copies

FO Date: March 28, 2014

Copies Mailed

Application G-14888
Permit G-13730

By: BW
On: 3/28/14

Original mailed to permit holder

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

Copies sent to:

1. WRD - App. File G-14888/ Permit G-13730

Fee paid as specified under ORS 536.050 to receive copy:

2. None

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

3. WRD - Watermaster District 10, vacant
4. WRD – ER Regional Manager, Jason Spriet ✓ SWP 3/27/14
   NOTE:Send FO's Region Managers ONLY if denied.
5. Margaret Ritches, commenter to application public notice, highdeserthair@hotmail.com ✓ 4-1-14 SWP
6. Thad Hillman, commenter to application public notice, twhillman@live.com ✓ 4-1-14 SWP

CASEWORKER: SWP

Oregon Water Resources Department
Water Right Services Division

Water Rights Application
Number G-14888

Final Order

Extension of Time for Permit Number G-13730
Permit Holder: Andy Root

Permit Information
Application File G-14888 Permit G-13730
Basin: 12 – Malheur Lake / Watermaster District 10
Date of Priority: December 22, 1998 for 3.0 cfs and March 12, 1999, for 0.08 cfs

Authorized Use of Water
Source of Water: Well 8 and Well 9 in the Rattlesnake Creek Basin
Purpose of Use: Irrigation of 246.4 Acres
Maximum Rate: 3.08 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-13730 was issued by the Department on September 1, 1999. The permit called for actual construction of the well to begin by July 30, 2000, and complete application of water to beneficial use by October 1, 2003, previously extended to October 1, 2011. On March 26, 2013, Andy Root submitted to the Department an Application for Extension of Time for Permit G-13730. In accordance with OAR 690-315-0050(2), on September 24, 2013, the Department issued a Proposed Final Order proposing to extend the time to complete construction of the water

system and the time to fully apply water to beneficial use to October 1, 2018. The protest period closed November 8, 2013, in accordance with OAR 690-315-0060(1). No protest was filed.

Findings of Fact

Except as expressly stated herein, the Department adopts and incorporates by reference the findings of fact in the Proposed Final Order dated September 24, 2013.

Exception to the Proposed Final Order:

> The permit does not contain a deadline date by which construction must be completed, so it is not necessary to extend the deadline for completing construction of the water system as was requested in the Application for Extension of Time and as proposed by the Department in the Proposed Final Order. This Final Order, therefore, does not incorporate an extension of the time to complete construction of the water system.
>
> The Application for Extension of Time notes the construction of "Well 10" in December, 2009. Well 10 is not currently authorized by Permit G-13730 as a water source on this permit. A Permit Amendment to add this well must be approved by the Department prior to becoming an authorized well under this permit.

At time of issuance of the Proposed Final Order the Department concluded that, based on the factors demonstrated by the applicant, any comments received, and information within the file, the permit may be extended subject to no additional conditions.

CONCLUSION OF LAW

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

ORDER

The extension of time for Application G-14888, Permit G-13730, therefore, is approved. The deadline for applying water to full beneficial use within the terms and conditions of the permit is extended from October 1, 2011 to October 1, 2018.

DATED: March 28, 2014

Dwight W. French, Administrator, Water Right Services Division,
for PHILLIP C. WARD, DIRECTOR

- If you have any questions about statements contained in this document, please contact Steven Parrett at (503) 986-0825.
- If you have other questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at (503) 986-0900

Oregon
Kate Brown, Governor

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

October 18, 2018

Andy Root
524 Hwy 20 N
Hines, OR 97738

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

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

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

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

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

Customer Service phone: (503) 986-0801

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

Cc: file
Scott Montgomery, CWRE

STATE OF OREGON

WATER RESOURCES DEPARTMENT

RECEIPT # 128205

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 Custom Work

BY: _____

APPLICATION	G-14880
PERMIT	
TRANSFER	
TOTAL REC'D	$ 200.00

CASH: ☐ CHECK:# ☒ 29904 OTHER: (IDENTIFY) ☐ _____

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

46111

MISCELLANEOUS

0407	COPY & TAPE FEES	$
0410	RESEARCH FEES	$
0408	MISC REVENUE: (IDENTIFY) _____	$
TC162	DEPOSIT LIAB. (IDENTIFY) _____	$
0240	EXTENSION OF TIME	$

