Application for Extension of Time for a Water Right Permit (NON-Municipal/NON Quasi-Municipal water Use)

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

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WATER RESOURCES DEPT
SALEM, OREGON

Criteria for a Permit Extension of Time

The Department can accept requests for an extension of time on permits to (1) complete construction, and/or to (2) apply water to beneficial use.

In order to approve a permit extension request the Department must be able to find:

1) **Construction has begun:**

   A. **For Groundwater Permits**
   Construction of the well began within 5 years of the date the permit was issued or by the actual construction date specified in the permit.

   B. **For Surface Water or Reservoir Permits**
   Construction of the water system began within 5 years of the date the permit was issued or by the actual construction date specified in the permit.

The Department will also confirm that:

2) A required fish screen, fish passage or fish by-pass device was installed before or prior to diversion of any water. An exception to the need to confirm installation prior to diversion of any water would be a waiver submitted to the Department from ODFW stating that a fish screen, fish passage or fish by-pass device was not required, provided your permit allows for a waiver.

If you have questions, please call the Department at (503)-986-0900 and ask to speak with a permit extension specialist.

Instructions are in Attachment A.

TO THE DIRECTOR OF THE OREGON WATER RESOURCES DEPARTMENT

A separate extension application must be submitted for <u>each</u> permit as per OAR 690-315-0020(2).

I, Steve Rickman
NAME OF PERMIT HOLDER *[OAR 690-315-0020(1) and (3)(a)]*

69705 Old Experiment Road	Burns	OR	97720
ADDRESS	CITY	STATE	ZIP

541-573-2887	burns.electric@yahoo.com
PHONE	E-MAIL ADDRESS

the permit holder of: Application Number G-16997

Permit Number G-17038
[OAR 690-315-0020(3)(b)]

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do hereby request that the time in which to:

☒ complete construction (of diversion/appropriation works and/or purchase and installation of the equipment necessary to the use of water), which time now expires on **Month:04 Day: 18 Year: 2015,** be extended to October 1, 2020, *[OAR 690-315-0020(3)(i)]*

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

and/or the time in which to:

☒ apply water to full beneficial use under the terms and conditions of the permit, which time now expires on **Month:04 Day: 20 Year: 2015,** be extended to October 1, 2020.
[OAR 690-315-0020(3)(i)]

I am the permit holder, or have written authorization from the permit holder (attached to this Application for Extension of Time), to apply for an extension of time under this permit. I understand that false or misleading statements in this extension application are grounds for OWRD to suspend processing of the request and/or reason to deny the extension.

Steve Rickman	2/2/16
Signature	**Date**
Steve Rickman	Owner
Printed Name	**Title**

Before submitting your Application for Extension of Time, make sure the following items are included:

- This completed Application for Extension of Time.
- Statutory fee of $575.
- Signature page (Second page of this Application for Extension of Time).
- All supporting documentation and/or evidence referenced in the Application for Extension of Time.

MAIL COMPLETED APPLICATION
along with the Supporting documents and/ or evidence

$575 STATUTORY FEE TO:

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

GENERAL TIPS:

- Permit holders of **municipal or quasi-municipal water use permits DO NOT use this form.** The correct form is APPLICATION FOR EXTENSION OF TIME FOR MUNICIPAL AND QUASI-MUNICIPAL WATER USE PERMITS, available at the following link: http://www.oregon.gov/owrd/PUBS/docs/forms/fillable_muni_quasi_ext_app_form_2014.doc

- Request the reasonable amount of time necessary to fully complete construction of the water project and/or to fully use the permitted quantity of water under the terms and conditions of your permit. Should this request be approved, it will be OWRD's expectation that you will complete your project within the new time period allowed. Future extensions may not be granted.

- A separate APPLICATION FOR EXTENSION OF TIME must be submitted for each permit. OAR 690-315-0020(2).

- An instruction sheet, INSTRUCTIONS FOR COMPLETING AN APPLICATION FOR EXTENSION OF TIME FOR A WATER RIGHT PERMIT (Attachment A), provides details that will help you answer each question on the application. Permit extensions are evaluated under OAR Chapter 690, Division 315. These rules may be viewed at: http://arcweb.sos.state.or.us/pages/rules/oars_600/oar_690/690_315.html

- You may provide OWRD with any additional information or evidence that will aid us in making our decision. Please note that OWRD may require other information that is necessary to evaluate the application. OAR 315-0020(3)(n).

- After careful review of the Application for Extension of Time, you may contact OWRD at (503) 986-0900, to ask questions and request assistance from a Permit Extensions Specialist in the Water Rights Services Division.

- An Application for an Extension of Time will be reviewed for completeness. OWRD will return any incomplete or deficient applications to the applicant. OAR 690-315-0040(1)(a).

