

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.oregon.gov/OWRD



SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant (may be an individual(s) or organization)

Name(s) (as it should appear on any permit that may be issued)	Primary Contact (required if applicant is an organization)		
Justin & Kelli Rose			
Mailing Address	City	State	Zip
35694 Embree Bridge Ln	Burns	OR	97720
Email Address *	Phone		
roseranch4@gmail.com	541-589-5841		

Applicant (may be an individual(s) or organization)

Name(s) (as it should appear on any permit that may be issued)	Primary Contact (required if applicant is an organization)		
Mailing Address	City	State	Zip
Email Address *	Phone		

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

Agent/Business Name			
Bryce Withers / Water Right Services, LLC			
Mailing Address	City	State	Zip
PO Box 1830	Bend	OR	97709
Email Address *	Phone		
brycewrs@gmail.com	541-389-2837		

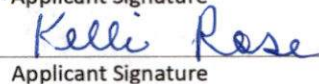
* **Unless requested otherwise**, the Department will send documents and notifications associated with the processing of this application in electronic form (i.e., by email). Please note, the Department will send the applicant the Proposed Final Order by certified mail and any permit that may be issued by standard mail.

By my signature below, I confirm that I understand:

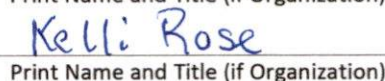
- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot legally use water until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before 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 begin construction prior to the issuance of a permit, I assume all risks associated with my actions.
- If I receive 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 receive water to which they are entitled.

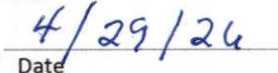
I (we) affirm that the information contained in this application is true and accurate.

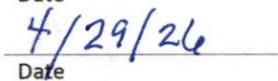

Applicant Signature


Applicant Signature


Print Name and Title (if Organization)


Print Name and Title (if Organization)


Date


Date

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SECTION 2: PROPERTY OWNERSHIP AND SIGNATORY AUTHORITY

A. 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.
- ☐ YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- ☒ NO, I have a recorded easement or written authorization permitting access.
- ☐ NO, I do not currently have written authorization or easement permitting access.
- ☐ NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submerged and/or submersible lands, and this application is for irrigation and/or domestic use only. ORS 274.040.
- ☐ NO, because water is to be diverted, conveyed and used only on federal lands.
- ☐ NO, written authorization or an easement is not necessary, because the application is made by or on behalf of a public corporation. ORS 537.211(7). Public corporation is defined in ORS 536.007(7).

B. Affected Landowners

List the names, mailing addresses, and, if available, email addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, or any lands not owned by the applicant within the proposed place of use, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary.)*

Matt & Grace Johnson, 55995 Moffit Rd., Brothers, OR 97712

C. Legal Description

You must provide legal descriptions for all of the following: *(Attach copies)*

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.

D. Evidence of Signatory Authority

If the applicant is a public agency, corporation or business, trust, or other organization, you must provide the title or authority of the person signing the application on behalf of the entity in **Section 1**, and you must attach evidence of signatory authority or a signed statement that such authority exists. *(Attach copies)*

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SECTION 3: WELL DEVELOPMENT

Total maximum rate requested: **3.6** ☒ CFS ☐ GPM

(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. (Attach additional sheets if necessary) 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.

WELL NAME OR WELL #	PROPOSED	EXISTING	WELL ID* (WELL TAG) 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)	TOTAL ANNUAL VOLUME (ACRE-FEET)
Well	☐	☒	DESC 64668/ L-137721	☐	20"	+1-77'	550-630'	0-77'	526.24'	Tertiary Volcanic	630'		3 af/ac
	☐	☐		☐									
	☐	☐		☐									
	☐	☐		☐									
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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 3: WELL DEVELOPMENT, continued

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.*)

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided on the last page of this application form or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:

https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need additional help, please call the customer service desk at (503) 986-0900.

Upper Columbia - OAR 690-033-0115 through -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

☒ Yes ☐ No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.

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- I understand that I will install and maintain water-use measurement and recording devices as required by the Water Resources Department and comply with recording and reporting permit condition requirements prior to use of water under any permit issued pursuant to this application.

Lower Columbia - OAR 690-033-0220 through -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

☐ Yes ☒ No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters, you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

Is the proposed use for more than **one** cubic foot per second (448.8 gpm) and not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans)?

☐ Yes ☐ No

If yes, please provide a description of the measures to be taken to assure reasonably efficient water use:

Statewide - OAR 690-033-0330 through -0340

Is the well or proposed well located in an area where the Statewide rules apply?

☒ Yes ☐ No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters, you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve "no loss of essential habitat of threatened and endangered (T&E) fish species," or "no net loss of essential habitat of sensitive (S) fish species." If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

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SECTION 5: WATER USE

Identify each proposed use of water under this application, the requested period of use (e.g., year-round, Mar 1 – Oct 31, etc.), and provide the total annual volume requested. Please note that this is the total amount and not the duty.

USE	PERIOD OF USE	TOTAL ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 - October 31	864 AF (3 AF/AC)

- If the use is **irrigation or nursery use**, please indicate the number of acres for primary irrigation, supplemental irrigation and/or nursery use. *(Please check that this matches the application map.)*
 - Primary Irrigation: 288.0 acres
 - Supplemental Irrigation: _____ acres
 - Nursery Use: _____ acres
 - Total number of acre-feet you are requesting to use annually for the above uses: _____ acre-feet
 - If supplemental irrigation acres are listed, provide the permit or certificate number of the underlying primary water right(s): _____
- If the use is **municipal or quasi-municipal**, you are required to attach a completed **Form M**: <https://www.oregon.gov/owrd/WRDFormsPDF/muniform.pdf>
- If the use is **domestic**, indicate the number of households (please note that 15,000 gallons per day for single or group **domestic** purposes is **exempt** from permitting requirements): _____ households
- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): _____

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SECTION 6: WATER MANAGEMENT

A. Diversion and Conveyance

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

☒ Pump (provide horsepower and type):

400 HP Turbine

☐ Other means (describe):

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water.

Water is pumped from a well through a buried pipeline to two pivots.

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.)*

Two Pivot systems.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: (1) prevent waste, (2) measure the amount of water diverted, (3) prevent damage to aquatic life and riparian habitat, (4) prevent the discharge of contaminated water to a surface stream, and (5) prevent adverse impact to public uses of affected surface waters. *(Attach additional sheets if necessary.)*

Water will be applied conservatively as needed using an efficient controlled pivot system, water will not be wasted.

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SECTION 7: RESOURCE PROTECTION

In granting permission to use water, the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterways or streamside areas. Please indicate any of the practices you plan to undertake to protect water resources.

- ☒ Water quality will be protected by preventing erosion and run-off of waste or chemical products.

Describe:

Pivot system prevents erosion and runoff.

- ☒ Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.

Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.

Describe planned actions and additional permits required for project implementation:

N/A, no excavation is needed.

- ☒ Other state and federal permits or contracts required and to be obtained, if a water right permit is granted.

List:

N/A

SECTION 8: PROJECT SCHEDULE

- a) Date construction will begin: Complete
- b) Date construction will be completed: Complete
- c) Date beneficial water use will begin: Complete

Please note, the above items (a)-(c) must be provided for an application to be accepted as complete. It is understood that these proposed dates may be approximate (i.e., month-year).