WATER RIGHTS:

		EXAM FEE		RECORD FEE
0201	SURFACE WATER	$	0202	$
0203	GROUND WATER	$	0204	$
0205	TRANSFER	$		

WELL CONSTRUCTION

		EXAM FEE		LICENSE FEE
0218	WELL DRILL CONSTRUCTOR	$	0219	$
	LANDOWNER'S PERMIT		0220	$

0200 OTHER (IDENTIFY) COBL $ 200.00

0536 TREASURY 0437 WELL CONST. START FEE

0211	WELL CONST START FEE	$	CARD #	
0210	MONITORING WELLS	$	CARD #	

_____ OTHER (IDENTIFY) _____

0607 TREASURY 0467 HYDRO ACTIVITY LIC NUMBER

0233	POWER LICENSE FEE (FW/WRD)		$
0231	HYDRO LICENSE FEE (FW/WRD)		$
_____	HYDRO APPLICATION		$

_____ TREASURY OTHER / RDX

FUND _____ TITLE _____

OBJ. CODE _____ VENDOR # _____

DESCRIPTION _____ $

RECEIPT: 128205 DATED: 10-15-18 BY: _____

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

G-14888

Oregon

John A. Kitzhaber, MD, 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

May 2, 2014

ANDY ROOT
524 HWY 20 N
HINES, OR 97738

Reference: Application T- 11803

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

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

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

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

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

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

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

Enclosure

ACW, INC. DBA ANDY'S CUSTOM WORK 29904

Oregon Water Resources Department 9/11/18

5530 · License & Dues 200.00

Business Banking- Ba G-18091 200.00

Oregon
John A. Kitzhaber, MD, Governor

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

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

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

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

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

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

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

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

Oregon Water Resources Department
Water Right Services Division

Application for Extension of Time

In the Matter of the Application for an Extension of Time)
for Permit G-13730, Water Right Application G-14888) PROPOSED FINAL ORDER
in the name of Andy Root)

Permit Information

Application File G-14888 Permit G-13730
Basin: 12 – Malheur Lake / Watermaster District 10
Date of Priority: March 12, 1999

Authorized Use of Water
Source of Water: Well 8 and Well 9 in the Rattlesnake Creek Basin
Purpose of Use: Irrigation of 246.4 Acres
Maximum Rate: 3.08 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

Please read this Proposed Final Order in its entirety.

This Proposed Final Order applies only to Permit G-13730, water right Application G-14888.
A copy of Permit G-13730 is enclosed as Attachment 1.

Summary of Proposed Final Order for Extension of Time

The Department proposes to:

- Grant an extension of time for complete construction of the water system and of time to apply water to full beneficial use from October 1, 2011 to October 1, 2018.

ACRONYM QUICK REFERENCE

Department – Oregon Department of Water Resources
PFO – Proposed Final Order

Units of Measure
cfs – cubic feet per second
gpm – gallons per minute

AUTHORITY

Generally, see ORS 537.630 and OAR Chapter 690 Division 315.

ORS 537.630(1) provide in pertinent part that the Oregon Water Resources Department (Department) may, for good cause shown, order an extension of time within which: irrigation or other works shall be completed; the well or other means of developing and securing ground water shall be completed; or the right perfected. In determining the extension, the Department shall give due weight to the considerations described under ORS 539.010(5) and to whether other governmental requirements relating to the project have significantly delayed completion of construction or perfection of the right.

ORS 539.010(5) provides in pertinent part that the Water Resources Director, for good cause shown, may extend the time within which the full amount of the water appropriated shall be applied to a beneficial use. This statute instructs the Director to consider: the cost of the appropriation and application of the water to a beneficial purpose; the good faith of the appropriator; the market for water or power to be supplied; the present demands therefore; and the income or use that may be required to provide fair and reasonable returns upon the investment.

OAR 690-315-0040 provides in pertinent part that the Water Resources Department shall make findings to determine if an extension of time may be approved to complete construction and/or apply water to full beneficial use.

