State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900

Application for
Permit Amendment
Part 1 of 5 – Minimum Requirements Checklist

This permit amendment application will be returned if Parts 1 through 5 and all required attachments are not completed and included.
For questions, please call (503) 986-0900, and ask for Transfer Section.

Check all items included with this application. (N/A = Not Applicable)

☒ Part 1 – Completed Minimum Requirements Checklist.

☒ Part 2 – Completed Application Map Checklist.

☒ Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator. If you have questions, call Customer Service at (503) 986-0801.

☒ Part 4 – Completed Applicant Information and Signature.

☒ Part 5 – Information about Permits to be Amended: **Number of permits to be amended: One**
List them here: G-17359
Please include a separate Part 5 for each permit. (See instructions on page 6)

☒ Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner).

☐ ☒ N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at http://www.oregon.gov/owrd/pubs/docs/forms). Assignment is not needed if the applicant is the permit holder of record.

☐ ☒ N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant **or** other permit holders of record that are not listed as applicants.

☒ ☐ N/A Land Use Information Form with approval and signature (or signed land use form receipt stub). Land use form is not required if any of the following apply:

- ☐ Water is to be diverted, conveyed, and/or used only on federal lands.
- ☐ All of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
- ☐ The proposed changes are all located on the property reviewed in Land Use form enclosed in Water Right Application Folder # _____.

☒ ☐ N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.

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(For Staff Use Only)
WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

___ Application fee not enclosed/insufficient
___ Land Use Form not enclosed or incomplete
___ Additional signature(s) required
___ Map not included or incomplete
___ Assignment Form and fee not enclosed/insufficient
Part _____ is incomplete
Other/Explanation _____
Staff: _____ 503-986-0___ Date: ____/____/____

Your permit amendment application will be returned if any of the map requirements listed below are not met.

Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.

☐ ☒ N/A If **more than three** permits are involved, separate maps for each permit.

☒ Permanent quality printed with dark ink on good quality paper.

☒ The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.

☒ A north arrow, a legend, and scale.

☒ The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.

☒ Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.

☒ Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.

☒ Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.

☒ Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.

☒ Existing place of use that includes separate hachuring for each water use permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.

☒ ☐ N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.

☒ Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water use permit.

☒ ☐ N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

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	FEE WORKSHEET for PERMIT AMENDMENT		
1	Base Fee (includes one type of change to one permit for up to 1 cfs)	*1*	**$1,160**
2	Types of change proposed: ☒ Place of Use ☒ Point of Diversion/Appropriation Number of above boxes checked = **2** (2a) Subtract 1 from the number in line 2a = **1** (2b) *If only one change, this will be 0* Multiply line 2b by $930 and enter » » » » » » » » » » » » » »	*2*	**$ 930**
3	Number of permits included in Permit Amendment **1** (3a) Subtract 1 from the number in 3a: **0** (3b) *If only one permit this will be 0* Multiply line 3b by $520 and enter » » » » » » » » » » » » » »	*3*	**0**
4	Do you propose to add or change a well, or change from a surface water POD to a well? ☐ No: enter 0 » ☒ Yes: enter $410 »	*4*	**$ 410**
$ 41 05	Do you propose to change the place of use? ☐ No: enter 0 on line 5 » » » » » » » » » » » » » » » » » » ☒ Yes: enter the cfs for the portions of the permits to be amended (see example below*): **2.67** (5a) Subtract 1.0 from the number in 5a above: **1.67** (5b) If 5b is 0, enter 0 on line 5 » » » » » » » » » » » » » » » » » If 5b is greater than 0, round up to the nearest whole number: **2** (5c) and multiply 5c by $350, then enter on line 5 » » » » » » » » »	*5*	**$ 700**
6	Add entries on lines 1 through 5 above » » » » » » » » » » Subtotal:	*6*	**$ 3200**
7	Is this permit amendment: ☐ necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? ☐ endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 » If no box is applicable, enter 0 on line 7» » » » » » » » » » » » »	*7*	**0**
8	Subtract line 7 from line 6 » » » » » » » » **Permit Amendment Fee:**	*8*	**$ 3200**