Reference Materials Needed to Complete this Application:

- **The water right permit**. If needed, a copy of the water right permit can be downloaded from the Department's Website at http://apps.wrd.state.or.us/apps/wr/wrinfo/ (using the link to the Water Rights Information System (WRIS). Or, a copy of the permit (or other documents) may be requested by water right application number from the Water Rights Division at 503-986-0900 (copy fees will apply).

- **Documentation which demonstrates compliance with permit conditions** (for example, well construction logs; static water level measurement reports; annual water use reports; ODFW fish screen certification; a plan to monitor the effect of water use on ground water aquifers utilized under the permit; etc.).

Questions to complete this application for an Extension of Time
Please see the instruction sheet to help you answer these questions.

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1. Beginning Construction within required deadlines. OAR 690-315-0020(3)(d)
For Groundwater Permits

Has construction of the well begun? ☒ **Yes** ☐ **No**

Date construction began Month:7 Day: 1 Year: 2009

Details of construction and attach documentation: The three wells were constructed in 2009, 2012 and 2013. Well logs for Well ! (HARN51617), #2 (51917) and #3 (51887) are attached.

For Surface/Reservoir Permit N/A

Has construction of the water system begun? ☐ **Yes** ☐ **No**

Date construction began Month: Day: Year:

Details of construction and attach documentation: _____

OAR 690-315-0020(3)(A)(e)(A)

2. Permits typically contain standard or special conditions that must be fully satisfied to lawfully develop and use permitted water. Review the permit subject to this extension to identify which of the conditions listed in the 2nd column are contained within it. Using the extra row labeled "other" to specify any other additional conditions specified in a final order approving a permit amendment or prior extension of time. In the 1st column check the box for each condition (row) identified as relevant. In the 3rd column check "Yes" if you have completed or met the permit condition. Check "No" if the condition is not yet satisfied. In the 4th column, give the date when the condition was satisfied or will be satisfied. Attach any pertinent documentation. Note: a pump test condition does not need to be addressed here however; you must submit the results of the test to the Department for approval prior to certification.

CHART-A

Permit Conditions in this Permit		Have Completed or Met?	Date satisfied/ or will be satisfied
Checkbox	Ground water Check those included on this permit		
☒	Installation of a meter/totalizing flow meter	☒ Yes ☐ No	At pump installation
☒	Submittal of annual water usage report	☒ Yes ☐ No	annually
☒	Submittal of initial static water level measurement	☒ Yes ☐ No	When drilled
☒	Submittal of annual static water level measurements in the month required	☒ Yes ☐ No	Each year
☐	Submittal of Seven consecutive static water level measurements in the month required	☐ Yes ☐ No	
☐	Special well construction standards	☐ Yes ☐ No	
☐	Submittal of a monitoring plan	☐ Yes ☐ No	
☒	Other (Specify): Sealing of well to minimum 100' BLS	☒ Yes ☐ No	When drilled
☒	Other (Specify): OWRD well ID#	☒ Yes ☐ No	"
☒	Other (Specify): Measuring port	☒ Yes ☐ No	"
	Surface Water or Reservoir N/A		
☐	Installation of a meter/ totalizing flow meter/ in-line meter	☐ Yes ☐ No	
☐	Installation a staff gauge	☐ Yes ☐ No	
☐	Installation of a fish screen	☐ Yes ☐ No	
☐	Installation of a fish by-pass device	☐ Yes ☐ No	
☐	Installation of a fish passage	☐ Yes ☐ No	
☐	Installation of an outlet gate/pipe/ conduit	☐ Yes ☐ No	
☐	Submittal of a letter from ODFW that fish screen, fish by-pass device, and or fish passage is not required	☐ Yes ☐ No	
☐	Submit as-built plans and specification	☐ Yes ☐ No	
☐	Submittal of a letter from an engineer prior to storage	☐ Yes ☐ No	
☐	Other (Specify):	☐ Yes ☐ No	
☐	Other (Specify):	☐ Yes ☐ No	
☐	Other (Specify):	☐ Yes ☐ No	

If you have NOT complied with Permit conditions, explain the reasons why and indicate a date certain, when you will be in compliance.
About 155 acres of the total of 209.4 acres has been irrigated, thus the need for the extension.