FINDINGS OF FACT

Background

1. Permit G-13730 was granted by the Department on September 1, 1999. The permit authorizes the use of up to 3.08 cfs of water from Well 8 and Well 9 in the Rattlesnake Creek Basin for irrigation of 246.4 acres. The permit specified construction of the water system was to be completed by October 1, 2003, and complete application of water was to be made on or before October 1, 2004.

2. Two prior permit extensions have been granted for Permit G-13730. The most recent extension request resulted in the completion dates for construction and full application of water being extended from October 1, 2010 to October 1, 2011.

3. The permit holder submitted an "Application for Extension of Time" to the Department on March 26, 2013 requesting the time to complete construction of the water system and the time to apply water to full beneficial use under the terms and conditions of Permit G-13730 be extended from October 1, 2011 to October 1, 2018. This is the third permit extension requested for Permit G-13730.

4. Notification of the Application for Extension of Time for Permit G-13730 was published in the Department's Public Notice dated April 16, 2013.

5. As a result of the April 16, 2013, Public notice, the Department received several comments relating to the extension of time request for Permit G-13730. The comments mainly raised issues associated with the permit holder's substantial development and potential interference with neighboring wells, which were considered in the processing of the application for an extension of time.

Review Criteria *[OAR 690-315-0040]*

The time limits to complete construction and/or apply water to full beneficial use may be extended if the Department finds that the permit holder has met the requirements set forth under OAR 690-315-0040. This determination shall consider the applicable requirements of ORS 537.230[1], 537.248[2], 537.630[3] and/or 539.010(5)[4].

Complete Extension of Time Application *[OAR 690-315-0040(1)(a)]*

6. On March 26, 2013, the Department received a completed Application for Extension of Time and the fee specified in ORS 536.050 from the permit holder.

Start of Construction *[OAR 690-315-0040(1)(b) and 690-315-0040(5)]*

7. Actual construction of the well began prior to the deadline specified in the permit.

Duration of Extension *[OAR 690-315-0040(1)(c)]*

Under OAR 690-315-0040(1)(c), in order to approve an extension of time for water use permits the Department must find that the time requested is reasonable and the applicant can complete the project within the time requested.

8. As of March 26, 2013, the remaining work to be completed consists of completing construction of the water system and applying water to full beneficial use.

---

[1]ORS 537.230 applies to surface water permits only.

[2]ORS 537.248 applies to reservoir permits only.

[3]ORS 537.630 applies to ground water permits only.

[4]ORS 539.010(5) applies to surface water and ground water permits.

9. Given the amount of development left to occur, the Department has determined that the permit holder's request to have until October 1, 2018, to complete construction of the water system and to accomplish the application of water to beneficial use under the terms and conditions of Permit G-13730 is both reasonable and necessary.

Good Cause *[OAR 690-315-0040(1)(d)]*

The Department's determination of good cause shall consider the requirements set forth under OAR 690-315-0040(2).

Reasonable Diligence of the Appropriator *[OAR 690-315-0040(2)(a)]*
The Department's determination of reasonable diligence shall consider the requirements set forth under OAR 690-315-0040(3)(a-d). In accordance with OAR 690-315-0040(3), the Department shall consider, but is not limited to, the following factors when determining whether the applicant has demonstrated reasonable diligence in previous performance under the permit:

Amount of Construction *[OAR 690-315-0040(3)(a)]*

10. Work was accomplished within the time allowed in the permit or previous extension as follows:

    a. Construction of the well and water system began prior to the deadline specified in the permit.

    b. Work was completed (specified in the Application for an Extension of Time) during the original development time frame under Permit G-13730.

Beneficial Use of Water *[OAR 690-315-0040(3)(b)]*

11. The following beneficial use of water was made during the permit or previous extension time limits:

    a. Since the issuance of Permit G-13730 on September 1, 1999, a maximum rate of 3.08 cfs of water has been appropriated from the well for irrigation of 240.1 acres. The authorized amount of water for irrigation use is 3.08 cfs.