*Example for Line 5a calculation to transfer 45.0 acres of Primary Permit S-12345 (total 1.25 cfs for 100 acres) and 45.0 acres of Supplemental Permit S-87654 (1/80 cfs per acre) on the same land:

1. For irrigation calculate cfs for each permit involved as follows:
   a. Divide total authorized cfs by total acres in the permit *(for S-12345, 1.25 cfs ÷100 ac)*; then multiply by the number of acres to be changed to get the application cfs *(x 45 ac= 0.56 cfs)*.
   b. If the water right permit does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). *(For S-87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs)*
2. Add cfs for the portions of permits on all the land included in the application; however **do not count cfs for supplemental permits on acreage for which you have already calculated the cfs fee for the primary permit on the same land**. The fee should be assessed only once for each "on the ground" acre included in the application. *(In this example, blank 5a would be only 0.56 cfs, since both permits serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0).*

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Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME			PHONE NO.	ADDITIONAL CONTACT NO.
Nicholas F. & Ladell K. SCHOTT				
ADDRESS				FAX NO.
P.O. Box 700				
CITY	STATE	ZIP	E-MAIL	
Burns	**OR**	**97720**		
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

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

AGENT/BUSINESS NAME			PHONE NO.	ADDITIONAL CONTACT NO.
John A. Short / Water Right Services, LLC			**541-389-2837**	
ADDRESS				FAX NO.
P.O. Box 1830				
CITY	STATE	ZIP	E-MAIL	
Bend	**OR**	**97709**	**johnshort@usa.com**	
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.				

Explain in your own words what you propose to accomplish with this permit amendment; and why:

Change to HARN 52604 L-123043 and change POU.

Old well, HARN 1895, will become an Observation Well.

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

☐ Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

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Is the applicant the permit holder of record? ☒ Yes ☐ No

If NO, include either:

☐ A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**

☐ An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

Burns

I understand that prior to Department approval of the permit amendment, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the permit is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: **Burns Times Herald**.

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

Nicholas F. Schott — Applicant Signature
Nicholas F. Schott — Print Name (and Title if applicable)
2/22/18 — Date

LaDell Schott — Applicant Signature
LaDell Schott — Print Name (and Title if applicable)
2/22/18 — Date

Check <u>one</u> of the following:

☐ The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.

☒ The permit holder(s) of record will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to the permit holder(s) of record.

Check the appropriate box, if applicable:

☐ Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district.

IRRIGATION DISTRICT NAME **N/A**	ADDRESS	
CITY	STATE	ZIP

☐ Check here if water for any of the permits supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME **N/A**	ADDRESS	
CITY	STATE	ZIP

To meet State Land Use Consistency Requirements, you must list all local governments (each county, city, municipal corporation, or tribal government) within whose jurisdiction water will be diverted, conveyed or used.

ENTITY NAME **Harney County Planning Department**	ADDRESS **360 N. Alvord**	
CITY **Burns**	STATE **OR**	ZIP **97720**

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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Please use a separate Part 5 for each permit being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

PERMIT # G-17359

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)
(Note: If the POD/POA name is not specified in the permit, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized by the permit or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp	Rng	Sec	¼ ¼	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
WELL 1	☒ Authorized ☐ Proposed	**HARN 1895**	**23 S**	**32 .5 E**	**17**	**SW NW**		**1,760' S, 1,200' E of NW Cor Sec 17**
WELL 2	☐ Authorized ☒ Proposed	**L-123043**	**23 S**	**32 .5 E**	**17**	**SE NW**		**1,980' S, 1,440' E of NW Cor Sec 17**
	☐ Authorized ☐ Proposed							
	☐ Authorized ☐ Proposed							

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

- ☒ Place of Use (POU)
- ☐ Point of Diversion (POD)
- ☐ Additional Point of Diversion (APOD)
- ☒ Point of Appropriation/Well (POA)
- ☐ Additional Point of Appropriation (APOA)
- ☐ Surface water POD to Ground Water POA (SW/GW)

Will all of the proposed changes affect the entire water use permit?