SECTION 9: WITHIN A DISTRICT

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

Irrigation District Name		Mailing Address	
City	State	Zip	

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Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

NOTE TO APPLICANTS

In order for your application to be processed by the Oregon Water Resources Department (OWRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be diverted, conveyed, used, and developed. Applications received by OWRD without the Land Use Information Form will be returned to you. Please be aware that your application cannot be approved without land use approval.

This form is **NOT** required if:

- 1) Water is to be diverted, conveyed, and used on federal lands only; **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 a new water right or modifying an existing water right. The Oregon Water Resources Department (OWRD) requires applicants to obtain land use information to ensure the water right does not result in land uses that are incompatible with your comprehensive plan. Please complete the form and return it to the applicant for inclusion in their application.

You will receive notice via OWRD's weekly Public Notice once the applicant formally submits their request to OWRD. The notice will give more information about OWRD's water right process and provide additional comment opportunities. If you have questions concerning this form, please contact OWRD's Customer Service Group at 503-986-0900 or WRD_DL_customerservice@water.oregon.gov.

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Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

NAME Justin & Kelli Rose		PHONE 541-589-5841	
MAILING ADDRESS 35694 Embree Bridge Ln.			
CITY Burns	STATE OR	ZIP 97720	EMAIL roseranch4@gmail.com, brycewrs@gmail.com

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:
20S	16E	25 & 26		2400	EFUHR	☐ Diverted ☒ Conveyed ☒ Used	Irrigation
20S	17E	30		1400	EFUHR	☒ Diverted ☒ Conveyed ☐ Used	Irrigation Well & Pipeline
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	
						☐ Diverted ☐ Conveyed ☐ Used	

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

Deschutes County.

NOTE: A separate Land Use Information Form must be completed and submitted for each county and city, as applicable.

B. Description of Proposed Use

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

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

Source of water: ☐ Reservoir/Pond ☒ Ground Water ☐ Surface Water (name) _____

Estimated quantity of water needed: 3.6 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

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

Briefly describe:

Groundwater application to pump water from a well for two irrigation pivots.

See Page 4 →

For Local Government Use Only

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

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water use(s), including proposed construction, are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): DCC 18.16.020(A)
- ☐ Land uses to be served by the proposed water use(s), 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:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

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

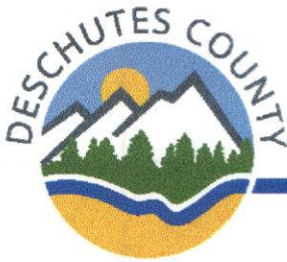
Please see attached letter.

Name: Caroline House Title: Senior Planner

Signature: Caroline House Date: 2026.04.20 16:12:47 -0700

Governmental Entity: Deschutes County Phone: 541-388-6667

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April 20, 2026

Deschutes County File No. 247-26-000240-PS

Township/Range/Section & Tax Lot: 20S-16E-25/26, Tax Lot 2400 & 20S-17E-30, Tax Lot 1400

Zoning: Exclusive Farm Use – Horse Ridge Subzone and Sensitive Bird & Mammal Habitat, Sage Grouse Habitat Area, and Wildlife Area Combining Zones.

Request: The Applicant has requested a Land Use Compatibility Statement (LUCS) for an OWRD permit to use or store water. The proposed use listed on the OWRD LUCS form is “[g]roundwater application to pump water from a well for two irrigation pivots” and, on April 20, 2026, the Applicant further clarified that the intended use of ground water is for the cultivation of hay or alfalfa type crops.

Land Use Compatibility Statement: Staff interprets the Applicant’s request as a proposal for crop irrigation. Deschutes County Code (DCC), Oregon Revised Statute (ORS) 215.203, and Oregon Administrative Rule (OAR) 660-033-0020 establish the following definition for “farm use”:

“Farm use” means the current employment of land for the primary purpose of obtaining a profit in money by raising, harvesting and selling crops or the feeding, breeding, management and sale of, or the produce of, livestock, poultry, fur-bearing animals or honeybees or for dairying and the sale of dairy products or any other agricultural or horticultural use or animal husbandry or any combination thereof. “Farm use” includes the preparation, storage and disposal by marketing or otherwise of the products or by-products raised on such land for human or animal use. “Farm use” also includes the current employment of land for the primary purpose of obtaining a profit in money by stabling or training equines including but not limited to providing riding lessons, training clinics and schooling shows. “Farm use” also includes the propagation, cultivation, maintenance and harvesting of aquatic, bird and animal species that are under the jurisdiction of the State Fish and Wildlife Commission, to the extent allowed by the rules adopted by the commission. “Farm use” includes the on-site construction and maintenance of equipment and facilities used for the activities described in this subsection. “Farm use” does not include the use of land subject to the provisions of ORS chapter 321, except land used exclusively for growing cultured Christmas trees or land described in ORS 321.267 (3) or 321.824 (3).

This LUCS only confirms the use of ground water for “farm use” is a use allowed outright.

This LUCS does not review or approve:

- Construction of buildings or fencing,

117 NW Lafayette Avenue, Bend, Oregon 97703 | P.O. Box 6005, Bend, OR 97708-6005

☎ (541) 388-6575

@cdd@deschutes.org

🌐 www.deschutes.org/cd

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- Earthmoving or construction in floodplains,
- Earthmoving, construction, or vegetation changes in wetlands,
- Surface mining, and/or
- Other primary or accessory uses regulated by the Deschutes County Code

Each of the listed uses may require separate land use permits and/or building permits, which are not covered by this LUCS.

For more information, please contact the Deschutes County Planning Division at 541-388-6560 / planning@deschutes.org.

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THIS SPACE RESERVED FOR RECORDER'S USE

After recording return to:

Matthew Clay Johnson and Grace Martene
Johnson

55995 Moffitt Road

Brothers, OR 97712

Until a change is requested all tax statements
shall be

sent to the following address:

Matthew Clay Johnson and Grace Martene
Johnson

55995 Moffitt Road

Brothers, OR 97712

File No. 1042563

Deschutes County Official Records **2026-05801**

D-D

Str=25 HF

03/02/2026 11:01 AM

\$20.00 \$11.00 \$10.00 \$61.00 \$10.00

\$112.00

I, Steve Dennison, County Clerk for Deschutes County, Oregon,
certify that the instrument identified herein was recorded in the
Official Records.

Steve Dennison - County Clerk

STATUTORY WARRANTY DEED

Justin Rose and Kelli Rose, as tenants by the entirety, Grantor(s), hereby convey and warrant to

Matthew Clay Johnson and Grace Martene Johnson, husband and wife,

Grantee(s), the following described real property in the County of Deschutes and State of Oregon free
of encumbrances except as specifically set forth herein:

See Attached Exhibit 'A'

The true and actual consideration for this conveyance is \$4,250,000.00.

The above-described property is free of encumbrances except all those items of record, if any, as of
the date of this deed and those shown below, if any:

Real property taxes due, if any, but not yet payable

Return To:



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BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

Dated: 2/17/26

Justin Rose
Justin Rose

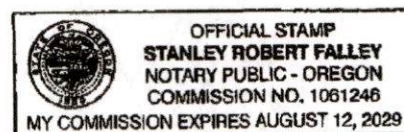
Kelli Rose
Kelli Rose

State of Oregon } ss
County of Harney }

On this 17 day of February, 2026, before me, Stanley Robert Falley, a Notary Public in and for said state, personally appeared Justin Rose and Kelli Rose, known or identified to me to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged that he/she/they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

Stanley Robert Falley
Notary Public for the State of Oregon
Residing at: Burns
Commission Expires: 8-12-2029



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EXHIBIT 'A'

File No. 1042563

In TOWNSHIP TWENTY (20) SOUTH, RANGE FIFTEEN (15) EAST OF THE WILLAMETTE MERIDIAN, Deschutes County, Oregon.

