

# Application for a Permit to Use Ground Water



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

## Water-Use Permit Application Processing

### 1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 ([www.oregon.gov/owrd/law](http://www.oregon.gov/owrd/law)). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

### 2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$200. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

### 3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at [www.oregon.gov/owrd](http://www.oregon.gov/owrd). The public comment period is 30 days from publication in the weekly notice.

### 4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

### 5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$350.00 for the applicant and \$700.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed, the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

### 6. Final Order Issued

If no protests are filed, the Department issues a Final Order consistent with the PFO. If the application is approved, a permit is issued that specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

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# Application for a Permit to Use Ground Water



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

## SECTION 1: APPLICANT INFORMATION AND SIGNATURE

### Applicant Information

NAME ANDY ROOT		PHONE (HM)	
PHONE (WK) 541-573-3615	CELL		FAX
ADDRESS 524 HWY 20 N			
CITY HINES	STATE OR	ZIP 97738	E-MAIL*

### Organization Information

NAME		PHONE		FAX
ADDRESS			CELL	
CITY	STATE	ZIP	E-MAIL*	

### Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT / BUSINESS NAME SCOTT D. MONTGOMERY		PHONE 541-548-5833	FAX 541-585-4602
ADDRESS PO BOX 767			CELL 541-420-0401
CITY TERREBONNE	STATE OR	ZIP 97760	E-MAIL* SCOTT@APEANDS.COM

Note: Attach multiple copies as needed

\* By providing an e-mail address, consent is given to receive all correspondence from the department electronically. (paper copies of the final order documents will also be mailed.)

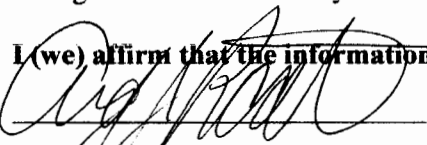
### By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.

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I (we) affirm that the information contained in this application is true and accurate.

APR 11 2014



**Andy Root, Owner**

3-24-14

Applicant Signature

Print Name and title if applicable

Date

SALEM, OR

Applicant Signature

Print Name and title if applicable

Date

For Department Use

Revised 2/1/2013

App. No. G-17834

Permit No. \_\_\_\_\_

Date \_\_\_\_\_

Ground Water

WR

**SECTION 2: PROPERTY OWNERSHIP**

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- Yes
  - There are no encumbrances.
  - This land is encumbered by easements, rights of way, roads or other encumbrances.
- No
  - I have a recorded easement or written authorization permitting access.
  - I do not currently have written authorization or easement permitting access.
  - Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
  - Water is to be diverted, conveyed, and/or used only on federal lands.

List the names and mailing addresses of all affected landowners (*attach additional sheets if necessary*).

\_\_\_\_\_

**You must provide the legal description of :** 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map.

**SECTION 3: WELL DEVELOPMENT**

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
1	Harney Lake		
5	Harney Lake		
7	Harney Lake		
9	Harney Lake		
10	Harney Lake		
11	Harney Lake		
12	Harney Lake		
13	Harney Lake		
14	Harney Lake		
15	Harney Lake		

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Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials (*attach additional sheets if necessary*).

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SECTION 3: WELL DEVELOPMENT, CONTINUED

Corrected

Total maximum rate requested: 4.62 cfs (each well will be evaluated at the maximum rate unless you indicate well-specific rates and actual flow rates on the table below).

WATER RESOURCES DEPT

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NUMBER NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO. OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACFB-FEET)
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L102506	<input type="checkbox"/>	14"	1 to 107		0 to -18	33' (2010)	Cinder, Sandstone	170'		
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L2665	<input type="checkbox"/>	16" 14"	+2 to 38 -25 to -105		0 to -105	74' (2005)	Cinder, Sandstone, Clay	125'		
7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L72702	<input type="checkbox"/>	14"	+3 to 77		0 to -44	98' (2006)	Cinder, Sandstone, Clay	375'		
9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L107672	<input type="checkbox"/>	14"	2 to 110		0 to -18	103' (2012)	Cinder, Sandstone, Clay	188'		
10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L102536	<input type="checkbox"/>	14"	1.5 to 60		0 to -18	104' (2011)	Cinder, Sandstone, Clay	167'		
11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L102534	<input type="checkbox"/>	14"	2 to 102		0 to -24	104' (2011)	Cinder, Clay	195'		
12	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L10765	<input type="checkbox"/>	14"	2 to 108		0 to -18	88' (2011)	Cinder, Clay	170'		
13	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L104470	<input type="checkbox"/>	14"	0 to 35		0 to -35	92' (2008)	Clay, Sandstone	280'		
14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L109033	<input type="checkbox"/>	14"	2 to 94		0 to -18	94' (2012)	Cinder, Sandstone, Clay	232'		
15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L11173	<input type="checkbox"/>	14"	2 to 183		0 to -18	107' (2013)	Cinder, Sandstone, Clay	310'		

650617-D

**SECTION 3: WELL DEVELOPMENT, CONTINUED**

incorrect

Total maximum rate requested: 1.73 (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACFB-FEET)
1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L102506	<input type="checkbox"/>	14"	1 to 107		0 to -18	33' (2010)	Cinder, Sandstone	170'		
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L266.5	<input type="checkbox"/>	16" 14"	+2 to 38 -25 to -105		0 to -105	74' (2005)	Cinder, Sandstone, Clay	125'		
7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L72702	<input type="checkbox"/>	14"	+3 to 77		0 to -44	98' (2006)	Cinder, Sandstone, Clay	375'		
9	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L107672	<input type="checkbox"/>	14"	2 to 110		0 to -18	103' (2012)	Cinder, Sandstone, Clay	188'		
10	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L102536	<input type="checkbox"/>	14"	1.5 to 60		0 to -18	104' (2011)	Cinder, Sandstone, Clay	167'		
11	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L102534	<input type="checkbox"/>	14"	2 to 102		0 to -24	104' (2011)	Cinder, Clay	195'		
12	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L10765	<input type="checkbox"/>	14"	2 to 108		0 to -18	88' (2011)	Cinder, Clay	170'		
13	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L104470	<input type="checkbox"/>	14"	0 to 35		0 to -35	92' (2008)	Clay, Sandstone	280'		
14	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L109033	<input type="checkbox"/>	14"	2 to 94		0 to -18	94' (2012)	Cinder, Sandstone, Clay	232'		
15	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L111.73	<input type="checkbox"/>	14"	2 to 183		0 to -18	107' (2013)	Cinder, Sandstone, Clay	310'		