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

3. Provide evidence of physical work made toward completion of the water system, and of progress made toward making beneficial use of water within the permitted time period (CHART-B); and if applicable, within the time period of the most recent extension granted (CHART-C). CHART-B (below) must be completed for all Application for Extension of Time requests. *Use chronological order.* (this does NOT include planning, formulating a business plan, securing financing, letting contracts, purchasing but not installing equipment, surveying, clearing land, or planting crops)

CHART-B

DATE	WORK ACCOMPLISHED BEFORE PERMIT WAS ISSUED *List any work done before the permit was issued – eg. well drilled.*	COST*
7/22/2009	Construction of well 1	27,000
DATE	**WORK ACCOMPLISHED AFTER PERMIT WAS ISSUED *and* PRIOR TO DATE SPECIFIED IN PERMIT FOR COMPLETE APPLICATION OF WATER** *List work/actions done during the permitted time period.*	**COST***
04/16/2013	**Date the permit was signed** - find date above signature on last page of permit.	
9/30/2012	Construction of well 3	43,000
3/14/2013	Construction of well 2	90,000
Prior to 2015	Pump & pipe for well 1, seeding and farming	57,000
"	Land leveling, install center pivot and wheel lines	209,000
3/11/2015	**Date the permit specified complete application of water to the use shall be made**- all permits contain this date. (Permit 16654, the original of three permits issued)	
DATE	**WORK ACCOMPLISHED AFTER the date the permit specified complete application of water** *COMPETE ONLY IF THIS IS YOUR 1st APPLICATION FOR AN EXTENSION OF TIME: List work done after the date specified in the permit for complete application of water up to the date of this Application for Extension of Time.*	**COST***
N/A		
	Total Cost for Chart-B	**$426,000**

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

4. If this is <u>not</u> your 1st Application for Extension of Time request, fill out CHART-C below in addition to CHART-B above. *Use chronological order.*

CHART-C N/A

DATE	WORK ACCOMPLISHED <u>DURING</u> THE LAST EXTENSION PERIOD *List all work done during the last authorized extension period.*	COST*
	"Extended From" date for complete application of water used in the 1st (or the most recent) Application for Extension of Time.	
	"Extended To" date for complete application of water resulting from the 1st (or the most recent) Application for Extension of Time.	
DATE	**WORK ACCOMPLISHED <u>AFTER</u> THE LAST EXTENSION PERIOD EXPIRED** *List all work done after the last authorized date for complete application of water up to the date of this Application for Extension of Time.*	**COST***
Total Cost of Chart-C	**N/A**	

*** If exact cost is not known, you must provide your best estimate. [OAR 690-315-0020(3)(f)]**

5. Cost of project to date: <u>$426,000</u>

(The total combined cost from CHART-B and CHART-C) **[OAR 690-315-0020(f)]**

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

Provide evidence of the maximum rate (or duty, if applicable) of water diverted for beneficial use under this permit and/or prior extensions of time (if any) made to date.
TIP: Report the rate used to date. Unless full beneficial use has been made, this rate will be less than the rate authorized on the permit.

6. For Surface Water Permit Extensions (e.g. S-XXXX or R-XXXX): N/A
TIP: Report the rate in the same units of measurement as specified in the permit.

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

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

Acre-feet stored to date = _____ AF

7. For Ground Water Permit Extensions (e.g. G-XXXX):
TIP: Include information from ALL wells that pertain to this permit, including drilled wells not currently used.

CHART-D

Well # as identified on Permit	Water User's Well #	Has this well been drilled?	IF DRILLED: Well Log Number e.g. MORR 50473	IF DRILLED: Well Tag Number e.g. # 27566 or N/A	IF DRILLED: Is the actual drilled location authorized on this permit or on a permit amendment? (See 8 below)	IF DRILLED: Maximum instantaneous rate used to date from this well - - under this permit only (CFS or GPM)	IF DRILLED: Is this well authorized or utilized under any OTHER water rights?	IF DRILLED: If yes, provide the Permit, Certificate, or Transfer No.
1	House	Yes ☒ No ☐	HARN 51617	100269	Yes ☒ No ☐	200 GPM	Yes ☐ No ☒	- -
2	Road	Yes ☒ No ☐	51917	109953	Yes ☒ No ☐	700	Yes ☐ No ☒	- -
3	Mud	Yes ☒ No ☐	51887	96843	Yes ☒ No ☐	75	Yes ☐ No ☒	- -
		Yes ☐ No ☐			Yes ☐ No ☐		Yes ☐ No ☐	- -
Total instantaneous rate from all wells utilized under this permit						975 GPM		

8. If the drilled location of a well is not authorized on this permit, please specify its location below, or provide a map showing its location.