SECTION 35: S1/2 NW 1/4 SW 1/4 NE 1/4
S1/2 NE1/4 SE1/4 NW1/4
SW1/4 SW1/4 NE1/4
S1/2 SW1/4 SE1/4 NE1/4
E1/2 NE1/4 SW1/4
NW1/4SE1/4
SE1/4 SE1/4 NW1/4
NW1/4SE1/4 SE1/4

SECTION 36: ALL
in TOWNSHIP 20 SOUTH, RANGE 16 EAST OF THE WILLAMETTE MERIDIAN, Deschutes County, Oregon.

SECTION 21: N 1/2 NW1/4
SE1/4 NW1/4
NE1/4 SW1/4
S1/2 NE1/4
SE1/4

SECTION 22: NE1/4 NW1/4
NE1/4
NE1/4 SE1/4
S1/2 NW1/4
SW1/4
S1/2 SE1/4

SECTION 23: E1/2

SECTION 24: N1/2 SW1/4

SECTION 25: ALL

SECTION 26: ALL

SECTION 27: N1/2 NW1/4 E1/2

SECTION 28: SW1/4

SECTION 30: S1/2

SECTION 32: NE 1/4 SW1/4
W1/2 E1/2
SE1/4 NE1/4
NE1/4 SE1/4

SECTION 33: N1/2 N1/2

SECTION 35: NE1/4 NW1/4
N1/2 NE1/4
SW1/4NE1/4

SECTION 36: SW1/4
In TOWNSHIP 20 SOUTH, RANGE 17 EAST OF THE WILLAMETTE MERIDIAN, Deschutes County, Oregon:

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SECTION 19: W1/2

SECTION 20: S1/2

SECTION 30: W1/2

SECTION 32: NW1/4

W1/2 NE1/4 SE1/4 NE1/4

In TOWNSHIP 21 SOUTH, RANGE 16 EAST OF THE WILLAMETTE MERIDIAN, Deschutes County, Oregon:

SECTION 2: N1/2 SW1/4

SW1/4SW1/4

SECTION 10: E1/2 E1/2

SECTION 11: NW1/4 NW1/4

In TOWNSHIP 21 SOUTH, RANGE 16 EAST OF THE WILLAMETTE MERIDIAN, Deschutes County, Oregon:

SECTION 1: Lots 1, 2, 3, 4 NE1/4 SW1/4 N1/2 SE1/4

SECTION 2: Lot 1

In TOWNSHIP 21 SOUTH, RANGE 17 EAST OF THE WILLAMETTE MERIDIAN, Deschutes County, Oregon:

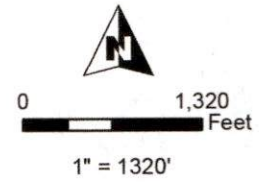
SECTION 6: Lots 4, 5

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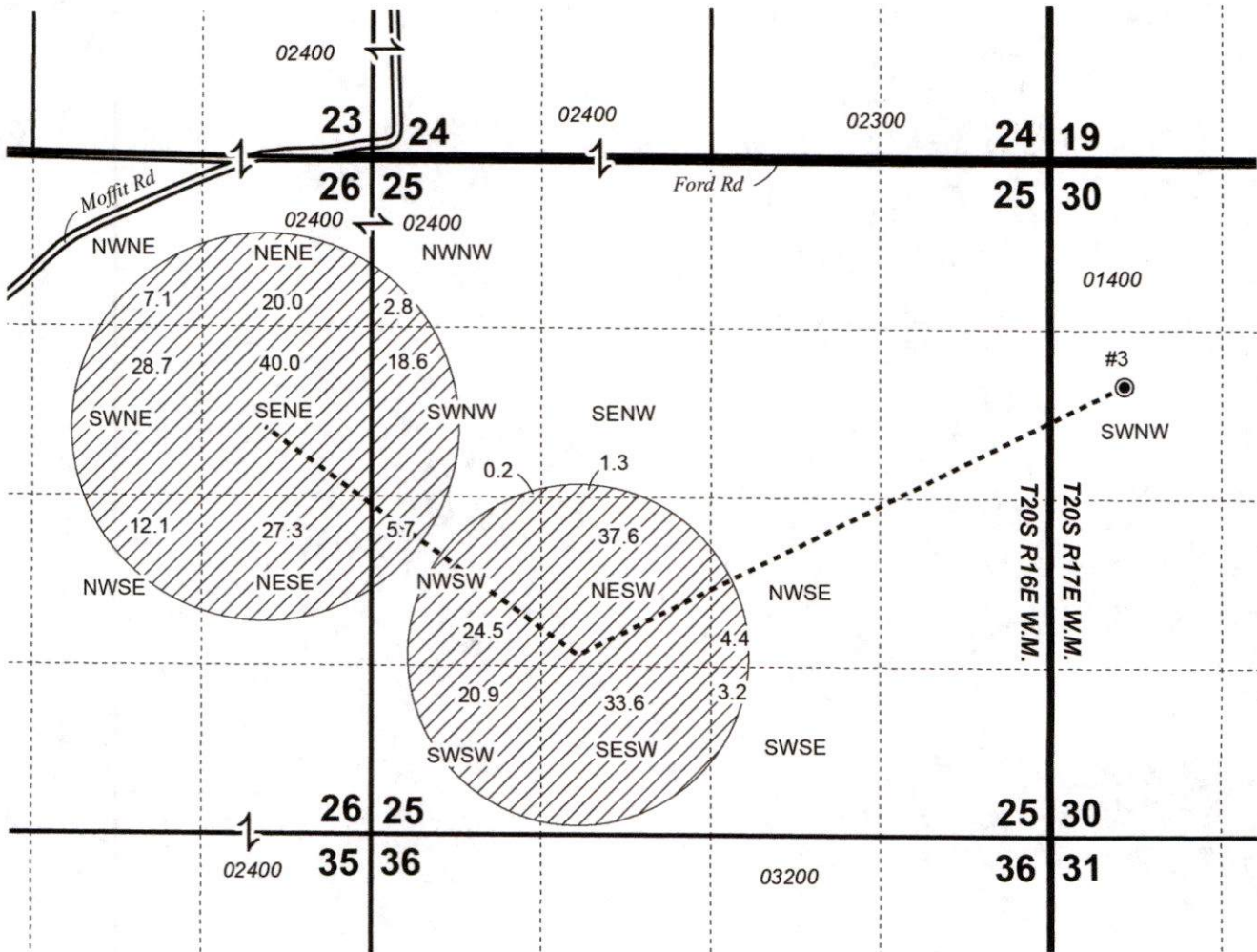
**T20S R16E &
T20S R17E, WM
DESCHUTES COUNTY, OR**

- Well & Meter
- Pipeline
-  POU IR
-  Township
-  Section
- Quarter Quarter
-  Tax Lot

COPY



Well Location (DESC64668/L-137721):
 1740' S, 570' E of NW Cor Sec 30, T20S R17E W.M.
 Lat: 43.809171 Lon: -120.745739 WGS 84



GROUNDWATER APPLICATION MAP
Rose

Date: 4/16/2026

This map is not intended
 to provide legal dimensions
 or locations of property
 ownership lines.

