

Application for a Permit to Use Groundwater



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

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Water-Use Permit Application Processing

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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). 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 \$260. 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. 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 \$410 for the applicant and \$810 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.

Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.615)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

- SECTION 1: applicant information and signature
- SECTION 2: property ownership
- SECTION 3: well development
- SECTION 4: water use
- SECTION 5: water management
- SECTION 6: storage of groundwater in a reservoir
- SECTION 7: use of stored groundwater from the reservoir
- SECTION 8: project schedule
- SECTION 9: within a district
- SECTION 10: remarks

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Attachments:

- Land Use Information Form with approval and signature of local Planning Department (*must be an original*) or signed receipt
- 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. Example: **A copy of the deed, land sales contract or title insurance policy.**
- Fees - Amount enclosed: \$ **2,880 (\$ 2,210 + \$ 670 mitigation fee)**
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.

Provide a map and check that each of the following items is included:

- Permanent quality and drawn in ink
- Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
- North Directional Symbol
- Township, Range, Section, Quarter/Quarter, Tax Lots
- Reference corner on map
- Location of each well, and/or dam if applicable, by reference to a recognized public land survey corner (distances north/south and east/west). Each well must be identified by a unique name and/or number.
- Indicate the area of use by Quarter/Quarter and tax lot clearly identified
- Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
- Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

Application for a Permit to Use Groundwater



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SECTION 1: APPLICANT INFORMATION AND

SIGNATURE

Applicant Information

NAME		PHONE (HM)	
PHONE (WK)	CELL	FAX	
ADDRESS		RECEIVED	
		JUN 06 2018	
CITY	STATE	ZIP	E-MAIL*

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Organization Information

NAME OBR Land Management, LLC		PHONE	FAX
ADDRESS 19638 Hollygrape Street		CELL	
CITY BEND	STATE OR	ZIP 97703	E-MAIL*

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

AGENT / BUSINESS NAME JOHN A. SHORT / WATER RIGHT SERVICES, LLC		PHONE	FAX
ADDRESS P.O. Box 1830		CELL	
CITY BEND	STATE OR	ZIP 97709	E-MAIL* johnshort@usa.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.



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

Ross Kranz
Applicant Signature

Ross Kranz - owner
Print Name and title if applicable

6/3/2018
Date

Applicant Signature

Print Name and title if applicable

Date

For Department Use		
App. No. <u>6-18700</u>	Permit No. _____	Date _____

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
L-127897	Deschutes River	2600 ft	180 ft

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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There are no encumbrances.

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G-10740

SECTION 3: WELL DEVELOPMENT, CONTINUED

Total maximum rate requested: 0.01 cfs (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 (ACRE-FEET)
Well	<input type="checkbox"/>	<input checked="" type="checkbox"/>	L-127897	<input type="checkbox"/>	8"	1.5' to 18.5'	600' to 640'	0 to 18.5'	550'	Brown SS	640'	20 gpm	5.6 af
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

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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.

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
NU	Year around	5.6 af

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: N/A Acres Supplemental: N/A Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):

 N/A

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: N/A

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: N/A
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.
- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): N/A

SECTION 5: WATER MANAGEMENT

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A. Diversion and Conveyance

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

Pump (give horsepower and type): Submersible

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Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. **Water to be piped from well to nursery**

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*)

 Drip

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 (*attach additional sheets if necessary*).

Programed watering using controlled drip system

SECTION 6: STORAGE OF GROUNDWATER IN A RESERVOIR

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

Reservoir name: N/A Acreage inundated by reservoir:

Use(s):

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 GROUNDWATER FROM THE RESERVOIR

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

Annual volume (acre-feet): N/A

USE OF STORED GROUNDWATER	PERIOD OF USE
N/A	

SECTION 8: PROJECT SCHEDULE

Date construction will begin: 2018

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Date construction will be completed: 2023

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Date beneficial water use will begin: 2024

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SECTION 9: WITHIN A DISTRICT

Check here if the point of appropriation (POD) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name Swalley Irrigation District	Address 64672 Cook Avenue
City Bend	State OR
	Zip 97701

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

Swalley Irrigation District serves IR rights on same property.