Has or will a Permit Amendment Application been/be filed? Yes ☒ No ☐

If a Permit Amendment Application has been filed: Transfer No. T-11411

Well #3 Actual location: Added point of appropriation
Well #_____ Actual location: _____

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

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

Total acres irrigated to date: 155

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

Well #1 Acres 43 **Well #2 Acres 100**

Well #3 Acres 12 **Well #_____ Acres_____**

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

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

CHART-E

APPROXIMATE DATE RANGE (projected)	WORK OR ACTION TO BE ACCOMPLISHED (projected)	ESTIMATED COST (projected)
2016- 2020	Additional leveling, irrigation equipment for 50 remaining acres	116,000
2016-2017	Drill a 4th well to provide additional water (permit amendment application to be filed once this extension is approved)	50,000
Year: 2020	**Date intend to apply water to full beneficial use under the terms and conditions of this permit.**	
	Total Cost	**$166,000**

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

11. Estimated remaining cost to complete the project: $166,000
(The total cost from CHART-E)

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

12. Describe the reasons why the construction was not completed, and/or water was not beneficially used within permit time limits. Provide supporting information for the reason(s) that best fits your circumstances. Include any additional unforeseen events and/or other governmental regulation or requirements.

Economy/ financial capabilities have been limited, plus our thinking that we had an additional 3 years in which to accomplish everything. See comments under # 14, below.

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

13. Justify the time requested to complete the project and/or apply the water to full beneficial use. Include any other information or evidence to establish that the requested amount of time is sufficient and that you will be able to complete the project within the amount of time requested.

The entire project has been planned to be completed by on or about 2018, due to a misunderstanding with the stated completion date in Permit G-17038. See #14 below. This extension will allow us to complete the project within the time frame we have planned all along.

[OAR 690-315-0020(3)(m)(n)]

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

The permittee and consultant have relied upon the plain language of the condition in Permit G-17038, which states that "Completion of construction and application of the water shall be made within 5 years of the date of permit issuance." That language would place the completion date at April 16, 2018.

The position of OWRD is that the original completion date of Permit G-16654 of March 11, 2015 remains in effect despite the issuance of two subsequent permits that replaced it. The position of the Department is that this condition is a "scrivner's" error.

This application for extension, along with the required fee, is submitted to request that the completion date be formally extended to allow the additional time to complete the project.

Attach permit, and documentation to the application.

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WATER RESOURCES DEPT
SALEM, OREGON

STATE OF OREGON

COUNTY OF HARNEY

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

STEVE RICKMAN
69705 OLD EXPERIMENT RD
BURNS, OR 97720

This superseding permit is issued correct scrivener's errors in the location description of Wells 1 and 2 amended by Special Order Vol. 89, Page 480, entered April 16, 2013. This permit supersedes Permit G-16918.

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

APPLICATION FILE NUMBER: G-16997

SOURCE OF WATER: WELLS 1, 2, AND 3 IN POISON CREEK SLOUGH BASIN

PURPOSE OR USE: IRRIGATION USE ON 209.4 ACRES

MAXIMUM RATE: 2.62 CUBIC FEET PER SECOND (CFS), BEING NO MORE THAN 0.53 CFS FROM WELL 1 AND 2.45 CFS FROM WELL 2

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: JANUARY 28, 2008

WELL LOCATIONS:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
23 S	32 E	WM	18	SW SW	WELL 1 - 280 FEET NORTH AND 520 FEET EAST FROM THE SW CORNER OF SECTION 18
23 S	31 E	WM	24	NE NE	WELL 2 – 1120 FEET SOUTH AND 420 FEET WEST FROM THE NE CORNER OF SECTION 24
23 S	31 E	WM	24	SE NE	WELL 3 - 1800 FEET SOUTH AND 1000 FEET WEST FROM THE NE CORNER OF SECTION 24

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

THE PLACE OF USE IS LOCATED AS FOLLOWS:

IRRIGATION					
Twp	Rng	Mer	Sec	Q-Q	Acres
23 S	31 E	WM	24	NE NE	34.4
23 S	31 E	WM	24	NW NE	24.8
23 S	31 E	WM	24	SW NE	24.8
23 S	31 E	WM	24	SE NE	38.8
23 S	31 E	WM	24	NE SE	28.0
23 S	31 E	WM	24	NW SE	15.6
23 S	32 E	WM	18	SW SW	12.0
23 S	32 E	WM	18	SE SW	31.0

The quantity of water diverted at the new points of appropriation, Wells 1 and 2, shall not exceed the quantity of water lawfully available at the original points of appropriation.

The combined quantity of water diverted at the new additional point of appropriation, together with that diverted at Wells 1 and 2, shall not exceed the quantity of water lawfully available at the original points of appropriation.