Compliance with Conditions *[OAR 690-315-0040(3)(c)]*

12. The water right permit holder's conformance with the permit or previous extension conditions.

    a. The Department has considered the permit holder's compliance with conditions, and did not identify any concerns.

Financial Investments *[OAR 690-315-0040(3)(d)]*

13. Financial investments made toward developing the beneficial water use.

    As of March 26, 2013, the permit holder has invested approximately $305,250, which is approximately 97 percent of the total projected cost for complete development of this project.

Cost to Appropriate and Apply Water to a Beneficial Purpose *[OAR 690-315-0040(2)(b)]*

14. The permit holder anticipates an additional $10,000 investment is needed for the completion of this project.

Good Faith of the Appropriator *[OAR 690-315-0040(2)(c)]*

15. The Department has found good faith of the appropriator under Permit G-13730.

The Market and Present Demands for Water *[OAR 690-315-0040(2)(d-e)]*
The Department's determinations of market and present demand for water or power to be supplied shall consider the requirements set forth under OAR 690-315-0040(4)(a-f). In accordance with OAR 690-315-0040(4), the Department shall consider, but is not limited to, the following factors when determining the market and the present demand for water or power to be supplied:

16. The amount of water available to satisfy other affected water rights and scenic waterway flows; special water use designations established since permit issuance, including but not limited to state scenic waterways, federal wild and scenic rivers, serious water management problem areas or water quality limited sources established under 33 U.S.C. 1313(d); or the habitat needs of sensitive, threatened or endangered species, in consultation with the Oregon Department of Fish and Wildlife *[OAR 690-315-0040(4)(a-c)]*.

    a. The amount of water available to satisfy other affected water rights and scenic waterway flows was determined at the time of issuance of Permit G-13730; furthermore, water availability for other affected water rights and scenic waterway flows after the permit was issued is determined at such time that such application for a new water right is submitted. The points of appropriation for Permit G-13730, located within the Rattlesnake Creek Basin Basin, are not located within a limited or critical ground water area. Rattlesnake Creek Basin is not located within or above any state or federal scenic waterway, however it is located within an area ranked "low" for stream flow restoration needs as determined by the Department in consultation with the Oregon Department of Fish and Wildlife, and is located within a Sensitive, Threatened or Endangered Fish Species Area as identified by the Department in consultation with Oregon Department of Fish and Wildlife. Rattlesnake Creek Basin is not listed by the Department of Environmental Quality as a water quality limited stream.

17. Economic investment in the project to date *[OAR 690-315-0040(4)(d)]*.

    As of March 26, 2013, the permit holder has invested approximately $305,250.

18. Other economic interests dependent on completion of the project *[OAR 690-315-0040(4)(e)]*.

    None have been identified.

19. Other factors relevant to the determination of the market and present demand for water and power *[OAR 690-315-0040(4)(f)]*.

a. None have been identified.

Fair Return Upon Investment *[OAR 690-315-0040(2)(f)]*

20. Use and income from the permitted water development will likely result in reasonable returns upon the investment made to date.

Other Governmental Requirements *[OAR 690-315-0040(2)(g)]*

21. Delay in the development of this project was not caused by any other governmental requirements.

Unforeseen Events *[OAR 690-315-0040(2)(h)]*

22. None have been identified.

CONCLUSIONS OF LAW

1. The applicant is entitled to apply for an extension of time to complete construction and/or completely apply water to the full beneficial use pursuant to ORS 537.630(1).

2. The applicant has submitted a complete extension application form and the fee specified in ORS 536.050, as required by OAR 690-315-0040(1)(a).

3. The applicant complied with begin actual construction timeline requirements pursuant to ORS 537.630 as required by OAR 690-315-0040(1)(b) and OAR 690-315-0040(5).

4. Completion of construction and full application of water to beneficial use can be accomplished by October 1, 2018[5], 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

[5]Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permittee shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permittee shall submit a map of the survey and a new or revised claim of beneficial use as deemed appropriate by the Department.

cause exists for an extension of time to apply water to full beneficial use pursuant to OAR 690-315-0040(1)(d).

Proposed Order

Based upon the foregoing Findings of Fact and Conclusions of Law, the Department proposes to issue an order to:

> Extend the time for complete construction of the water system and the time to apply water to beneficial use under Permit G-13730 from October 1, 2011 to October 1, 2018.

