# Application for Permanent Water Right Transfer



# Part 1 of 5 - Minimum Requirements Checklist

This transfer application <u>will be returned</u> if Parts 1 through 5 and all required attachments are not completed and included.

For questions, please call (503) 986-0900, and ask for Transfer Section.

Check all it	ems included with this application. (N/A = Not Applicable)
$\boxtimes$	Part 1 – Completed Minimum Requirements Checklist.
$\boxtimes$	Part 2 – Completed Transfer Application Map Checklist.
	Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: <a href="http://apps.wrd.state.or.us/apps/misc/wrd">http://apps.wrd.state.or.us/apps/misc/wrd</a> fee calculator. If you have questions, call Customer Service at (503) 986-0801. <a href="https://apps.wrd.state.or.us/apps/misc/wrd">Check enclosed in amount of \$5310</a>
$\boxtimes$	Part 4 – Completed Applicant Information and Signature.
	Part 5 – Information about Water Rights to be Transferred: <b>How many water rights are to be transferred?</b> Four List them here: 68702, 85411, 85415, 94101 (Attachment A)  Please include a separate Part 5 for each water right. (See instructions on page 6)
	Attachments:
$\boxtimes$	Completed Transfer Application Map. (Attachment B)
	Completed Evidence of Use Affidavit and supporting documentation. (Attachment C)
	A Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.)
⊠ N/	Supplemental Form D – For water rights served by or issued in the name of an irrigation district. Complete when the transfer applicant is not the irrigation district. (Attachment D)
⊠ □ N/	Oregon Water Resources Department's Land Use Information Form with approval and signature from each local land use authority in which water is to be diverted, conveyed, and/or used. Not required if water is to be diverted, conveyed, and/or used only on federal lands or if <u>all</u> of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone. (Attachment E)
N/	Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. (Attachment F)
□ N/	Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500' from the surface water source and more than 1000' upstream or downstream from the point of diversion. See OAR 690-380-2130 for requirements and applicability.
	(For Staff Use Only)
	WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):  Application fee not enclosed/insufficient
	Staff: Date:



# Part 2 of 5 - Transfer Application Map

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

		sure that the transfer application map you submit includes all the required items and he existing water right map. Check all boxes that apply.
$\boxtimes$	N/A	Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see <a href="http://apps.wrd.state.or.us/apps/wr/cwre">http://apps.wrd.state.or.us/apps/wr/cwre</a> license view/. CWRE stamp and signature are not required for substitutions.
$\times$	N/A	If more than three water rights are involved, separate maps are needed for each water right
$\boxtimes$		Permanent quality printed with dark ink on good quality paper.
$\boxtimes$		The size of the map can be $8\% \times 11$ inches, $8\% \times 14$ inches, $11 \times 17$ inches, or up to $30 \times 30$ inches. For $30 \times 30$ inch maps, one extra copy is required.
$\boxtimes$		A north arrow, a legend, and scale.
		The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the Final Proof/Claim of Beneficial Use Map (the map used when the permit was certificated), the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
$\boxtimes$		Township, Range, Section, $\frac{1}{4}$ , DLC, Government Lot, and other recognized public land survey lines.
$\boxtimes$		Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
$\boxtimes$		Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
$\boxtimes$		Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
		Existing place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the water right is being changed, a separate hachuring is needed for lands left unchanged.
	⊠ N/A	Proposed place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
		Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water right certificate or permit.
	□ N/A	If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example $-42^{\circ}32'15.5''$ ) or degrees-decimal with five or more digits after the decimal (example $-42.53764^{\circ}$ ).

#### Part 3 of 5 - Fee Worksheet

	FEE WORKSHEET for PERMANENT TRANSFER (except Substitution)						
1	Base Fee (includes one type of change to one water right for up to 1 cfs)	1	\$1,360				
	Types of change proposed:	$\top$					
	Place of Use Character of Use Number of above boxes checked = $\frac{1}{2a}$ Point of Diversion/Appropriation						
	Subtract 1 from the number in line $2a = 0$ (2b) If only one change, this will be 0						
2	Multiply line 2b by \$1090 and enter » » » » » » » » » » » » » » » » » » »	2	0				
	Number of water rights included in transfer <u>4 (3a)</u>						
	Subtract 1 from the number in 3a above: 3 (3b) If only one water right this will be 0						
3	Multiply line 3b by \$610 and enter » » » » » » » » » » » » » » » » » » »	3	\$1830				
	Do you propose to add or change a well, or change from a surface water POD to a well?  No: enter 0 Yes: enter \$480 for the 1st well to be added or changed \$480 (4a)						
	Do you propose to add or change additional wells?						
	No: enter 0 Yes: multiply the number of additional wells by \$410 \$1640 (4b)						
4	Add line 4a to line 4b and enter » » » » » » » » » » » » » » »	4	\$2120				
	Do you propose to change the place of use or character of use?						
	No: enter 0 on line 5						
	Yes: enter the cfs for the portions of the rights to be transferred (see below*): (5a)						
	Subtract 1.0 from the number in 5a above:(5b)						
	If 5b is 0 or less, enter 0 on line 5 » » » » » » » » » » » » » »						
	If 5b is greater than 0, round up to the nearest whole number:(5c) and multiply						
5	5c by \$410, then enter on line 5 » » » » » » » » » » » » » » » » » »		0				
6	Add entries on lines 1 through 5 above » » » » » » » » » Subtotal:	6	\$5310				
	Is this transfer:						
	necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932?						
	endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat?						
	If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 »						
7	If no box is applicable, enter 0 on line 7 » » » » » » » » » » » » » » » » » »	7	0				
8	Subtract line 7 from line 6 » » » » » » » » » » » » » » » » Transfer Fee:	8	\$5310				

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

- 1. For irrigation calculate cfs for each water right involved as follows:
  - a. Divide total authorized cfs by total acres in the water right (for C12345, 1.25 cfs  $\div$ 100 ac); then multiply by the number of acres to be transferred to get the transfer cfs (x 45 ac= 0.56 cfs).
  - b. If the water right certificate does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). (For C87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs)
- 2. Add cfs for the portions of water rights on all the land included in the transfer; however **do not count cfs for supplemental rights on acreage for which you have already calculated the cfs fee for the primary right on the same land**. The fee should be assessed only once for each "on the ground" acre included in the transfer. (In this example, blank 5a would be only 0.56 cfs, since both rights serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0).

	FEE WORKSHEET for SUBSTITUTION		
1	Base Fee (includes change to one well)	1	\$990.00
	Number of wells included in substitution(2a)		
	Subtract 1 from the number in 2a above: (2b) If only one well this will be 0		
2	Multiply line 2b by \$480 and enter » » » » » » » » » » » » » »	2	
3	Add entries on lines 1 through 2 above » » » » Fee for Substitution:	Pošoji	pod

# Part 4 of 5 – Applicant Information and Signature

#### **Applicant Information**

APPLICANT/BUSINESS NAME			DHONE NO	ADDITIONAL CONTACTAGE		
			PHONE NO.	ADDITIONAL CONTACT NO.		
City of Bend, Attn: Lori Faha, Env. Resources Manager			541.317.3025			
ADDRESS				FAX NO.		
62975 Boyd Acres Road						
CITY	STATE	ZIP	E-MAIL			
Bend	Ifaha@bendoregon.go	ov				
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT						
ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.						

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

AGENT/BUSINESS NAME			PHONE NO.	ADDITIONAL CONTACT NO.
GSI Water Solutions, Inc. ATTN: Owen McMurtrey			541-740-5619	
ADDRESS				FAX NO.
1600 SW Western Boulevard, Suite 240				
CITY	STATE	ZIP	E-MAIL	
Corvallis	OR	97333	OMcMurtrey@gsiv	ws.com
BY PROVIDING AN E-MA	ALL ADDRESS, CONSE	NT IS GIVEN TO RI	CEIVE ALL CORRESPONDENC	E FROM THE DEPARTMENT
ELECTRONICALLY. COPIE	S OF THE FINAL ORD	ER DOCUMENTS	WILL ALSO BE MAILED.	

Explain in your own words what you propose to accomplish with this transfer application, and why: The City of Bend is requesting to add five additional wells (Pilot Butte 3, Outback Well 5, Outback Well 6, Outback Well 8, and Outback Well 9) to its water right Certificates 68702, 85411, 85415, and 94101 to allow for greater flexibility in the use of source wells under those water rights.

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

#### **Check One Box**

- By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); **OR**
- ☐ I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

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

- Prior to Department approval of the transfer application, I may be required to submit payment to the Department for publication of a
  notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks.
   If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: <u>The Bend Bulletin.</u>
- Amendments to the application may only be made in response to the Department's Draft Preliminary Determination (DPD). The
  applicant will have a period of at least 30 days to amend the application to address any issues identified by the Department in the
  DPD, or to withdraw the application. Note that amendments may be subject to additional fees, pursuant to ORS 536.050.
- Failure to complete an approved change in place of use and/or change in character of use, will result in loss of the water right (OAR 690-380-6010).
- Refunds may only be granted upon request and, as set forth in ORS 536.050(4)(a), if the Director determines that a refund of all or part of a fee is appropriate in the interests of fairness to the public or necessary to correct an error of the Department.

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



Geri Falea Applicant signature	Lori Faha, Env Resources Mgr Print Name (and Title if applicable)	9/2/29
Applicant signature	Print Name (and Title if applicable)	Date

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Is the applicant the sole owner of located? Yes No* - N/A, water rights.	f the land the applica	on which the water ant is a municipalit	right, or portion thered y and is proposing to m	of, proposed for transfer is nake changes to municipal use
The City owns the land where proposed to be located.	oposed n	ew wells and assoc	iated distribution infra	structure are located or
Check the following boxes that a	oply:			
The applicant is responsi sent to the applicant.	ble for cor	mpletion of change	(s). Notices and corresp	ondence should continue to be
The receiving landowner issued. Copies of notices				nge(s) after the final order is er.
<ul> <li>Both the receiving lando and correspondence sho</li> </ul>				n of change(s). Copies of notice
At this time, are the lands in this is a municipality.	transfer a	oplication in the pro	ocess of being sold?	Yes No <b>N/A – The applican</b>
				ng landowner information table ignment will have to be filed for
If a property sells, the certific unless a sale agreement or o				

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Check here if any of the water rights proportion irrigation or other water district. ( <b>Tip</b> : <b>Com</b>							
water will not be served by a district, portions of the authorized places of use for Certificates 68702,							
86411, 85415 and 94101 are located within the	he boundaries of multiple ir	rigation districts.					
IRRIGATION DISTRICT NAME	ADDRESS						
N/A							
CITY	STATE	ZIP					
Check here if water for any of the rights supplied under a water service agreement or other contract for stored water with a federal agency or other entity.							
ENTITY NAME	ADDRESS						
N/A							
CITY	STATE	ZIP					



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

ENTITY NAME	ADDRESS	
City of Bend	710 NW Wall ST	
CITY	STATE	ZIP
Bend	OR	97703

ENTITY NAME	ADDRESS	
Deschutes County Planning	117 NW Lafayette Avenue	
CITY	STATE	ZIP
Bend	OR	97701

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# Part 5 of 5 – Water Right Information

RECEIVED JUN 18, 2025 OWRD

**CERTIFICATE # 68702** 

Description of Water Delivery System	REC
System capacity: 8.82 cubic feet per second (cfs) (0.9 cfs under this Certificate 68702) OR	<b>EIVE</b>
· · · · · · · · · · · · · · · · · · ·	D
gallons per minute (gpm)	JUN
Describe the current water delivery system or the system that was in place at some time within the last	t <b>18</b> ,
five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey,	2025
and apply the water at the authorized place of use. Water is currently pumped from two wells using	
line shaft turbine pumps and conveyed to the City of Bend's service area through a system of closed	<b>OWR</b>
pipes.	D

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Tv	vp	Rı	ng	Sec	1/4	1/4	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
River Well 1	Authorized Proposed	DESC 5577	18	S	12	E	5	sw	NW	1100	South 58 degrees, 4 minutes, 1 second East, 3007.14 feet from NW corner of the NENE of section 6
River Well 2	Authorized Proposed	DESC 5578	18	S	12	E	5	SE	NW	0900	1420 feet South and 950 feet East from the NW corner of section 5*
Pilot Butte 3	Authorized Proposed	DESC 52907	17	S	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	S	11	E	34	SE	sw	800	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	s	11	E	34	SE	sw	800	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34
Outback 8	Authorized Proposed	N/A	17	s	11	E	34	SE	sw	800	85 feet North and 2,140 feet East from the SW corner of Section 34
Outback 9	Authorized Proposed	N/A	17	S	11	E	34	sw	SE	800	740 feet North and 2,925 feet East from the SW corner of Section 34

Check al	type(s) of change(s) proposed below (ch	ange	"CODES" are provided in parentileses).
	Place of Use (POU)		Supplemental Use to Primary Use (S to P)
	Character of Use (USE)		Point of Appropriation/Well (POA)
	Point of Diversion (POD)	$\boxtimes$	Additional Point of Appropriation (APOA)
	Additional Point of Diversion (APOD)		Substitution (SUB)
	Surface Water POD to Ground Water POA (SW/GW)		Government Action POD (GOV)
Will all o	of the proposed changes affect the entire	water	right?
⊠ Yes	Complete only the Proposed ("to" or "on" "CODES" listed above to describe the pro		s) section of Table 2 on the next page. Use the changes.
No	Complete all of Table 2 to describe the po	ortion	of the water right to be changed

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# Table 2. Description of Changes to Water Right Certificate # 68702

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

AUTHORIZED (the "from" or "off" lands)  The listing that appears on the certificate BEFORE PROPOSED CHANGES  List only that part or portion of the water right that will be changed.								Proposed Changes (see	are made.												ES					
Tw	р	Rng	g	Sec		1/4 1/4	Tax L	Gvt ot Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Date	"CODES" from previous page)	Twi	p	Rn	g	Sec	1/4	1/4 1/4		Gvt Lot o DLC		New Type of USE	POD(s)/ POA(s) to be used (from Table 1)	Priority Date
													EXAMPLE													
2	S	9	E	15	NI	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901
														2	s	9	E	2	sw	NW	500		5.0		POD #6	1901
													АРОА	V	Vitl	hin t	he S	Servi	ce Ar	ea of	the Cit	y of B	end	Мυ	River Well 1 River Well 2 Pilot Butte 3 Outback 5 Outback 6 Outback 8 Outback 9	
						TC	OTAL A	CRES:												TO	TAL AC	RES:	N/A			

Additional remarks:\_\_\_\_\_.



# For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands? $\square$ Yes $\square$ No – N/A – Certificate 68702 is for municipal use so "layering" does not apply.
If YES, list the certificate, water use permit, or ground water registration numbers:
Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.
For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) N/A
Ground water supplemental Permit or Certificate #; Surface water primary Certificate #
For a change from Supplemental Irrigation Use to Primary Irrigation Use
Identify the primary certificate to be cancelled. Certificate #
For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:
Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.
AND/OR
Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For <i>proposed wells not yet constructed or built</i> , provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.
ble 3. Construction of Point(s) of Appropriation

### Tabl

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L	Total well Depth <u>(feet)</u>	Casing Diameter (inches)	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well-specific rate (cfs or gpm). If less than full rate of water right
Outback 8	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	
Outback 9	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 Re <b>cletiv</b> ed		



Outback 9	No	N/A	860	16 12	2 - 612 603 - 870	0 - 160 160 - 575 575 - 612	610 – 860	470	Deschutes formation	
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These are estimates based on the elevation of nearby wells (Outback 5 and Outback 6).

# SUPERSEDING

#### **CERTIFICATE #85411**

RECEIVED JUN 18, 2025 OWRD

Description	of Water	Delivery	/S	ystem
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System capacity: 1.56 cubic feet per second (cfs) (1.51 cfs under Certificate 85411) OR

gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. **150 Horsepower submersible pump in enclosed** water lines distributed throughout the city.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Tv	wp	Rı	ng	Sec	1/4	1/4	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Westwood Well	Authorized Proposed	DESC 5585	18	S	12	E	7	NW	NW	3601	South 11 degrees 18 minutes 36 seconds East, 485.52 feet from NW Corner section 7
Pilot Butte 3	Authorized Proposed	DESC 52907	17	S	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	s	11	E	34	SE	sw	800	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	S	11	E	34	SE	sw	800	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34
Outback 8	Authorized Proposed	N/A	17	s	11	E	34	SE	sw	800	85 feet North and 2,140 feet East from the SW corner of Section 34
Outback 9	Authorized Proposed	N/A	17	S	11	E	34	sw	SE	800	740 feet North and 2,925 feet East from the SW corner of Section 34

check all type(s) of change(s) proposed below (	change	CODES are provided in parentneses):
Place of Use (POU)		Supplemental Use to Primary Use (S to P)
Character of Use (USE)	$\boxtimes$	Point of Appropriation/Well (POA)

Yes	Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.
No	Complete all of Table 2 to describe the portion of the water right to be changed.

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Please use and attach additional pages of Table 2 as needed. See page 6 for instructions. Do you have questions about how to fill-out the tables? Contact the Department at 503-986-0900 and ask for Transfer Staff.

# Table 2. Description of Changes to Water Right Certificate # 85411

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

AUTHORIZED (the "from" or "off" lands)  The listing that appears on the certificate BEFORE PROPOSED CHANGES  List only that part or portion of the water right that will be changed.								Proposed Changes (see	ee are made.												S					
Tv	vp	Rn	g	Sec		V4 V4	Tax Lo	Gvt tLot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Date	"CODES" from previous page)	Twp Rng Sec 1/4 1/4 Tax Lot Lot		Gvt Lot or DLC	Acres	New Type of USE	POD(s)/ POA(s) to be used (from Table 1)	Priority Date						
													EXAMPLE													
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	s	9 1		L	w	NW	500	1	10.0		POD #5	1901
														2	s	9 1		2 5	w	NW	500		5.0		POD #6	1901
													АРОА	Sec	e th	e pla	ce o		e listi achn	_		cate 8	85411	QM	Westwood Well Pilot Butte Well 3 Outback 5 Outback 6 Outback 7 Outback 8	December 22, 1978
						ТО	TAL AC	RES:												TO	TAL ACI	RES:	N/A			

Additional remarks:\_\_\_\_\_

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SFP 3 0 2024

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SEP 3 0 2024

Certificate #85411

### For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands?   Yes No N/A – Certificate 85411 is for municipal use (quasing does not apply).
municipal water right held by a city) so "layering" does not apply.
If YES, list the certificate, water use permit, or ground water registration numbers:
Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.
For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) N/A
Ground water supplemental Permit or Certificate #; Surface water primary Certificate #
For a change from Supplemental Irrigation Use to Primary Irrigation Use N/A
Identify the primary certificate to be cancelled. Certificate #
For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

# AND/OR

map.

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

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and

associated with the corresponding well(s) in Table 1 above and on the accompanying application

### Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L	Total well Depth <u>(feet)</u>	Casing Diameter (inches)	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Outback 8	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	
Outback 9	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	

Outback 9	No	N/A	860	16 12	2 - 612 603 - 870	0 - 160 160 - 575 575 - 612	610 – 860	470	Deschutes formation	
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These are estimates based on the elevation of nearby wells (Outback 5 and Outback 6).

# SUPERSEDING

### **CERTIFICATE # 85415**

RECEIVED JUN 18, 2025 OWRD

# **Description of Water Delivery System**

System capacity:	8.82 cubic feet per second (cfs) (2.7 cfs under this Certificate) OR
	gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. Water is currently pumped from two wells using line shaft turbine pumps and conveyed to the City of Bend's service area through a system of closed pipes.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Tv	wp	Ri	ng	Sec	1/4	½ ½		Measured Distances (from a recognized survey corner)
River Well 1	□ Authorized     □ Proposed	DESC 5577	18	S	12	E	5	sw	NW	1100	South 58 degrees, 4 minutes, 1 second East, 3007.14 feet from NW corner of the NENE of section 6
River Well 2	Authorized Proposed	DESC 5578	18	s	12	E	5	SE	NW	900	1420 feet South and 950 feet East from the NW corner of section 5
Pilot Butte 3	Authorized Proposed	DESC 52907	17	s	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	S	11	E	34	SE	sw	800	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	s	11	E	34	SE	sw	800	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34
Outback 8	☐ Authorized ☐ Proposed	N/A	17	s	11	E	34	SE	sw	800	85 feet North and 2,140 feet East from the SW corner of Section 34
Outback 9	☐ Authorized ☐ Proposed	N/A	17	S	11	E	34	sw	SE	800	740 feet North and 2,925 feet East from the SW corner of Section 34

	Surface Water POD to Ground Water POA (SW/GW)		Government Action POD (GOV)
Will all o	of the proposed changes affect the entire	water	right?
Yes	Complete only the Proposed ("to" or "on" "CODES" listed above to describe the prop		s) section of Table 2 on the next page. Use the changes.
No	Complete all of Table 2 to describe the po	rtion	of the water right to be changed.