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

Measurement, recording and reporting conditions:

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

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

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

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

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

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

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

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

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

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

The wells shall be continuously cased and continuously sealed to a minimum depth of 100 feet below land surface. If during well construction, it becomes apparent that the well can be constructed to eliminate interference with hydraulically connected streams in a manner other than specified in this permit, the permittee can contact the Department Hydrogeologist for this permit or the Ground Water/Hydrology Section Manager to request approval of such construction. The request shall be in writing, and shall include a rough well log and a proposed construction design for approval by the Department. The request can be approved only if it is received and reviewed prior to placement of any permanent casing and sealing material. If the well is constructed first and then the request made, the requested modification will not be approved. If approved, the new well depth and construction specifications will be incorporated into any certificate issued for this permit.

The wells shall be equipped with and measured through a dedicated measuring tube pursuant to figure 200-5 in OAR 690-200. This requirement does not apply to flowing artesian wells and wells without pumps.

STANDARD CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

Within one year after making beneficial use of water, the perm
which includes a map and report, prepared by a Certified Wate

Technical Error
Not 5 yrs of the superceding Permit
supposed to be 5 yrs from Original

Issued April 16, 2013

Dwight Plench, Water Right Services Administrator, for
PHILLIP C. WARD, DIRECTOR

HARN 51617 PAGE 1

Rickman Well 1, pg 1

STATE OF OREGON
WATER SUPPLY WELL REPORT
(ORS 537.765 & OAR 690-205-0210)
Instructions for completing this report are on the last page of this form.

WELL LABEL # L 100269
START CARD # 197385
ORIGINAL LOG #

(1) LANDOWNER Owner Well I.D.
First Name STEVE + KRISTA Last Name RICKMAN
Company
Address 69705 OLD EXPERIMENT RD.
City BURNS State OR Zip 97720

(2) TYPE OF WORK ☑ New ☐ Conversion ☐ Deepening
☐ Alteration (complete Sections 2a & 10) ☐ Abandonment (complete Section 5a)

(2a) PRE-ALTERATION: Well Depth ft.
Seal Material
Casing Type: ☐ Steel ☐ Plastic ☐ Other
Casing Gauge Casing Diameter

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

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

(5) BORE HOLE CONSTRUCTION
Depth of Completed Well 700 ft. Special Standard: ☐ Yes (attach copy)

BORE HOLE Dia	From	To	SEAL Material	From	To	Amount	Scks/lbs
20"	0	135'	PORT. CEMENT	0	135	105	SACKS
16"	135	396					
14"	396	500					
10"	500	700					

How was seal placed: Method ☐ A ☐ B ☑ C ☐ D ☐ E
☐ Other
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size

(5a) ABANDONMENT USING UNHYDRATED BENTONITE:
Calculated Amount Proposed to be Used: sacks/lbs
Actual Amount Used: sacks/lbs

(6) CASING/LINER

Csng	Linr	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
✓		16"	+	2'	135	.250	✓		✓	
	✓	14"		0	395	.250	✓		✓	

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

(7) PERFORATIONS/SCREENS
Perforations Method HOLTE PERFORATOR
Screens Type Material

Perf	Scrn	Csng	Linr	Screen Dia	From	To	Screen/slot width	Slot length	# of slots	Tele/pipe size
✓			✓		240	380	1/8	1"	2240	PIPE

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
360		220	2

Temperature 60 °F Lab analysis ☐ Yes By
Water quality concerns? ☐ Yes (describe below) TDS ppm

From	To	Description	Amount	Units

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(9) LOCATION OF WELL (legal description)
County HARNEY Twp 23 N or S Range 32 E or W W.M.
Sec 18 SW 1/4 of the SW 1/4 Tax Lot 202
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
Street Address of Well (or nearest address) 69705 OLD EXPERIMENT RD.

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL (ft)
Existing Well/Pre-Alteration				
Completed Well	7-22-09		-	63

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES Depth water was first found 6'

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
6-12-09	6	21	100		-	6'
6-12-09	50	87	400		-	6'
6-14-09	96	130	700		-	14'
6-29-09	285	450	450		-	63'

(11) WELL LOG Ground Elevation 4150

Material	From	To
SANDY TOPSOIL	0	6
SAND - GRAVEL	6	21
SANDY GRAY CLAY	21	34
GRAY CLAY	34	43
SANDY GRAY CLAY	43	50
SAND - GRAVEL	50	87
GRAY CLAY	87	96
SAND - GRAVEL	96	110
BLACK SAND	110	130
GRAY CLAY	130	265
BLACK CLAY	265	274
GRAY CLAY	274	285
SAND - GRAVEL - CLAY	285	298
BROKEN GRAY CLAY	298	370
GRAY CLAY - PUMICE	370	395
CONTINUED ON PAGE 2		

Date Started 6-11-09 Completed 7-22-09

(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 8-04-09
Signed Charles Fry

(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 8-04-09
Signed
Contact Info. (optional)

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WATER RESOURCES DEPT
SALEM, OREGON

HARN 59647

Well 1, page 2

STATE OF OREGON
WATER SUPPLY WELL REPORT
(ORS 537.765 & OAR 690-205-0210)
Instructions for completing this report are on the last page of this form.