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- \* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
- \*\* A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
- \*\*\* Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

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**SECTION 4: WATER USE**

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
IR	1 Mar – 31 Oct	831.0

**Exempt Uses:** Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.

**For irrigation use only:**  
 Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).  
 Primary: 277.0 Acres                      Supplemental: \_\_\_\_\_ Acres  
 List the Permit or Certificate number of the underlying primary water right(s): \_\_\_\_\_  
 Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 831

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: \_\_\_\_\_  
 If the use is **mining**, describe what is being mined and the method(s) of extraction: \_\_\_\_\_

**SECTION 5: WATER MANAGEMENT**

**A. Diversion and Conveyance**

What equipment will you use to pump water from your well(s)?

Pump (give horsepower and type): 10 turbine pumps w/motors of 60, 75, 200 & 250 hp

Other means (describe):

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Water is proposed to be pumped from several wells in the piped irrigation system to existing center pivot sprinklers and the 7 proposed pivots.

**B. Application Method**

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)  
Low pressure nozzles from center pivot sprinklers & high pressure end guns.

**C. Conservation**

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.

Piping the irrigation system in buried pipe and applying water by low pressure sprinklers from pivots will reduce ground scouring and runoff. A water use monitoring plan is currently in effect for all existing wells on water rights to report adverse effects to the basin.

**SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR**

If you would like to store ground water in a reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Reservoir name: \_\_\_\_\_ Acreage inundated by reservoir: \_\_\_\_\_

Use(s): \_\_\_\_\_

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Volume of Reservoir (acre-feet): \_\_\_\_\_ Dam height (feet, if excavated, write "zero"): \_\_\_\_\_

*Note: If the dam height is greater than or equal to 10.0' above land surface AND the reservoir will store 9.2 acre feet or more, engineered plans and specifications must be approved prior to storage of water.*

**SECTION 7: USE OF STORED GROUND WATER FROM THE RESERVOIR**

If you would like to use stored ground water from the reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Annual volume (acre-feet): \_\_\_\_\_

USE OF STORED GROUND WATER	PERIOD OF USE

**SECTION 8: PROJECT SCHEDULE**

Date construction will begin: 2014

Date construction will be completed: 2019

Date beneficial water use will begin: 2020

**SECTION 9: WITHIN A DISTRICT**

Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

**SECTION 10: REMARKS**

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*). The number of wells requested is needed to augment the existing irrigation system. The owner used the system of wells piped together to ensure flexibility due to the reoccurrence of failing wells and is requesting the rate of 1/60 cfs per acre to have adequate flow to operate a ¼ mile radius center pivot sprinkler.

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# Land Use

# Information Form



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

## NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

**This form is NOT required if:**

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and **all** of the following apply:
  - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
  - b) The application involves a change in place of use only;
  - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; **and**
  - d) The application involves irrigation water uses only.

## NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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SALEM, OR

# Land Use

## Information Form



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

Applicant: Andy

First

Root

Last

Mailing Address: 524 Highway 20 N

Hines

City

OR

State

97738

Zip

Daytime Phone: 541-573-3645

### A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service area boundaries for the tax lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
25S	30E	32	SE SW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
25S	30E	32	SW SE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NE NW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NW NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NE NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	SW NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	SE NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NE SE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	SE SE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	NW NW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	SW NW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	NW SW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	SW SW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	8	NE NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR

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List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

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SALEM, OR

**B. Description of Proposed Use**

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water     Water Right Transfer     Permit Amendment or Ground Water Registration Modification  
 Limited Water Use License     Allocation of Conserved Water     Exchange of Water

Source of water:     Reservoir/Pond     Ground Water     Surface Water (name) \_\_\_\_\_

Estimated quantity of water needed: \_\_\_\_\_     cubic feet per second     gallons per minute     acre-feet

Intended use of water:     Irrigation     Commercial     Industrial     Domestic for \_\_\_\_\_ household(s)  
                                   Municipal     Quasi-Municipal     Instream     Other \_\_\_\_\_

Briefly describe:

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**Note to applicant:** If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

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# Land Use Information Form



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

Applicant: Andy

PHM

Roof

Law

Mailing Address: 524 Highway 20 N

Harney

City

OR

State

97738

Zip

Daytime Phone: 503-573-2043

## A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service area boundaries for the tax lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
23S	30E	32	SE SW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
23S	30E	32	SW SE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NE NW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NW NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NE NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	SW NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	SE NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	NE SE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	5	SE SE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	NW NW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	SW NW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	NW SW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	SW SW			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR
26S	30E	4	NE NE			<input type="checkbox"/> Diverted	<input checked="" type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	IR

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

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[Empty rectangular box]

**B. Description of Proposed Use**

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
- Water Right Transfer
- Permit Amendment or Ground Water Registration Modification
- Limited Water Use License
- Allocation of Conserved Water
- Exchange of Water

Source of water:  Reservoir/Pond  Ground Water  Surface Water (name) \_\_\_\_\_

Estimated quantity of water needed: \_\_\_\_\_  cubic feet per second  gallons per minute  acre-foot

Intended use of water:  Irrigation  Commercial  Industrial  Domestic for \_\_\_\_\_ household(s)

Municipal  Quasi-Municipal  Instream  Other \_\_\_\_\_

Briefly describe:

[Empty rectangular box for description]

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

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## For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

**Please check the appropriate box below and provide the requested information**

- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): NC22.3.020 - EFW-2
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) If approvals have been obtained but all appeal periods have not ended, check "Being pursued."