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SEP 3 0 2024
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Please use and attach additional pages of Table 2 as needed. See page 6 for instructions.

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

# Table 2. Description of Changes to Water Right Certificate # 85415

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

	Т			_	nat a	opear	s on th	e cert	ificate		ls) DPOSED CHAI ill be changed.		Proposed Changes (see	anges (see are made.										5		
Τ\	wp	Rn	g	Sec	3/	1 1/4	Tax Lot	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Date	"CODES" from previous page)	Tw	γp	Rng		Sec	1/4	1/4	Tax Lo	Gvt Lot or DLC	Acres	New Type of USE		Priority Date
										•			EXAMPLE													
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901
														2	S	9	E	2	sw	NW	500		5.0		POD #6	1901
															Wit	thin t	he S	Serv	ice Ar	ea of	the Cit	y of B	end	ми	River Well 1 River Well 2 Pilot Butte 3 Outback 5 Outback 6 Outback 8 Outback 9	October 13, 1971
						ТО	TAL ACI	RES:												TO	TAL AC	RES:	N/A			

Additional remarks:\_\_\_\_\_

Received

SFP 3 0 2024

Certificate # 85415

# For Place of Use or Character of Use Changes

# OWRD

wit	there other water right certificates, water use permits or ground water registrations associated h the "from" or the "to" lands?  Yes  No N/A - Certificate 85415 is for municipal use so yering" does not apply.
If Y	ES, list the certificate, water use permit, or ground water registration numbers:
a p to a	rsuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to rimary right proposed for transfer must be included in the transfer or be cancelled. Any change a ground water registration must be filed separately in a ground water registration modification blication.
For S	ubstitution (ground water supplemental irrigation will be substituted for surface water primary irrigation) N/A
	ound water supplemental Permit or Certificate #; face water primary Certificate #
For a	change from Supplemental Irrigation Use to Primary Irrigation Use
Ide	ntify the primary certificate to be cancelled. Certificate #
For a	change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:
	Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.
AN	D/OR
	Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For <i>proposed wells not yet constructed or built</i> , provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

### Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L	Total well Depth <u>(feet)</u>	Casing Diameter (inches)	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Outback 8	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	
Outback 9	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	

Outback 9	No	N/A	860	16 12	2 - 612 603 - 870	0 - 160 160 - 575 575 - 612	610 – 860	470	Deschutes formation	
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These are estimates based on the elevation of nearby wells (Outback 5 and Outback 6).

# SUPERSEDING

### **CERTIFICATE # 94101**

RECEIVED JUN 18, 2025 OWRD

# **Description of Water Delivery System**

System capacity:	6.63 cubic feet per second (cfs) (0.944 cfs under this right) OR
	gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. <u>Line Shaft Turbine pumps and submersible pump</u> into enclosed pipelines distributed throughout City of Bend service area.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Τv	vp	Rı	ng	Sec	1/4	Y4 Y4		<i>y</i> <sub>4</sub> <i>y</i> <sub>4</sub>		Measured Distances (from a recognized survey corner)
Westwood	Authorized Proposed	DESC 5585	18	S	12	E	7	NW	NW	3601	South 11 degrees 18 minutes 36 seconds East, 485.52 feet from NW Corner section 7		
Pilot Butte 4	Authorized Proposed	DESC 58778	17	S	12	E	33	NE	NE	101	South 20 degrees, 6 minutes 13.3 seconds West, 1175 feet from the NE Corner section 33		
Shilo Well 3	Authorized Proposed	DESC 5613	18	s	12	E	16	sw	NW		South one degree, 39 minutes, 8 seconds East, 2133 feet from the NW Corner section 16		
Pilot Butte 3	☐ Authorized ☐ Proposed	DESC 52907	17	s	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33		
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	s	11	E	34	SE	sw	800	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34		
Outback 6	☐ Authorized ☑ Proposed	DESC 56449	17	S	11	E	34	SE	sw	800	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34		
Outback 8	Authorized Proposed	N/A	17	S	11	E	34	SE	SW	800	85 feet North and 2,140 feet East from the SW corner of Section 34		

Outback 9	☐ Authorized ☐ Proposed	N/A	17	S	11	E	34	sw	SE	800	740 feet North and 2,925 feet East from the SW corner of Section 34			
Check a	II type(s) of cha	nge(s) prop	osed	belo	w (c	han	ge "CC	DDES"	are pi	ovided	l in parentheses):			
	Place of Use (P	OU)					Su	ıpplen	nental	Use to	Primary Use (S to P)			
	Character of U	se (USE)					Pc	int of	Appro	priatio	n/Well (POA)			
	Point of Divers	ion (POD)					∐ Ac	dditior	nal Poi	nt of A	ppropriation (APOA)			
	Additional Poir	nt of Diversi	on (A	APOE	))		Su	Substitution (SUB)						
	Surface Water POA (SW/GW)		und	Wate	er		] Go	overnr	ment A	Action F	POD (GOV)			
Will all	of the proposed	changes af	fect	the e	entir	e wa	ter rig	ht?						
X Yes	Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.													
☐ No	Complete all o	f Table 2 to	desc	ribe	the p	oorti	on of	the wa	ater ri	ght to b	e changed.			

# SUPERSEDING

RECEIVED JUN 18, 2025 OWRD

	Place of Use (POU)		Supplemental Use to Primary Use (S to P)							
	Character of Use (USE)		Point of Appropriation/Well (POA)							
	Point of Diversion (POD)	$\boxtimes$	Additional Point of Appropriation (APOA)							
	Additional Point of Diversion (APOD)		Substitution (SUB)							
	Surface Water POD to Ground Water POA (SW/GW)		Government Action POD (GOV)							
Will all	of the proposed changes affect the entire	wateı	right?							
X Yes	Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use to "CODES" listed above to describe the proposed changes.									
☐ No	Complete all of Table 2 to describe the portion of the water right to be changed.									

Received SEP 3 0 2024 OWRD Please use and attach additional pages of Table 2 as needed. See page 6 for instructions.

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

# Table 2. Description of Changes to Water Right Certificate # 94101

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

	AUTHORIZED (the "from" or "off" lands)  The listing that appears on the certificate BEFORE PROPOSED CHANGES  List only that part or portion of the water right that will be changed.							Proposed Changes (see	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.																	
Tw	/p	Rng	g	Sec	:	V4 V4	Tax Lo	Gvt Lot or DLC	Acres	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Date	"CODES" from previous page)	Tw	ďρ	Rı	ng	Sec	1/4	1/4	Tax Lo	Gvt Lot or DLC	Acres	New Type of USE		Priority Date
													EXAMPLE													
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901
														2	S	9	E	2	sw	NW	500		5.0		POD #6	1901
													АРОА	See the place of use listing in Certificate 94101 (Attachment A)					QM	Westwood Well, Pilot Butte 4 Shilo Well 3 Pilot Butte 3 Outback 5 Outback 6 Outback 8 Outback 9	December 22, 1978					
						TC	TAL AC	RES:												TO	TAL AC	RES:	N/A			

Additional remarks: \_\_\_\_\_

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SEP 3 0 2024

# Received

SEP 3 0 2024

Certificate # 94101

# For Place of Use or Character of Use Changes

	Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands?   Yes  No N/A – Certificate 94101 is for municipal use (quasi-municipal water right held by a city) so "layering" does not apply.
	If YES, list the certificate, water use permit, or ground water registration numbers:
	Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application
F	For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation)  N/A
	Ground water supplemental Permit or Certificate #; Surface water primary Certificate #
F	For a change from Supplemental Irrigation Use to Primary Irrigation Use
	Identify the primary certificate to be cancelled. Certificate #
F	For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:
	Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.
	AND/OR
	Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For <i>proposed wells not yet constructed or built</i> , provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

# Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L	Total well Depth <u>(feet)</u>	Casing Diameter (inches)	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well-specific rate (cfs or gpm). If less than full rate of water right
Outback 8	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	
Outback 9	No	N/A	860 (est)	16 12 (est)	2 - 612 603 - 870 (est)	0 - 160 160 - 575 575 - 612 (est)	610 – 860 (est)	470 (est)	Deschutes formation	

# **Attachment A**

Certificates 68702, 85411, 85415 & 94101
Application for Permanent Water Right Transfer - City of Bend

Received

SEP 3 0 2024

#### STATE OF OREGON

#### COUNTY OF DESCHUTES

#### CERTIFICATE OF WATER RIGHT

Received

SFP 3 D 2024

OWRD

THIS CERTIFICATE ISSUED TO

CITY OF BEND PO BOX 431 BEND, OREGON 97709

confirms the right to use the waters of WELLS 1 AND 2 in the DESCHUTES BASIN for MUNICIPAL USE.

This right was perfected under Permit G-4946. The date of priority is OCTOBER 31, 1971. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 0.90 CUBIC FOOT PER SECOND or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

SW% NW% AND SE% NW%, SECTION 5, T 18  $\mbox{S}$ , R 12  $\mbox{E}$ , WM; WELL 1 -SOUTH 58° 04' 01" EAST, 3007.14 FEET; WELL 2 - SOUTH 55° 54' 56" EAST, 3419.16 FEET; BOTH FROM THE NW CORNER OF THE NEW NEW, SECTION 6.

The use shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use to which this right is appurtenant is as follows:

#### WITHIN THE SERVICE AREA OF THE CITY OF BEND

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

This use may be regulated if analysis of data available discloses that the appropriation will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife in effect as of the priority date of this right or as those quantities may be subsequently reduced.

This certificate is issued to correctly describe the points of appropriation and describes that portion of the water right confirmed by Certificate 68458, State Record of Water Right Certificates, NOT 

The issuance of this superseding certificate does not confirm the status of the water right in regard to the provisions of ORS 540.610 pertaining to forfeiture or abandonment.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed November 28, 1995

Steven P. Applegate

Martha O. Pagel, Director

Recorded in State Record of Water Right Certificates numbered 68702.

T-7009.BWB

#### STATE OF OREGON

Received

#### COUNTY OF DESCHUTES

SEP 3 0 2024

CERTIFICATE OF WATER RIGHT

OWRD

THIS CERTIFICATE ISSUED TO

CITY OF BEND 575 NE 15<sup>th</sup> ST BEND OR 97701

confirms the right to use the waters of A WELL in the Deschutes Basin for QUASI-MUNICIPAL USES.

This right was perfected under Permit G-8565. The date of priority is DECEMBER 22, 1978. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 676 gallons per minute, or its equivalent in case of rotation, measured at the well.

The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	Survey Coordinates
18 S	12 E	WM	7	NW NW	SOUTH 11 DEGREES 18 MINUTES 36 SECONDS EAST, 485.52 FEET FROM NW CORNER, SECTION 7

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

A description of the place of use to which this right is appurtenant is as follows:

Twp	Rng	Mer	Sec	Q-Q
18 S	11 E	WM	12	SW SW
18 S	11 E	WM	12	SE SW
18 S	11 E	WM	12	NE SE
18 S	11 E	WM	12	NW SE
18 S	11 E	WM	12	SW SE
18 S	11 E	WM	12	SE SE
18 S	11 E	WM	13	NE NE
18 S	11 E	WM	13	NW NE
18 S	11 E	WM	13	SW NE
18 S	11 E	WM	13	NENW
18 S	11 E	WM	13	NW NW
18 S	11 E	WM	13	SWNW

### NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080, you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate at any time before it has issued, and after the time has expired for the completion of the appropriation under the permit, or within three months after issuance of the certificate.

Received									
SEP	3	0	2024						
<b>OWRD</b>									

Twp	Rng	Mer	Sec	Q-Q
18 S	11 E	WM	13	SENW
18 S	11 E	WM	13	NE SW
18 S	11 E	WM	13	NW SW
18 S	12 E	WM	6	SW SW
18 S	12 E	WM	6	SE SW
18 S	12 E	WM	7	NE NW
18 S	12 E	WM	7	NWNW
18 S	12 E	WM	7	SWNW
18 S	12 E	WM	7	NW SW
18 S	12 E	WM	7	SW SW

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall include an air line and pressure gauge or an access port for measuring line, adequate to determine water level elevation in the well at all times.

The water user shall install and maintain a weir, meter, or other suitable measuring device and keep a complete record of the amount of ground water withdrawn.

Water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

This certificate is issued for a partial perfection of Permit G-8565 as described in OAR 690-320-0040 and by an order of the Water Resources Director entered  $\frac{12,2009}{12,2009}$ .

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Issued MAR 1 2 2009

Water Resources Department

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60 day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate at any time before it has issued, and after the time has expired for the completion of the appropriation under the permit, or within three months after issuance of the certificate.

#### STATE OF OREGON

#### COUNTY OF DESCHUTES

#### CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF BEND 575 NE 15<sup>TH</sup> STREET BEND, OREGON 97701

confirms the right to use the waters of RIVER WELL #1 AND RIVER WELL #2 in the DESCHUTES RIVER BASIN for MUNICIPAL USE.

This right was perfected under Permit G-4946. The date of priority is OCTOBER 13, 1971. This right is limited to 2.70 CUBIC FEET PER SECOND or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

RIVER WELL #1 – SW ¼ NW ¼, SECTION 5, TOWNSHIP 18 SOUTH, RANGE 12 EAST, W.M.; SOUTH 58 DEGREES 04 MINUTES 01 SECOND EAST, 3007.14 FEET FROM THE NW CORNER OF THE NE ¼ OF THE NE ¼ OF SECTION 6

RIVER WELL #2 - SW ½ NW ½, SECTION 5, TOWNSHIP 18 SOUTH, RANGE 12 EAST, W.M.; 1420 FEET SOUTH AND 950 FEET EAST FROM THE NW CORNER OF SECTION 5.

A description of the place of use to which this right is appurtenant is as follows:

#### WITHIN SERVICE AREA CITY OF BEND

The wells shall be maintained in accordance with the General Standards for the Construction and maintenance of Water Wells in Oregon.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

MAR 1 2 2009

Issued

Received

SED 3 U 5054

OWRD

Phillip C Ward, Director Water Respurces Department

G-5644.gec

Recorded in State Record of Water Right Certificates Numbered 85415

#### STATE OF OREGON

### COUNTY OF DESCHUTES

Received

SEP 3 0 2024

OWRD

CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF BEND 710 NW WALL STREET BEND OR 97703

confirms the right to use the waters of THREE WELLS in the Deschutes Basin for QUASI-MUNICIPAL USE.

This right was perfected under Permit G-8565. The date of priority is DECEMBER 22, 1978. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 424 GALLONS PER MINUTE or its equivalent in case of rotation, in any combination, measured at the wells.

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
18 S	12 E	WM	7	NW NW	WESTWOOD WELL: SOUTH 11 DEGREES 18 MINUTES 36 SECONDS EAST, 485.52 FEET FROM NW CORNER, SECTION 7
17 S	12 E	WM	33	NE NE	PILOT BUTTE WELL #4: SOUTH 20 DEGREES 6 MINUTES 13.3 SECONDS WEST, 1175 FEET FROM NE CORNER, SECTION 33
18 S	12 E	WM	16	SW NW	SHILO WELL #3: SOUTH 1 DEGREE 39 MINUTES 8 SECONDS EAST, 2133 FEET FROM NW CORNER, SECTION 16

A description of the place of use is as follows:

	QUASI-	MUNIC	IPAL U	JSES
Twp	Rng	Mer	Sec	Q-Q
17 S	11 E	WM	23	NE SW
17 S	11 E	WM	23	SE SW
17 S	11 E	WM	24	NE NE
17 S	11 E	WM	24	NW NE
17 S	11 E	WM	24	SW NE
17 S	11 E	WM	24	SE NE
17 S	11 E	WM	24	SE NW
17 S	11 E	WM	24	NE SW
17 S	11 E	WM	24	SE SW
17 S	11 E	WM	24	NE SE
17 S	11 E	WM	24	NW SE
17 S	11 E	WM	24	SW SE
17 S	11 E	WM	24	SE SE
17 S	11 E	WM	25	NE NE
17 S	11 E	WM	25	NW NE
17 S	11 E	WM	25	SW NE

QUASI-MUNICIPAL USES											
Twp	Rng	Mer	Sec	Q-Q							
18 S	12 E	WM	20	SE NW							
18 S	12 E	WM	21	NW NW							
18 S	12 E	WM	21	SW NW							

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

The combined quantity of water diverted at the new points of appropriation (wells), together with that diverted at the old points of appropriation, shall not exceed the quantity of water lawfully available at the original points of appropriation.

The water user shall keep a complete record of the amount of ground water withdrawn.

Water use measurement conditions:

- A. The water user shall maintain the meters or measuring devices in good working order.
- B. The water user shall allow the watermaster access to the meters or measuring devices; provided however, where the meters or measuring devices are located within a private structure, the watermaster shall request access upon reasonable notice.

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

This certificate describes the portion of Certificate 87416 NOT modified by an order of the Water Resources Director recorded in Special Order Volume 104 Page 111 approving a partial cancellation. This certificate supersedes Certificate 87416.

Water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described.

Issued on

NOV 0 8 2018

Received

SEP 3 0 2024

Dwight French

Water Right Services Division Administrator, for

Thomas M. Byler, Director

Oregon Water Resources Department

OWRD

87416-rr-cancel-part.alr

Page 13 of 13

Certificate 94101

# **Attachment B**

**Application Maps** 

Application for Permanent Water Right Transfer - City of Bend

Received

SEP 3 0 2024

From: JARAMILLO Lisa J \* WRD <Lisa.J.JARAMILLO@water.oregon.gov>

**Sent:** Monday, August 12, 2024 6:26 PM

To: Vokhidjon Kakhramonov; WRD\_DL\_transfer

**Subject:** RE: Map scale waiver

#### Good afternoon Vokhidjon,

I apologize for the delay. The map scale waiver request is approved. Please submit a copy of this correspondence along with the transfer application when it is submitted.

Best regards,

Lisa

# Lisa J. Jaramillo

Transfer and Conservation Section Manager
725 Summer Street NE, Suite A, Salem, OR 97301 | Phone: 503-871-1889 (work cell)



Integrity | Service | Technical Excellence | Teamwork | Forward-Looking

**NOTE:** OWRD offices are now open to the public. Given that many staff will continue teleworking remotely or have job duties that take them into the field on a regular basis, however, availability of staff in the office is not guaranteed 8 a.m. - 5 p.m. every day (M-F). OWRD's Salem office is closed for customer service drop-ins from Noon – 1pm. **Customers and visitors are encouraged to schedule an appointment in advance if they wish to meet in person with specific staff members.** Alternative methods for meeting, such as by phone or virtually via Teams, are also available.

From: Vokhidjon Kakhramonov <vkakhramonov@gsiws.com>

Sent: Monday, August 12, 2024 1:49 PM

To: WRD\_DL\_transfer < wrd\_dl\_transfer@water.oregon.gov>

Subject: RE: Map scale waiver

Some people who received this message don't often get email from vkakhramonov@gsiws.com. Learn why this is important

Good afternoon

Is there any update on our request?

Regards, Vokhidjon

Vokhidjon Kakhramonov

Water Resources Analyst

mobile: 541.272.5717

1600 SW Western Boulevard, Suite 240, Corvallis, OR 97333

GSI Water Solutions, Inc. | www.gsiws.com

Received

SEP 3 0 2024

From: Vokhidjon Kakhramonov

Sent: Thursday, August 1, 2024 12:36 PM To: wrd dl transfer@water.oregon.gov

Subject: Map scale waiver

#### Good afternoon

I would like to request a map scale waiver (per 690-380-3100 (1)(e(E))) for a permanent water right transfer application to be submitted on behalf of City of Bend. The map uses a scale of 1 inch = 6,550 ft in order to fit the entire place of use.

Let me know if there is anything else I can provide.