Land Use

Information Form



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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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Land Use Information Form



Oregon Water Resources Department
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(503) 986-0900
www.wrd.state.or.us

Applicant: Ross Kranz
Bend First OR 503 Last
 Mailing Address: 19638 Hollygrape St
Bend OR 97702 Daytime Phone: 503 381 5293
City State Zip

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:
	<u>12</u>	<u>16</u>		<u>1700</u>	<u>EFU</u>	<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Ag</u>
<u>Deschutes County</u>						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Ag</u>
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Ag</u>
						<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used	<u>Ag</u>

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

Deschutes County RECEIVED
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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 Groundwater 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: 3.13 cubic feet per second gallons per minute acre-feet Annually

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

Briefly describe:

We intend to use water to irrigate recreational marijuana plants

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. →

For Local Government Use Only

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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): _____
- 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:	
Administrative Determination	DCC 18.116.330	<input checked="" 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: 1222 Liu Title: Associate Planner
 Signature: [Signature] Phone: 541-388-6554 Date: 3/23/18
 Government Entity: Deschutes 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: Deschutes County Staff contact: 1222 Liu
 Signature: [Signature] Phone: 541-388-6554 Date: 3/23/18

Date _____

(For staff use only)



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WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

- SECTION 1: _____
- SECTION 2: _____
- SECTION 3: _____
- SECTION 4: _____
- SECTION 5: _____
- SECTION 6: _____
- SECTION 7: _____
- SECTION 8: _____
- SECTION 9: _____
- Land Use Information Form _____
- 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.
- Fees _____

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MAP

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- Permanent quality and drawn in ink
- Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
- North Directional Symbol
- Township, Range, Section, Quarter/Quarter, Tax Lots
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- Indicate the area of use by Quarter/Quarter and tax lot clearly identified
- Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
- Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
- Other _____

EXHIBIT "A" LEGAL DESCRIPTION

Order No.: WT0153618

Parcel 3, Partition Plat 1992-61, being a portion of the South Half of the South Half (S½ S½) of Section 16, Township 16 South, Range 12 East of the Willamette Meridian, Deschutes County, Oregon.

EXCEPTING THEREFROM the following:

Beginning at a point along the South line of said Section 16, being the South point of the original cul-de-sac at the West end of Bemis Lane as said Bemis Lane was dedicated on the face of the Partition Plat 1992-61 recorded in Deschutes County Plat Records, from which the South quarter corner of said section 16 bears South 89°55'41" West, 170.00 feet; thence 157.09 feet along the arc of a 50 foot radius curve, three chords of which bear North 56°45'17" West, 54.62 feet, North 14°48'36" East, 62.20 feet and North 71°42'16" East, 31.62 feet; thence North 00°08'24" East, 559.53 feet to a point along the original South line of Parcel 1 of Partition Plat 1992-61; thence along said South line North 89°54'50" East, 206.00 feet to the original Southeast corner of Parcel 1 of Partition Plat 1992-61; thence South 00°08'23" West, 559.58 feet to a point along the arc of a 50 foot radius curve of the adjusted cul-de-sac at the West end of Bemis Lane; thence 157.08 feet along the arc of said curve, three chords of which bear South 71°42'17" West, 31.62 feet, South 17°29'13" West, 58.47 feet and South 54°04'40" East, 58.47 feet; thence along the South line of said Section 16, South 89°55'41" West 206.00 feet to the point of beginning.

ALSO EXCEPTING THEREFROM that portion dedicated to the public for Bemis Road in declaration of dedication recorded March 31, 1994 in Book 334, Page 0865, Deschutes County Records.

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G-18700

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

DESC 61112
3/12/2018

WELL I.D. LABEL# 127897
START CARD # 1037835
ORIGINAL LOG #

(1) LAND OWNER
Owner Well I.D. _____
First Name _____ Last Name _____
Company OBR LAND MANAGEMENT
Address 19638 HOLYGRAPE ST
City BEND State OR Zip 97702

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

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

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

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

(5) BORE HOLE CONSTRUCTION Special Standard (Attach copy)
Depth of Completed Well 640.00 ft.