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: Brendan McMullen, Title: Planning Director  
 Signature: [Handwritten Signature] Phone: (541) 573-6655 Date: 4/7/2014  
 Government Entity: Harney County

**Note to local government representative:** Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

### Receipt for Request for Land Use Information

Applicant name: \_\_\_\_\_  
 City or County: \_\_\_\_\_ Staff contact: \_\_\_\_\_  
 Signature: \_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_

**RECEIVED BY OWRD**

STATE OF OREGON

WATER SUPPLY WELL REPORT

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

02-04-2010

WELL LABEL # L 102506

START CARD # 1009318

(1) LAND OWNER Owner Well I.D. LEATHERS #1

First Name ANDY Last Name ROOT
Company ACW
Address 524 N HWY 20
City HINES State OR Zip 97738

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

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

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

(5) BORE HOLE CONSTRUCTION Special Standard Attach copy
Depth of Completed Well 170.00 ft.

Table with columns: Dia, From, To, Material, SEAL, To, Amt, sacks/lbs. Row 1: 18, 0, 18, Bentonite, 0, 18, 40, S.

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

Table with columns: Casing Liner Dia, From, To, Gauge, Stl, Plstc, Wld, Thrd. Row 1: 14, 1, 107, 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 Casing/ Screen green Liner Dia From To Scrn/slot width Slot length # of slots Tele/ pipe size

Table with columns: Perf/S, Casing/ Screen, green, 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

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Row 1: 1,000, 170, 1.

Temperature 60 F Lab analysis Yes By

Water quality concerns? Yes (describe below)

Table with columns: From, To, Description, Amount, Units.

(9) LOCATION OF WELL (legal description)

County Harney Twp 25.00 S N/S Range 30.00 E E/W WM
Sec 29 SW 1/4 of the SE 1/4 Tax Lot 2600
Tax Map Number Lot
Lat " or DMS or DD
Long " or DMS or DD
Street address of well Nearest address

28700 WEAVER SPRINGS RD

(10) STATIC WATER LEVEL

Table with columns: Date, SWL(psi), SWL(ft). Existing Well / Predeepening 12-01-1986 33. Completed Well 02-01-2010 70.

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 70

Table with columns: SWL, Date, From, To, Est Flow, SWL(psi), SWL(ft). Row 1: 02-01-2010, 75, 170, 1,000, 70.

(11) WELL LOG

Table with columns: Material, From, To, Ground Elevation. Includes text: RECEIVED BY OWRD, APR 11 2014, SALEM, OR.

Date Started 01-26-2010 Completed 02-01-2010

(unbonded) Water Well Constructor Certification

I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards.

License Number Date

Electronically Filed

Signed

(bonded) Water Well Constructor Certification

I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above.

License Number 1424 Date 02-04-2010

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact info (optional)

Handwritten number: 6-17834



# 5

STATE OF OREGON  
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

WELL I.D. # L 26615

START CARD # 155763

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

(1) LAND OWNER: Judy Root  
Well Number \_\_\_\_\_  
Name: Judy Root  
Address: 10. 2nd 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 125 ft. Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE SEAL table with columns: Diameter, From, To, Material, From, To, Sacks or pounds. Includes entries for Bent, Cement, and Gravel.

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

(6) CASING/LINER table with columns: Diameter, From, To, Gauge, Steel, Plastic, Welded, Threaded. Includes entries for 16, 14, and 12 inch diameters.

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

(7) PERFORATIONS/SCREENS table with columns: From, To, Slot size, Number, Diameter, Tube/pipe size, Casing, Liner. Includes a large handwritten 'X' over the table.

(8) WELL TESTS: Minimum testing time is 1 hour. Table with columns: Yield gal/min, Drawdown, Drill stem at, Time. Includes handwritten values: 1000, 51, 125, 3 hr.

Temperature of water 63 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom \_\_\_\_\_  
Did any strata contain water not suitable for intended use?  Salty  Muddy  Odor  Colored  \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL by legal description: County Harney Latitude \_\_\_\_\_ Longitude \_\_\_\_\_  
Township 25 S N of Range 30 E of W. WM  
Section 33 SW 1/4 NE 1/4  
Tax Lot 3609 Lot \_\_\_\_\_ Block \_\_\_\_\_ Subdivision \_\_\_\_\_  
Street Address of Well (or nearest address) 1 mi west of End of Wagon Springs Burns, OR.

(10) STATIC WATER LEVEL: 74 ft. below land surface. Date 1-18-05  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

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

Table with columns: From, To, Estimated Flow Rate, SWL. Includes handwritten entry: 117, 125, 1000, 74.

(12) WELL LOG: Ground Elevation \_\_\_\_\_

WELL LOG table with columns: Material, From, To, SWL. Includes handwritten entries: Top Soil, Brown Sand, Stone, Brown Clay, Fractured Basalt, Hard Gray Basalt, Red Brown, Gray Cinders w/white clay, Hard Brown Basalt.