### Vokhidjon Kakhramonov

Water Resources Analyst

mobile: 541.272.5717

1600 SW Western Boulevard, Suite 240, Corvallis, OR 97333

GSI Water Solutions, Inc. | www.gsiws.com

Received

SFP 3 0 2024

# **Attachment C**

Evidence of Use Affidavit

Application for Permanent Water Right Transfer - City of Bend

Received

SEP 3 0 2024

# Application for Water Right **Transfer**



# **Evidence of Use Affidavit**

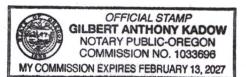
Please print legibly or type. Be as specific as possible. Attach additional pages if you need more spacing. Supporting documentation must be attached.

State o	of Oregon			)								
Count	y of <b>Des</b> chutes	s)		) ss								
I, Lor	i Faha, in my	capacity	as CITY	OF BEND	Enviro	nmenta	l Resources	Manager,				
mailir	ng address 629	75 BOYD	ACRES RO	AD, BEN	D, OR, 9	7701						
teleph	one number (	<u>541</u> ) 317-	-3025, be	eing fir	st duly s	sworn de	epose and sag	y:				
1. M	y knowledge o	of the ex	ercise or	status	of the w	ater rigl	ht is based or	n (check one	e):			
	☐ Personal observation ☐ Professional expertise											
2. I at	ttest that:											
$\boxtimes$	Water was u				•			ce of use for				
	Certificate #	CERTIF	ICATES 6	8702, 8	5411, 85	<u>415 &amp; 94</u>	<u>1101;</u> OR					
	My knowled	lge is spe	ecific to	the use	of wate	r at the	following lo		in the last five years:			
	Certificate #	Townsl	hip I	Range Mer Sec 1/4 1/4				Gov't Lot or DLC	Acres (if applicable)			
	1 50								- w <sup>4</sup>			
				Я					7			
		LTG T F										
			18									
	100											
OR												
	Confirming						in the past fi					
	instream leas	se numb	er is:	(No	te: If the	entire r	ight propose	ed for	t five years. The not leased instream.); (	OR		
$\boxtimes$	The water rig							at a presump	otion of forfeiture for			
	Water has be 10 years for						-		for more than <b>Received</b>			
				(	continues	on rever	rse side)		SEP 3 0 2024			

- 3. The water right was used for: (e.g., crops, pasture, etc.): MUNICIPAL WATER SUPPLY
- 4. I understand that if I do not attach one or more of the documents shown in the table below to support the above statements, my application will be considered incomplete.

9-9-24 Date

Signed and sworn to (or affirmed) before me this  $\frac{9}{9}$  day of  $\frac{5}{5}$ ,  $\frac{20}{9}$ .



My Commission Expires: FEB. 13TH

Supporting Documents	Examples
Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate)	Copy of <b>confirming</b> water right certificate that shows issue date
Copies of receipts from sales of irrigated crops or for expenditures related to use of water	Power usage records for pumps associated with irrigation use
	Fertilizer or seed bills related to irrigated crops
	Farmers Co-op sales receipt
Records such as FSA crop reports, irrigation district records, NRCS farm management plan, or	District assessment records for water delivered
records of other water suppliers	Crop reports submitted under a federal loan agreement
	Beneficial use reports from district
	IRS Farm Usage Deduction Report
	Agricultural Stabilization Plan
	CREP Report
	CREI Report
Aerial photos containing sufficient detail to establish location and date of photograph	Multiple photos can be submitted to resolve different areas of a water right.  If the photograph does not print with a "date stamp" or without
	the source being identified, the date of the photograph and source should be added.
	Sources for aerial photos:
	OSU -www.oregonexplorer.info/imagery
	OWRD – www.wrd.state.or.us
	Google Earth – earth.google.com TerraServer – www.terraserver.com
Approved Lease establishing beneficial use	Copy of instream lease or lease number
within the last 5 years	copy of monetain rease of rease number
The water right is not subject to forfeiture and	The listed Certificates are water rights held by a city for
documentation that a presumption of forfeiture for	reasonable and ordinary municipal purposes. See
non-use would be rebutted under ORS 540.610(2).	Certificates in Attachment A.

Received

SEP 3 0 2024

## **Attachment D**

Supplemental Form D

Application for Permanent Water Right Transfer - City of Bend

Received

SEP 3 0 2024



### Supplemental Form D

CED 3 11 2004

# Water Right Transfers Within the Boundaries of or Served by an Irrigation District or other Water Supplier (Association, Ditch Co., etc.)

OREGON

WATER RESOURCES
DE PARTMENT

Oregon Water Resources Department 725 Summer Street NE, Suite A

Salem, Oregon 97301-1266 503-986-0900

URCES www.oregon.gov/OWRD

[For transfers submitted under OAR Chapter 690 Division 380]

The Department requires non-district applicants to communicate with districts/water suppliers during the planning and preparation of transfer applications involving water rights having a point of diversion or appropriation (POD/POA) or place of use (POU) served by or located within the boundaries of an irrigation district, or other type of water supplier to which assessments are paid. In some cases consent will be required from the district or water supplier.

This form must be included with any transfer application that involves rights served by or located within the boundaries of a district or other type of water supplier.

#### 1. APPLICANT INFORMATION

NAME				PHONE (HM)	
City of Bend, ATTN: Lori Faha					
PHONE (WK)	CELL			FAX	
541-317-3025					
ADDRESS	ADDRESS				
62975 Boyd Acres Road					
CITY	STATE	ZIP	E-MAIL**		
Bend	OR	97701	LFAHA@BENDOREGON.GOV		

#### 2. DISTRICT or WATER SUPPLIER INFORMATION

DISTRICT/WATER SUPPLIER NAME				PHONE (HM)
ARNOLD IRRIGATION DISTRICT				
PHONE (WK)	CELL			FAX
541-382-7664				
ADDRESS				
19604 BUCK CANYON RD.,				
CITY	STATE	ZIP	E-MAIL**	
BEND	OR	97702	jharvey@arnoldid.con	1

# 3. WATER RIGHTS ISSUED IN THE NAME OF, or LOCATED WITHIN, or SERVED BY AN IRRIGATION DISTRICT, OTHER DISTRICT, OR WATER SUPPLIER

a. List the water right(s) involved in this transfer:

	Application /	Permit / Previous	Certificate	Is the water right in the name of a
	Decree	Transfer	Certificate	district, water supplier, or BOR*?
1.	G-5644	G-4946	68702	YES
2.	G-8695	G-8565	85411	YES
3.	G-5644	G-4946	85415	YES
4.	G-8695	G-8565	94101	YES

Attach additional pages for additional water rights if necessary.

<sup>\*\*</sup> By providing an e-mail address, the applicant and/or the district/water supplier consents to receive all correspondence from the Department electronically. Copies of final order documents will also be mailed.

<sup>\*</sup>Bureau of Reclamation

b.					ction to your points of div If to consult with your disti		
CU	RRENT AS	SOCIAT	TIONS Please a	inswer the foll	lowing "yes" or "no" ques	tions:	
YES	□ NO		One or more of district/water s		OD(s) / POA(s) involved in on BOR water.	the transfe	r are served by a
YES	☐ NC		for either prima	ry or supplem	POU involved in this proposential irrigation from the with a district or BOR water	district/wate	er supplier; <i>i.e.,</i>
PRO	POSED A	ASSOCIA	ATIONS Please	answer the fo	llowing "yes" or "no" ques	stions:	
YES	☐ NO	!		e served by a	I POD(s) / POA(s) involved district/water supplier if t		
YES	□ NO		receives or will	receive either upplier; <i>i.e., th</i>	ed POU involved in this population primary or supplemental are POU will be layered with this population.	irrigation fr	om the
AID ser	vice area	, howev		water rights a	n of the City's authorized are not served by or issue		
4. APP	LICANT'S	SIGNAT	TURE				
ар	plication	by [ched	ck one]:		pplier about the proposed on, or $\square$ other (please sp		
	ertify tha		best of my know	wledge the inf	formation contained in th	is Suppleme	ntal Form D is
Applica	ant Signatur	dra re		Lori Faha Name (print)		<u>0/12/2</u> Date	.4
5. (WHEN REQUIRED) DISTRICT or WATER SUPPLIER CONSENT TO THE PROPOSED WATER RIGHT TRANSFER							
District	Manager	or Wate	er Supplier cons	ent <mark>is require</mark>	d if any box on this form	is marked "Y	ES."
The dis	trict/wate	er suppli	ier certifies the	following:			
	e district, aps; and	/water s	supplier has rev	iewed the app	llicant's proposed water r	ight transfer	r application and
(2) Th	e district,	/water s	supplier consen	ts to the prop	osed water right transfer	application.	
							Received
							SEP 3 0 2024
							OWRD

Signature of D	istrict Mana	ger /Water Supplier	Name (print), Title	Date	
YES 🗌	NO 🖂		er supplier will be responsib a Certified Water Rights Exa	e for submitting the claim of benefic aminer (CWRE).	ial
YES [	NO 🔀		mpletion, the confirming wa Bureau of Reclamation or t	ater right certificate is to remain in th he district/water supplier.	ıe

Received

SEP 3 0 2024

## Supplemental Form D

# Water Right Transfers Within the Boundaries of or Served by an Irrigation District or other Water Supplier (Association, Ditch Co., etc.)



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

www.oregon.gov/OWRD

[For transfers submitted under OAR Chapter 690 Division 380]

The Department requires non-district applicants to communicate with districts/water suppliers during the planning and preparation of transfer applications involving water rights having a point of diversion or appropriation (POD/POA) or place of use (POU) served by or located within the boundaries of an irrigation district, or other type of water supplier to which assessments are paid. In some cases consent will be required from the district or water supplier.

This form must be included with any transfer application that involves rights served by or located within the boundaries of a district or other type of water supplier.

_				
1	A DDI	ICA NIT	INICODA	
1.	APPL	ICANI	INFORM	IAHUN

LICOCIACO						
SED	31	7 2024				

Received

NAME				PHONE (HM)	SED 3 11 4024
City of Bend, ATTN: Lori Faha					
PHONE (WK)	CELL			FAX	OWRD
541-317-3025					
ADDRESS					
62975 Boyd Acres Road					
CITY	STATE	ZIP	E-MAIL**		
Bend	OR	97701	LFAHA@BENDOREGON.GOV		

#### 2. DISTRICT or WATER SUPPLIER INFORMATION

DISTRICT/WATER SUPPLIER NAME				PHONE (HM)	
CENTRAL OREGON IRRIGATION DISTRICT					
PHONE (WK) CELL				FAX	
541-548-6047					
ADDRESS					
1055 SW LAKE CT					
CITY	STATE	ZIP	E-MAIL**		
REDMOND OR 97756 INFO@COID.			INFO@COID.ORG		

# 3. WATER RIGHTS ISSUED IN THE NAME OF, or LOCATED WITHIN, or SERVED BY AN IRRIGATION DISTRICT, OTHER DISTRICT, OR WATER SUPPLIER

a. List the water right(s) involved in this transfer:

	Application /	Permit / Previous	Certificate	Is the water right in the name of a
	Decree	Transfer	Certificate	district, water supplier, or BOR*?
1.	G-5644	G-4946	68702	YES
2.	G-8695	G-8565	85411	YES
3.	G-5644	G-4946	85415	YES
4.	G-8695	G-8565	94101	YES

Attach additional pages for additional water rights if necessary.

<sup>\*\*</sup> By providing an e-mail address, the applicant and/or the district/water supplier consents to receive all correspondence from the Department electronically. Copies of final order documents will also be mailed.

<sup>\*</sup>Bureau of Reclamation

	es of use (POU). [You may need to consult	r points of diversion (POD) or appropriation with your district/water supplier.]
CURRENT ASSOCIA	ATIONS Please answer the following "yes"	" or "no" questions:
YES NO 🖂	One or more of the current POD(s) / POA district/water supplier or rely on BOR wa	(s) involved in the transfer are served by a ter.
YES NO		red in this proposed transfer receives water tion from the district/water supplier; i.e., ct or BOR water supplied water right(s).
PROPOSED ASSOC	CIATIONS Please answer the following "yes	s" or "no" questions:
YES NO	One or more of the proposed POD(s) / Poserved or will be served by a district/waterly on BOR water.	OA(s) involved in the transfer are currently er supplier if the transfer is approved, or
YES NO	All or a portion of the proposed POU involved receives or will receive either primary or district/water supplier; i.e., the POU will be BOR water supplied water right(s).	
COID service area, hor	TIONAL INFORMATION A portion of the City wever, the subject water rights are not segare for municipal use.	
application by [ch	ve notified the district/water supplier about neck one]: one, postal mail, in person, or ot	her (please specify)
true and accurate	ne best of my knowledge the information co e.	ontained in this Supplemental Form D is
Applicant Signature	Lori Faha Name (print)	9/12/24 Date
5. (WHEN REQUIRED)	DISTRICT or WATER SUPPLIER CONSENT T	O THE PROPOSED WATER RIGHT TRANSFER
District Manager or W	ater Supplier consent <b>is required</b> if any box	on this form is marked "YES."
The district/water sup	plier certifies the following:	
(1) The district/wate maps; and	r supplier has reviewed the applicant's pro	posed water right transfer application and
(2) The district/wate	r supplier consents to the proposed water	right transfer application.
		Received
		SEP 3 0 2024
		CIA/DD

Signature of D	istrict Manag	ger /Water Supplier	Name (print). Title	
YES 🗌	NO 🖂		r supplier will be respons a Certified Water Rights E	ible for submitting the claim of beneficial xaminer (CWRE).
YES []	NO 🖂			water right certificate is to remain in the rthe district/water supplier.

Received

SEP 3 0 2024

### Supplemental Form D

# Water Right Transfers Within the Boundaries of or Served by an Irrigation District or other Water Supplier (Association, Ditch Co., etc.)

O R E G O N

WATER RESOURCES
DEPARTMENT

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

[For transfers submitted under OAR Chapter 690 Division 380]

The Department requires non-district applicants to communicate with districts/water suppliers during the planning and preparation of transfer applications involving water rights having a point of diversion or appropriation (POD/POA) or place of use (POU) served by or located within the boundaries of an irrigation district, or other type of water supplier to which assessments are paid. In some cases consent will be required from the district or water supplier.

This form must be included with any transfer application that involves rights served by or located within the boundaries of a district or other type of water supplier.

#### 1. APPLICANT INFORMATION

NAME	PHONE (HM)			
City of Bend, ATTN: Lori Faha				
PHONE (WK)	CELL			FAX
541-317-3025				
ADDRESS				
62975 Boyd Acres Road				
CITY	STATE	ZIP	E-MAIL**	
Bend	OR	97701	LFAHA@BENDOREGON.GOV	

#### 2. DISTRICT or WATER SUPPLIER INFORMATION

DISTRICT/WATER SUPPLIER NAME				PHONE (HM)	
SWALLEY IRRIGATION DISTRICT					
PHONE (WK)	CELL			FAX	Received
541-388-0658					HECEIVED
ADDRESS					SEP 3 0 202
64672 Cook Ave., Suite #1					31.1 3 0 202
CITY	STATE	ZIP	E-MAIL**		OMED
BEND	OR	97703	kathy@swalley.com		OWRD

# 3. WATER RIGHTS ISSUED IN THE NAME OF, or LOCATED WITHIN, or SERVED BY AN IRRIGATION DISTRICT, OTHER DISTRICT, OR WATER SUPPLIER

a. List the water right(s) involved in this transfer:

	Application /	Permit / Previous	Certificate	Is the water right in the name of a			
	Decree	Transfer	Certificate	district, water supplier, or BOR*?			
1.	G-5644	G-4946	68702	YES			
2.	G-8695	G-8565	85411	YES			
3.	G-5644	G-4946	85415	YES			
4.	G-8695	G-8565	94101	YES			

Attach additional pages for additional water rights if necessary.

\*Bureau of Reclamation

<sup>\*\*</sup> By providing an e-mail address, the applicant and/or the district/water supplier consents to receive all correspondence from the Department electronically. Copies of final order documents will also be mailed.

		d to consult with your district/water supplier.]
CURRENT ASSO	OCIATIONS Please answer the fol	llowing "yes" or "no" questions:
YES NO	One or more of the current P district/water supplier or rely	POD(s) / POA(s) involved in the transfer are served by a y on BOR water.
YES NO	for either primary or supplen	t POU involved in this proposed transfer receives water mental irrigation from the district/water supplier; i.e., with a district or BOR water supplied water right(s).
PROPOSED ASS	SOCIATIONS Please answer the fo	ollowing "yes" or "no" questions:
YES NO	_	d POD(s) / POA(s) involved in the transfer are currently district/water supplier if the transfer is approved, or
YES NO	receives or will receive either	sed POU involved in this proposed transfer currently reprimary or supplemental irrigation from the the POU will be layered with a district/water supplier or aht(s).
	ver, the subject water rights are r	on of the City's authorized place of use is within the SID not served by or issued in the name of the irrigation
application by	have notified the district/water sur [check one]: phone, postal mail, in perso o the best of my knowledge the in	ipplier about the proposed water right transfer on, or other (please specify) formation contained in this Supplemental Form D is
Applicant Signature	Lori Faha Name (print)	<u>9-12-24</u> Date
5. (WHEN REQUIRE	ED) DISTRICT or WATER SUPPLIER	CONSENT TO THE PROPOSED WATER RIGHT TRANSFER
District Manager of	Water Supplier consent is require	ed if any box on this form is marked "YES."
The district/water	supplier certifies the following:	
(1) The district/w maps; and	ater supplier has reviewed the app	plicant's proposed water right transfer application and
(2) The district/w	ater supplier consents to the prop	osed water right transfer application.
		Received
		SEP 3 0 2024
		OWRD

Signature of Distric	t Manage	r /Water Supplier	Name (print) Title	 	
YES NO			supplier will be resp Certified Water Rig	mitting the claim of beneficure).	cial
YES NO			npletion, the confirm Bureau of Reclamati	certificate is to remain in to ct/water supplier.	:he

Received
SEP 3 0 2024
OWRD

### Supplemental Form D

# Water Right Transfers Within the Boundaries of or Served by an Irrigation District or other Water Supplier (Association, Ditch Co., etc.)

O R E G O N
WATER RESOURCES

**Oregon Water Resources Department** 725 Summer Street NE, Suite A

Salem, Oregon 97301-1266 503-986-0900

www.oregon.gov/OWRD

[For transfers submitted under OAR Chapter 690 Division 380]

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1.	APPL	ICANT	INFORM	ATION

SFP 3 0 2024

NAME				PHONE (HM)
City of Bend, ATTN: Lori Faha	OWR			
PHONE (WK)	CELL			FAX
541-317-3025				
ADDRESS				
62975 Boyd Acres Road				
CITY	STATE	ZIP	E-MAIL**	
Bend	OR	97701	LFAHA@BENDOREGON.GOV	

#### 2. DISTRICT or WATER SUPPLIER INFORMATION

DISTRICT/WATER SUPPLIER NAME	PHONE (HM)			
TUMALO IRRIGATION DISTRICT				
PHONE (WK)	CELL			FAX
541-382-3053				
ADDRESS				
64697 Cook Ave, Tumalo				
CITY	STATE	ZIP	E-MAIL**	
BEND	OR	97703	April@tumalo.org	

# 3. WATER RIGHTS ISSUED IN THE NAME OF, or LOCATED WITHIN, or SERVED BY AN IRRIGATION DISTRICT, OTHER DISTRICT, OR WATER SUPPLIER

a. List the water right(s) involved in this transfer:

	Application /	Permit / Previous	Certificate	Is the water right in the name of a			
	Decree	Transfer	Certificate	district, water supplier, or BOR*?			
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2.	G-8695	G-8565	85411	YES			
3.	G-5644	G-4946	85415	YES			
4.	G-8695	G-8565	94101	YES			

Attach additional pages for additional water rights if necessary.