WATER RIGHT SERVICES, LLC
 PO BOX 1830, BEND, OR 97709
WWW.OREGONWATER.US
 info@oregonwater.us 541-389-2837

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How would you like to enter your Location?

- ☒ Latitude/Longitude in Decimal Degrees (ex: Latitude: 45.0123 degrees, Longitude: -121.5321 degrees)
☐ Latitude/Longitude in Decimal Minutes (ex: 45 degrees, 27.567 minutes)
☐ Latitude/Longitude in Degrees, Minutes, Seconds (ex: 45 degrees, 37 minutes, 28 seconds)
☐ By Address (ex: 725 Summer ST NE Salem, OR 97301)
☐ By Public Land Survey (Township 1S, Range 3E, Section 5, NE Quarter/Quarter of SW Quarter)

Latitude: 43.809171

Longitude: -120.745739

Find Location

Location

Latitude/Longitude: 43.80917, -120.7457

OR Lambert X,Y: 1247477, 750696.2

[View Location on Google Maps](#)

Public Land Survey (TRSQQ)

Meridian: WM

Township/Range/Section: 20.00S-17.00E-30

Quarter/Quarter: SW-NW

Political Features

County: Deschutes

OWRD Region: C

Watermaster District: 24

ODFW Region: High Desert

ODFW District: Deschutes District

Hydrologic Features

Basin: DES

Water Availability Basin: [DRY R > CROOKED R - AT MOUTH \(30530501\)](#)

Priority WAB Name: DRY R @ mouth (OWRD: Poor, ODFW: Moderate) (30530501)

100 Year Flood Zone: n/a

Groundwater Features

Groundwater Restricted Area: n/a

Special Well Const. Standards Area: n/a

DEQ GW Management Area: n/a

Other Features

4D Rules Apply: n/a

Division 33 Ruleset(s): Upper Columbia; STATEWIDE

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STATE OF OREGON
WATER SUPPLY WELL REPORT

DESC 64668

WELL I.D. LABEL# 137721

START CARD#

1053787

ORIGINAL LOG#

(as required by ORS 537.545 & 537.765 and OAR 690-205-0210)

2/11/2024

(1) LAND OWNER

Owner Well I.D.

First Name JW & KELLI

Last Name ROSE

Company

Address 35694 EMBREE BRIDGE LANE

City BURNS

State OR

Zip 97720

(2) TYPE OF WORK



New Well



Deepening



Conversion

☐ Alteration (complete 2a & 10)

☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd

Material From To Amt sacks/lbs

Seal: Material From To Amt sacks/lbs

(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 630.00 ft.

BORE HOLE

SEAL

sacks/lbs

Dia From To Material From To Amt lbs

25 0 78 Bentonite Chips 0 46 7500 P

19 78 630 Calculated 324.71

Cement 46 77 110 S

Calculated 3.76

Seal placement method ☐ A ☐ B ☒ C ☐ D ☐ E ☒ Other: POURED DRY

Backfill placed from ft. to ft. Material

Filter pack from ft. to ft. Material Size

Explosives used: ☐ Type Amount

Seal Placement Begin Date 10/12/2022 Begin Time 09 00

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount

Actual Amount

(6) CASING/LINER

Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd

20 1 77 .375

16 4 630 250

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

Temp casing ☐ Yes Dia From + To

(7) PERFORATIONS/SCREENS

Perforations Method factory saw

Screens Type

Material

Perf/ Casing/ Screen Screen Liner Dia From To Scrn/slot Slot # of Tele/

Perf Liner 16 550 630 .095 3 2460 16

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



Pump



Bailer



Air



Flowing Artesian

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

350 0.4 600 4

1250 7.5 605 4

1450 10 605 1

Temperature 74 °F Lab analysis ☐ Yes By

Water quality concerns? ☐ Yes (describe below) TDS amount 210 mg/L

From To Description Amount Units

(9) LOCATION OF WELL (legal description)

County DESCHUTES Twp 20.00 S N/S Range 16.00 E E/W WM

Sec 24 SW 1/4 of the SE 1/4 Tax Lot 2300

Tax Map Number Lot

Lat ° ' " or 43.81498511 DMS or DD

Long ° ' " or -120.75658342 DMS or DD

☐ Street address of well ☒ Nearest address

MOFFITT ROAD, MILLICAN, OR

(10) STATIC WATER LEVEL

Existing Well / Pre-Alteration Date SWL(psi) + SWL(ft)

Completed Well 4/21/2023 520

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 520.00

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

10/27/2021 520 630 2000 520

Received MAY 04 2026

(11) WELL LOG

Ground Elevation 4412.00

Material From To

Sandy Loam & Rock Chips 0 10

Mixed Gray Clay & Gray Basalt 10 30

Gray Basalt Gray Sand & Gray Sand 30 50

Bm. Med Clayee Sand & Pebbles 50 70

Hard Black Basalt, Brown Ash Chips 70 80

Hard Black Basalt Vesicular Flow 80 100

Black Angular Basalt & Red Liner Ash 100 180

Gray Claystone & some sand 180 190

Coarse Gray Sandstone & Pebbles 190 210

Medium Sandstone, Red, Blk., Bm. 210 450

Medium Rock, Red, Gray, Blk. 450 520

Red, Gray, Yellow Rock some Rubble Zones 520 570

Gray, Blk., Rock some small gravels 570 590

Gray Rock, Blk. Rock, 590 610

Red, Black, Gray Rock & small gravel 610 630

Construction

Begin Date 8/30/2021 Begin Time 00 00 End Date 4/21/2023

(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 1385 Date 10/11/2023

Signed ROBERT BUCKNER (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 1385 Date 2/11/2024

Signed ROBERT BUCKNER (E-filed)

Contact Info (optional) 541-408-5548

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK Form Version:
New exempt use wells must be submitted with a map and recording fee.

WATER SUPPLY WELL REPORT - Map with location identified must be attached and shall include an approximate scale and north arrow

DESC 64668

2/11/2024

Map of Hole

STATE OF OREGON WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department

725 Summer St NE, Salem OR 97301
(503)986-0900



LOCATION OF WELL

Latitude: ~~43.81498511~~ Datum: WGS84

Longitude: ~~120.75658342~~ SEE APPL. MAP

Township/Range/Section/Quarter-Quarter Section:

WM20.00S16.00E24SWSE

Address of Well:

MOFFITT ROAD, MILLICAN, OR

Well Label: 137721

Printed: October 11, 2023

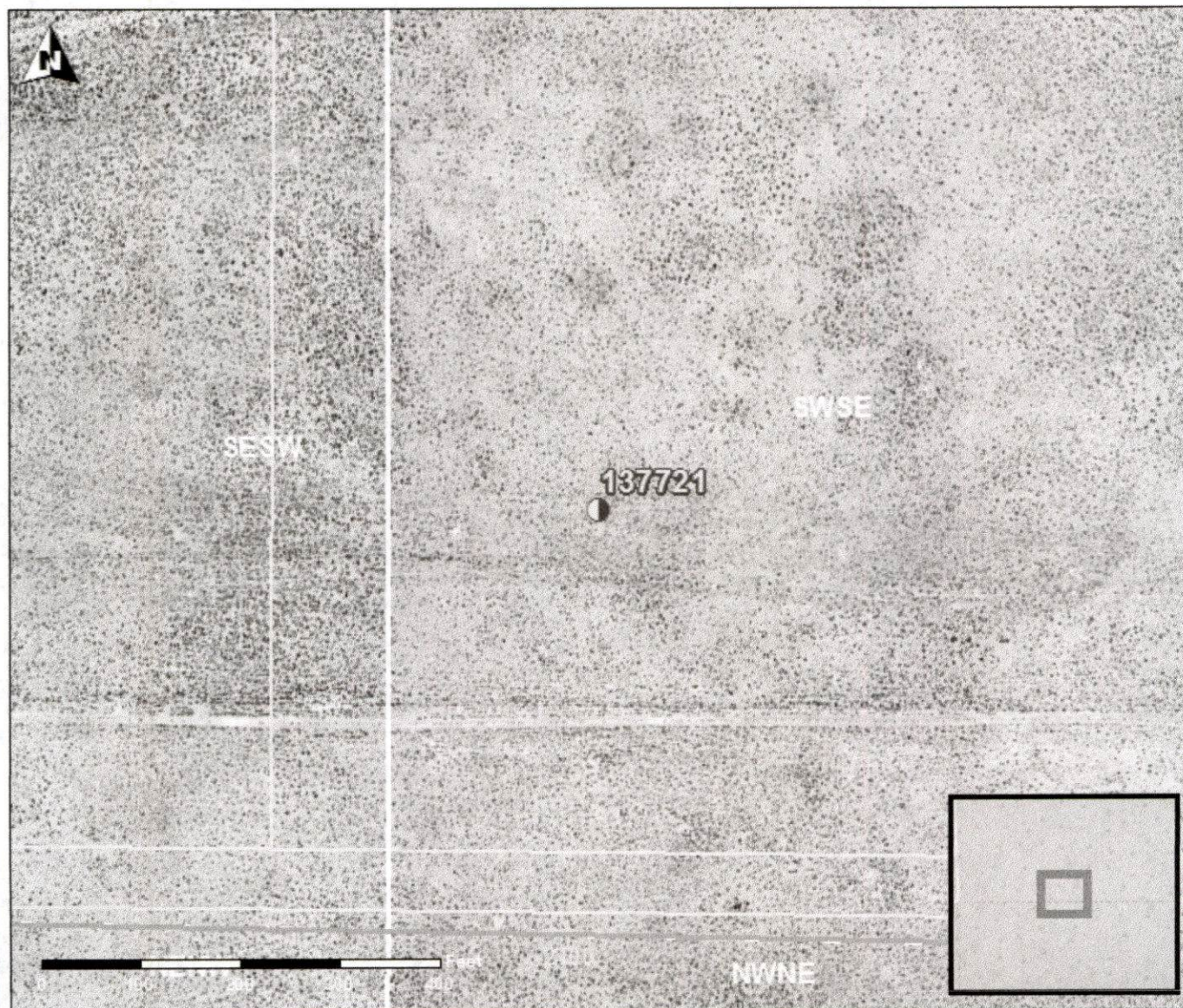
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DISCLAIMER: This map is intended to represent the approximate location the well. It is not intended to be construed as survey accurate in any manner.

Provided by well constructor



Site Identification (Click to Collapse...)

GW LogID: DESC 64668 [Well Log Database](#)
GW Well Tag Number: 137721
Tag Verified on Well: No
Site Type: WELL
Primary Use:
Unused Status:
Site Source Organization:
Site Source OWRD:
Established By: JOE KEMPER
Established Date: 02/13/2024
Bonded Company: WESTERN WATER DEVELOPMENT
Stage: COMPLETE

Location (Click to Collapse...)

Latitude/Longitude
Latitude: 43.80916141 Horiz. Error: 25.00
Longitude: -120.74572971 Datum: WGS1984
Lat/Long Source: GPS IPAD
Location
TRSQQ: WM 20.00S16.00E24SWSE
Tax Map:
Taxlot:
24 Quad:
Basin: -
County:
WM District:
WM Region:
LSD Elev: 4433.41 Accy: 1.00 Datum: NAVD1988
Elev Source: LIDAR
[Groundwater Mapping Tool](#)



Water Rights (Click to Collapse...)

Water Right PODs

POD	WRIS Details	Application	Permit	Cert	Transfers	Claim	supplemental	priority_date	Season of Use	max_rate_cfs	rat
POD 3 - A WELL > DRY RIVER	WRIS	G 17065	G 16741					6/5/2008	3/1 ~ 10/31	1.340	
POD 3 - A WELL > DRY RIVER BASIN	WRIS	G 18147	G 17676					10/13/2015	3/1 ~ 10/31	2.670	

Well Construction History (Click to Collapse...)

Well Construction History

Well Log id	Well Log	Work Type	Startcard	Well Tag	Owner Name	First Water	Max Case. Diam.	Max Case. Depth.	Max Seal Depth.	Max D.
DESC 64668	Log	NEW	1053787	137721	JW & KELLI ROSE	520.00	20	630.00	77.00	

Well Log	Aquifer	Aq at Max Depth	System Aquifer	Regional USGS Aquifer
DESC 64668				

Well Test

Well Log	Test Type	Yield(gpm)	Drawdown	Duration (hr)	Calculated Specific Capacity (gpm/ft)
DESC 64668	Pump	350.0	0.4	4.0	875.00
DESC 64668	Pump	1250.0	7.5	4.0	166.67
DESC 64668	Pump	1450.0	10.0	1.0	145.00

Lithology (Click to Expand...)

Well Construction (Click to Expand...)

Measured Water Level (Click to Collapse...)

Records/Page: 20

Measured Water Level

Date	Time	Water Level (BLSD)	WL Elev (ft AMSL)	Organization	OWRD	Method	Status	MP Height
3/10/2026		526.24	3907.17	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.66
3/4/2025		525.66	3907.75	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.94
3/21/2024		525.59	3907.82	PUMP INSTALLER	PERMIT CONDITION PROGRAM	ETAPE	STATIC	1.94
4/21/2023	10:43:00	520.70	3912.71	PUMP INSTALLER	PUMP TEST PROGRAM	REPORTED	STATIC	1.50
4/21/2023		520.00	3913.41	DRILLER	WELL LOG	REPORTED	STATIC	

Available Data (Click to Collapse...)