WELL LABEL # L 102269
START CARD # 197385
ORIGINAL LOG #

(1) LANDOWNER Owner Well I.D.
First Name Steve + Kristi Last Name Rickman
Company
Address 69705 Old Experiment Rd.
City Burns State Or Zip 97720

(2) TYPE OF WORK ☒ New ☐ Conversion ☐ Deepening
☐ Alteration (complete Sections 2a & 10) ☐ Abandonment (complete Section 5a)

(2a) PRE-ALTERATION: Well Depth ____ ft.
Seal Material
Casing Type: ☐ Steel ☐ Plastic ☐ Other
Casing Gauge Casing Diameter

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

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

(5) BORE HOLE CONSTRUCTION
Depth of Completed Well 700 ft. Special Standard: ☐ Yes (attach copy)

BORE HOLE Dia	From	To	SEAL Material	From	To	Amount	Scks/lbs
20"	0	135	Portland Cement	0	135	105	Sacks
16"	135	346					
14"	396	500					
10"	560	700					

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other
Backfill placed from ____ ft. to ____ ft. Material
Filter pack from ____ ft. to ____ ft. Material ____ Size ____

(5a) ABANDONMENT USING UNHYDRATED BENTONITE:
Calculated Amount Proposed to be Used: ____ sacks/lbs
Actual Amount Used: ____ sacks/lbs

(6) CASING/LINER

Csng	Linr	Dia	+	From	To	Gauge	Steel	Plastic	Welded	Thrd
✓		16"	+	2'	135	.250	✓		✓	
	✓	14"		0	395	.25	✓		✓	

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

(7) PERFORATIONS/SCREENS
Perforations Method Holes Perforated
Screens Type Material

Perf	Scrn	Csng	Linr	Screen Dia	From	To	Screen/ slot width	Slot length	# of slots	Tele/ pipe size
✓			✓		240	380	48	1"	2240	Pipe

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
360		220'	2

Temperature 60 °F Lab analysis ☐ Yes By
Water quality concerns? ☐ Yes (describe below) TDS ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County Harney Twp 23 N or (S) Range 32 (E) or W W.M.
Sec 18 SW 1/4 of the SW 1/4 Tax Lot 202
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
Street Address of Well (or nearest address) 69765 Old Experiment R

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL (ft)
Existing Well/Pre-Alteration				
Completed Well	7-22-09		-	63'

Flowing Artesian? ☐ Yes Dry Hole? ☐ Yes

WATER BEARING ZONES Depth water was first found 6'

SWL Date	From	To	Est Flow	SWL (psi)	+	SWL (ft)
6-12-09	6	21	100		-	6'
6-12-09	50	87	400		-	6'
6-14-09	96	130	700		-	14'
6-29-09	285	450	450		-	63'

(11) WELL LOG Ground Elevation

Material	From	To
Hard Gray Rock	395	396
Gray Pumice	396	450
Gray Clay	450	465
Green Claystone &	465	508
Green Clay - Claystone Layers	508	700

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AUG 06 2009
WATER RESOURCES DEPT
SALEM, OREGON

Date Started 6-11-09 Completed 7-22-09

(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 8-04-09
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 1355 Date 8-04-09
Signed
Contact Info. (optional)

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WATER RESOURCES DEPT
SALEM, OREGON

HARN 51917

Kickman Well 2

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

HARN 51917

4/3/2013

WELL I.D. LABEL# L 109953
START CARD # 1019140
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D
First Name STEVE & KRISTI Last Name RICKMAN
Company
Address 69705 OLD EXPERIMENT RD
City BURNS State ID Zip 97720

(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 236.00 ft.

BORE HOLE

Dia	From	To
23	0	58
18	58	112
16	112	238
8	238	240

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	6	8	S
Cement	6	58	54	S

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other BENTCHPS POURED FR
Backfill placed from ft. to ft. Material
Filter pack from 0 ft. to 236 ft. Material GRAVEL Size pea gravel
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
●	○	10	X	4	90	.250	●	○	X	
●	○	18	X	2	60	.250	●	○	X	
●	○	10		130	219	.250	●	○	X	
○	●	6		210	221	.250	●	○	X	
○	●	6		231	236	.250	●	○		

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

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Pipesize Material Stainless Steel

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	10	90	130	.025	.025		10
Screen	Liner	6	221	231	.025	.025		6