\*Bureau of Reclamation

<sup>\*\*</sup> By providing an e-mail address, the applicant and/or the district/water supplier consents to receive all correspondence from the Department electronically. Copies of final order documents will also be mailed.

				n to your points of diversion ( consult with your district/wat	, , ,
CURREN	T ASSOCIA	ATIONS Please	e answer the followi	ng "yes" or "no" questions:	
YES	NO 🖂		of the current POD(s r supplier or rely on	s) / POA(s) involved in the tra BOR water.	nsfer are served by a
YES 🗌	NO 🔀	for either pri	mary or supplement	J involved in this proposed tr al irrigation from the district/ a district or BOR water suppli	water supplier; i.e.,
PROPOS	ED ASSOC	IATIONS Pleas	se answer the follow	ing "yes" or "no" questions:	
YES 🗌	NO 🔀		l be served by a distr	D(s) / POA(s) involved in the tict/water supplier if the trans	
YES	NO 🔀	receives or w district/water	ill receive either prir	POU involved in this proposed mary or supplemental irrigation of the supplemental irrigation of the supplemental irrigation of the supplemental irrigation of the supplemental in this proposed in the supplemental irrigation is supplemental irrigation in the supplemental irrigation is supplemental irrigation in the supplemental irrigation is supplemental irrigation.	on from the
	, however	the subject w		the City's authorized place of erved by or issued in the nar	
4. APPLICAN	NT'S SIGNA	ATURE			
applica	tion by [ch	eck one]:		er about the proposed water $\square$ other (please specify) $\_$	
	that to th		nowledge the inform	ation contained in this Suppl	emental Form D is
Applicant Sig	Fahe		Lori Faha Name (print)	<u>9/</u> Date	12/24
5. (WHEN RI	EQUIRED) I	DISTRICT or W	ATER SUPPLIER CON	SENT TO THE PROPOSED WA	ATER RIGHT TRANSFER
District Man	ager or Wa	ater Supplier co	onsent is required if	any box on this form is marke	ed "YES."
The district/	water supp	olier certifies th	ne following:		
(1) The dis maps; a		r supplier has r	eviewed the applica	nt's proposed water right tra	nsfer application and
(2) The dis	trict/water	r supplier conse	ents to the proposed	l water right transfer applicat	ion.
					Received
					SEP 3 0 2024

Signature of Di	strict Manag	er /Water Supplier	Name (print), Title	Date
YES	NO 🖂	•	r supplier will be responsible for sul a Certified Water Rights Examiner (	•
YES 🗌	NO 🖂	•	mpletion, the confirming water righ Bureau of Reclamation or the distri	

Received

SFP 3 0 2024

# **Attachment E**

Land Use Information Forms

Application for Permanent Water Right Transfer - City of Bend

Received

SEP 3 0 2024

# **Land Use Information Form**



### 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 <u>all</u> 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.

Received

SEP 3 0 2024

# **Land Use Information Form**



Applicant(s): City of Bend, ATTN: Lori Faha

Mailing Address: 62975 Boyd Acres Road

City: Bend

State: OR

Zip Code: 97701

Daytime Phone: 541-317-3025

#### 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	1/4 1/4	Tax Lot#	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:		Proposed Land Use:	
<u>17 S</u>	<u>12 E</u>	<u>33</u>	<u>NENE</u>	171233A000105	<u>PF</u>	☑ Diverted	□ Conveyed	☑ Used	Municipal

<u>17 S</u>	<u>12 E</u>	<u>33</u>	<u>NENE</u>	<u>171233A000105</u>	<u>PF</u>	□ Diverted	□ Conveyed	☑ Used	Municipal
			re water is p s County	proposed to be diverte	d, conveyed, and/or us	ed or develo	ped:		
B. Descri	otion o	f Propos	sed Use						
Permit t	o Use or S	b be filed v Store Water se License	Wat     Wat     ■     ■     Wat     Wat     Wat     ■     Wat     Wat	tter Resources Depart er Right Transfer ocation of Conserved W	Permit Amer		und Water Re	gistration N	Modification
Source of wa	ater:	Reservoir/P	ond 🛛	Ground Water	Surface Water (name)				
Estimated qu	antity of	water nee	ded: <u>6.05</u>	□ cubic feet	per second gallon	ns per minute	acre-fe	eet	
Intended use	of water	:		Commercial Quasi-Municipal	☐ Industrial ☐ Instream ☐	Domestic fo	or hou	isehold(s)	
water rig	of Berght Cert ts. A se	ificates (	68702, 85	411, 85415, and 9 formation form is	al wells (Pilot Butto 94101. Outback We being provided to	ells 5, 6, 8	and 9 are lo	ocated o	utside
					completed while you was include it with the app				
				See bottom of	Page 3. $\longrightarrow$				
,									

Received

SEP 3 0 2024

## 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.

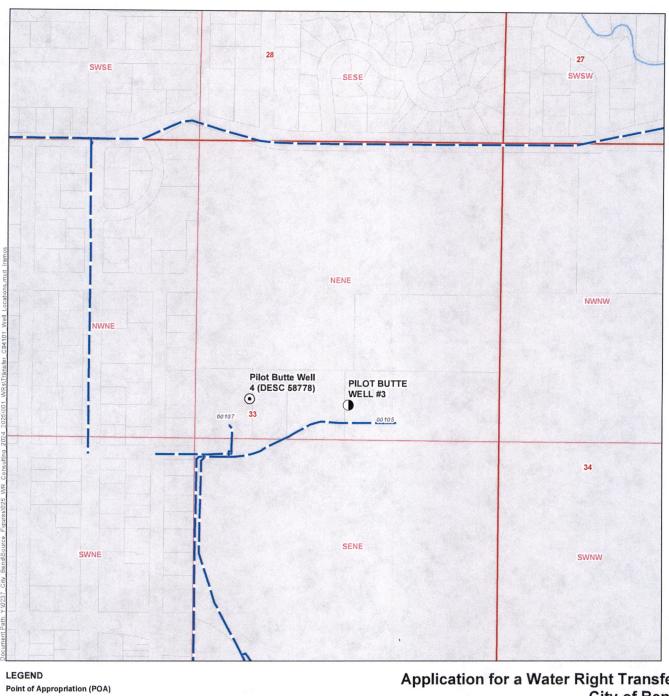
Please check the appropriate box below	ow and provide the requested infor	mation	
Land uses to be served by the proposed water your comprehensive plan. Cite applicable ordinary comprehensive pl	inance section(s): LANCI USE ISC LEGENHES ZONING DIST uses (including proposed construction) involved mentation of applicable land-use approvals which inpanying findings are sufficient.) If approval	e discretionary ch have already	Hecl Uncler land-use approvals as y been obtained.
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	d-Use Approval:
permis, etc.)		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
7		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
regarding this proposed use of water below, or on			
Name: Shella Pyott	Title: <b>_F</b>	issist. F	19nner
Signature: Shen Pyott Government Entity: City of Be	Phone: 541 6932 (	23 Date:	1/9/2024
Note to local government representative: Pleas sign the receipt, you will have 30 days from the V Form or WRD may presume the land use associate	se complete this form or sign the receipt below Vater Resources Department's notice date to re	eturn the comploie with local co	eted Land Use Information
Applicant name:			
City or County:	Staff contact:		

Received

SEP 3 0 2024

\_ Date: \_\_

Phone:



Authorized

Proposed

**All Other Features** 

Conveyance Line

Authorized Place of Use (POU)

Government Lot (GL)

City Boundary

Service Area Boundary

Watercourse Waterbody

**Application for a Water Right Transfer** City of Bend **Authorized and Proposed Points of Appropriation** 

Certificates 68702, 85411, 85415, 94101

**Deschutes County** 

#### DISCLAIMER

This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Date: August 22, 2024 Data Sources: BLM, ESRI, OWRD, USGS

200 1 inch = 400 feet



## Received

SEP 3 0 2024

# Land Use Information Form



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Received

SEP 3 0 2024



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Daytime Phone: 541-317-3025

#### A. Land and Location

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Township	Range	Section	1/4 1/4	Tax Lot#	Plan Designation (e.g., Rural Residential/RR-5)		Water to be:		Proposed Land Use:
<u>17 S</u>	<u>11 E</u>	<u>34</u>	SESW	<u>1711340000800</u>	<u>RR10</u>	☑ Diverted	□ Conveyed	☑ Used	Municipal
			SWSE						

178	11 E	34	<u>SESW</u>	1711340000800	<u>RR10</u>	Diverted	Conveyed	⊠ Used	<u>Municipal</u>
			SWSE						
List all coun	ties and	cities wher	re water is p	proposed to be diverte	d, conveyed, and/or us	ed or develop	ped:		3
City of 1	Bend; I	Deschute	s County	-					
B. Descri	ption o	f Propos	sed Use						
Type of appl Permit t Limited	to Use or S	Store Water	⊠ Wat	ter Resources Depart er Right Transfer cation of Conserved W	Permit Amer	ndment or Grou Water	und Water Reg	gistration N	Modification
Source of wa	ater:	Reservoir/P	ond 🖂	Ground Water	Surface Water (name)				
Estimated qu	antity of	water nee	eded: <u>6.05</u>	⊠ cubic feet	per second gallo	ns per minute	acre-fe	eet	
Intended use		r:		Commercial Quasi-Municipal	☐ Industrial ☐ Instream ☐	Domestic fo	or hou	isehold(s)	
water rig	of Ber ght Cert	tificates	68702, 85	411, 85415, and 9	al wells (Pilot Butto 94101. Outback We being provided to	ells 5, 6, 8 a	and 9 are lo	ocated o	utside
				ation Form cannot be	completed while you linclude it with the app	wait, please h	nave a local g		nt
				See bottom of	Page 3. $\rightarrow$				

SEP 3 0 2024

Received

OWRD

WR/FS

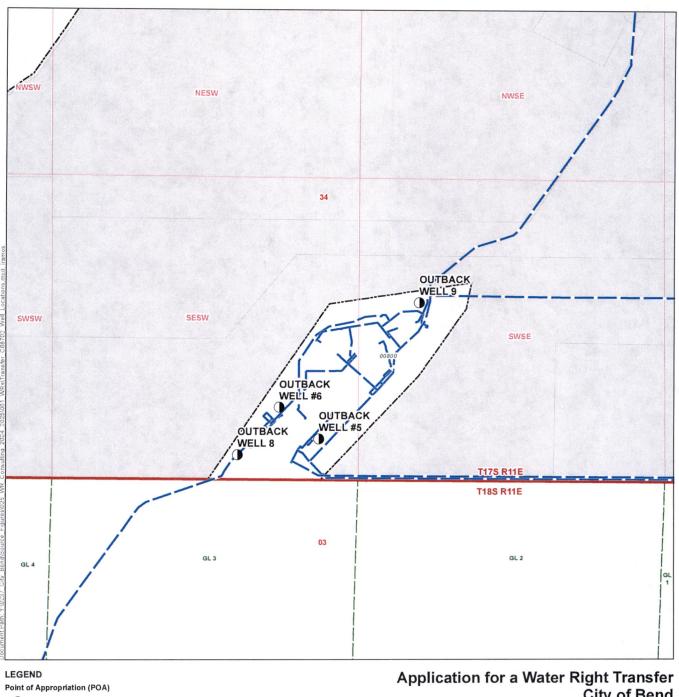
## For Local Government Use Only

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	ow and provide the requested infor	<u>mation</u>	
Land uses to be served by the proposed water your comprehensive plan. Cite applicable ordi	uses (including proposed construction) are all nance section(s): TZTLE IF	owed outright	or are not regulated by
Land uses to be served by the proposed water listed in the table below. (Please attach docum Record of Action/land-use decision and accomperiods have not ended, check "Being pursus	entation of applicable land-use approvals whin panying findings are sufficient.) If approval	ch have alread	y been obtained.
Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Lan	d-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
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
Name: Wzu Groves	Title:	LANIOZIA	ALLAGEN
Signature:	Phone: <u>541</u> 388 6	<i>≤/€</i> Date:	9/9/24
Government Entity: DESCULTES COU			
Note to local government representative: Pleas sign the receipt, you will have 30 days from the W Form or WRD may presume the land use associated	Vater Resources Department's notice date to re	eturn the complete with local control	leted Land Use Information omprehensive plans.
Receipt fo	r Request for Land Use Informat	tion	- Land
Applicant name:			
City or County:	Staff contact:		
Signature:	Phone:	_ Date:	

Received

SEP 3 0 2024



Proposed

All Other Features

Conveyance Line

Authorized Place of Use (POU)

Tax Lot

Government Lot (GL)

Service Area Boundary

Watercourse Waterbody

> Received SEP 3 0 2024

> > **OWRD**

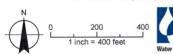
# City of Bend **Proposed Points of Appropriation**

Certificates 68702, 85411, 85415, 94101

**Deschutes County** 

DISCLAIMER
This map was prepared for the purpose of identifying the location of a water right only and it is not intended to provide legal dimensions or location of property ownership lines.

Date: August 22, 2024 Data Sources: BLM, ESRI, OWRD, USGS



Outback Well 5	DESC 56371
Outback Well 6	DESC 56449
Outback Well 7	DESC 57760
Pilot Butte Well 3	DESC 52907
Pilot Butte Well 4	DESC 58778
River Well 1	DESC 5577
River Well 2	DESC 5578
Shiloh Well 3	DESC 5613
Westwood Well	DESC 5585 / DESC 5586
Outback Well 8	N/A
Outback Well 9	N/A

## **Attachment F**

Well Logs

Application for Permanent Water Right Transfer - City of Bend

Received SEP 3 0 2024 OWRD

#### STATE OF OREGON (WELL I.D.)# L 72463 WATER SUPPLY WELL REPORT (as required by ORS 537.765) (START CARD) # 147290 Instructions for completing this report are on the last page of this form. (1) OWNER: Well Number Outback #5 (9) LOCATION OF WELL by legal description: Name City of Bend County Deschutes Latitude Longitude Address PO Box 431 Township 17 S Range 11 E WM. City Bend Zip 97709 State OR Section 34 SW 1/4 SE 1/4 (2) TYPE OF WORK Tax Lot 6202 Block Subdivision ✓ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment Street Address of Well (or nearest address) 18900 Skyliners Rd (3) DRILL METHOD: Bend, OR 97701 ✓ Rotary Air Rotary Mud Cable (10) STATIC WATER LEVEL: Auger Other Reverse Circulation Rotary ft. below land surface. Date 10/7/04 (4) PROPOSED USE: lb. per square inch. Artesian pressure Date Industrial Domestic Community (11) WATER BEARING ZONES: Irrigation Thermal Injection Livestock Other (5) BORE HOLE CONSTRUCTION: Depth at which water was first found 624 Special Construction approval Yes No Depth of Completed Well 861 ft. Explosives used Yes No Type From Estimated Flow Rate SWL HOLE SEAL 624 861 see #8 see Diameter From Material From Sacks or pounds #10 8 26 0 Cement & Bent 0 160 334 sks 20 Intermediate Seal ing 8 635 Material: 635 861 615 40,200 pounds 15 Bentonite 160 615 625 175 sks (12) WELL LOG: Mcthod A How was seal placed: В Ground Elevation Other Bentonite was poured & probed Backfill placed from ft. to SWL Material Material From To see attached formation log Gravel placed from Size of gravel (6) CASING/LINER: Diameter To Gauge Steel Welded Threaded Casing: 16 +3 625 .375 RECEIVED NOV 1 0 2004 Liner: 12 615 861 .375 WATER RESOURCES DEPT Final location of shoe(s) SALEM, OREGON (7) PERFORATIONS/SCREENS: ✓ Perforations Method Factory mill cut Screens Туре Slot size Number 3/16x3 11520 Casing 861 619 (8) WELL TESTS: Minimum testing time is 1 hour Completed 10/12/04 Date started 3/19/04 (unbonded) Water Well Constructor Certification: Flowing **✓** Pump Bailer Air Artesian I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge Drill stem at Time Yield gal/min Drawdown 1500 0.3 feet 1 hr 1500 0.75 feet 24 hours WWC Number 1695 Date 11/9/04 Temperature of water ~52F (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Yes By whom I accept responsibility for the construction, alteration, or abandonment work Was a water analysis done? performed on this well during the construction dates reported above. All work Did any strata contain water not suitable for intended use? 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. Salty Muddy Odor Colored Other WWC Number 649 Depth of strata: Date 11/9/04

ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR

SEP 3 0 2024

THIRD COPY-CUSTOMER
Received

# City of Bend Outback Well #5 by Schneider Drilling Co.

### Start Card #W147290

Label #L72463

<u>FM</u>	<u>TO</u>	DESCRIPTION
0	2	Top soil & cobbles
2	8.5	Basalt, soil, boulders, cobbles
8.5	21	Conglomerate, red, cindery
21	27	Basalt, grey, hard
27	68	Basalt, grey & some red, vesicular
68	70	Pumice, tan & basalt, grey
70	210	Pumice, tan, cinders, vesicular, grey
210	230	Pumice, white & cinders, red & grey
230	255	Pumice, tan & cinders, brown & red & basalt, grey
255	342	Basalt, grey & red & pumice, tan
342	355	Basalt, vesicular, grey & red, pumice, tan
355	365	Basalt, grey & red & pumice, tan
365	370	Basalt, grey & cinders, red w/ some Pumice, tan
370	388	Cinders, red & basalt, grey w/some pumice, tan
388	397	Cobbles & Gravel, cemented
397	417	Cinders, red & basalt, grey, vesicular
417	430	Basalt, grey, hard w/some cinders, red
430	446	Cinders, red, soft
446	468	Basalt, grey, medium-hard
468	550	Cinders, red & black
550	620	Pumice, tan & cinders red & black
620	624	Basalt, grey, hard
624	642	Cinders, soft
642	649	Basalt, black
649	666	Cinders, red & black
666	669	Cinders, red
669	696	Cinders, red & black
696	714	Basalt, grey
714	723	Basalt, red
723	742	Cinders, red
	753	Basalt, grey, hard
753	757	Basalt, brown, vesicular
757	763	Basalt, black, broken
763	767	Cinders, black & red
767	779	Cinders, red
	787	Basalt, grey, hard
787		Basalt, grey, hard, some fractures
833		Basalt, red & black
837		Basalt, tan & black
852	861	Basalt, brown, fractured

**RECEIVED** 

NOV 1 0 2004

WATER RESOURCES DEPT SALEM, OREGON

Received

SEP 3 0 2024

Page 1 of 1

Amendment

# STATE OF OREGON

NAT.	FD	CIID	DIV	WEII	REPORT
					KEI OKI
		41	ORG #	27 7663	

WELL I.D.)# L 67857	(amended DESC 56449)
START CARD) # 1647	09

111311	detions :	or comp	teting this i	cport are .	711 1110 111	or pure or mito ror mi	1				
(1) OW	VNER:				Well N	umber Outback #6	(9) LOCATION OF				
	ity of Be						County Deschute				
Address	P.O. Bo	x 431					Township 17		11		WM.
City Be				State O	r	Zip 97701	Section 34		SE	50	
	PE OF						Tax Lot 6202R2 L	otBlock		ubdivision	1.00
				ation (repa	ir/recond	ition) Abandonmer		l (or nearest address)	15900 Skylli	ner Rd., Ben	d, OR
` '	ILL ME						97701	- THE PARTY OF THE			
			ry Mud		<b>∏ Λ</b> ι	iger	(10) STATIC WATER			D 44/02/0	
			ulation, Du	al Rotary			=	ow land surface.		Date 11/02/04	4
(4) PR				_	_		Artesian pressure	lb. per squ	lare inch.	Date	
Dom:			munity [			] Irrigation	(11) WATER BEARI	NG ZUNES:			
Then		Injec		Livestoc	k _	Other	Depth at which water was	first found 115'			
			NSTRUC			amalatad Wall 964	1 '	Thist found 110			
						ompleted Well 864		То	Estimate	d Flow Rate	SWL
Explosiv		Yes	No lyp	SEAI		Amount	115	125	30		115
	HOLE		*******			Sacks or pounds	516	582	200 gpm		480
Diameter 20"	7 From	To 502'	Materia Cement	al From	1	5 yards	638	864	Rev.Circ- u	nmeasuable	480
20	-	302	Cement	0	160'	11 yards					
16"	502'	864'		-		1,					
10	1002	004			-		(12) WELL LOG:				
How wa	s seal pla	ced:	Method	ПА	В	ZC D		Elevation			
	her				_						
	placed fr		ft. to 4	<b>60</b> ft.	Mate	erial sand grout	Materia		From	То	SWL
	placed fro			02 ft.	Size	of gravel 1/4	*** SEE ATTACHED L	.OG"		-	
	SING/I						-			-	
, ,	Diameter	Fro	m To (	Gauge Stee	l Plas	tic Welded Threade	d				
Casing:	16"	+1	675' .	375						-	
Cubing										-	
_							RECEI	VED		-	
							1/LULI	VLD		-	
Liner:	12"	662.	1' 864'	<b>Z</b>			PPD () 4	0005			
							FEB 24	2005		-	
	cation of						- NAME OF COME	noec near		+	
. ,			SCREEN				WATER RESOU			+	
<b>✓</b> Pe	erforation	s l	Method Fa	ctory			SALEM, OF	TEGUN			
	creens	Sto	Гуре		- N	faterial				1	
From	To	size	Number	Diameter		ce Casing Lin					
664'	864'	3/16	x3 9,120	12"					-		
		-									
					-	_					
		-				_					
							-				
(0) 11/1	err err	ere.	(inimum t	action di	a ie 1 L	our	Date started 06/14/04	Con	npleted 11/24	/04	
(8) WE	ELL IES	515: N	linimum to	cating till	IC 13 1 11		(unbonded) Water Weil				
		L	Bailer	Air		Flowing Artesian	Lastific that the work	I performed on the co	nstruction, alter	ration, or aban	donment
₽ı			Bailer	-	stem at	Time	of this well is in complian  Materials used and inform	ce with Oregon water	supply well co	Instruction star	idai ds.
Yield	gal/min	Di	awdown	Driii	stem at	l hr.	and belief.	nation reported above	are true to the t	ocst of my kno	wicago.
1,450		1'		<del>                                     </del>		24 hr	- 1/2/1/2	11 (1/6)	WWC Nu	mber 1702	
1,450		<u> </u>					Signed Signed	V. Comment		Date 02-21-	-05
Tamna	ature of w	rater 53	F	Depth Arte	sian Flo	w Found	(bonded) Water Well Co	nstructor Certificati	on:	-	
	vater analy	-		es By wh	om City	of Bend	I assent seemensibility	for the construction	alteration, or ab	andonment wo	ork
			ter not suitat				- I c I Abia small da	ring the construction	dates reported :	anove All Wo	C K
			Odor [				performed on this well do performed during this tim construction symdards. T	his report is true to th	e best of my kr	nowledge and b	elief.
Depth o		uuy L	,500	2010100			//. /-	< 77	WWC No	mber 1523	
Debui 0	a suata.					•	Signed Why	ZX		Date 02-21	-05
OBICE	NIAT 9-1	CIDCT	COPY_W/AT	TER RES	OURCE	S DEPARTMENT	SECOND COPY-CONSTR	UCTOR THIRD	COPY-CUS	TOMER	