Aquifer Test Completed: Water Chemistry: OWRD Recorder:
Geophysical Log Completed: Flowing Well: Other OWRD Recorder:
Saline:

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Hole Number TAG # L 137721	Project: J.W. ROSE MILICAN	Driller/ Equipment: R. BUCKNER/ ROTARY AIR & WET REVERSE CIRC / SCHRAMM XD 130	Logged by: TIM K SMITH	Start Date: Finish Date:	Sheet: 1
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Drill interval from:	to:	Sample Interval	Drillers log	Geologic Rock / Soil Type	Well Seal	Cased Interval	Hole Depth	Estimated Hydraulic Conductivity range Gal/day /ft ²
0		10		- SANDY CLAY-LUAM W/ chips			5	1 TO 10
	10						10	
10		10		- MIXED GRY CLAY & BLK BASALT chips			15	10 ⁻⁶ TO 10 ⁻⁵
	20						20	
20		10		- MIXED GRY CLAY & BLK BASALT chips			25	10 ⁻⁶ TO 10 ⁻⁵
	30						30	
30		10		- FINE CLAYEY SAND, BRN W/ SOME S. IT pebbles			35	10 ⁻² TO 10 ⁻¹
	40						40	
40		10		- COARSE chips, HARD BLK VOL/BASALT			45	10 ⁻⁶ TO 10 ⁻⁵
	50			FLOW OF ASH W/ MINOR RED CLAY			50	
50		10		- BRN. MED. SAND W/ CLAY & BRN. ASH pebbles			55	10 ⁻¹ TO 1
	60						60	
60		10		- UNIFORM DARK CLAYEY SAND			65	10 ⁻¹ TO 1
	70			SOME DARK BRN. ASH chips			70	"
70		10		- BLK VOL ANGULAR GRAVEL W/ MINOR BRN. ASH chips			75	10 ⁻¹ TO 10 ²
	80						80	
80		10		- HARD BLK BASALT, vesicular, FLOW?			85	10 ⁻⁷ TO 10 ⁻⁶
	90						90	
90		10		- BLK. Angular VOL-BASALT chips, POSSIBLE FLOW OF welded ASH, HARD			95	10 ⁻⁶ TO 10 ⁻⁵
	100						100	
100		10		- COARSE BLK & BRN ANGULAR VOL. SAND W/ MINOR CLAY-ASH seams			105	10 ⁻² TO 10 ³
	110			" "			110	"
110		10		" "			115	"
	120			" "			120	
120		10		- med-coarse BRN SAND, some white			125	10 ² TO 10 ³

Well casing:	boring diameter:	total depth 630 ft
Well filter pack:		
Screen material:		
Grout material:		

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TKS CONSULTING LTD. DATE:
12/10/2021

Hole Number TAG #2137721	Project: J.W. ROSE MILICAN	Driller/ Equipment: R. BUCKNER / AIR & WET ROTARY, REVERSE CIRC / SCHRAMM XD 130	Logged by: TIM K SMITH	Start Date: Finish Date:	Sheet: 2
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Drill interval from:	to:	Sample Interval	Drillers log	Geologic Rock / Soil Type	Well Seal	Cased Interval	Hole Depth	Estimated Hydraulic Conductivity range GAL/DAY/FT ²
	130			grains of Ash?, med-well rounded			130	
130		10		- COARSE BLK & RED SAND, SEMI RND.			135	10^3 TO 10^4
	140			BASALT & SANDSTONE (RED)			140	"
140		10		" " "			145	"
	150			" " "			150	"
150		10		" " "			155	"
	160			" " "			160	"
160		10		" " "			165	"
	170			" " "			170	"
170		10		- med grained BLK & RED SAND			175	10^3 TO 10^4
	180			mod rounding			180	"
180		10		- BUFF-GRY med grain sand,			185	10^2 TO 10^3
	190			well rounded, ASH/RHYOLITE			190	"
190		10		- COARSE gry sand, med rounding			195	10^3 TO 10^4
	200			"			200	"
200		10		- COARSE med-round BLK & GRY SAND			205	10^3 TO 10^4
	210			SOME pebbles			210	
210		10		- COARSE gry-BRN-BLK SAND, mod			215	10^3 TO 10^4
	220			rounding			220	
220		10		- med MIXED BLK-BRN-TAN SAND			225	10^3 TO 10^4
	230			mod rounding - subangular			230	
230		10		- MIXED COARSE & MED BLK & GRY SAND			235	10^2 TO 10^3
	240			some rounding			240	
240		10		- med gry & BLK SAND, minor rnd.			245	10^2 TO 10^3
	250			"			250	

Well casing:	boring diameter:	total depth 630 ft.
Well filter pack:		
Screen material:		
Grout material:		

Received

MAY 04 2026

OWRD

TKS CONSULTING LTD. DATE:

12/10/2021

Hole Number TAG #6137721	Project: J.W. ROSE MILICAN	Driller/ Equipment: R. BUCKNER/ AIR & WET ROTARY, REVERSE CIRC / SCHRAMM XD 130	Logged by: TIM K SMITH	Start Date: Finish Date:	Sheet: 3
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Drill interval from:	to:	Sample Interval	Drillers log	Geologic Rock / Soil Type	Well Seal	Cased Interval	Hole Depth	Estimated Hydraulic Conductivity range GAL/DAY/FT ²
250		10		COARSE BLK & WHITE SAND			255	10^3 to 10^4
	260			ROUND - SUBROUND			260	
260		10		COARSE BLK & WHT VOL. SAND - some			265	10^3 to 10^4
	270			layers of siliceous ASH / chert			270	
270		10		COARSE BLK & WHITE SAND,			275	10^3 to 10^4
	280			sub angular,			280	
280		10		COARSE GRV & BLK SAND, sub-angular			285	10^3 to 10^4
	290			some glassy BLK chip,			290	
290		10		COARSE GRV & BLK SAND, sub-angular			295	10^3 to 10^4
	300			some glassy BLK obsidian			300	
300		10		BRN - GRV - BLK med sand w/ rounded			305	10^3 to 10^4
	310			pebbles of sandstone & RED VOLC			310	
310		10		MIXED rounded & angular COARSE BLK			315	10^3 to 10^4
	320			& RED sandy gravel w/ sandst pebbles			320	
320		10		COARSE BLK SAND, med rounded w/			325	10^3 to 10^4
	330			some cemented BRN sand pebbles			330	
330		10		COARSE BLK & RED & GRV SAND, med			335	10^3 to 10^4
	340			rounding, pebbles of Red sandst.			340	
340		10		COARSE GRV & RED SAND ROUND -			345	10^3 to 10^4
	350			subround			350	
350		10		COARSE SUBROUND BLK SAND			355	10^3 to 10^4
	360						360	
360		10		MIXED COARSE & MED SAND, GRV-BRN			365	10^3 to 10^4
	370			ROUND - SUBROUND			370	
370		10		med grained, BRN silty sand w/			375	10^2 to 10^3

Well casing:	boring diameter:	total depth 630 ft.
Well filter pack:		
Screen material:		
Grout material:		

Received
MAY 04 2026
OWRD

TKS CONSULTING LTD. DATE:
12/10/2021

Hole Number: BL137721	Project: J.W. ROSE millican	Driller/ Equipment: R. BUCHNER AIR & WET ROTARY REVERSE CIRC/ SCHRAMM XD 130	Logged by: TIM K SMITH	Start Date:	Finish Date:	Sheet: 4
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Drill interval from:	to:	Sample Interval	Drillers log	Geologic Rock / Soil Type	Well Seal	Cased Interval	Hole Depth	Estimated Hydraulic Conductivity range GAL/DAY/FT ²
	380			RED pebbles, (Jsp) pebbles rounded			380	
380		10		- RED & BLK coarse sand w/ rounded			385	10^3 to 10^4
	390			pebbles of sandst + JSP?			390	
390		10		- coarse dark BRN sand, mod-well			395	10^2 to 10^3
	400			rounded, maybe some clay			400	
400		10		- subangular coarse BLK sand w/			405	10^3 to 10^4
	410			angular basalt pebbles			410	
410		10		- coarse BLK & BRN sand w/ vol. pebbles			415	10^3 to 10^4
	420			some rounding			420	
420		10		- coarse red-BRN sand w/ sandstone &			425	10^3 to 10^4
	430			vol pebbles			430	
430		10		- coarse angular BLK & RED vol			435	10^3 to 10^4
	440			sand w/ pebbles, some rounded			440	
440		10		- coarse angular BLK & RED sand			445	10^3 to 10^4
	450			w/ vol pebbles			450	
450				- BRN & RED coarse subangular sand			455	10^3 to 10^4
	460	10		w/ BLK pebbles			460	
460				- BRN coarse sand w/ silt & BLK			465	10^2 to 10^3
	470			Angular basalt chips			470	
470		10		- coarse BRN-GRY sand w/ minor			475	10^2 to 10^3
	480			clay			480	
480		10		coarse BRN sand w/ RED sandst.			485	10^3 to 10^4
	490			pebbles (few) subangular			490	
490				- MIXED coarse sand, BRN-RED-GRY			495	0-10
	500			w/ clay (mod)			500	