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

(●) Pump ( ) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
700	40	130	120

Temperature 57 °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 23.00 S N/S Range 31.00 E E/W WM
Sec 24 NE 1/4 of the NE 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
(●) Street address of well ( ) Nearest address
69705 OLD EXPERIMENT ROAD BURNS, OR 97720

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	3/14/2013			32

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 14.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
2/27/2013	14	28	25			10
2/27/2013	50	53	15			26
2/27/2013	65	232	200			32

(11) WELL LOG

Ground Elevation 4132.00

Material	From	To
top soil, clay brown	0	4
[illegible] brown	4	14
[illegible] & gravel, brown	14	28
clay, grey	28	41
clay & sand strips	41	44
clay, grey	44	50
gravel & sand	50	53
clay, grey	53	65
clay with fine sand strips	65	96
sand fine to medium, black	96	130
clay, grey	130	226
sand coarse, black	226	232
clay, grey	232	240
well filled in and completed to the depth drilled.		

MAY 20 2013

Date Started 2/27/2013 Complete 3/14/2013

(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 1899 Date 4/3/2013

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WATER RESOURCES DEPT
SALEM, OREGON

Signed SAM P KINGREY (E-filed)
Contact Info (optional)

ORIGINAL - WATER RESOURCES DEPARTMENT

Rickman Well 3

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

HARN 51887
10/25/2012

WELL I.D. LABEL# L 96843
START CARD # 1016576
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name STEVE & KRISTI Last Name RICKMAN
Company
Address 69705 OLD EXPERIMENT ROAD
City BURNS State OR Zip 97720

(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

[ ] 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 307.00 ft.

BORE HOLE

Dia	From	To
24	0	75
20	75	276
18	276	310
8	310	400

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	16	20	S
Cement	16	75	70	S

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other BENTCHPS POURED FR
Backfill placed from ft. to ft. Material
Filter pack from 0 ft. to 85 ft. Material PEA GRAV Size pea gravel
Explosives used: [ ] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
◉	○	20	X	1	77	.250	◉	○	X	
○	◉	14	X	1	125	.250	◉	○	X	
○	◉	12		125	127	40	◉	○	X	X
○	◉	12		227	287	SDR-1?	○	◉		X
○	○						○	○		

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

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type slotted/V-wire Material PVC/St.St.

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Liner	12	127	227	.032			12
Screen	Liner	12	287	307	.06			12

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

◉ Pump ○ Bailer ○ Air ○ Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
210	224	275	8

Temperature 57 °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 23.00 S N/S Range 31.00 E E/W WM
Sec 24 SE 1/4 of the NE 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ◉ Nearest address
69705 OLD EXPERIMENT ROAD BURNS,OR 97720

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	9/30/2012			51

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 9.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
5/10/2012	9	24	20			9
5/10/2012	50	68	30			25
5/11/2012	94	303	200			51

(11) WELL LOG

Ground Elevation

Material	From	To
top soil	0	2
clay black	2	9
sand & gravel	9	24
clay dark grey	24	50
sand & gravel	50	60
clay grey	60	66
sand & gravel	66	68
clay grey	68	94
clay grey w/cracks black sand	94	288
fractured gravel	288	303
clay grey	303	400

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FEB 05 2016
WATER RESOURCES DEPT
SALEM, OREGON

Date Started 5/8/2012 Complete 9/30/2012

(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 1899 Date 10/15/2012

Signed SAM P KINGREY (E-filed)

Contact Info (optional)

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

HARN 51887
10/25/2012

WELL I.D. LABEL# L 96843
START CARD # 1016576
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name STEVE & KRISTI Last Name RICKMAN
Company
Address 69705 OLD EXPERIMENT ROAD
City BURNS State OR Zip 97720

(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
[ ] 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 307.00 ft.

BORE HOLE

Dia	From	To
24	0	75
20	75	276
18	276	310
8	310	400

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	16	20	S
Cement	16	75	70	S

How was seal placed: Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other BENTCHPS POURED FR
Backfill placed from ft. to ft. Material
Filter pack from 0 ft. to 85 ft. Material PEA GRAVEL Size pea gravel
Explosives used: [ ] Yes Type Amount

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

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●	○	20	X	1	77	.250	●	○	X	
○	●	14	X	1	125	.250	●	○	X	
○	●	12		125	127	40	●	○	X	X
○	●	12		227	287	SDR-11	○	●		X
○	○						○	○		

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

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type slotted/V-wire Material PVC/St.St.