Date started 1-12-05 Completed 1-18-05

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

(bonded) Water Well Constructor Certification:  
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
WWC Number 1521  
Signed Donald H. Reed Date 1-18-05

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FEB 17 2005

# HARN 51272

#7

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

WELL I.D. # L 72702  
START CARD # 169131

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

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

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

(3) DRILL METHOD  
 Rotary Air  Rotary Mud  Cable  Auger  Cable Mud  
 Other \_\_\_\_\_

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

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

BORE HOLE				SEAL	
Diameter	From	To	Material	From	To
18"	0	44	Bent	0	24
14"	44	240	Concrete		1 yd
12"	240	375			

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

(6) CASING/LINER

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14"	43	77	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

(7) PERFORATIONS/SCREENS  
 Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

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

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

Yield gal/min	Drawdown	Drill stem at	Time
550	102	200	46

Temperature of water 60 Depth Artesian Flow Found \_\_\_\_\_  
Was a water analysis done?  Yes By whom NO  
Did any strata contain water not suitable for intended use?  No  Too little  
 Salty  Muddy  Odor  Colored  Other \_\_\_\_\_  
Depth of strata: \_\_\_\_\_

(9) LOCATION OF WELL (legal description)  
County Harney  
Tax Lot 2002 Lot \_\_\_\_\_  
Township 20025 N or S Range 30 E or W WM  
Section 34 SE 1/4 SW 1/4  
Lat \_\_\_\_\_ " or \_\_\_\_\_ (degrees or decimal)  
Long \_\_\_\_\_ " or \_\_\_\_\_ (degrees or decimal)

Street Address of Well (or nearest address) End of Weaver Springs Rd Burns, OR 97720

(10) STATIC WATER LEVEL  
98 ft. below land surface. Date 4-30-06  
\_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES

From	To	Estimated Flow Rate	SWL
349	371	500	98

(12) WELL LOG

Material	From	To	SWL
Top Soil	0	3	
Cluders	3	26	
Brown Sand			
Stone	26	35	
Brown Basalt w/ Clay seams			
Crack	35	349	
White, Brown + Blue Muds	349	371	98
Green Clay	371	375	

Date Started 3-26-06 Completed 4-30-06  
APR 11 2014

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

WWC Number \_\_\_\_\_ Date \_\_\_\_\_

Signed \_\_\_\_\_ **RECEIVED**

(bonded) Water Well Constructor Certification  
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
MAY 24 2006  
WATER RESOURCES DEPT  
SALEM, OREGON

WWC Number 1521 Date 4-30-06  
Signed Donald H. Reed

G1-7834

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

Fe HARN 51272 Log # 1  
Harn 51272

WELL I.D.# L 72702  
START CARD # 169131

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

(1) LAND OWNER Name And. Root Well Number \_\_\_\_\_  
Address P.O. Box 946  
City Burns State Or Zip 97720

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

(3) DRILL METHOD  Rotary Air  Rotary Mud  Cable  Auger  Cable Mud  
 Other \_\_\_\_\_

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

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

BORE HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or Pounds
18	0	44	Bent	17	44	24 Sacks
18	0	17	Cement	0	17	1 yd
14	44	240	-	-	-	-
12	240	-	Cement	-	-	275

How was seal placed: Method  A  B  C  D  E  
 Other Pour Down Dry Bentonite  
Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
Gravel placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Size of gravel \_\_\_\_\_

(6) CASING/LINER

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14	23	77	250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

(7) PERFORATIONS/SCREENS  
 Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_

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

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

Yield gal/min	Drawdown	Drill stem at	Time
550	102	200	4 hrs

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

(9) LOCATION OF WELL (legal description)  
County Harney  
Tax Lot 2002 Lot \_\_\_\_\_  
Township 25 N or S Range 30 E or W WM  
Section 34 SE 1/4 SW 1/4

Lat \_\_\_\_\_ " or \_\_\_\_\_ (degrees or decimal)  
Long \_\_\_\_\_ " or \_\_\_\_\_ (degrees or decimal)

Street Address of Well (or nearest address) \_\_\_\_\_

(10) STATIC WATER LEVEL  
78 ft. below land surface. Date 4-30-06  
\_\_\_\_\_ ft. below land surface. Date \_\_\_\_\_  
Artesian pressure \_\_\_\_\_ lb. per square inch Date \_\_\_\_\_

(11) WATER BEARING ZONES  
Depth at which water was first found 349

From	To	Estimated Flow Rate	SWL
349	371	500	78

(12) WELL LOG

Material	From	To	SWL
Top Soil	0	3	-
Red Cinders	3	26	-
Brown Sand	26	35	-
Stone	35	349	-
Brown Basalt w/ Green Clay	349	371	78
Seam	371	375	78
White Brown			
Blue Pumice			
Green Clay			

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APR 11 2006

Date Started 326-06 Completed 4-30-06

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

WWC Number \_\_\_\_\_ Date \_\_\_\_\_  
Signed \_\_\_\_\_

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

WWC Number 1521 Date 9-15-06  
Signed Ronald M. Reed

SEP 18 2006

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

HARN 51853  
6/18/2012

WELL I.D. LABEL # 107672  
START CARD # 1016768  
ORIGINAL LOG #

(1) LAND OWNER  
Owner Well I.D. \_\_\_\_\_  
First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
Company ACW \_\_\_\_\_  
Address PO BOX 3 \_\_\_\_\_  
City BURNS State OR Zip 97720

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

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

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

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

(5) BORE HOLE CONSTRUCTION Special Standard  (Attach copy)  
Depth of Completed Well 188.00 ft.  
BORE HOLE SEAL  
Dia From To Material From To Amt sacks/lbs  
18 0 18 Bentonite Chips 0 18 35 S  
14 18 188

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

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

(6) CASING/LINER  
Casing Liner Dia + From To Gauge Stil Plstc Wld Thrd  
14 2 110 .250  
Shoe  Inside  Outside  Other Location of shoe(s) \_\_\_\_\_  
Temp casing  Yes Dia \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

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

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailer  Air  Flowing Artesian  
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)  
500 \_\_\_\_\_ 188 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 25.00 S N/S Range 30.00 E E/W WM  
Sec 33 SW 1/4 of the SW 1/4 Tax Lot 2600  
Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
Lat \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
Long \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Street address of well  Nearest address

29062 WEAVER SPRINGS RD  
BURNS, OR. 97720

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+ SWL (ft)
Existing Well / Pre-Alteration			
Completed Well	6/1/2012		103

Flowing Artesian?  Dry Hole?