DATED: September 24, 2013

Dwight W. French, Administrator
Water Right Services Division

If you have any questions, please check the information box on the last page for the appropriate names and phone numbers.

Proposed Final Order Hearing Rights

1. Under the provisions of OAR 690-315-0100(1) and 690-315-0060, the applicant or any other person adversely affected or aggrieved by the proposed final order may submit a written protest to the proposed final order. The written protest must be received by the Water Resources Department no later than **November 8, 2013,** being 45 days from the date of publication of the proposed final order in the Department's weekly notice.

2. A written protest shall include:

   a. The name, address and telephone number of the petitioner;
   b. A description of the petitioner's interest in the proposed final order and if the protestant claims to represent the public interest, a precise statement of the public interest represented;
   c. A detailed description of how the action proposed in the proposed final order would adversely affect or aggrieve the petitioner's interest;
   d. A detailed description of how the proposed final order is in error or deficient and how to correct the alleged error or deficiency;
   e. Any citation of legal authority supporting the petitioner, if known;

f. Proof of service of the protest upon the water right permit holder, if petitioner is other than the water right permit holder; and

g. The applicant or non-applicant protest fee required under ORS 536.050.

3. Within 60 days after the close of the period for requesting a contested case hearing, the Director shall:

a. Issue a final order on the extension request; or

b. Schedule a contested case hearing if a protest has been submitted, and:

1) Upon review of the issues, the Director finds there are significant disputes related to the proposed agency action; or

2) The applicant submits a written request for a contested case hearing within 30 days after the close of the period for submitting protests.

- If you have any questions about statements contained in this document, please contact Michele McAleer at (503) 986-0825.
- If you have questions about how to file a protest or if you have previously filed a protest and you want to know the status, please contact Patricia McCarty at 503-986-0819.
- If you have any questions about the Department or any of its programs, please contact our Water Resources Customer Service Group at 503-986-0801.
- Address any correspondence to : Water Right Services Division
  725 Summer St NE, Suite A
  Fax: 503-986-0901 Salem, OR 97301-1266

Mailing List for Extension PFO Copies

PFO Date: September 24, 2013

Copies Mailed

By: SH
On: 9-24-13

Application G-14888
Permit G-13730

Original mailed to Applicant:

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

Copies sent to:

1. WRD - App. File G-14888/ Permit G-13730

Fee paid as specified under ORS 536.050 to receive copy:

2. None

Receiving *via e-mail* (10 AM Tuesday of signature date)
(DONE BY EXTENSION SPECIALIST)

3. Thad Hillman, at twhillman@live.com
4. LaVonne Ritches, Margaret Ritches, and Shirley Mingus, at highdeserthair@hotmail.com

MRM

CASEWORKER: MRM

Extension PFO Checklist for

Other than Muni or Quasi-Municipal

Water Use Permits

(OAR 690-315-0010 through OAR 690-315-0060)

Application: G- 14888 Permit: G- 13730 Permit Amendment? No ☐ Yes ☒ T- ____ ☒ pending ~~☒ approved~~

Pending App.

Permit Holder's Name: Andy Root

Permit Holder's Mailing Address: HC 73 174 Harney Rd, Burns, OR 97720 email n/a

Phone Number: 541-493-3645

POD Location: Township 22S Range 32.5E Section 32 ¼¼ NENE

Drainage Basin: 12 County: Harney Watermaster District: 10 Watermaster: Tony Rutherford

Date Permit was issued: 9/1/1999 **Priority Date:** 3/12/1999 **Date of PN:** 4/16/2013

Source: WELL 8 AND WELL 9 IN THE RATTLESNAKE CREEK BASIN

Use: IRRIGATION OF 246.4 ACRES

"Q": 3.08 CUBIC FEET PER SECOND (CFS)

Orig "A" Date: 7/30/2000 **Orig "B" Date:** 10/1/2003 **Orig "C" Date:** 10/1/2004

Extension request rec'd: 3/26/2013 **Last Authorized "B" Date:** 10/1/____ **Last Authorized "C" Date:** 10/1/2011