Well casing:	boring diameter:	total depth: 630 ft.
Well filter pack:		
Screen material:		
Grout material:		

Received **12/10/2021**
MAY 04 2026
OWRD

TKS CONSULTING LTD. DATE:

Hole Number: TAL #L137721	Project: J. W. ROSE MILLICAN	Driller/ Equipment: R. BUCKNER / AIR + WET ROTARY, REVERSE CIRC / SCHRAMM XD 130	Logged by: TIM K SMITH	Start Date:	Finish Date:	Sheet: 5
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Drill interval from:	to:	Sample Interval	Drillers log	Geologic Rock / Soil Type	Well Seal	Cased Interval	Hole Depth	Estimated Hydraulic Conductivity Range - GAL/DAY/FT ²
500		10		- COARSE DARK GRAY + RED SAND			505	10^{-5} to 10^{-4}
	510			subround			510	
510		10		- MIXED COARSE SAND, GRAY-BRN W/ MINOR CLAY SUBROUND W/ ANG. GRAY PEBBLES			515	10^{-5} to 10^{-2}
	520						520	
520		10		- DARK FINE GR. DACITE, HARD FLOW?			525	10^{-6} to 10^{-3}
	530			INTRUSIVE?			530	
530		10		- DARK GRAY FINE GR. DACITE - some LT. GRAY FELD. DACITE?			535	10^{-6} to 10^{-7}
	540						540	
540		10		- GRAY FINE GRAINED DACITE - RHY FLOW?			545	10^{-6} to 10^{-7}
	550						550	
550		10		- HARD GRAY VOL-DACITE, Broken chips			555	10^{-6} to 10^{-7}
	560						560	
560		10		- HARD GRAY, FINE GRAINED DACITE - RHY FLOW?			565	10^{-6} to 10^{-7}
							570	
570		10		- GRAY, FINE GR. DACITE, MAFIC PHENOCRYSTS - MINOR FELD			575	10^{-6} to 10^{-7}
	580						580	
580		10		- COARSE BLK-GRAY ANGULAR SAND			585	10^{-7} to 10^{-2}
	590			W/ MINOR CLAY			590	
590		10		- HARD GRAY DACITE PORPHYRY W/ MAFIC + F.G. FELD			595	10^{-6} to 10^{-7}
	600						600	
600		10		- HARD GRAY DACITE W/ FELD + MAFIC FLOW/INTRUSIVE			605	10^{-6} to 10^{-7}
	610						610	
610		10		- HARD DARK GRAY DACITE PORPHYRY			615	10^{-6} to 10^{-7}
	620			W/ MAFIC + FELD			620	
620		10		- GRAY-BRN DACITE W/ FELD + MAFIC			625	10^{-6} to 10^{-7}

Well casing:	boring diameter:	total depth: 630 FT
Well filter pack:		
Screen material:		
Grout material:		

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Hole Number TAG #2137721	Project: J.W. ROSE MILLICAN	Driller/ Equipment: R. BUCKNER / AIR & WET ROTARY, REVERSE CIRC / SCHRAMM XD 130	Logged by: TIM K SMITH	Start Date: Finish Date:	Sheet: 6
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Drill interval from:	to:	Sample Interval	Drillers log	Geologic Rock / Soil Type	Well Seal	Cased Interval	Hole Depth	Estimated Hydraulic Conductivity Range GAL/DAY / FT ²
	630		FLOW / INTRUSIVE?				630	
630							635	
	640						640	
							645	
							650	
							655	
							660	
							665	
							670	
							675	
							680	
							685	
							690	
							695	
							700	
							705	
							710	
							715	
							720	
							725	
							730	
							735	
							740	
							745	
							750	

Well casing:	boring diameter:	total depth 630 ft
Well filter pack:		
Screen material:		
Grout material:		

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12/10/2021



Tim K Smith
PO Box 1326
Hines, Or. 97738
541-493-2739 Home/office
541-589-2059 mobile
tim.k.smith@outlook.com

JW ROSE WELL TEST SUMMARY, DESCHUTES , CO., OREGON
WELL ID # L137721
May 2, 2023

Introduction

On April 21st, 2023 a well test was completed on a well owned by JW Rose in the SW ¼ of the NW ¼ of section 30, T20S, R17E, WM, in Deschutes County, Oregon, coordinates, 43°48.5482''N, 120°44.7430''W. The well test was completed by Mr. Robert Buckner of Western Water Development, licensed well driller with oversight by Tim K Smith, registered Oregon Geologist #G-1430.

The well and equipment

The Well was drilled by Western Water Development to a depth of 630 feet. The Casing is a 16-inch steel casing. The drop pipe used for the test is an 8 5/8 inch steel pipe. The pump was hung for the test at 600 feet below ground surface (bgs). The pump was a portable diesel powered turbine pump. The steel casing collar is 18 inches above ground surface (ags). The lip of the casing was used as the zero point for the well sounding. An automatic flow meter was attached to the pump discharge pipe. A 600-foot electronic well sounder was used to take the measurements.

The pump test

The well pump test was completed on 4/21/23. There were four static water level readings made at 15-minute intervals prior to pump start up. These showed a uniform static level of 522.2 feet below the 18 inch ags well collar. The pump was started up and set to pump at 1230 gallons per minute and readings were taken at 2-minute intervals for the first 10 minutes, every 5 minutes for the next 30 minutes and every 15 minutes for the next 210 minutes for a total of 4 hours and 15minutes testing.

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The pump was shut down and readings were taken every 2 minutes for the first 10 minutes and then one more reading taken at 15 minutes. The readings were then discontinued as the well had stabilized at 522.1 feet after 6 minutes.

Test results

The well test showed a 6.3-foot drawdown after 4 hours and 15 minutes at a constant pump rate of approximately 1230 gallons per minute. The drawdown essentially flattened at 90 minutes for the next 60 minutes at 5.9 feet and then continued to drop another .4 feet over the next 165 minutes (1 hr. & 45 minutes).

The well recovered to 99% of initial static at 6 minutes and remained there for the next 9 minutes until soundings were discontinued.

Conclusions

The well test showed that a pumping rate of 1230 gallons per minute could be sustained over time. There is 78 feet of available drawdown for a pump set at 600 feet bgs. The calculated specific capacity for this short-term test is $1230\text{gpm}/6.3\text{ft} = 195$. This is a very high capacity. This well could likely easily produce a sustained 1500 gallons per minute.