☒ Yes Complete only the proposed ("to" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.

☐ No Complete all of Table 2 to describe the portion of the permit to be changed.

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For a change in place of use:

Does the permit holder of record own or control the land TO which the place of use is being moved?
☒ Yes ☐ No

If NO, the landowner of the land TO which the place of use is being **moved must be assigned to the permit as a permit holder of record** by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

Is the proposed place of use contiguous to the authorized place of use? ☒ Yes ☐ No

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use **unless** the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

Please use and attach additional pages of Table 2 as needed.
See page 6 for instructions.

Do you have questions about how to fill-out the tables?
Contact the Department at 503-986-0900 and ask for Transfer Staff.

Table 2. Description of Changes to Water Use Permit # G-17359

List the change proposed for the acreage in each ¼ ¼. If more than one change is proposed, specify the acreage associated with each change.
If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES. List only that part or portion of the water right that will be changed.										Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.										
Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	¼ ¼	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date	
EXAMPLE																				
2	**S**	**9**	**E**	**15**	**NE**	**NW**	**100**		**15.0**	**POD #1 POD #2**		**POU/POD**	**2**	**S**	**9**	**E**	**15**	**NW**	**NW**	**100**	**1**	**10.0**	**POD #5**	
"	"	"	"	"	"	"	"	"	**EXAMPLE**	"		"	**2**	**S**	**9**	**E**	**15**	**SW**	**NW**	**200**		**5.0**	**POD #6**	
													23	**S**	**32.5**	**E**	**17**	**NW**	**NW**	**300**		**10.0**	**WELL 2**	**2013**
													"	"	"	"	"	**SW**	**NW**	**300**		**30.0**	"	"
													"	"	"	"	"	**NE**	**SW**	**600**		**30.0**	"	"
													"	"	"	"	"	**NW**	**SW**	**700**		**30.0**	"	"
													"	"	"	"	"	**SW**	**SW**	**800**		**30.0**	"	"
													"	"	"	"	"	**SE**	**SW**	**600**		**30.0**	"	"
TOTAL ACRES													TOTAL ACRES									**160.0**		

Additional remarks: _____.

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Are there other water rights certificates, water use permits or ground water registrations associated with the "from" or "to" lands? ☐ Yes ☒ No

If YES, list the other certificate, permit, or ground water registration numbers: **N/A**

If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

☒ Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map. (**Tip**: You may search for well logs on the Department's web page at: http://apps2.wrd.state.or.us/apps/gw/well_log/Default.aspx)

AND/OR

☐ Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well, OWRD Well ID Tag No. L-____	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well - specific rate (cfs or gpm). If less than full rate of water right

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

HARN 52604
10/25/2016

WELL I.D. LABEL# L 123043
START CARD # 1032380
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D.
First Name NICK Last Name SCHOTT
Company
Address PO BOX 700
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
[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 500.00 ft.

BORE HOLE

Dia	From	To
20	0	52
16	52	500

SEAL

Material	From	To	Amt	sacks/lbs
Bentonite Chips	0	52	61	S
		Calculated	52.5	
		Calculated		

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

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

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
●		16	X	2	99	.250	●		X	

Shoe [ ] Inside [X] Outside [ ] Other Location of shoe(s) 99
Temp casing [ ] Yes Dia From To

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material

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

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
800		500	1

Temperature 66 °F Lab analysis [ ] Yes By
Water quality concerns? [ ] Yes (describe below) TDS amount 141

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County HARNEY Twp 23.00 S N/S Range 32.50 E E/W WM
Sec 17 SE 1/4 of the NW 1/4 Tax Lot 200
Tax Map Number Lot
Lat ° ' " or 43.57890000 DMS or DD
Long ° ' " or -118.80273000 DMS or DD
( ) Street address of well (●) Nearest address
SOUTH HARNEY RD FROM HWY 20 TO DUSTY LANE. EAST APPROX 1 MILE