Received

#### STATE OF OREGON (WELL I.D.)# L 67857 WATER SUPPLY WELL REPORT (START CARD) # 164709 (as required by ORS 537 765) Instructions for completing this report are on the last page of this form. (9) LOCATION OF WELL by legal description: Well Number Outback #6 (1) OWNER: Longitude County Deschutes 1.atitude\_ Name City of Bend Range 11 E WM Township 17 Address P.O. Box 431 1/4 SE 1/4 SW Zip 97701 Section 34 State Or City Bend Tax Lot 6202R2 Lot Subdivision Block (2) TYPE OF WORK Street Address of Well (or nearest address) 15900 Skyllner Rd., Bend, OR ✓ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment (3) DRILL METHOD: (10) STATIC WATER LEVEL: ☑ Rotary Air ☐ Rotary Mud ☐ Cable Date 11/02/04 ft. below land surface. ☑Other Reverse Circulation, Dual Rotary Artesian pressure Date lb. per square inch (4) PROPOSED USE: (II) WATER BEARING ZONES: Domestic Community [ Industrial [ ] Irrigation Thermal Other Livestock Injection Depth at which water was first found 115' (5) BORE HOLE CONSTRUCTION: Special Construction approval Tyes Mo Depth of Completed Well 864 ft SWI. Estimated Flow Rate From Explosives used Tyes No. Type 115 30 125 115 SEAL. HOLE 480 200 gpm 582 516 From Sacks or pounds Diameter 70 Material 10 480 Rev.Circ- unmeasuable 864 638 5 yards 480 502 Cement 460' 20" 160' 11 yards 0 502' 864' (12) WELL LOG: Ground Elevation How was seal placed Method Uther ..... SWL From Material Backfill placed from 160 it to 460 į, it Material sand grout \*\*\* SEE ATTACHED LOG" Size of gravel 1/4 ſì. Gravel placed from 480 i). to 502 (6) CASING/LINER: Welded Threaded Plastic Diameter To Gauge Steel **J** 675 Casing 16" 1 RECEIVED DEC 15 2004 12" 662.1' 1864' Liner WATER RESOURCES DEPT Final location of shoets) SALEM, OREGON (7) PERFORATIONS/SCREENS: Method Factory Perforations Material Type ☐ Screens Tele/pipe size Line 3/16x3 9,120 864 C Completed 11/24/04 Date started 06/14/04 (8) WELL TESTS: Minimum testing time is I hour (unbonded) Water Well Constructor Certification: Flowing I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards Materials used and information reported above are true to the best of my knowledge Butler \_'Air V Pump Time WWC Number 2(2) 24 hr 1.450 (bonded) Water Well Constructor Certification: Depth Artesian Flow Found Temperature of water 53 F I accept responsibility for the construction, alteration, or abandonment work Yes By whom City of Bend Was a water analysis done'r tion dates reported above. All work performed on this well during the constru-performed during this time is in complete construction standards. This report is the fince with Oregon water supply well have to the best of my knowledge and belief Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other WWC Number 1523 Date 12-02-04 Signed ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT. SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

Received



Geo-Tech Explorations
A Division of Technology 19700 SW Teton Ave
Tualatin, OR 97062
503-692-6400
503-692-4759 (fax)

# RECEIVED

DEC 15 2004

WATER RESOURCES DEPT SALEM, OREGON

Start Card: <u>164709</u> Well Label: <u>L67857</u>

Boring #: Outback #6

### Soil Profile Continued from Log:

Material	From	To	SWI
Soil	0	4	
Broken Brown Rubble	4	12	
Broken Pumice	12	46	
Basalt - black & red	46	51	
Basalt – gray	51	115	
Basalt (soft) – red	115	260	115
Basalt – black	260	380	
Lava Pumice – brown & red	380	435	
Basalt – brown & red	435	446	
Red lava rock	446	472	
Basalt – black w/ brown	472	516	
Lava – brown & red	516	582	480
Cinders – brown & red	582	620	<b></b>
Basalt – brown	620	638	<u> </u>
Lava – black & brown (caving)	638	658	1
Red cinders (caving)	658	689	1
Basalt - black w/ red	689	691	1
Basalt – gray	691	700	1
Lava – gray w/ red	700	705	1
Basalt – brown w/ red lava	705	710	
Red Cinders	710	744	1
Basalt – gray	744	751	1
Red Cinders	751	780	<u> </u>
Basalt - gray	780	801	1
Basalt – gray & red	801	831	
Basalt - red	831	836	1
Red Cinders	836	864	480

Received

SEP 3 0 2024

#### DESC 57760

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

(WELLID.)# L	72483
(START CARD)	168799

Insti	ructions f	or comp	leting this re	eport are	on t	the las	t page of this form.		(SIAKI C	AKD)= _			
(1) (1)	WNER:				W	ell Nu	mber Outback #7	(9) LOCATION O	F WELL by le	gal descri	ption:		
. ,		schutes	National F	Forest	(	(Less	ee: City of Bend)	County Deschi	ites Latitud	e	Lon	gitude	
	1001 Er					(Less	ee: PO Box 431)	Township 18	S	Range 11		E	WM.
City Be				State (	OR		Zip 97702	Section 3	N	E 1/4 of	NW	1'4	
	PE OF	WORK						Tax Lot 200	Lot	Block	Su	ibdivision	
				ation (ren	nair/r	econdi	tion) Abandonment	Street Address of				ers Rd	
	RILL MI			atton (rep				Bend, OR 9770					
			ry Mud	Cable		Au	ner.	(10) STATIC WAT			#4 description autoproperation	The second secon	
		-	ulation Rol			Au	gei		below land surface	ne.	г	)ate 10/17/	06
lafferer!	ROPOSE			ury						o. per square		Date	
		-		71-4		(	T-iti	Artesian pressure (11) WATER BEA			men. 1	/atc	
	nestic		munity	_			Lirigation	(II) WAIER BEA	KING ZONE.	<b>5.</b>			
	rmal	Injec		Livesto	ock		Other	D. A. Lil	· · · · · · · · · · · · ·	rana 456±	· = ianifica	ot @ 612'	
			ONSTRUC			6.0	1	Depth at which water	was first found	lace 4507	, significal	11 (2) 6 12	
_							mpleted Well 860.5 ft.						
Explos		Yes	No Typ			/	traount	From		ľu		How Rate	
	HOLE			SEA	<b>L</b>			612	860	S	ee (8)		see
	er From		Materi		om	To	Sacks or pounds						(10)
23	0	14	cement	0		160	128 sacks						
20 no	m 14	612	Interme	diate S	Seal	ing	Material:	456+	528-	tı	race		456
15	612	860.5	Bento	nite 16	30	575	28,200 pounds						
			Cement	57	75	612	110 sacks	(12) WELL LOG:					
How w	as seal pla	aced:	Method	A		В	$\mathbf{Z}^{C}  \Box D  \Box E$		und Elevation _				
<b>1</b> 0	ther Ber	ntonite	was poured	& prob	oed								
	II placed fi					Mate	rial	Mat	erial		From	То	SWL
	placed fro		ft. to	ft		Size	of gravel	see attached form	ation log				
	ASING/		:										
, ,	Diameter			Gauge Ste	eel	Plast	ic Welded Threaded						
Casing		+2	1 1		1		<b>7</b>				1		
Casing				-						- 4	1		
					_				Receive	60	-	İ	
					=					-001	1		
Liner:	12	602	5 860.5	375	7				CEP 30	2024		-	
Liner.	12	002.	000.0	5,0	<b>Z</b>				المال		-		
F' 11		1 ()							CIAIT	7	-		
_	ocation of		COPERN						OWF		-		
			S/SCREEN							mile trans management			
	Perforation	ns l	Method fa	ctory r	nili					1 2	ECE	MEP	
	Screens	Slot	Туре			M Tele/p	aterial			1 11	しつに	VEL	
From		size	Number	Diamet	er	size				<u> </u>			
610.5	860.5	3/16	x3 11424	ļ			<b>J</b>			1 0	EC 08	2006	
	-	-		<u> </u>							1		_
				-						WATER	RESOUR	CES DE	PT
	_			1						5/	ALEM, OR	EGON	
		1											
							-						
(8) W	ELLTE	STS: N	linimum to	esting ti	me i	is 1 ho	OUT	Date started 3/15/06		Comple	ted 10/20/	06	5
							Flowing	(unbonded) Water W	ell Constructor	Certificatio	n:		
<b>J</b> P	ump	I	Bailer	A	ir		Artesian	I certify that the we	ork I performed o	n the constr	uction, alters	ation, or aba	ndonmen
Yiel	ld gal/min	Dr	aw down	Dril	l sten	n at	Time	of this well is in comp					
1470	_	0.8					1 hr.	Materials used and inf and belief.	оннацон герогте	u above are	u de to the b	est of my Kr	owieage
1470		0.8					24 hr				WWC Num	ber	
		1						Signed				Date	
Tempo	rature of	valer ~5	2F	Denth 4-	terio	n Flou	Found	(bonded) Water Well	Constructor Co	rtification:			
Temperature of water ~52F Depth Artesian Flow Found Was a water analysis done? Yes By whom									ation	domm: t	باسماد		
							Tan Unit	I accept responsibil performed on this well					
			ter not suitab			_	Too little	performed during this	time is in compli	ance with O	regon water	supply well	
		day	Odor			Other		construction standards	Inis report is	ue to the be	WC Nun		benet.
Depth	of strata:	-						la Karl	Sepor	1			
								Signed Curry	e/ He	mice	41	Date 11/3	06

#### **DESC 57760**

## USFS Deschutes National Forest / City of Bend Outback Well #7

### by Schneider Drilling Co.

#### 

F13.4	TO.	PROCESTATION						
FM	<u>TO</u>	DESCRIPTION						
0	2	Top soil and basalt, broken						
2	10	Basalt, grey, medium						
10	16	Basalt, grey, medium, fractured						
16	47	Basalt, grey, medium w/seams of red						
47	66	Cinders, red w/seams of basalt, grey, medium						
66	106	Pumice, white						
106	157	Cinders, red w/seams of basalt, grey, medium & pumice, white						
157	166	Pumice, tan						
166	373	Pumice, tan & basalt, grey, medium & cinders, red						
373	385	Basalt, grey, hard						
385	397	Pumice, tan & basalt, grey, medium						
397	400	Basalt, grey, hard, fractured						
400	410	Cinders, red, soft						
410	426	Basalt, grey hard						
426	460	Basalt, grey, medium-hard interbedded with basalt, black, broken & cinders, black & rec						
460	475	Cinders, red w/black & pumice, tan; soft						
475	508	Pumice, tan & cinders, red w/black; very soft						
508	528	Cinders, red w/black, soft						
528	548	Cinders, red & black, w/pumice, tan & some baslat chips, black						
548	555	Cinders, red & black w/some pumice, tan						
555	608	Pumice, tan w/cinders, red & black						
608	610	Pumice, tan w/cinders, red-brown						
610	639	Basalt, grey, hard, some fractures						
639	647	Basalt, grey, hard-medium, wome fractures, w/some basalt, brown, fracture, occ vesicles						
647	656	Basalt, grey, hard, some fractures						
656	673	Basalt, grey red & brown, medium-soft, broken, some vesicles, some cinders						
673	687	Cinders, red & brown, soft, broken, some vesicles						
687	704	Basalt, grey hard						
704	712	Basalt, red & grey, medium-hard						
712	717	Cinders, red, soft						
717	726	Basalt, dark red w/some grey, medium-hard						
726	732	Basalt, grey, medium-hard						
	740	Basalt, dark red & grey, medium-hard, vesicular						
	743	Basalt, grey w/some red, medium-hard						
	745	Basalt, grey, hard						
	767	Basalt, grey red & brown, medium-soft, broken, some vesicles, some cinders						
	774	Basalt, dark red, medium, broken, w/some cinders, red						
	781	Basalt, red, soft, cindery w/some grey basalt						
	782	Basalt, grey red brown, medium-hard, w/some red cinders						
	832	Basalt, grey w/some red, hard, fractured						
	852	Basalt, red w/some brown, medium, fractured w/cinders & some pumice						
	860.5	Basalt, grey w/some red, hard, fractured & some cinders						

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WATER RESOURCES DEPT SALEM, OREGON

Received

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Page 1 of 1



#### STATE OF OREGON

Depth of strata

ft.

#### WATER SUPPLY WELL REPORT (as required by ORS 537.765)

DESC 52907 Amendment

Received Date 04/10/2000

**GEO-TECH EXPLORATIONS** 

Well ID Tag # L

39583

Start Card # 124991

Instructions for completing this report are on the last page of this form.	Start Card # 124991
(1) OWNER Well Number	(9) LOCATION OF HOLE By legal description
Name	County Deschutes Latitude Longitude
CITY OF BEND	Township 17.00 S Range 12.00 E Subdivision
Street PO BOX 431	Tax lot 101 Lot Block
City BEND State OR Zip 97709	Section 33 NE 1/4 NE 1/4
(2) TYPE OF WORK	Street Address of Well (or nearest address)
New Alter (Recondition) Alter (Repair)	1402 NE LAFAYETTE
Deepening Abandonment	MAP with location indentified must be attached
(3) DRILL METHOD	(10) STATIC WATER LEVEL
Rotary Air Rotary Mud Cable Auger	786.0 Ft. below land surface. Date 02/15/2000
Other	Artesian Pressure lb/sq. in. Date
(4) PROPOSED USE  ☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation ☐ Injection ☐ Livestock ☐ Thermal Other	(11) WATER BEARING ZONES  Depth at which water was first found 815 ft.
(5) BORE HOLE CONSTRUCTION  Special Standards Depth of completed well 1140 ft.	
Special Standards Depth of completed well 1140 ft.  Explosives Used Amount Type	(40) WELL LOO
ZAPIOSITOS OSOS	(12) WELL LOG Ground Elevation ft.
	,
How as seal placed: Method Other  Backfill placed from ft. TO ft. Material	
Backfill placed from ft. TO ft. Material  Filter pack from ft. TO ft. Size in.	
(6) CASING/LINER	
Casing Construction or Begin End Construction Location	
Liner Diameter Depth Depth Gauge Material Weld Threaded Of Shoe	
C 14.00 0.00 862.00 .375 S 🔀	
4 (3) 4 (4)	and the same of
(7) PERFORATION/SCREENS	Received
Perforation: Method	SEP 3 0 2024
Screens Type Material	SEL 20 FOF
	OWRD
	CAALIE
	)
	4
(8) WELL TESTS (Minimum testing time is 1 hour)	Date started 12/06/1999 Completed 03/24/2000
Type Yield Units Drawdown Stem at Duration Pump 1000.0 G 30.0 24.0	(unbonded) Water Well Constructor Certification:
Fump 1000.9 5 500.9	I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to the best knowledge and belief.
Temperature of water 53 °F/C Depth artesian flow found ft.	Signed By
Was water analysis done?	(bonded) Water Well Constructor Certification: WWC Number
By Whom?	I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work
Did any strata contain water not suitable for intended use?   Too Little Salty	การ์จราจจังใหญ่ที่สาไอ้รั่ง with Oregon well construction standards. This report is true to
Muddy Odor Colored Other	the best of my knowledge and belief.  WWC Number 1464

Signed By GREG MCINNIS

DESC 52901

APR 1 0 2000

WELL I.D. # L\_\_\_39583

# STATE OF OREGON WATER SUPPLY WELL REPORT SALEM, OREGON

(as required by ORS 537.765) START CARD # 124991 Instructions for completing this report are on the last page of this form. (9) LOCATION OF WELL by legal description: (1) OWNER: Well Number PB3 Name City of Bend County Deschutes Latitude Longitude Address PO Box 431 Township 18 N or S Range (E)or W. WM. Zip 97709 City Bend State Section 33 \_ 1/4 NE 1/4 NE (2) TYPE OF WORK Tax Lot 101 Lot Block Subdivision New Well Deepening Alteration (repair/recondition) Abandonment Street Address of Well (or nearest address) 1402 NE Lafavette (3) DRILL METHOD: Bend, Orecon 97701 (10) STATIC WATER LEVEL: Rotary Air Rotary Mud Cable Auger Other 786 ft. below land surface. Date 2-15-00 (4) PROPOSED USE: Artesian pressure lb. per square inch. Date (11) WATER BEARING ZONES: Domestic Community Industrial Irrigation Thermal Injection Livestock Other (5) BORE HOLE CONSTRUCTION: Depth at which water was first found Special Construction approval X Yes No Depth of Completed Well 1140 ft. Explosives used Yes No Type Estimated Flow Rate SWL To 815 752 752<del>11</del> HOLE SEAL 1,000+ 1140 786 871 From Material Diameter Sacks or pounds 20" 134 bacs 150 0 862 cement 0 cement 822 862 66 bags (12) WELL LOG: How was seal placed:  $\square A$  $\square B$ KC  $\square D$ Ground Elevation Other . Material bent/sand gro Backfill placed from 822 ft. to 150 Material SWL From To Gravel placed from ft. to ft. Size of gravel (6) CASING/LINER: Plastic Welded Threaded SEE ATTACHED SHRET 0 862 375 Casing: 14" K K Received Final location of shoe(s) (7) PERFORATIONS/SCREENS: Perforations Method Factory Screens Material Casing Liner 10" X 11/9x3 13440 1140 860 Date started December 6,1999Complete March 24, (8) WELL TESTS: Minimum testing time is 1 hour (unbonded) Water Well Constructor Certification: Flowing Artesian Pump Bailer Air I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge Yield gal/min Drill stem at 1 hr. and belief. 24 hrs. WWC Number 1.000 Date Signed Depth Artesian Flow Found (bonded) Water Weil Constructor Certification: Temperature of water I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief. Was a water analysis done? Yes By whom Did any strata contain water not suitable for intended use? Salty Muddy Odor Colored Other WWC Number 14/04 Depth of strata: Signed ORIGINAL & FIRST COPY-WATER RESOURCES DEPARTMENT SECOND COPY-CONSTRUCTOR THIRD COPY-CUSTOMER