WATER BEARING ZONES Depth water was first found 103.00

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
6/1/2012	103	185	1000		103

(11) WELL LOG Ground Elevation \_\_\_\_\_

Material	From	To
sandy loam	0	2
clay	2	8
clay brown	8	30
cinders multi colored	30	98
cinders red	98	108
rock basalt black	108	137
cinders multi colored	137	175
rock basalt black	175	185
clay green	185	188

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APR 11 2014  
SALEM, OR

Date Started 5/29/2012 Complete 6/1/2012

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

(bonded) Water Well Constructor Certification  
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.  
License Number 1424 Date 6/18/2012  
Signed TIMOTHY K RILEY (E-filed)  
Contact Info (optional) rileywells@centurytel.net

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

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER
Owner Well ID well 21
First Name Andy Last Name Root
Company ACW
Address PO Box 3
City Burns State OR Zip 97720

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

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

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

(5) BORE HOLE CONSTRUCTION
Special Standard [ ] Attach copy
Depth of Completed Well 167.00 ft.

Table with columns: Dia, From, To, Material, From, To, Amt, lbs. Row 1: 18, 0, 18, Bentonite Chips, 0, 18, 90, 8.

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

[X] Other poured dr & tamped

Backfill placed from 0 ft. to 18 ft. Material

Filter pack from 0 ft. to 167 ft. Material Size

Explosives used: [ ] Yes Type Amount

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stil Plate Wld Thrd
14 1.5 60 .250

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)

Temp casing [ ] Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material

Table with columns: Perf/S, Casing/Screen, Dia, From, To, Spacing, Slot length, # of slots, Tele/pipe size

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

Pump [X] Bailer [ ] Air [ ] Flowing Artesian [ ]
Yield gal/min 2.800 Drawdown 2 Drill stem/Pump depth 145 Duration (hr) 6

Temperature 60 °F Lab analysis [ ] Yes [ ] No

Water quality concerns? [ ] Yes (describe below)

Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description)
County Harney Twp 26.00 S N/S Range 30.00 E E/W WM
Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800
Tax Map Number Lat Long
DMS or DD DMS or DD
Street address of well [X] Nearest address [ ]

29062 Weaver Spring Road

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Predeepening
Completed Well 02-11-2011 104
Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES
Depth water was first found
SWL Date From To Est Flow SWL(psi) + SWL(ft)
02-11-2011 104 167 3,000 104

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

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APR 11 2014 MAY 12 2011
WATER RESOURCES DEPT SALEM, OR SALEM, OREGON

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

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

License Number Date
Electronically Filed
Signed

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

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

# HARN 51765

HARN 51765

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

02-18-2011

WELL LABEL # L 102536

START CARD # 1012414

(1) LAND OWNER Owner Well I.D. well 21  
First Name Andy Last Name Root  
Company ACW  
Address PO Box 3  
City Burns State OK Zip 97720

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

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

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

(5) BORE HOLE CONSTRUCTION Special Standard  Attach copy  
Depth of Completed Well 167.00 ft.  
BORE HOLE SEAL  
Dia From To Material From To Amt lbs  
18 0 18 Bentonite Chips 0 18 90 S  
14 18 167

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

(6) CASING/LINER  
Casing Liner Dia + From To Gauge Stil Plate Wld Thrd  
14 1.5 60 .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 Casing/ Screen  
reen Liner Dia From To Serr/slot Slot # of Tele/  
width length slots pipe size

(8) WELL TESTS: Minimum testing time is 1 hour  
 Pump  Bailor  Air  Flowing Artesian  
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)  
2,800 2 145 6  
Temperature 60 °F Lab analysis  Yes By  
Water quality concerns?  Yes (describe below)

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)  
County Harney Twp 26.00 S N/S Range 30.00 E E/W WM  
Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800  
Tax Map Number Lot  
Lat 0' 0" or DMS or DD  
Long 0' 0" or DMS or DD  
 Street address of well  Nearest address  
29062 Weaver Spring Road

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

WATER BEARING ZONES Depth water was first found

SWL Date	From	To	Est Flow	SWL (psi)	+ SWL (ft)
02-11-2011	104	167	3,000		<input checked="" type="checkbox"/> 104

(11) WELL LOG Ground Elevation

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

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APR 11 2014  
SALEM, OR

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

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

License Number Date  
Electronically Filed  
Signed

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

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

G-17834

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

02-02-2011

WELL LABEL # 102334

START CARD # 1012337

(1) LAND OWNER
Owner Well I.D. 18
First Name Andy Last Name Root
Company ACW
Address 524 N Hwy 20 PO Box 3
City Burns State Or Zip 97720

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

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

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

(5) BORE HOLE CONSTRUCTION
Special Standard [ ] Attach copy
Depth of Completed Well 195.00 ft.

Table with columns: Dia, From, To, Material, SEAL From, To, Amt, sacks/lbs. Row 1: 18, 0, 24, Bentonite, 0, 24, 80, S.

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

[X] Other Poured dry & tamp

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: [ ] Yes Type Amount

(6) CASING/LINER

Table with columns: Casing Liner Dia, From, To, Gauge, Stil, Plstc, Wld, Thrd. Row 1: 14, 2, 102, .250, [X], [X], [X], [X].