Perf/ Screen	Casing/ Screen Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Liner	12	127	227	.032			12
Screen	Liner	12	287	307	.06			12

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
210	224	275	8

Temperature 57 °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 23.00 S N/S Range 31.00 E E/W WM
Sec 24 SE 1/4 of the NE 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
○ Street address of well ● Nearest address
69705 OLD EXPERIMENT ROAD BURNS,OR 97720

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	9/30/2012			51

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 9.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
5/10/2012	9	24	20			9
5/10/2012	50	68	30			25
5/11/2012	94	303	200			51

(11) WELL LOG
Ground Elevation

Material	From	To
top soil	0	2
clay black	2	9
sand & gravel	9	24
clay dark grey	24	50
sand & gravel	50	60
clay grey	60	66
sand & gravel	66	68
clay grey	68	94
clay grey w/cracks black sand	94	288
fractured gravel	288	303
clay grey	303	400

Date Started 5/8/2012 Complete 9/30/2012

(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 1899 Date 10/15/2012
Signed SAM P KINGREY (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:

WATER SUPPLY WELL REPORT - continuation page

HARN 51887

10/25/2012

WELL I.D. LABEL# L 96843
START CARD # 1016576
ORIGINAL LOG #

(2a) PRE-ALTERATION

Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

Material	From	To	Amt	sacks/lbs

(5) BORE HOLE CONSTRUCTION

BORE HOLE Dia	From	To	Material	SEAL From	To	Amt	sacks/ lbs

FILTER PACK

From	To	Material	Size
85	230	SAND	8/12
230	310	SAND	6/9

(6) CASING/LINER

Casing Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd

(7) PERFORATIONS/SCREENS

Perf/ Screen	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

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

Water Quality Concerns

From	To	Description	Amount	Units

(10) STATIC WATER LEVEL

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)

(11) WELL LOG

Material	From	To

Comments/Remarks

5) Bentonite chips poured from surface, cement method "C" tremie pipe

6) 125' 127' is a 12 X 14 steel reducer welded to the 14" casing and a steel X PVC adapter,

HARN 51917

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

HARN 51917
4/3/2013

WELL I.D. LABEL# L 109953
START CARD # 1019140
ORIGINAL LOG #

(1) LAND OWNER

Owner Well I.D.
First Name STEVE & KRISTI Last Name RICKMAN
Company
Address 69705 OLD EXPERIMENT RD
City BURNS State ID Zip 97720

(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/Commercial [ ] Livestock [ ] Dewatering
[ ] Thermal [ ] Injection [ ] Other

(5) BORE HOLE CONSTRUCTION

Special Standard [ ] (Attach copy)
Depth of Completed Well 236.00 ft.

BORE HOLE

Dia	From	To
23	0	58
18	58	112
16	112	238
8	238	240

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	6	8	S
Cement	6	58	54	S

How was seal placed Method [ ] A [ ] B [X] C [ ] D [ ] E
[X] Other BENTCHPS POURED FR
Backfill placed from ft. to ft. Material
Filter pack from 0 ft. to 236 ft. Material GRAVEL Size pea gravel
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
●	○	10	X	4	90	.250	●	○	X	
●	○	18	X	2	60	.250	●	○	X	
●	○	10		130	219	.250	●	○	X	
○	●	6		210	221	.250	●	○	X	
○	●	6		231	236	.250	●	○		

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

(7) PERFORATIONS/SCREENS

Perforations Method
Screens Type Pipesize Material Stainless Steel

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Casing	10	90	130	.025	.025		10
Screen	Liner	6	221	231	.025	.025		6

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

(●) Pump ( ) Bailer ( ) Air ( ) Flowing Artesian

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
700	40	130	120

Temperature 57 °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 23.00 S N/S Range 31.00 E E/W WM
Sec 24 NE 1/4 of the NE 1/4 Tax Lot 201
Tax Map Number Lot
Lat ° ' " or DMS or DD
Long ° ' " or DMS or DD
(●) Street address of well ( ) Nearest address
69705 OLD EXPERIMENT ROAD BURNS, OR 97720

(10) STATIC WATER LEVEL

	Date	SWL (psi)	+	SWL (ft)
Existing Well / Pre-Alteration				
Completed Well	3/14/2013			32

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 14.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
2/27/2013	14	28	25			10
2/27/2013	50	53	15			26
2/27/2013	65	232	200			32

(11) WELL LOG

Ground Elevation 4132.00

Material	From	To
top soil, clay brown	0	4
clay brown	4	14
sand & gravel, brown	14	28
clay, grey	28	41
clay & sand strips	41	44
clay, grey	44	50
gravel & sand	50	53
clay, grey	53	65
clay with fine sand strips	65	96
sand fine to medium, black	96	130
clay, grey	130	226
sand coarse, black	226	232
clay, grey	232	240
well filled in and completed to the depth drilled.		

MAR 20 2013

Date Started 2/27/2013 Complete 3/14/2013

(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 1899 Date 4/3/2013

Signed SAM P KINGREY (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