START CARD #: 124991

## FORMATION LOG FOR THE CITY OF BEND, PILOT BUTTE WELL #3BY GEO-TECH EXPLORATIONS, INC.

From/To	Material
0-6	Sand & Cobbles
6-352	Cinders, red, soft
352-370	Basalt, gray, hard
370-390	Lava & Pumice, soft, red
390-47 <del>0</del>	Lava, gray, porous
470-560	Basalt, fractured, gray
560-580	Basalt, broken
580-650	Basalt, fractured, gray
650-693	Basalt, gray, hard
693-700	Lava, red, medium
700-705	Basalt, weathered, soft
705-717	Basalt, gray, medium
717-725	Basalt, gray-red, porous
725-815	Basalt, gray, fractured, medium
815-854	Basalt, gray, broken
854-871	Basalt, fractured, hard
871-884	Lava, red & brown, loose
884-900	Lava, red & black, some cinders, red-pumice, soft
900-915	Lava, gray-black, soft
915-927	Basalt, gray, medium
927-940	Lava, gray-red, porous
940-973	Cemented pea gravels, weathered
973-987	Lava, gray, medium
987-1,040	Lava conglomerate
1,040-1,115	Lava, black & brown, soft
1,115-1,121	Basalt, gray, hard, pin holes
1,121-1,131	Lava, gray-brown, soft
1,131-1,141	Basalt, gray, hard

Received

SEP 3 0 2024

### **DESC 58778**

#### STATE OF OREGON WATER SUPPLY WELL REPORT

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

WELL LABEL # L	100376	
START CARD#	1003631	

(1) LAND OWNER Owner Well I.D. Pilot Butte Well #4	(C) LOCATION OF FIRM			
	(9) LOCATION OF WELL (legal description)			
First Name Last Name Company CITY OF BEND	County DESCHUTT Twp 17 S N/S Range 12 E E/W WM			
Address P.O. BOX 431	Sec 33 NE 1/4 of the NE 1/4 Tax Lot 101			
City BEND, State OR Zip 97701	Tax Map Number Lot DMS or DD			
	Long DMS or DD DMS or DD DMS or DD			
(2) TYPE OF WORK New Well Deepening Conversion Alteration (repair/recondition) Abandonment	Street address of well			
	1402 N.E. LAFAYETTE			
(3) DRILL METHOD	DEAD ODECONOTION			
Rotary Air Rotary Mud Cable Auger Cable Mud  Reverse Rotary Other	(10) STATIC WATER LEVEL  Date SWL(psi) + SWL(ft)			
(4) PROPOSED USE Domestic Irrigation X Community	Existing Well / Predeepening			
Industrial/ Commericial Livestock Dewatering	Completed Well 06-24-2009 702			
Thermal Injection Other	Flowing Artesian? Dry Hole?			
(5) BORE HOLE CONSTRUCTION Special Standard Attach copy	WATER BEARING ZONES Depth water was first found 684			
Depth of Completed Well 1,160 ft. [Attach copy]	SWL Date   From   To   Est Flow SWL(psi) + SWL(ft)			
BORE HOLE SEAL sacks/	03-14-2009 705 850 1,000 687.5			
Dia From To Material From To Amt Ibs	06-04-2009 850 1,160 5,000 694			
26 0 189 Cement 660 680 44 S	06-24-2009 702			
22 189 850 Cement 307 335 44 S				
15 850 1,160 Cement 0 101 880 S	(11) WELL LOG Ground Elevation 3,712			
How was seal placed: Method A B XC D E	Glound Elevation 3,712			
Other	Material From To			
Backfill placed from 335 ft. to 660 ft. Material Bentonite Chips				
Filter pack from fl. to ft. Material Size	Received			
Explosives used: XYcs Type Deta Gel Amount 9 sticks 2x16				
	esp 3 0 2024			
(6) CASING/LINER Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd	```			
● C 16 × 2 850 .375 ● C ×	OWIDD			
○ 14	OWRD			
	WESTERN WATER DEVELOPMENT RECEIVED			
	P.O. Box 1670 Redmond, OR 97756 JUL <b>9 2 20</b> 09			
Shoe Inside Outside Other Location of shoe(s) 850	REDMOND, OR 97756 JUL 4 2 2003			
Temp casing Yes Dia From To	DESCRIPTION OF THE PROPERTY OF			
(7) PERFORATIONS/SCREENS	WATER RESOURCES DE			
Perforations Method Factory Saw	SALEM, OREGON			
Screens Type Material				
Peril'S Casing/ Screen Scrn/slot Slot # of Tele/ creen Liner Dia From To width length slots pipe size	Date Started 06-06-2008 Completed 06-24-2009			
creen     Liner     Dia     From     To     width     length     slots     pipe size       Perf     Casing     16     740     828     .188     3     16	(unbonded) Water Well Constructor Certification			
Perf Liner 14 849 938 .188 3 14	I certify that the work I performed on the construction, deepening, alteration, or			
Perf Liner 14 938 960 .25 3 14	abandonment of this well is in compliance with Oregon water supply well			
Perf Liner 14 960 1,004 .188 3 14	construction standards. Materials used and information reported above are true to			
Perf   Liner   14   1,004   1,071   .25   3   14	the best of my knowledge and belief.			
(8) WELL TESTS: Minimum testing time is 1 hour	License Number Date			
Pump Bailer Air Flowing Artesian	Password : (if filing electronically) Signed			
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)  1.150 17 832 4				
1,150 17 832 4 950 11 832 20	(bonded) Water Well Constructor Certification			
The state of the s	I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work			
Temperature 51 °F Lab analysis Yes By	performed during this time is in compliance with Oregon water supply well			
Water quality concerns? Yes (describe below)	construction standards. This report is true to the best of my knowledge and belief.			
From To Description Amount Units	License Number 1385 Date 06-26-2009			
	Password: (if filing electronically)			
	Signed 1 Contact Info (actions!)			
	Contact Info (optional)			

START CARD # 1003631

(5) BORE HOLE CONSTRUCTION							(10) STATIC WATER LEVEL			
Bia Dia	ORE HO	OLE To	Marie	SEAL	T. A	sacks/				
	11011	1	Material	From	10 A	mt lbs.	SWL Date From To Est Flow SWL(psi) + SWI	(ft)		
	_	-								
	+	+	-	+		-				
	Eu æc	D DA OV								
F	FILIE	R PACK To	Material Size							
-										
(6) CA	ASING	LINER	<b>L</b>				- (11) WELL LOG  Material From To			
Casi	ing Lines	Dia	+ From To	Gauge St	l Plstc W	ld Thrd	IVIANA IAJ			
C										
$\subseteq$	2		H		291	$\dashv \vdash \vdash$				
$\succeq$	7			1	381	+H				
Ç				]						
$\succ$	$\mathcal{A}$		-		$\exists \exists \vdash$	+H	Received			
Č					3 d t		SEP 3 0 2024			
C	) 0				) a r		SEP 3 0 ZOZY			
				,			OMPO			
							ONAND			
(7) PE	ERFOR	RATION	S/SCREENS							
Perf/S	Casing/ S	Screen	S	Scrn/slot Sk						
	Liner Liner	Dia 14	From To 1,071 1,160	width leng		pipe size				
			1,012				RECEIVE	)		
	-				-	-				
							JUL 0 2 200	19		
							WATER RESOURCES	DEP		
	-					-	SALEM, OREGO	N		
							-			
(8) W	ELL T	ESTS:	Minimum testing	g time is 1 h	our					
Yield	gal/min	Draw	down Drill stem	/Pump depth	Duratio	on (hr)	Comments/Remarks			
							Additional Backfill Material placed from 101' to 307' Bentonite Chips			
Wa	ter Qu	ality Con	cerns							
Fro		То	Description	n	Amount	Units	Western Water Development			
-	-	-					P.O. Box 1670			
							Redmond, OR 97756			
				-						

#### **DESC 58778**

Well: Pilot Butte Well #4
Customer: City of Bend, Oregon

WESTERN WATER DEVElopMENT P.O. Box 1670 REDMOND, OR 97756

**Formation Geology Description** 

Material	From	To
Sandy Loam with Boulders	0	8
Broken Dark Gray Basalt	8	26
Black Vesicular Basalt	26	43
Broken Dark Gray Basalt	43	52
Black Vesicular Basalt	52	60
Dark Gray Basalt	60	74
Black / Red Basalt	74	95
Black / Red Basalt with Cinders	95	102
Black / Red Basalt	102	116
Vesicular Basalt with Cinders	116	130
Gray Basalt	130	144
Black / Red Basalt	144	152
Red Cinders	152	163
Hard Gray Basalt	163	170
Black / Red Basalt	170	181
Hard Gray Basalt	181	196
Red Cinders	196	202
Very Hard Gray Basalt	202	222
Red Cinders	222	228
Reddish Pumice & Gravels	228	250
Brown Pumice & Gravels	250	276
Brown Pumice & Sand	276	302
Broken Dark Gray Basalt	302	355
Hard Gray Basalt	355	367
Black Red Basalt	367	377
Brown Sandstone	377	388
Broken Black / Red Basalt	388	<b>39</b> 5
Void-Cement Grout	<b>39</b> 5	405
Hard Gray Basalt Slanted	<b>40</b> 5	414
Used Explosives to Straighten Borehole		
Black with Red / Brown Basalt	414	423
Brown Sandstone	423	437
Black Sandstone with Pumice	437	451
Hard Gray Basalt	451	463
Black & Red Basalt with Cinder Beds	463	474
Broken Gray Basalt	474	492
Broken Black Basalt	492	504
Broken Black & Red Basalt & Cinders	5 <b>04</b>	524
Hard Dark Gray Basalt	524	534
Very Hard Gray Basalt	534	541
Caving, cemented back to 500 ft. 10/31		

Caving, cemented back to 495' on 11/3

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JUL 0 2 2009

WATER RESOURCES DEPT SALEM, OREGON

**OWRD** 

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#### **DESC 58778**

	Material	From	То	
Brown S	Sandstone	541	549	
Dark Gr	ay Basalt	549	578	
Black &	Red Broken Basalt	578	598	
Broken	Black Basalt	598	623	
Brown S	Sandstone with Gravel	623	655	
Dark Gr	ay Basalt	655	664	
Black &	Red Basalt	664	694	SWL 682'
Vasicula	ar with Ash Imbediments			
Broken	Gray Basalt	694	705	
Broken	Black & Red Basalt	705	715	
Redish:	Sandstone w/ Black & Red Gravels	715	743	
Broken	Black Basalt	743	755	SWL 685'
Hard Gr	ay Basalt	755	766	
Broken	Black & Red Basalt w/ Red Cinders	766	780	
Broken	Vesicular Black, Red & Brown Basalt	780	790	
Gray Ba	salt	790	813	
Red Cor	nglomerate	813	834	SWL 686.5'
Brown S	Sandstone	834	864	
Black Ba	asalt with Red Cinders	864	872	
Brown	Congl <b>ome</b> rate	872	925	
Black Ba	esalt	925	958	
(No Ret	urns from 958'-970')			
Black Ba	asalt with Red Cinder fragments			
and sea	ms of Brown Ash	958	1035	687.5
No Retu	ırns	1035	1050	
Black Ba	esalt	1050	1080	
No Retu	irns	1080	1095	
Black Ba	asalt with Cinder Imbedaments	1095	1160	
Well Seal & Backfill	Information			
Surface Grout Seal	40 yds cement grout	0	101	
Bentonite Backfill	20 Super Sacks	101	307	
Intermediate Seal	2 yds cement grout	307	335	
Bentonite Backfill	33 Super Sacks	335	660	
<b>Bottom Grout Seal</b>	2 yds cement grout	660	680	

Western Water Development P.O. Box 1670 Redmond, OR 97756

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WATER RESOURCES DEPT SALEM, OREGON

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Cancelled Nes. 105A2 10541 PILOT BUTTE STATE PARK 1 IS HUJTEM TWELFTH ELEVENTH" SEE MAP 17 12 2800 STREET HENTH THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSE ON, Y. REVISED: 03/27/2003 WESTERN WATER DEVELOPMENT P.O. Box 1670 Redmond, OR 97756 RECEIVED JUL 0 2 2009 Received SEP 3 0 2024

**OWRD** 

WATER RESOURCES DEPT SALEM, OREGON

State Well No. 181 MAY 2 2 1972 STATE OF OREGON of this report are to be STATE ENGINEER, SALEM, OREGON 97310 ENGINEER type or print)

within 30 days from the date! A I E ENGINEER type or print) SALEM. OF (Do not write above this line) (10) LOCATION OF WELL: (1) OWNER: County DESCHUTES Driller's well number P.O. BOX 431 BEND T. 185 R. SW & NE & Section Bearing and distance from section or subdivision corner (2) TYPE OF WORK (check): Reconditioning [ New Well Deepening [ If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. (4) PROPOSED USE (check): Depth at which water was first found (3) TYPE OF WELL: Static level ft. below land surface. Date Domestic | Industrial | Municipal Rotary Cable lbs. per square inch. Date Irrigation | Test Well | Other Bored 🗍 Artesian pressure Dug Diameter of well below casing 16 AND 12 ) CASING INSTALLED: (12) WELL LOG: Threaded | Welded | 43 ft. Gage 1.5 900 ft. Depth of completed well Depth drilled 637 ft. Gage .3/2 16 " Diam. from .... Formation: Describe color, texture, grain size and structure of materials; and show thickness and nature of each stratum and aquifer penetrated, ft. to \_\_\_\_ ft. Gage with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata. ) PERFORATIONS: Perforated? Yes X No. Type of perforator used ATTACHED in. by Size of perforations perforations from .. perforations from .. (7) SCREENS: Well screen installed? 

Yes No Manufacturer's Name Received Set from ..... ft. to Diam. ..... Slot size .. ... Set from .... Diam. ..... Slot size ... Drawdown is amount water level is lowered below static level (8) WELL TESTS: Was a pump test made? Yes | No If yes, by whom? STRASSET2 Yield: 1837 gal./min. with ft. drawdown after Bailer test gal./min. with ft. drawdown after Artesian flow g.p.m. Completed mperature of water 50 Depth artesian flow encountered ... Date well drilling machine moved off of well (9) CONSTRUCTION: SEE ATTACHED Drilling Machine Operator's Certification: Well seal-Material used ... This well was constructed under my direct supervision. Well sealed from land surface to \_\_\_\_\_LETTER Materials used and information reported above are true to my Diameter of well bore to bottom of seal 24 AND 20 best knowledge and belief. [Signed] Herry Ky W. Now Diameter of well bore below seal 20-16 AND 12-(Drilling Machine Operator) Number of sacks of cement used in well seal ..... Drilling Machine Operator's License No. .... Number of sacks of bentonite used in well seal 8 y 3 Coacks Brand name of bentonite ..... Water Well Contractor's Certification: Number of pounds of bentonite per 100 gallons This well was drilled under my jurisdiction and this report is of water .. Ibs./100 gals. true to the best of my knowledge and belief. Name RISTRASSER Was a drive shoe used? Yes No Plugs ..... ..... Size: location ...... ft. Did any strata contain unusable water? 🕱 Yes 🗌 No Type of water? SURFACE depth of strata Method of sealing strata off (EMENTAND CA Was well gravel packed? 

Yes No Size of gravel: Contractor's License No. 10 Date MAY Gravel placed from .....

NOTICE TO WATER WELL CONTRACTOR
The original and first copy

## R. J. Strasser Drilling Co.

8110 S. E. Sunset Lane Portland, Oregon 97206

May 6, 1972

RECEIVED MAY 2 2 1972

STATE ENGINEER SALEM. OREGON

#### Log of City of Bend well

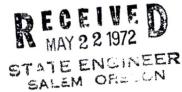
Fill	0 - 4
sand, gravel, and boulders	44 <b>-</b> 9 9 - 14
tan ash	9 - 14
sand, gravel and clay	14 - 23
sand, ash and gravel	23 - 44
black basalt	44 - 119
red and black basalt	119 - 203
red basalt, streaks of clay	203 - 224
light brown basalt	224 - 225
medium hard black basalt	225 - 271
hard black basalt	271 - 292
medium hard red and black basalt	292 - 322
	322 - 341
dark grey basalt red and black fractured basalt	341 - 382
black basalt and brown clay	382 - 385
	385 - 397
red, black and yellow rock	397 - 403
black basalt	403 - 432
black, brown and red basalt; clay seams black, brown and red basalt, tan clay	432 - 438
	438 - 443
porous black basalt	443 - 454
black basalt brown clay with broken basalt	454 - 487
yellow clay and black basalt	487 - 495
tan clay and brown and black basalt	495 - 498
black and brown basalt with brown clay	498 - 539
black basalt	539 - 566
slightly porous black basalt	566 - 595
medium hard black basalt	595 - 602
slightly porous black basalt	602 - 626
medium hard black basalt	626 - 670
porous black basalt	670 - 700
porous red and black basalt	700 - 721
hard black basalt	721 - 724
slightly porous black basalt	724 - 741
brown, red, tan and black basalt	741 - 744
brown and black basalt	744 - 777
soft porous brown basalt	777 - 783
brown and black basalt	783 - 792
porous black basalt	792 - 838
black basalt	838 - 889
black basalt with brown clay	889 - 900
DIACK DASAIC WICH STORM CIA,	

Received

SEP 3 0 2024

## R. J. Strasser Drilling Co.

8110 S. E. Sunset Lane Portland, Oregon 97206 April 29, 1972



Mr. William Mc Call, Geologist Oregon State Engineer Office Salem, Oregon 97310 OK

Dear Mr. Mc Call:

Pursuant to our telephone conversation of April 14, 1972, we are writing you this letter to record the sealing program you have accepted and we have performed on the municipal well we have recently completed for the City of Bend, Oregon. We shall submit a regular state well report, however there is no space adequate in the regular form to record this sealing proceedure.

- 1. The 16" permanent casing is sealed in the 20" diameter hole at 637 feet with 25 bags of cement.
- 2. Above the seal at the bottom of the 16" pipe we backfilled the annulus between the twenty inch hole and the sixteen inch pipe with rock cuttings from the well and crushed rock to a depth of 262 feet from the land surface. There we pumped in another 25 bags of cement grout.
- 3. The 235 feet of 20" 0.D. pipe that was used in drilling the well was removed from the well and the annulus between the open 24" hole and the 16" pipe was backfilled with rock cuttings and crushed rock to a depth of 112 feet from the surface at which depth we pumped in another 25 bags of cement grout.
- 4. The 24" 0.D. pipe was left in the well. The hole was backfilled with rock cuttings and crushed rock to 50; a depth five feet deeper than the bottom of the 24" pipe. From this depth we backfilled the well to the surface with 8 cu. yd. of 3½ sack/yard concrete, filling the annulus between the 24" and 16" casing and the voids outside the 24" pipe.

It is our feeling that this well is more than adequately sealed Received

SEP 3 0 2024

and are confident it should meet the sealing requirements of any of the numerous governmental agencies who have so recently become involved in ground water protection.

Respecfully submitted,

Robert L. Strasser, partner R. J. STRASSER DRILLING CO.