Shoe [ ] Inside [ ] Outside [ ] Other Location of shoe(s)

Temp casing [ ] Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Material

Table with columns: Perf S Casing/Screen, Dia, From, To, Semi-slot width, Slot length, # of slots, Tele-pipe size.

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

[X] Pump [ ] Bailor [ ] Air [ ] Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Row 1: 2,800, 5, 145, 6.

Temperature 60 °F Lab analysis [ ] Yes [ ] No

Water quality concerns? [ ] Yes (describe below)

Table with columns: From, To, Description, Amount, Units.

(9) LOCATION OF WELL (legal description)
County Harney Twp 26.00 S N/S Range 30.00 E E/W W31
Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800
Tax Map Number Lot
Lat " 0 " or " " DMS or DD
Long " 0 " or " " DMS or DD
[ ] Street address of well [ ] Nearest address

29062 Weaver Springs Road

(10) STATIC WATER LEVEL

Table with columns: Date, SWL(psi), + SWL(ft). Row 1: 01-28-2011, 104.

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES

Table with columns: SWL Date, From, To, Est Flow, SWL(psi), + SWL(ft). Row 1: 01-28-2011, 104, 198, 3,000, 104.

(11) WELL LOG

Table with columns: Material, From, To. Rows include Topsoil sandy loam, Cinders sand, Cinders, Clay cinders, Cinders fine, Rock black, Cinders multi colored, Rock black, Cinders multi colored, Cobbles caving.

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APR 11 2014

MAY 12 2011

SALEM, OR

WATER RESOURCES DEPT

Date Started 01-21-2011

Completed 01-28-2011

(unbonded) Water Well Constructor Certification

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

License Number Date

Electronically Filed

Signed

(bonded) Water Well Constructor Certification

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

License Number 1424 Date 02-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

# HARN 51760

HARN 51760

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

02-02-2011

WELL LABEL # L 102534

START CARD # 1012337

**(1) LAND OWNER** Owner Well I.D. 18 \_\_\_\_\_  
 First Name Andy Last Name Root  
 Company ACW  
 Address 524 N Hwy 20 PO Box 3  
 City Burns State Or Zip 97720

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

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

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

**(5) BORE HOLE CONSTRUCTION** Special Standard  Attach copy \_\_\_\_\_  
 Depth of Completed Well 195.00 ft.  
**BORE HOLE**

Dia	From	To	Material	From	To	Amt	SEAL	sacks/ lbs
18	0	24	Bentonite	0	24	80	S	
14	24	145						
12	145	198						

How was seal placed: Method  A  B  C  D  E  
 Other Poured dry & tamp  
 Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_  
 Filter pack from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_ Size \_\_\_\_\_  
 Explosives used:  Yes Type \_\_\_\_\_ Amount \_\_\_\_\_

**(6) CASING/LINER**  
 Casing Liner Dia + From To Gauge Stl Plate Wld Thrd  

<input checked="" type="checkbox"/>	<input type="checkbox"/>	14	<input checked="" type="checkbox"/>	2	102	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Shoe  Inside  Outside  Other Location of shoe(s) \_\_\_\_\_  
 Temp casing  Yes Dia \_\_\_\_\_ From \_\_\_\_\_ To \_\_\_\_\_

**(7) PERFORATIONS/SCREENS**  
 Perforations Method \_\_\_\_\_  
 Screens Type \_\_\_\_\_ Material \_\_\_\_\_  

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

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
2,800	5	145	6

Temperature 60 °F Lab analysis  Yes By \_\_\_\_\_  
 Water quality concerns?  Yes (describe below)  

From	To	Description	Amount	Units

**(9) LOCATION OF WELL (legal description)**  
 County Harney Twp 26.00 S N/S Range 30.00 E E/W WM  
 Sec 3 NW 1/4 of the NW 1/4 Tax Lot 800  
 Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_  
 Lat \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Long \_\_\_\_\_ " or \_\_\_\_\_ DMS or DD  
 Street address of well  Nearest address  
29062 Weaver Springs Road

**(10) STATIC WATER LEVEL** Date \_\_\_\_\_ SWL(psi) + SWL(ft)  

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

  
 Flowing Artesian?  Dry Hole?

WATER BEARING ZONES Depth water was first found 104

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
01-28-2011	104	128	3,000		104

**(11) WELL LOG** Ground Elevation \_\_\_\_\_

Material	From	To
Topsoil sandy loam	0	1
Cinders sand	1	6
Cinders	6	12
Clay cinders	12	100
Cinders fine	100	121
Rock black	121	135
Cinders multi colored	135	180
Rock black	180	187
Cinders multi colored	187	195
Cobbles caving	195	198

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APR 11 2014

Date Started 01-21-2011 **SALEM, OR** Completed 01-28-2011

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

License Number \_\_\_\_\_ Date \_\_\_\_\_  
 Electronically Filed  
 Signed \_\_\_\_\_

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

License Number 1424 Date 02-02-2011  
 Electronically Filed  
 Signed TIMOTHY K RILEY (E-filed)  
 Contact Info (optional) \_\_\_\_\_

G-17834



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

11-02-2011

WELL LABEL # L 107659

START CARD # 1015160

(1) LAND OWNER Owner Well I.D. Leathers Weaver Spr.

First Name Last Name
Company ACW
Address PO Box 3
City Burns State Or Zip 97720

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

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

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

(5) BORE HOLE CONSTRUCTION Special Standard Attach copy
Depth of Completed Well 170.00 ft.