Request Number (1, 2, 3...): 3 **Proposed "B" Date:** 10/1/____ **Proposed C Date:** 10/1/2018

Conditions of Permit:

Condition Met?	Condition Not Met?	Permit Condition
☒	☐	Shall install a meter or other suitable meas device/maintain/keep complete record of use/allow WM access
☐	☐	
☐	☐	
☐	☐	
☐	☐	

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: $**305,250** Estimated Remaining Cost: $**10,000**

☒ ☐ Beneficial use made of the water during the permit or previous extension time limits

- Permit holder has beneficially used **8.9** ☒cfs ☐gpm ☐af of the total permitted quantity of water on ~~240~~ 241 acres

Capability to pump 8.9 cfs on well — not and used 3.0 CFS

GW REVIEW: Y N ____

MITIGATION REVIEW: Y N

Has the applicant pursued perfection of the right in good faith and with reasonable diligence? Yes ☒ No ☐

Determination of the market and the present demand for water or power to be supplied:

Identify the closest surface water or localized water basin. Rattlesnake Creek Basin

Ground Water Permits: Is the POA located…

Surface Water Permits: Is the POD located…

Yes No

☐ ☒ above a state scenic waterway? Name Source: OWRD "Areas Above State Scenic Waterways" Map

☐ ☒ within a stream segment designated as a federal wild and scenic river? Source: www.rivers.gov/wildriverslist.html

☒ ☐ within a sensitive, threatened or endangered species area Source: "/gisdata/dev/projects/salmon/div33map.aml"

☐ ☒ within a critical or limited Ground Water Area? Name of area

☐ ☒ within a Withdrawn Area? Name of area

☐ ☒ in a waterbody listed on the DEQ Section 303(d) List of Water Quality Limited Areas? Date added to list

☒ ☐ within an area ranking ☒low / ☐moderate / ☐high / ☐highest for stream flow restoration needs Source: OWRD "Streamflow Restoration Needs" Maps (by region)

Based on the written record, can the Department make a finding of "Good Cause" to approve the extension request?

Yes... "Good Cause" can be found. ☒ Approval of Extension Request

No ... "Good Cause" *cannot* be found. ☐ Denial of Extension Request

Conditions to be included in Extension PFO (if applicable)? Yes ☐ No ☒

*(**NOTE:** Check the file record for documentation to add a condition(s) at the extension stage.)*

☐ 5-year Progress Report Checkpoints (Years: _____)

☐ Other: _____

Footnote regarding Claim of Beneficial Use. Choose the appropriate language below and insert as a footnote in the PFO:

☐ **COBU Requirement - Surface/Ground Water - on or prior to July 9, 1987**

"For permits applied for or received on or before July 9, 1987, upon complete development of the permit, you must notify the Department that the work has been completed and either: (1) Hire a water right examiner certified under ORS 537.798 to conduct a survey, the original to be submitted as required by the Water Resources Department, for issuance of a water right certificate; or (2) Continue to appropriate water under the water right permit until the Water Resources Department conducts a survey and issues a water right certificate under ORS 537.250 or 537.625."

☐ **COBU Requirement - Surface Water - post July 9, 1987**

"Pursuant to ORS 537.230(4), upon the completion of beneficial use of water allowed under the permit, the permit holder shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permit holder shall submit a map of the survey and the claim of beneficial use."

☒ **COBU Requirement - Ground Water - post July 9, 1987**

"Pursuant to ORS 537.630(4), upon the completion of beneficial use of water allowed under the permit, the permit holder shall hire a certified water rights examiner to survey the appropriation. Within one year after the complete application of water to a beneficial use (or by the date allowed for the complete application of water to a beneficial use), the permit holder shall submit a map of the survey and the claim of beneficial use."

NOTES:

* add commenters to mailing list for PFO/FO.
1) Thad Hillman, TWhillman@live.com
2) LaVonne and Margaret Ritches, and Shirley Mingus, highdeserthair@hotmail.com

Extension "PFO" Dates

Mailing / Issuance Date: _____ **Protest Deadline Date:** _____

Reviewer's Name: [illegible] **Date:** 3/8/2013