BI

Received SFP 3 0 2024

	DIGITOR CONTRACTOR OF THE PROPERTY OF THE PROP	ractor)	
Method of sealing strata off	[Signed] William D. Wil	liama	
Type of water? depth of strata	Address 3790 N.W. DAK LN	Rooms	- 4
Was a drive shoe used? A Yes □ No Plugs Size: location ft.  Did any strata contain unusable water? □ Yes 🗷 No	Name William D. William - (Person, firm or corporation)	(Type or	print)
	This well was drilled under my jurisd true to the best of my knowledge and be		s report
	Water Well Contractor's Certification:	liation 1 0 :	
Vi32ATing Casing To Agreet Bridging			
Number of sacks of cement used in well seal 4.3 sacks How was cement grout placed? GRAVITY FLOW WHILE	Drilling Machine Operator's License No.	92 / 1/	
Diameter of well bore below seal in.	[Signed] Mullian dullians	Date 3-3	19)
Diameter of well bore to bottom of seal 17 17 in.	best knowledge and belief.		
Well sealed from land surface to 706 ft.	This well was constructed under my Materials used and information reported	direct sup	ervision
Well seal-Material used PORT LAND COMENT TOPE 1411	Drilling Machine Operator's Certification	:	
(9) CONSTRUCTION:	Date well drilling machine moved off of well	1-23	19 >
perature of water 38 Depth artesian flow encountered ft.	Work started 10 - 10 19 77 Complete		19 7
Artesian flow g.p.m.	BEN TANCLAY SEAMS	445 46	2
Bailer test gal./min. with ft. drawdown after hrs.	GRAVEL BASACTIC SAME REDSISM	387 445	
" KE "	" 11 HD.	367 38	
Yield: 2000 gal./min. with 183 ft. drawdown after 17 hrs.	11, " " MOD HD.	342 36	
Was a pump test made? Yes No II yes, by whom? Cwilcz  Yield: 2000 gal./min. with 185ft. drawdown after 17 hrs.	" VESICULAR (FLOGTO	337 34	
4	" Vesicular Grants	285 32	-
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	BASALT BLK MEDTO HD	232 28	5
Diam. Slot size Set from ft. to ft.	GRAVER BIK BASALT	224 23	•
Diam. Slot size Set from ft. to ft.	11 11 BRN "	175 199	
Manufacturer's Name Model No	" REDY BLK BRKNI CHOOSES	106 175	
(7) SCREENS: Well screen installed? Yes No	is GRAY MED HO		-
	11 BRKN BLK	70 10	
perforations fromft. toft	BASALT, BLK, BRKS MED SOF		
perforations fromft. toft.	BLDRS, GRAVEL - SAND BEK	27 43	
Size of perforations in. by in.	FILL MATORIALS	+5 -5	-
Type of perforator used	MATERIAL	From To	swL
PERFORATIONS: Perforated?   Yes No.	position of Static Water Level and indicate pri		
"Diam. from	and show thickness and nature of each stratu with at least one entry for each change of forms		
18 "Diam from 0 ft. to 234 ft. Gage .375 14 "Diam from 0 ft. to 706 ft. Gage .375	Formation: Describe color, texture, grain size		
Diam. from ft. to 46 ft. Gage 13/2	Depth drilled \( \int \) ft. Depth of comp	_	00 1
CASING INSTALLED: Threaded   Welded	(12) WELL LOG: Diameter of well	below casing	10"
Dug	Artesian pressure lbs. per squa	re inch. Date	
Rotary M Driven D Domestic D Industrial Municipal M	Static level 242 ft. below land	surface. Date	3-21-
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found		
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w	vell.	
New Well ♥ Deepening □ Reconditioning □ Abandon □			
(2) TYPE OF WORK (check):	WEST OF EXISTING BEND	- ^	-
BEND OR, 97701	Bearing and distance from section or subdivis		
Name (TY OF 3,=ND) Address P.O. Box 431	77	R. /ZE	W.N
(1) OWNER:	(10) LOCATION OF WELL:  County Descripted Driller's well n	h a n	
	SALEM OPECHI		
of well completion. (Do not write abo	ove this MATER RESOURCES DEPT		
within 30 days from the date	State Permit N	• .	
WATER RESOURCES DEPARTMENT. DE STATE OF (SALEM, OREGON 97310 within 30 days from the date	or print)		

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the

PAGE WATER WELL REPORT LIVED

WATER RESOURCES DEPARTMENT, SALEM, OREGON 97310 within 30 days from the date of well completion.

STATE OF OREGON (Please type or print)

APP 4.1978 State Well No.

(Do not write above this line) DESOURCE State Permit No.

	CALEN OFECUL
(1) OWNER:	(10) LOCATION OF WELL:
Name City OF BEND	County Driller's well number
Address D. D. B. D. 43/	1/4 1/4 Section T. R. W.M.
BEND DR 97701	Bearing and distance from section or subdivision corner
(2) TYPE OF WORK (check):	The state of the s
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐	
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed well.
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Death of all a line and a line an
Rotary   Driven   Domestic   Industrial   Municipal	Static level ft. below land surface. Date
Cable	
	Artesian pressure lbs. per square inch. Date
CASING INSTALLED: Threaded   Welded	(12) WELL LOG: Diameter of well below casing
" Diam. from ft. to ft. Gage	Depth drilled ft. Depth of completed well ft.
"Diam from ft. Gage ft. Company ft. Gage ft. Company ft. Gage	Formation: Describe color, texture, grain size and structure of materials;
" Diam. from ft. to ft. Gage	and show thickness and nature of each stratum and aquifer penetrated, with at least one entry for each change of formation. Report each change in
**PERFORATIONS: Perforated?	position of Static Water Level and indicate principal water-bearing strata.
Type of perforator used	MATERIAL From To SWL
Size of perforations in. by in.	BASAUT BLKABRA SOME VESICHUSR 45 CORIACEOUS
perforations from ft. to ft.	ZONES W/RED- BRN COLOR 462 687
perforations fromft. toft.	BASALT, BLK, VESICALAR & SCURIACEOUS
perforations from ft. to ft.	CAVING W/B 687 706 485
(7) SCREENS: Well screen installed?  Yes No	CASING SET + ALL STARTAS ARDIS
Manufacturer's Name	BASALT BLK HD. 707722
Type Model No.	BASALT BLK HD. 707722
Diam Slot size Set from ft. to ft.	" " "
Diam. Slot size ft. ft. to ft.	11 1 Supt. 727 728
(8) WELL TESTS. Drawdown is amount water level is	" GRAY BRN, RED-BRN VESIGHLIAR TO SCOR-
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	1ACEOUS W/B. 728 165
Was a pump test made? ☐ Yes ☐ No If yes, by whom?	BASALT, HD BLK 765 771
Yield: gal./min. with ft. drawdown after hrs.	11 DR GRAY BLIK VESICHAR TO SCORINGEOUS
и и и	W 18. 771 791 242
" " " "	BASALT, GRAY + BLX PORPHYRITIC 79, 793
Bailer test gal./min. with ft. drawdown after hrs.	1
Artesian flow g.p.m.	" " Siej 799 800
erature of water Depth artesian flow encountered ft.	Work started 19 Completed 19
(9) CONSTRUCTION:	Date well drilling machine moved off of well 19
	Drilling Machine Operator's Certification:
Well seal—Material used	This well was constructed under my direct supervision.
Well sealed from land surface to	Materials used and information reported above are true to my best knowledge and belief.
Diameter of well bore below seal  Number of sacks of cement used in well seal  sacks	[Signed] Date, 19
How was cement grout placed? SFP 3 0 2024	Drilling Machine Operator's License No.
5FP 3 U ZUZ4	Water Well Contractor's Certification:
OWER	in the second
OWRD	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Was a drive shoe used?  Yes  No Plugs Size: location ft.	Name (Person, firm or corporation) (Type or print)
Did any strata contain unusable water?   Yes No	
Type of water? depth of strata	Address
Method of sealing strata off	[Signed](Water Well Contractor)
Was well gravel packed?   Yes   No Size of gravel:	
Gravel placed from ft. to ft.	Contractor's License No

and the state of t	
im.	្រុក ខ្លាប់ ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខេត្ត ខែការ ខេត្ត ខាង ខេត្ត ខាង ខេត្ត ខាង ខេត្ត ខេត ខេត្ត ខេត ខេត្ត ខេត ខេត្ត ខេត ខេត្ត ខ
The contract of the contract o	Sill.
€.	The reason this log is so late being filed is because
2	I was waiting for Ised Roberts to correlate the & log to
-	The peason this log is so late being filed in because I was waiting for I sed Roberts to correlate the & log to the physical log & I just secred the peacete.
	Simula
194 <b>0</b>	Sincerely W. J. Williams
5,44	
	Received
N. J	SEP 3 0 2024
5	OWRD

E TO WATER WELL CONTRACTOR The original and first copy DESC

of this report are to be filed with the STATE ENGINEER, SALEM, OREGON 97310 50 within 30 days from the date of well completion.

WATER RESOURCES DEPT 30 1974 State Permit No.

(Do not Wite Above this line) DEPT 30 1974 No.

(Do not Wite Above this line) DEPT 30 1974 No.

(Do not Wite Above this line) DEPT 30 1974 No.

(Do not Wite Above this line) DEPT 30 1974 No.

185/12E-16bc

(1) OWNER:	(10) LOCATION OF WELL:			
Name J.L. Ward Construction Co.	County Deschutes Driller's well no	umber		
Address 61045 Brosterhous Rd.	SW 34 NW 34 Section 16 T. 18S	R. 12H	3	W.M.
Ben 97702	Bearing and distance from section or subdivisi			
(2) TYPE OF WORK (check):	2,000' South of NW Corner of			
New Well 🖔 Deepening 🗌 Reconditioning 🖂 Abandon 🖂				
If abandonment, describe material and procedure in Item 12.	(11) WATER LEVEL: Completed w			•
(3) TYPE OF WELL: (4) PROPOSED USE (check):				
	Depth at which water was first found 335			ft.
Cable A Jetted D Domestic A industrial Municipal	Static level 335 #t. below land s	surface. I	ate	
Dug ☐ Bored ☐ Irrigation ☐ Test Well ☐ Other ☐	Artesian pressure lbs. per squar	e inch. I	)ate	
CASING INSTALLED: Threaded Welded	(19) WEIT LOC.		16	11
12 " Diam. from ±2 ft. to -410 ft. Gage .250	(12) WELL LOG: Diameter of well	oelow casi	ng LO	
"Diam from ft. to ft. Gage	Depth drilled 417 ft. Depth of compl	eted well	410	ft,
" Diam. fromft. toft. Gage	Formation: Describe color, texture, grain size	and struc	ture of	materials
	and show thickness and nature of each strate with at least one entry for each change of forms			
PERFORATIONS: Perforated? Z Yes  No.	position of Static Water Level and indicate pri			
Type of perforator used Torch	MATERIAL	From	To	SWL
Size of perforations 1/4 in. by 6 in.	Sandy Soil	0	4	-
500 perforations from 330 ft. to 410 ft.	Gray Lave	4	28	
perforations fromft. toft.	Lava Chunks	28	34	-
perforations fromft. toft.	Red Cinders	34	49	<del>                                     </del>
	Lava Chunks	49	56	<del> </del>
(7) SCREENS: Well screen installed?   Yes 1 No	Conglomerate tan	56	89	<del>                                     </del>
Manufacturer's Name	Gray Pumice	89	112	1
Type Model No.	Black Lava	112	137	1
Diam. Slot size Set from ft. to ft.	- Lava Chunks	137	162	
Diam Slot size Set from ft. to ft.	Red Cinders	162	166	1
(8) WELL TESTS: Drawdown is amount water level is	Black Cinders	166	172	
lowered below static level	Lava Black	172	191	
Was a pump test made?   Yes □ No If yes, by whom? Ward	Conglomerate	191	221	
gal./min. with ft. drawdown after hrs.	Lava Gray	221	253	
See Attached Letter " "	Red Cinders	253	271	
" " "	Lava Chunks	271	306	
Bailer test gal./min. with ft. drawdown after hrs.	Gray Basalt	306	319	
Artesian flow None g.p.m.	Gray Lava	319	336	335
erature of water 52 Depth artesian flow encountered	(Continued Below)	200	-	
erature of water 52 Depth artesian now encountered	Work started 4/18 19/4 Complete		6/26	19 7
(9) CONSTRUCTION:	Date well drilling machine moved off of well		6/28	19 7
Well seal-Material used Portland Cement Grout	Drilling Machine Operator's Certification:			
Well sealed from land surface to50ft.	This well was constructed under my Materials used and information reported	above a	re true	to my
Diameter of well bore to bottom of seal .18 in.	best knowledge and belief.			
Diameter of well bore below seal16-18 in.	[Signed] (Orilling Machine Operator)	Date		., 19
Number of sacks of cement used in well seal sacks	Drilling Machine Operator's License No.			
Number of sacks of bentonite used in well sealNone sacks	Drining Machine Operator's Excense 140.		************	
Brand name of bentoniteNA	Water Well Contractor's Certification:			
Number of pounds of bentonite per 100 gallons	This well was drilled under my jurisd	iction and	d this r	eport is
of water lbs./100 gals.	true to the best of my knowledge and bel	ief.		
Was a drive shoe used? ☐ Yes X No Plugs Size: location ft.	Name Jan L. Ward (Person, firm or corporation)		e or prin	-43
Did any strata contain unusable water?   Yes   No	610/5 Prostant	d Pos	e or prin	11)
Type of water? depth of strata	Address 01045 Brosternous Roa	- Deno	y Vr	EROH
Method of sealing strata off	[Signed]	************		
Was well gravel packed? ★ Yes □ No Size of gravel: 1/4-1/2	(Water Well Contr	_ [3]		
Gravel placed from 50 ft. to 410 ft.	Contractor's License No. Receive	U	***********	, 19
	HEETS IF NECESSARY)	12%	ST	2*45658-119
	Cap 3 0 5	024		

ne original and mist copy of this report are to be filed with the

OWNER:

WATER WDESC

5613

E ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.

(Please type (Do not write abo

7

	Manie	rd Construction Ge. (	Receive	3		
	(a) STIPE OF WORK	(-11-)·				
	(2) TYPE OF WORK		SEP 3.0 20	74		
	New Well [ Deepening [		JL.			
	If abandonment, describe mate	rial and procedure in Item 12.	OMPD			
^	(3) TYPE OF WELL:	(4) PROPOSED USE (check):	OWRD			
۵	Rotary   Driven	Domestic [ Industrial   Municipal				
3	Cable	Irrigation  Test Well  Other	•			
りから	Diam. from	# to 410	Formation: Describe color, texture, grain size and show thickness and nature of each strat with at least one entry for each change of form position of Static Water Level and indicate pr	um and a ation. Rep	quifer pe	enetrated, change in
	(6) PERFORATIONS:	Perforated? Yes No.				
	Type of perforator used Torc	,	MATERIAL	From	То	SWL
	Size of perforations	in. by in.				
	500 perforations fr	om 330 rt. to 410 rt.	Red Cinders	336	347	
	perforations fr	om ft. to ft.	Cemented Gravel	347	352	
	perforations fr	om ft. to ft.	Sed Cinders	357	357	
	(E) COPPENC.		Gray Lave	357	387	
		ll screen installed? [] Yes 4 No	Red Ciniers	387	7.17	
,	> enufacturer's Name				<u> </u>	
,	, ,	Model No.				
		_ Set from ft. to ft.				
	Diam. Slot size	Set from ft. to ft.				
	(8) WELL TESTS:	Drawdown is amount water level is lowered below static level	RECEIVED			
	Was a pump test made? Ye	s   No If yes, by whom; Ward	DEC 1 4 2000			
	Yield: gal./min.	with ft. drawdown after hrs.				
	" See Attached La	tter	WATER RECOURSES			
	,		WATER RESOURCES DEPT. SALEM, OREGON	-		
	Bailer test gal./mi	n. with ft. drawdown after hrs.	- TEMPLE OF THE CONTROL OF THE CONTR	4		
	Artesian flow None				-	<u> </u>
		g.p.m.	1400			
	Temperature of water Ja- De	pth artesian flow encountered ft.	Work started 4/18 194 Comple	ted	1/2	19 -
	(9) CONSTRUCTION:	and in the same of	Date well drilling machine moved off of well		6/23	19 7
	Well seal—Material used Well sealed from land surface Diameter of well bore to botto	to	Drilling Machine Operator's Certification This well was constructed under m Materials used and information reported best knowledge and belief.	y direct d above	are tru	e to my
	Diameter of well bore below		[Signed](Drilling Machine Operator)	. Date		, 19
	Number of sacks of cement us		Drilling Machine Operator's License No.			
	Number of sacks of bentonite	used in well sealsacks				
	Brand name of bentonite		Water Well Contractor's Certification:			
	Number of pounds of bentonit	e per 100 gallons lbs./100 gals.	This well was drilled under my juris		nd this	report is
		No Plugs Size: location ft.	true to the best of my knowledge and b	ener.		
. 1	any strata contain unusab	1.	Name Jan Ward (Person, firm or corporation)	T)	ype or pr	int)
. 6.	Type of water?	depth of strata	Address 61045 Brosterhous Re			
:	Method of sealing strata off		1/6/- 1	,		
1		es [] No Size of gravel: 1/4-1/2	[Signed] (Water Well Cor	tractor)		
30		170		•		
	Gravel placed from 50	IL W IL	Contractor's License No Date _			
		(USE ADDITIONAL BE	HEETS IF NECESSARY)		<b>5</b> 8	P*45656-119



# RECEIVED

WATER RESOURCES DEPT.
SALEM. OREGON

Received
SEP 3 0 2024
OWRD

July 13, 1978

Water Resources Department of Oregon State 555 13th N.E. Salem, Oregon 97310

Gentlemen:

Enclosed please find a completed well log for a well that was drilled in May and June of 1974.

The drilling was done with tools and machines belonging to Ward Construction Company and operated by Lawrence Kowaleski of Madras, Oregon .

The drilling was completed in late June 1974; the casing was installed and the seal was installed and the well completed on September 24, 1974.

An 8" Lineshaft Turbine Pump was installed in the summer of 1977 and the well as tested for a period of 30 days at a flow of 1500 Gallons Per Minute. There was no apparent draw down in the two adjacent wells before, during or after the test period.

The tardiness of this well log was due to my misunderstanding of who was to make the filing.

If there is any additional information required, please advise.

Ward Construction Company

la 1

Jan L. Ward President

JW/mc

Enclosures

fax dobord 8611336

NOTICE TO WATER WELL CONTRACTOR SC 3 of this report are to be filed with the

## FIGURE OF OREGON E CEIVED Well No. 185 12E

STATE ENGINEER, SALEM, OREGON WITHIN 30 days of well completion.