Table with columns: Dia, From, To, Material, SFAT, To, Amt, sacks/lbs. Row 1: 18, 0, 18, Bentonite Chips, 0, 18, 30, S

How was seal placed: Method A B C D E

Other poured & tamped

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: Yes Type Amount

(6) CASING/LINER

Table with columns: Casing/Liner, Dia, From, To, Gauge, Std, Plstc, Wid, Thrd. Row 1: 14, 2, 108, .250, Std, Plstc, Wid, Thrd

Shoe Inside Outside Other Location of shoe(s)

Temp casing Yes Dia From To

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Material

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

Table with columns: Perf/S reen, Casing Liner, Dia, From, To, Screen/slot width, Slot length, # of slots, Tele/pipe size

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

Pump Bailer Air Flowing Artesian

Table with columns: Yield gal/min, Drawdown, Drill stem/Pump depth, Duration (hr). Row 1: 1,000, 170, 1

Temperature 59 F Lab analysis Yes By

Water quality concerns? Yes (describe below)

Table with columns: From, To, Description, Amount, Units

(9) LOCATION OF WELL (legal description)

County Harney Twp 25.00 S N/S Range 30.00 E E/W WM
Sec 33 SE 1/4 of the NW 1/4 Tax Lot 2600
Tax Map Number Lot
Lat " or DMS or DD
Long " or DMS or DD
Street address of well Nearest address

29062 Weaver Springs Road
Burns, Or. 97720

(10) STATIC WATER LEVEL

Table with columns: Date, SWL(psi), SWL(ft). Row 1: 10-21-2011, 88

Flowing Artesian? Dry Hole?
WATER BEARING ZONES Depth water was first found 88

Table with columns: SWL, Date, From, To, Est Flow, SWL(psi), SWL(ft). Row 1: 10-21-2011, 88, 170, 1,000, 88

(11) WELL LOG

Table with columns: Material, From, To. Rows: Topsoil Sandy Loam (0-2), Clay Sand (2-11), Clay Brown (11-32), Clay Cinders Brown (32-49), Cinders Black (49-165), Rock Basalt Black (165-170)

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

(unbonded) Water Well Constructor Certification

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

License Number Date

Electronically Filed

Signed

(bonded) Water Well Constructor Certification

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

License Number 1424 Date 11-02-2011

Electronically Filed

Signed TIMOTHY K RILEY (E-filed)

Contact Info (optional)

G-17831

HARN 51445

# 13

Ham 51445

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

WELL LABEL # L 104470 START CARD # 189552

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

1) LAND OWNER Owner Well I.D. First Name Last Name Company RATTLE SNAKE CREEK LAND XCATRICO Address 527 Hwy 20 City Hines State OR Zip 97338

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

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

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

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

Table with columns: Dig, From, To, Material, From, To, Amount. Row 1: 20', C, 35, Cement, C, 35, 49.

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E [ ] Other Backfill placed from 0 ft. to 35 ft. Material Filter pack from Explosives used: [ ] Yes Type Amount

(6) CASING/LINER Table with columns: Casing, Liner, Dia, From, To, Gauge, Steel, Plastic, Welded, Thrd. Row 1: X, 14", H, 0, 35, .250, X, X.

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

(7) PERFORATIONS/SCREENS Perforations Method Screens Type Material

Table with columns: Perf, Scm, Casing, Liner, Screen Dia, From, To, Screen/slot width, Slot length, # of slots, Tele/pipe size.

(8) WELL TESTS: Minimum testing time is 1 hour [X] Pump [ ] Bailer [ ] Air [ ] Flowing Artesian Yield gal/min 1000 Drawdown 190' Duration (hr) 4 hr

Temperature 50 F Lab analysis [ ] Yes By Water quality concerns? [ ] Yes (describe below) Table with columns: From, To, Description, Amount, Units.

(9) LOCATION OF WELL (legal description) County Harney Twp 25 N or S Range 30 E or W W.M. Sec 33 NE 1/4 of the NE 1/4 Tax Lot 3700 Tax Map Number Lot Lat Long Street Address of Well (or nearest address) NO ADDRESS assigned

(10) STATIC WATER LEVEL Table with columns: Existing Well/Predeepening, Date 2-10-08, SWL (psi), SWL (ft) 92. Completed Well. Flowing Artesian? [ ] Yes Dry Hole? [ ] Yes

WATER BEARING ZONES Depth water was first found Table with columns: SWI, Date, From, To, Est Flow, SWL (psi), SWI (ft). Row 1: 2-10-08, 140, 190, 1000, 92.

(11) WELL LOG Ground Elevation Table with columns: Material, From, To. Rows: TOP Soil, Sand gravel, Black sand stone, Blau clay, Pumice & clay, Tan clay, Sand gravel.

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

(unbonded) Water Well Constructor Certification I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. 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. License Number 1654 Date 4-23-08 Signed Contact Info. (optional)

G-17834

20032521

WARRANTY DEED

DENNY LAND & CATTLE CO., L.L.C., Grantor(s) hereby grant, bargain, sell, warrant and convey to: RATTLESNAKE CREEK LAND & CATTLE COMPANY, LLC, Grantee(s) and grantee's heirs, successors and assigns the following Described real property, free of encumbrances except as specifically set forth herein in the County of HARNEY and State of Oregon, to wit:

SEE EXHIBIT A WHICH IS MADE A PART HEREOF BY THIS REFERENCE

TAX: SEE ATTACHED EXHIBIT B

Grantor is lawfully seized in fee simple on the above granted premises and SUBJECT TO: all those items of record and those apparent upon the land, if any, as of the date of this deed and those shown below, if any:

and the grantor will warrant and forever defend the said premises and every part and parcel thereof against the lawful claims and demands of all persons whomsoever, except those claiming under the above described encumbrances.

THIS INSTRUMENT WILL NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY APPROVED USES AND TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES AS DEFINED IN ORS 30.930.