NOTE: The attached table and graphs are designed to be printed on a tabloid size paper.



Respectfully

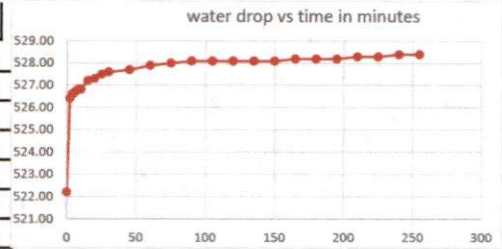
Tim K Smith
Registered Oregon Geologist #G-1430
Registered California Geologist #4013

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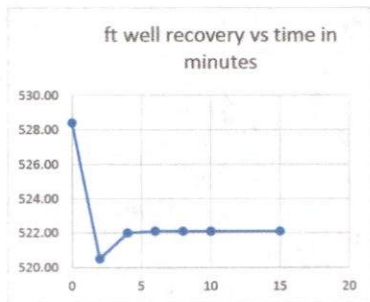
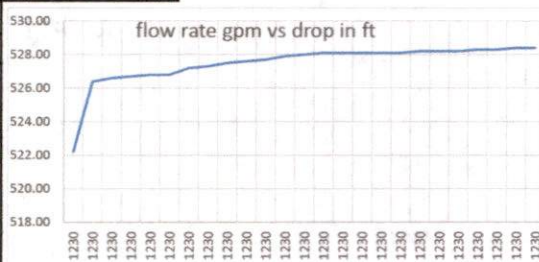
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1128	1	45	1230	527.70	18450	pump @1230 gpm
1143	1	60	1230	527.90	18450	pump @1230 gpm
1158	2	75	1230	528.00	18450	pump @1230 gpm
1213	2	90	1230	528.10	18450	pump @1230 gpm
1228	2	105	1230	528.10	18450	pump @1230 gpm
1243	2	120	1230	528.10	18450	pump @1230 gpm
1258	3	135	1230	528.10	18450	pump @1230 gpm
1313	3	150	1230	528.10	18450	pump @1230 gpm
1328	3	165	1230	528.20	18450	pump @1230 gpm
1343	3	180	1230	528.20	18450	pump @1230 gpm
1358	4	195	1230	528.20	18450	pump @1230 gpm
1413	4	210	1230	528.30	18450	pump @1230 gpm
1428	4	225	1230	528.30	18450	pump @1230 gpm
1443	4	240	1230	528.40	18450	pump @1230 gpm
1458	4	255	1230	528.40	18450	pump @1230 gpm
					313650	TOTAL GALLONS



JW ROSE WELL RECOVERY			
time		minutes	depth to water ft
1458	1	0	528.40
1500	1	2	520.50
1502	1	4	522.00
1504	1	6	522.10
1506	1	8	522.10
1508	1	10	522.10
1513	1	15	522.10



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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.oregon.gov/OWRD



IMPORTANT NOTICES: Before you prepare your application, please read the below notices. Please also refer to the Groundwater Guidebook (www.oregon.gov/owrd/WRDFormsPDF/GW_guidebook.pdf).

Application Form Updates:

Chapters 282 and 575, Oregon Laws 2025, amended statutes governing water right permit application processing. In addition, the Water Resources Commission adopted amended rules on March 19, 2026. As a result, this application form has been updated and is required to be used for any application received on or after April 1, 2026. Please note, modification of this form is not permitted. If a section does not contain the necessary space or response options for your situation, please provide your information in "Section 10: Remarks" or on additional pages.

Applications Restricted under ORS 536.415 will be Returned:

For applications received on or after April 1, 2026, the Department will return the application, and all or a portion of the fees, if the source of water is:

- (1) designated as a critical ground water area under ORS 537.730,
- (2) subject to restrictions on allowed ground water uses by classification under ORS 536.340, or
- (3) withdrawn from appropriation under ORS 538 or by rule or order of the Water Resources Commission under ORS 536.410.

The Department will conduct this review at intake and based upon the information provided when the application is received. **IMPORTANT:** The Department has published a list of sources subject to the above restrictions. You are strongly encouraged to review this list carefully before submitting your application. The list can be found here: www.oregon.gov/owrd/programs/WaterRights/Permits/Pages/Obtain.aspx

Fee Submission Updates:

For applications received on or after April 1, 2026, partial payment (equaling 60 percent of the examination fee) is due at application submission, and the remaining portion (equaling 40 percent of the examination fee and the permit recording fee) is due following issuance of the Initial Review if the applicant notifies the Department to continue processing the application (see below). Please use the Department's online Fee Calculator (apps.wrd.state.or.us/apps/misc/wrd_fee_calculator/) to determine the fees for your application.

Processing Updates:

Response required following Initial Review—Following issuance of the Initial Review (IR), if an applicant would like the Department to continue processing the application to reach a final decision, the applicant must notify the Department in writing within 90 days of IR issuance AND pay any remaining fees due.

Proposed Final Order will become a Final Order under certain circumstances—If the Department does not receive a timely protest of a Proposed Final Order (PFO) and does not withdraw the PFO, the PFO will become a Final Order 33 days after the close of the period of time in which to file a protest.

Electronic Forms of Documents:

Beginning on April 1, 2026, and unless requested otherwise by the applicant, the Department will send documents and notifications associated with processing of applications in electronic form (i.e., by email). These emails may come from an automated system (wrdd_automated_email@water.oregon.gov). Consider adding this email address to your safe sender list. The Department will send Proposed Final Orders by certified mail and any permit that may be issued by standard mail.

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-305-0010 and ORS 537.140)

Include this checklist with the application

Check that each of the following items are included. The application will be returned as incomplete if all required items are not included. Please submit the original application and signatures to the Oregon Water Resources Department. Applicants are encouraged to keep a copy of the completed application. 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 and Signatory Authority
- ☒ SECTION 3: Well Development
- ☒ SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- ☒ SECTION 5: Water Use
- ☒ SECTION 6: Water Management
- ☒ SECTION 7: Resource Protection
- ☒ SECTION 8: Project Schedule
- ☒ SECTION 9: Within a District
- ☒ SECTION 10: Remarks

A COMPLETE APPLICATION INCLUDES THE FOLLOWING ITEMS:

Additional information may be required. See the Groundwater Guidebook for details.

www.oregon.gov/owrd/WRDFormsPDF/GW_guidebook.pdf

- ☒ Completed **Application for a Permit to use Groundwater** (including Sections 1-10, as described above).
- ☒ Completed **Land Use Information Form** with original signature of local planning department. This form must be dated no more than one year prior to application submission.
- ☒ **Legal Description** of: (1) the property(ies) from which the water is to be diverted, (2) any property(ies) crossed by the proposed ditch, canal or other work, and (3) any property(ies) on which the water is to be used as depicted on the map.
- ☒ **Evidence of signatory authority** or a signed statement that such authority exists for applications submitted on behalf of an entity (e.g., organization).
- ☒ **Application Map** that includes all required elements as described in OAR 690-305-0010.
- ☒ **Application Fees** – Please use the Fee Calculators at apps.wrd.state.or.us/apps/misc/wrd_fee_calculator/ or contact the Customer Service Group at wrddl_customerservice@water.oregon.gov or (503) 986-0900.

Total Examination Fee: \$ 4815

Recording Fee: \$ 915

Amount required to be paid at this time (60% of total examination fee): \$ 2889

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