DEC 1919 not write above this line)
WATER RESOURCES DEPT

NOV 291977 State Permit No. Received

THE ALLEGES SPIT	WAILA RESOURCES DEPT	-		
(1) OWNER: WATER RESOURCES DEPT.	(10) LOGATEUN OFECCELE:	CED	20 20	124
Name M. R. S. Inc. SALEM, OREGON	County Deschutes Driller's well n	SEP	30 20	37 1
AddressRed Oaks Square-Bend, Oreg. 97701	-			-
Addressed and Square - Delice, VIER, 9/101	NW 1/2NW 1/2 Section 7 T. 18		WRE	W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis	ion corne	er	
New Well ■ Deepening □ Reconditioning □ Abandon □  If abandonment, describe material and procedure in Item 12.				
	(11) WATER LEVEL: Completed v	vell.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found			ft.
Rotary Driven Domestic M. Industrial Municipal Domestic D. Industrial D. Industr	Static level 277 ft. below land	surface.	Date //	-26-77
Dug	Artesian pressure lbs. per squa	re inch.	Date	
CASING INSTALLED: Threaded Welded	(10) 77777 7 0 0			
Threaded Welded	(12) WELL LOG: Diameter of well	below ca	sing	)
"Diam from ft. to ft. Gage	Depth drilled 331 ft. Depth of comp	leted wel	ц <i>З/</i>	O ft.
"Diam. from ft. to s ft. Gage	Formation: Describe color, texture, grain size	and struc	cture of	materials;
Diani, Honi	and show thickness and nature of each stratu with at least one entry for each change of forms	m and a	quifer p	enetrated,
PERFORATIONS: Perforated?  Yes No.	position of Static Water Level and indicate prin			
Type of perforator used	MATERIAL	From	То	SWL
Size of perforations in. by in.	Sand & Pumice	h	-	
	Clay & Sediments-brown	5	7	-
perforations fromft. toft.	Black ava	7	1	
perforations fromft. toft.	Pumice-brown	10	10	
perforations from ft. to ft.	White Pumice	10	27	
(7) SCREENS: Well screen installed?   Yes No	Black clay & sediments	27	48	
Manufacturer's Name	Sediments	48	105	-
Type Model No.		105	156	
Diam Slot size Set from ft. to ft.	Cinders-red Brown lava	156	176	
Diam. Slot size Set from ft. to ft.		176	186	
	Grey lava-frac. Sediments	186	209	
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	Lava-brown	209	221	<del>-</del>
		221	231	
Was a pump test made?  Yes No If yes, by whom?	Clay & sediments	231	249	
gal./min. with ft. drawdown after hrs.	Sediments-cinders	249	268	
<i>H</i>	Grey lava-dense	268	306	4
" " " "	Sediments & water	306	331	277
Baller test 30 gal./min. with 15 ft. drawdown after / hrs.		-	_	
Artesian flow g.p.m.				
perature of water5/ Depth artesian flow encounteredft.	Work started Nov 16 1977 Complet	Mos	- 06	10 777
				19 77
(9) CONSTRUCTION:	Date well draining machine moved out of well	Nov.	20	19 77
Well seal-Material used Bentawite SLURRY & Sand	Drilling Machine Operator's Certification:			
Well sealed from land surface to 80 f7. ft.	This well was constructed under my Materials used and information reported	direct	super	vision.
Diameter of well bore to bottom of sealin.	best knowledge and belief	above	are uru	s to itth
Diameter of well bore below seal	[Signed] (Drilling Machine Operator)	Date 1	1-27	1977
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)	/		.,
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No.	130	<u> </u>	W
Brand name of bentonite VOIC/aV	Water Well Continue to b C 118			
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			
of water One #4 ndred (100) lbs./100 gals.	This well was drilled under my jurisdi true to the best of my knowledge and bel	ction an	d this r	report is
Was a drive shoe used?  Yes No Plugs Size: location ft_	Name Reed's Well Drilling			
Did any strata contain unusable water?   Yes No	(Person, firm or corporation)	(Ty	pe or pri	nt)
Type of water? depth of strata	Address 20219 Meadow Lane-Be		rego 977	
Method of sealing strata off	Could live		977	0.1
Was well gravel packed? ☐ Yes No Size of gravel:	[Signed] (Water Well Contr	actor)		************************
Gravel placed from ft. to ft.	Contractor's License No. 443 Date No.		7	77
It. 10	Date Date	V . C.		_, 19

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be 31 20 11 filed with the

#### WATER WELL REPORT TO LEVED

APR 171

STATE ENGINEER, SALEM, OREGON 97510 COIVED within 30 days from the date

STATE OF OREGON (Please type or print) WATER RESOUR

	10-1-
StareQwell No.	8917E-76
010	
GISPERID No.	***************************************

or well completion. (Do not write al	SALEM, CREGON	,	***********	***************************************
(1) OWNER:	(10) LOCATION OF WELL:			1.13
Name K. R. C. Tro. OWRD	County Deschittes Driller's well			in the
Address ed Vaks Square Bend, Orem 07701	IN K. K Section 7 T. 18		Legal Con-	de se
	The Contract of the Contract o	the same of the same .	100	W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivis			
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐	大学の大学の大学の大学を表示しています。 本表表のように、他の主義を表示していません。	Kara San	- 1	
If abandonment, describe material and procedure in Item 12.		No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street,	-	
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(11) WATER LEVEL: Completed a	vell.		
Rotary Driven D Domestic Dindustrial D Municipal D	Static level 4 helow land	2.20	The last of the la	4 Y 2
Dug Bored I Irrigation Test Well Other	Artesian pressure lbs. per squa	re inch	Date	1
CASING INSTALLED: Threaded   Welded   Welded   The to   The Gage   250	(12) WELL LOG	- Mary 1997		
" Dlam from ft to ft Gage "Dlam from ft to ft Gage "Dlam from ft to ft Gage	Depth drilled 77 ft. Depth of com	leted wel	1.3/	/)n.
DEDECOD A MICONIC.	Formation: Describe color, texture, grain size and show thickness and nature of each stratu with at least one entry for each change of forms	m and a	quifer p	enetrated,
	position of Static Water Level and indicate pri	rcipal wa	ter-beari	ng strata.
The state of the s	MATERIAL 2	Trom .	To	SWL
III. O	Sand & Pumice	ф ? ::	2	220
perforations fromft. toft.	Clay & Sediments-brown	<b>p</b>	7	*
perforations from ft. to ft.	Dlack - ave	7	10	100
perforations fromft. toft.	Pumloe=brown	10	27	
(7) SCREENS: Well screen installed?   Yes I No	Inite Pumice	17 -	48	100
Manufacturer's Name	Dack clay & sediments	48	105	12/38
	Sedimente // series	05	155	A
Diam. Slot size Set from ft. to ft.	Ginders-red	156	176	100
Diam Class of the Control of the Con	Brown lava	176	186	1 2 2
Diam. Slot size Set from ft. to ft.	Grev lava-frac.	186	20.9	
(8) WELL TESTS: Drawdown is amount water level is	Sediments	209	221	200,000
lowered below static level	Lava-brown	221	231	•
Was a pump test made?   Yes No If yes, by whom?	Clay & sediments	731	249	11:00 -
d: gal./min. with ft. drawdown after hrs.	Sediments-cinders	749	268	1
	Grey Lava-dense	268	306	17.50
· Control of the cont	Sediments & water	106	331	277
Bailer test 20 gal./min. with /5 ft. drawdown after / hrs.	The second secon		€	10.49
	THE STREET STREET, STR	F 1480	en74	
	AND THE PROPERTY OF THE PROPER			
perature of water / Depth artesian flow encounteredtt.	Work started NOV 15 1977 Complet	ed LOV	26	1977
(9) CONSTRUCTION:	Date well drilling machine moved off of well	Nov.	26.	1977
Well seal—Material used BENTONITE SINRRUS	Drilling Machine Operator's Certification:	A	To the same	
Well sealed from land surface to Q/1/7 tt.	This well was constructed under my	direct	super	vision.
Diameter of well bore to bottom of seal 10 in.	Materials used and information reported best knowledge and belief.	above	are tru	to my
Diameter of well bore below seal 6 tn.		- 11	- 27	77
Number of sacks of cement used in well sealsacks	[Signed] (Drilling Machine Operator)	Date		US
Number of sacks of bentonite used in well seal 3 sacks	Drilling Machine Operator's License No.	THE CONTRACTOR		
Brand name of bentonite 10/0/3/	The Maria Control of the Control of	Strate 1		+ %
Number of pounds of bentonite per 100 gallons	Water Well Contractor's Certification:			1.
of water One His 100 gals.	This well was drilled under my jurisd		d this	eport is
Was a drive shoe used? Yes No Plugs Size: location	arde to the best of my knowledge and beneft,			
Did any strata contain unusable water?   Yes No	Name Reed 5 rell Dylll III.  (Person, firm or corporation) (Type or print)			
Type of water? depth of strata	Address 20219 Maadow Lane-De	The same of the same	remon	0
Wathad as maller and to the St.	277777 13	e Ly	977	Mour.
	[Signed]	E ALL SE	400	
Was well gravel packed?  Yes No Size of gravel:	(Water Well Cont	ractor)	-	7
Gravel placed fromft. toft.	Contractor's License No. Date	* * * * [		, 19[1

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON 97910 STATE engineer, salem, or date of well completion.

WATER WELL REPORT
STATE OF OBEGON
STATE WELL No. 185

(Please type or print) DP 171978

State Permit No. .

	THATER RECOURCES DEPT
(1) OWNER:	(10) LOCATION OF WELL:
Name M, R, 5, CO.	County Deschutes Driller's well number
Address RED OAK SOUNKE - BEND, OLD	. W.W. N.W. Section 7 T. 18 R. 12-6 W.M.
(2) TYPE OF WORK (check):	Bearing and distance from section or subdivision corner
W-11	
New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐ If abandonment, describe material and procedure in Item 12.	
	(11) WATER LEVEL: Completed well,
(3) TYPE OF WELL: (4) PROPOSED USE (check):	Depth at which water was first found 306 ft.
Rotary Driven Domestic Dindustrial Municipal 🛚	Static level 254 ft. below land surface. Date 3-4-78
Dug 🗍 Bored 🗋   Irrigation 🗎 Test Well 🗌 Other 🗎	Artesian pressure lbs. per square inch. Date
CASING INSTALLED: Threaded Welded Union Diam. from 7.2 ft. to 5.8 ft. Gage 7.0 Diam. from ft. to ft. Gage 7.0 Diam. ft.	(12) WELL LOG: Diameter of well below casing
PERFORATIONS: Perforated?   Yes 'No.	with at least one entry for each change of formation. Report each change in position of Static Water Level and indicate principal water-bearing strata.
Type of perforator used	MATERIAL From To SWL
Size of perforations in. by in.	REAMED 6" WELL O' TO SET
perforations from ft. to ft.	15"- INSTACED 60'0F 1011 CASSING
perforations from	SEALD SAME WITH 75BCK MIX
perforations from	SEMBUT GROOT, LK, VAKOS
(7) SCREENS: Well screen installed?   Var   El No	3/
(1) SCREENS: Well screen installed?   Wes No Manufacturer's Name	KEAMED FROM 58- TO 311- WITH
TypeModel No	TENINGS REAMER-COMPLETE
Diam. Slot size Set from ft. to ft.	DEPT 311 - WE ALTEST
Diam. Slot size Set from ft. to ft.	PEKNIN 3145 AT 1087 CAC.
	Received
(8) WELL TESTS: Drawdown is amount water level is lowered below static level	110001100
Was a pump test made? XYes \( \subseteq \) No If yes, by whom?	SEP 3 0 2024
Yield: 1087 gal./min. with /3 ft. drawdown after 3 hrs.	
" " " " " " " " " " " " " " " " " " " "	OWRD
H H H	O WORLD A
Bailer toot	
mrs.	<u> </u>
perature of water 6 / Bepth artesian flow encountered	12 21
	Work started /2 - 2/ 1977 Completed 3-25 19 20
(9) CONSTRUCTION:	Date well drilling machine moved off of well 3 - 27 19 18
Well seal-Material used CLEMENT GROOT	Drilling Machine Operator's Certification:
Well sealed from land surface to 52 ft.	This well was constructed under my direct supervision.
Diameter of well bore to bottom of sealin.	Materials used and information reported above are true to my best knowledge and belief
Diameter of well bore below seal in.	[Signed] William Sour Data 3-27 10 D
Number of sacks of cement used in well seal sacks	(Drilling Machine Operator)
Number of sacks of bentonite used in well seal sacks	Drilling Machine Operator's License No. 400
Brand name of bentonite	Water Well Contractor's Certification:
Number of pounds of bentonite per 100 gallons	
of water lbs./100 gals.	This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
Was a drive shoe used?  Yes No Plugs Size: location ft.	Name DONER DKINING CO.
Did any strata contain unusable water?   Yes No	(Person, firm or corporation) (Type or print)
Type of water? depth of strata	Address 20379 1 CLANEE, 1) NO. BLEVE
Method of sealing strata off	[Signed] William & Orus
Was well gravel packed? ☐ Yes No Size of gravel:	(Water Well Contractor)
Gravel placed from ft. to ft.	Contractor's License No. 634 Date 3-27 , 1978
ANNUA AND AND AND AND AND AND AND AND AND AN	

A & H Pump Service
710 "F" AVENUE
TERREBONNE, OREGON 97760

**JACK ABBAS** 548-5753

**ROLLIN HEATER** 548-4622

Received

SEP 3 0 2024

**OWRD** 

1. 0 -	
Owner's Name: MRS Company	Date: 2-28-781.0.
Well Location: 6 GORDAN RANDALL	
	WELL TEST DATA SHEET
Bend	Test by: TACK Sheet

	c	rifice	Dia6	Inches				I	Depth of Water Measured by:
	F	low Tu	ube (I.D.)	K''_Inches			<b>1</b> 1		ne, Length in Feet:
				Set at 245	Feet				
				11 000					onic Probe
						_		3. Other	Method, (Describe):
		tatic v	Vater Level:	920	Feet		_		
		ime	To Water	Head	Flow		Eı	ngine	Pomedia
F 6.5	Hr_	Min	Depth ft	Inches	G.P.M.		R.	P.M.	Remarks
33 MG	11:0		260'	11			-		STARTED pumping
7912	11:4		262'	19"	690		-		ONE Engine clearing we
	11:5	0	262	19"	690				
25	12:10		267'	4811	1067				BOTH EngiNES STARTED
4 5	12:2	5	267'	48"	1067				cleaned up about 5 min
7:	12:33	-	267'	48"	1067				
houx			SToppe	d pum	pina				
	3:05	-	267'	4911	1078				STARTAL THE CONTRACTOR
7;	3.30		267'	49 "	1078				cleared up 5 minutes
A A	4:05		267'	11911	10 78				Created Up 3 MINUTES
1 3			267'	49"	1078	-			
201203	4:35		START	ed syr	ging	w	e 11	.Su	rged The well Three
3 7			Times		cleared		1		/ Mingre STATIC
1. 4			WATER	Level	evas				70 256 FT / MINYTE
53			ACTER	Stopping	Pamp		1	tin	
× 15.	5:00	-	267'	49 "	1078				Stopped pumping
*									•
m,			70/1	1- 671	nping	_	Tim	. 3	hes 20 min
5	jlh 9	.77	de	A CONTRACT OF THE PARTY OF THE					

11639

#### Part 5 of 5 – Water Right Information



#### **CERTIFICATE # 68702**

Description o	f Water I	Delivery	System
---------------	-----------	----------	--------

System capacity:	8.82 cubic feet per second (cfs) (0.9 cfs under this Certificate 68702) OR
	gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. Water is currently pumped from two wells using line shaft turbine pumps and conveyed to the City of Bend's service area through a system of closed pipes.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?  If POA, OWRD Well Log ID# (or Well ID Twp Rng Sec Tag # L)		1/4	%	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)					
River Well 1	<ul><li>✓ Authorized</li><li>✓ Proposed</li></ul>	DESC 5577	18	s	12	E	5	SW	NW	1100	South 58 degrees, 4 minutes, 1 second East, 3007.14 feet from NW corner of the NENE of Section 6
River Well 2	Authorized Proposed	DESC 5578	18	S	12	E	5	sw	NW	0900	1420 feet South and 950 feet East from the NW corner of Section 5*
Pilot Butte 3	☐ Authorized ☐ Proposed	DESC 52907	17	s	12	Е	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	s	11	E	34	sw	SE	6202	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	S	11	E	34	sw	SE	6202	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34
Outback 8	Authorized Proposed	N/A	17	s	11	E	34	sw	SE	6202	85 feet North and 2,140 feet East from the SW corner of Section 34
Outback 9	Authorized Proposed	N/A	17	s	11	Ε	34	sw	SE	6202	740 feet North and 2,925 feet East from the SW corner of Section 34

<sup>\*</sup>The location description provided for River Well 2 is from Certificate #85415. The location of River Well 2 is more accurately described in that certificate.



#### **CERTIFICATE #85411**

#### **Description of Water Delivery System**

System capacity: 1.56 cubic feet per second (cfs) (1.51 cfs under Certificate 85411) OR \_\_\_\_ gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. Water is pumped from the well using a 150 Horsepower submersible pump and the water is conveyed in enclosed water lines for distribution throughout the City's service area.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Tı	wp	R	ng	Sec	1/4	1/4	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Westwood Well	Authorized Proposed	DESC 5585 / DESC 5586	18	S	12	E	7	NW	NW	3601	South 11 degrees 18 minutes 36 seconds East, 485.52 feet from NW Corner of Section 7
Pilot Butte 3	Authorized Proposed	DESC 52907	17	s	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	s	11	E	34	sw	SE	6202	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	s	11	E	34	sw	SE	6202	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34
Outback 8	☐ Authorized ☐ Proposed	N/A	17	s	11	Ε	34	sw	SE	6202	85 feet North and 2,140 feet East from the SW corner of Section 34
Outback 9	Authorized Proposed	N/A	17	s	11	E	34	sw	SE	6202	740 feet North and 2,925 feet East from the SW corner of Section 34

Check a	II type(s) of change(s) proposed below (ch	ange '	"CODES" are provided in parentheses):
	Place of Use (POU)		Supplemental Use to Primary Use (S to P)
	Character of Use (USE)		Point of Appropriation/Well (POA)
	Point of Diversion (POD)	$\boxtimes$	Additional Point of Appropriation (APOA)
	Additional Point of Diversion (APOD)		Substitution (SUB)
5.8	Surface Water POD to Ground Water POA (SW/GW)		Government Action POD (GOV)  Received

Permanent Transfer Application Form - Page 11 of 22

Will all of the proposed changes affect the entire water right?



#### Received

#### **CERTIFICATE #85415**

SEP 3 0 2024

**Description of Water Delivery System** 

OWRD System capacity: 8.82 cubic feet per second (cfs) (2.7 cfs under this Certificate) OR \_\_\_\_\_ gallons per minute (gpm) Describe the current water delivery system or the system that was in place at some time within the last

five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. Water is currently pumped from two wells using line shaft turbine pumps and conveyed to the City of Bend's service area through a system of closed pipes.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Tv	wp	R	ng	Sec	3/4	% %		Tax Lot, DLC or Gov't Lot		Measured Distances (from a recognized survey corner)
River Well 1		DESC 5577	18	S	12	E	5	SW	NW	1100	South 58 degrees, 4 minutes, 1 second East, 3007.14 feet from NW corner of the NENE of Section 6		
River Well 2	Authorized Proposed	DESC 5578	18	s	12	E	5	sw	NW	900	1420 feet South and 950 feet East from the NW corner of Section 5		
Pilot Butte 3	☐ Authorized ☐ Proposed	DESC 52907	17	s	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33		
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	s	11	E	34	sw	SE	6202	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34		
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	s	11	E	34	sw	SE	6202	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corner of SE 1/4 of section 34		
Outback 8	☐ Authorized ☐ Proposed	N/A	17	s	11	E	34	sw	SE	6202	85 feet North and 2,140 feet East from the SW corner of Section 34		
Outback 9	Authorized Proposed	N/A	17	s	11	E	34	sw	SE	6202	740 feet North and 2,925 feet East from the SW corner of Section 34		

tback 9	☐ Authorized ☐ Proposed	N/A	17	S	11	E	34	sw	SE	6202	feet East from the scorner of Section 3	sw
Check a	II type(s) of cha	ange(s) prop	osed	belo	ow (d	han	ge "C(	DDES"	are pi	rovided	l in parentheses):	
	Place of Use (	POU)					Su	ıpplen	nental	Use to	Primary Use (S to	P)
	Character of U	Jse (USE)					Po	oint of	Appro	priatio	n/Well (POA)	
	Point of Diver	sion (POD)					Ac     Ac     Ac     Ac     Ac     Ac     Ac     C     C     Ac     C    C    C    C	dditior	nal Poi	nt of A	ppropriation (APC	)A)
Revised 7/	Additional Po	int of Diversi Permanent				tion		ubstitu Page 15		SUB)		7



Received

SEP 3 0 2024

#### **CERTIFICATE # 94101**

# Description of Water Delivery System System capacity: 6.63 cubic feet per second (cfs) (0.94 cfs under this right) OR gallons per minute (gpm) Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey,

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. Water is currently pumped from three wells using line shaft turbine pumps and a submersible pump. Water is conveyed in enclosed pipelines throughout City of Bend service area.

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

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	Tv	vp	Rı	ng	Sec	1/4	1/4	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Westwood		DESC 5585 / DESC 5586	18	s	12	E	7	NW	NW	3601	South 11 degrees 18 minutes 36 seconds East, 485.52 feet from NW Corner of Section 7
Pilot Butte 4		DESC 58778	17	s	12	Ε	33	NE	NE	101	South 20 degrees, 6 minutes 13.3 seconds West, 1175 feet from the NE Corner of Section 33
Shiloh Well 3		DESC 5613	18	s	12	E	16	sw	NW		South 1 degree, 39 minutes, 8 seconds East, 2133 feet from the NW Corner of Section 16
Pilot Butte 3	☐ Authorized ☐ Proposed	DESC 52907	17	s	12	E	33	NE	NE	101	145 Feet North and 650 Feet East from the SW Corner, NENE, section 33
Outback 5	☐ Authorized ☐ Proposed	DESC 56371	17	s	11	Ε	34	sw	SE	6202	North 38 Degrees 50 minutes 59 seconds West, 241.7 feet from SW Corner of SE 1/4 of section 34
Outback 6	☐ Authorized ☐ Proposed	DESC 56449	17	s	11	E	34	sw	SE	6202	North 45 Degrees 11 minutes 27 seconds West, 458.7 Feet from SW Corne of SE 1/4 of section 34
Outback 8	☐ Authorized ☐ Proposed	N/A	17	s	11	E	34	sw	SE	6202	85 feet North and 2,140 feet East from the SW corner of Section 34
Outback 9	☐ Authorized ☐ Proposed	N/A	17	s	11	E	34	sw	SE	6202	740 feet North and 2,925 feet East from the SW corner of Section 34

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