The true and actual consideration for this conveyance is \$1,200,000.00.

Until a change is requested, all tax statements shall be sent to Grantee at the following address: PO BOX 946, BURNS, OR 97720

Dated this 4<sup>th</sup> day of March, 2003

DENNY LAND & CATTLE CO., L.L.C., a California Limited Liability Company, by its Member-Managers:

By: GEORGE P. DENNY, III TRUST dated June 11, 1981, MEMBER

By: [Signature] George P. Denny, III, Trustee of the George P. Denny III Trust

By: DENNY TRUCKING CORP., a California Corporation, MEMBER

By: [Signature] George P. Denny, III, as its President

State of Massachusetts County of Essex

This instrument was acknowledged before me on 12 4 2003 by George P. Denny, III, as Trustee of the George P. Denny, III Trust dated June 11, 1981 as a MEMBER of DENNY LAND & CATTLE CO., L.L.C. and President of DENNY TRUCKING CORP., a California Corporation, as a MEMBER of DENNY LAND & CATTLE CO., L.L.C.

[Signature] (Notary Public)

My commission expires 12/2/05

ESCROW NO. BU0016503

Return for: RATTLESNAKE CREEK LAND & CATTLE COMPANY, LLC PO BOX 946 BURNS, OR 97720

STATE OF OREGON County of Harney I certify that the within instrument was received for record on the 5th day of March 2003 at 2:25 p.m. and recorded after this number 20032521 [Signature] County Clerk Deputy



RECEIVED BY OWRD

APR 11 2014

SALEM, OR

G17834

253000 5, 6, 12, 13, 19, 23, 29, 30  
7, 14, 11

INSTRUMENT # 2003 1521

EXHIBIT "A"

Land in Harney County, Oregon, as follows:

TITLE "A"

In Twp. 25 S., R. 30 E., W.M.:

Sec. 28: SW $\frac{1}{4}$ NW $\frac{1}{4}$ , W $\frac{1}{2}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$ SW $\frac{1}{4}$ , S $\frac{1}{2}$ SE $\frac{1}{4}$ .

Sec. 29: S $\frac{1}{2}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , SE $\frac{1}{4}$ .

Sec. 32: NE $\frac{1}{4}$ , NE $\frac{1}{4}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ S $\frac{1}{2}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$ .

Sec. 33: W $\frac{1}{2}$ , SE $\frac{1}{4}$ , S $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ NE $\frac{1}{4}$ .

Sec. 34: A parcel of land located in the S $\frac{1}{4}$  of Sec. 34, more particularly described as follows:

Parcel No. 1 of Partition Plat No. 90-09-08, recorded September 6, 1990, Instrument No. 901262, Harney County, Plat Records.

SW $\frac{1}{4}$ SW $\frac{1}{4}$ , NW $\frac{1}{4}$ , EXCEPTING THEREFROM right of way over the N $\frac{1}{2}$ NW $\frac{1}{4}$  conveyed to Harney County, Oregon, by deed recorded June 18, 1962, in Book 71, Page 355, Deed Records.

In Twp. 26 S., R. 30 E., W.M.:

Sec. 3: Government Lots 1, 2, 3 and 4, S $\frac{1}{2}$ N $\frac{1}{2}$ , SW $\frac{1}{4}$ , W $\frac{1}{2}$ SE $\frac{1}{4}$ .

Sec. 4: Government Lots 1, 2, 3 and 4, S $\frac{1}{2}$ N $\frac{1}{2}$ , N $\frac{1}{2}$ S $\frac{1}{2}$ , S $\frac{1}{2}$ SE $\frac{1}{4}$ , SW $\frac{1}{4}$ SW $\frac{1}{4}$ .

Sec. 5: Government Lots 1, 2 and 3, S $\frac{1}{2}$ NE $\frac{1}{4}$ , E $\frac{1}{2}$ SE $\frac{1}{4}$ .

Sec. 8: E $\frac{1}{2}$ E $\frac{1}{4}$ .

Sec. 9: All.

Sec. 10: NW $\frac{1}{4}$ , W $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$ .

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1900  
2500  
3600  
93

263000  
10, 11, 13, 14, 12,  
13, 21, 14

700  
1000  
1200  
200  
107

# INSTRUMENT # 20032521

## EXHIBIT "B"

ACCOUNT #	CODE #	MAP #	LOT #
59238	4-2	25S 30E	2002
23029	4-2	25S 30E	2500
23024	4-2	25S 30E	2600
23025	4-2	25S 30E	2700
23022	4-2	25S 30E	3200
23027	4-2	25S 30E	3300
23596	4-2	25S 30E	3400
23597	4-2	25S 30E	3500
23023	4-2	25S 30E	3600
23637	4-2	25S 30E	3700
45031	4-2	26S 30NE	700
45033	4-2	26S 30NE	800
45090	4-2	26S 30NE	900
47576	4-2	26S 30NE	1000
45035	4-2	26S 30NE	1200
45034	4-2	26S 30NE	1300
45046	4-2	26S 30NE	2200
47596	4-2	26S 30NE	2500

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

**TRANSMITTAL**

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

Date: 4/8/14 Job #14-017 Job 4  
Attention: App for new permits  
Re: App for new permit-Root

Prints  Plans  Plat  Specifications  Change order  Other

Hello

Attached is an Application for a Permit to use Groundwater for Andy Root.

If you have any questions please call or email me.

Copies	No.	Description
1	1	Application for new Ground Water Permit (10 pages letter bond)
1	2	Map (1 page letter bond)
1	3	Land Use Form (6 pages letter bond)
1	4	Check for \$5800.00
1	5	Well Logs (13 pages letter bond)
1	6	Deed (3 pages letter bond)

Signed: 

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SALEM, OR

G-17034