BORE HOLE SEAL sacks/lbs

Dia	From	To	Material	From	To	Amt	lbs
12	0	18.5	Bentonite	0	18.5	14	S
8	18.5	640			Calculated	10.49	
					Calculated		

How was seal placed: Method A B C D E
 Other BENTONITE DRY
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
<input checked="" type="checkbox"/>	8	<input checked="" type="checkbox"/> 1.5 18.5 .250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	6	<input type="checkbox"/> 10 640 .188	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Shoe Inside Outside Other Location of shoe(s) 640
Temp casing Yes Dia _____ From + _____ To _____

(7) PERFORATIONS/SCREENS
Perforations Method Factory Cut
Screens Type _____ Material _____

Perf/Screen	Casing/Screen	Dia	From	To	Scm/slot width	Slot length	# of slots	Tele/pipe size
Perf	Liner	6	600	640	.125	3	468	

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
20		620	1.5

Temperature 56 °F Lab analysis Yes By _____
Water quality concerns? Yes (describe below) TDS amount 102 ppm
From To Description Amount Units

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)
County DESCHUTES Twp 16.00 S N/S Range 12.00 E E/W WM
Sec 16 SW 1/4 of the SE 1/4 Tax Lot 1700
Tax Map Number _____ Lot _____
Lat _____ " or 44.18389173 DMS or DD
Long _____ " or -121.29022532 DMS or DD
 Street address of well Nearest address
65625 OLD BEND REDMOND HWY

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration	Date	SWL(psi)	+ SWL(ft)
Completed Well	2/16/2018		550

Flowing Artesian? Dry Hole?

WATER BEARING ZONES Depth water was first found 556.00

SWL Date	From	To	Est Flow	SWL(psi)	+ SWL(ft)
2/16/2018	550	640	20		550

(11) WELL LOG Ground Elevation _____

Material	From	To
Top Soil	0	1
Brown ss	1	5
Basalt	5	29
Brown SS	29	137
Lava	137	147
Brown Congl SS	147	151
lava	151	155
loose Brown Congl 4 Yards S.G.	155	170
lava	170	178
Brown SS	178	197
lava	197	207
Brown SS	207	216
lava	216	222
Brown Congl	222	556
lava	556	595
Caving Red Cinder	595	616
Brown SS	616	640

Date Started 2/13/2018 Completed 2/16/2018

(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 1970 Date 3/12/2018
Signed NEIL FAGEN (E-filed)

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1255 Date 3/12/2018
Signed WILLIAM AIKEN (E-filed)
Contact Info (optional) 541-548-1245

G-18700



Oregon Water Resources Department
 Apply for a Permit to Appropriate Ground Water and/or Store Ground Water

- Main
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Today's Date: Friday, April 6, 2018

Base Application Fee for use of Ground, Surface and optionally Stored Water.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	0.01	\$350.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed Ground Water points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	1	
Number of Acre Feet to be stored in a reservoir/pond from Ground Water.	0	
Number of Acre Feet to be appropriated from reservoir/pond (Only Applies to reservoir/pond constructed under Ground Water Application)	0	
Number of reservoirs.	0	
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st Ground Water point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$2,210.00

OWRD Fee Schedule

Fee Calculator Version B20170117

2,210.00 + 670 mit fee = 2,880

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JUN 06 2018

OWRD

G-18700



Oregon Water Resources Department
Apply for a Permit to Appropriate Ground Water and/or Store Ground Water

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Today's Date: Thursday, June 7, 2018

Base Application Fee for use of Ground, Surface and optionally Stored Water.		\$1,340.00
Number of proposed cubic feet per second (cfs) to be appropriated. (1 cfs = 448.83 gallons per minute)	1	\$350.00
Number of proposed Use's for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed Ground Water points of appropriation. (i.e. number of wells) (include all injection wells, if applicable) **	1	
Number of Acre Feet to be stored in a reservoir/pond from Ground Water.	0	
Number of Acre Feet to be appropriated from reservoir/pond (Only Applies to reservoir/pond constructed under Ground Water Application)	0	
Number of reservoirs.	0	
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st Ground Water point of appropriation is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$2,210.00

OWRD Fee Schedule

Fee Calculator Version B20170117

Deschutes mitg - + \$670

2,880.00