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	10/1/2016			51

Flowing Artesian? [ ] Dry Hole? [ ]

WATER BEARING ZONES Depth water was first found 38.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
9/27/2016	38	41	5			38
10/1/2016	371	500	1000			51

(11) WELL LOG
Ground Elevation

Material	From	To
Top soil brown	0	1
clay hard brown	1	4
sandy clay brown	4	19
clay soft blue	19	30
sandy clay blue	30	41
clay grey	41	94
clay hard grey	94	217
clay hard green	217	371
clay hard lt. brown with pumice strips	371	500

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Date Started 9/25/2016 Completed 10/1/2016

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number 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 10/25/2016
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:

10

STATE OF OREGON

WATER WELL REPORT

(as required by ORS 537.765)

Harney 1895

SEP 23 1991 WATER RESOURCES DEPT SALEM, OREGON

DEC - 3 1991 WATER RESOURCES DEPT SALEM, OREGON

23s/32½-17bc 26457

(1) OWNER:

Well Number:

Name Richard L. Fly

Address P.O. Box 1056

City BURNS State OR Zip 97720

(2) TYPE OF WORK:

☑ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☑ Cable

☐ Other

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☑ Irrigation

☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:

Special Construction approval Yes ☐ No ☒ Depth of Completed Well 113½ ft.

Explosives used Yes ☐ No ☒ Type Amount

HOLE Diameter	From	To	SEAL Material	From	To	Amount sacks or pounds
16"	0	18'	Bentonite	0	18'	1.5
12"	18'	113½'				

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

☑ Other TAMPED GRANULAR 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:	12"	1FT ABOVE	80'	.250	☒	☐	☒	☐
Liner:					☐	☐	☐	☐

Final location of shoe(s)

(7) PERFORATIONS/SCREENS:

☒ Perforations Method CUTING TORCH

☐ Screens Type Material

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
70'	80'	1/4	420	6" LONG	PIPE	☒	☐

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
500	40'		1 hr.

Temperature of water 48 Depth Artesian Flow Found

Was a water analysis done? ☐ Yes By whom

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

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata:

(9) LOCATION OF WELL by legal description:

County HARNEY Latitude Longitude

Township 23 N or S, Range 32½ E or W, WM.

Section 17 SW ¼ NW ¼

Tax Lot 400 Lot Block Subdivision

Street Address of Well (or nearest address)

(10) STATIC WATER LEVEL:

17' ft. below land surface. Date 9-17-91

Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:

Depth at which water was first found 13'

From	To	Estimated Flow Rate	SWL
13'	113½'		13'

(12) WELL LOG:

Ground elevation 4132 FT

Material	From	To	SWL
SANDY SOIL	0	4'	0
SOFT CLAY BLUE	4'	18'	13'
CLAY GRAY	18'	23'	13'
GRAY CLAY & CORSE SAND	23'	35	13'
BLACK SAND CORSE	35'	40'	13'
BLACK SAND FINE	40'	42'	13'
GRAY CLAY	42'	50'	13'
GRAY CLAY & MEDIUM SAND	50'	55'	13'
GRAY CLAY	55'	65'	13'
GRAY CLAY & FINE SAND	65'	70'	13'
GRAY CLAY	70'	90'	13'
BLACK CLAY	90'	95'	13'
CORSE SAND & GRAVEL	95'	100'	13'
WHITE PUMICE METERIAL	100'	113½'	13'
GRAY CLAY	113½	—	13'

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MAR 09 2018

OWRD

Date started 11-30 1990 Completed 9-17 1991

(unbonded) Water Well Constructor Certification:

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

WWC Number

Signed Date

(bonded) Water Well Constructor Certification:

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

WWC Number

Signed Richard L Fly Date 9-18-91

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT SECOND COPY - CONSTRUCTOR THIRD COPY - CUSTOMER 9809C 3/88