

Application for Permanent Water Right Transfer

Part 1 of 5 – Minimum Requirements Checklist



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

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

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

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

- ☒ Part 1 – Completed Minimum Requirements Checklist.
- ☒ Part 2 – Completed 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: http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator. If you have questions, call Customer Service at (503) 986-0801. **Check enclosed in amount of \$5310**
- ☒ Part 4 – Completed Applicant Information and Signature.
- ☒ Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 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:

- ☒ Completed Transfer Application Map. **(Attachment B)**
- ☒ Completed Evidence of Use Affidavit and supporting documentation. **(Attachment C)**
- ☐ ☒ N/A Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.)
- ☒ ☐ N/A 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/A 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 all of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone. **(Attachment E)**
- ☒ ☐ N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **(Attachment F)**
- ☐ ☒ N/A 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):

- | | |
|--|--|
| <input type="checkbox"/> Application fee not enclosed/insufficient | <input type="checkbox"/> Map not included or incomplete |
| <input type="checkbox"/> Land Use Form not enclosed or incomplete | <input type="checkbox"/> Evidence of Use Form not enclosed or incomplete |
| <input type="checkbox"/> Additional signature(s) required | <input type="checkbox"/> Part _____ is incomplete |

Other/Explanation _____

Staff: _____ 503- _____ 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.

Please be sure that the transfer application map you submit includes all the required items and matches the existing water right map. Check all boxes that apply.

- ☒ ☐ N/A Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see http://apps.wrd.state.or.us/apps/wr/cwre_license_view/. CWRE stamp and signature are not required for substitutions.
- ☒ ☐ N/A If **more than three** water rights are involved, separate maps are needed for each water right.
 - ☒ Permanent quality printed with dark ink on good quality paper.
 - ☒ The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
 - ☒ A north arrow, a legend, and scale.
 - ☒ The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the 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.
 - ☒ Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
 - ☒ Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
 - ☒ Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
 - ☒ Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
 - ☒ Existing place of use that includes separate hachuring for each water 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°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).

FEE WORKSHEET for PERMANENT TRANSFER (except Substitution)

*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:

- For irrigation calculate cfs for each water right involved as follows:
 - Divide total authorized cfs by total acres in the water right (*for C12345, $1.25 \text{ cfs} \div 100 \text{ ac}$*); then multiply by the number of acres to be transferred to get the transfer cfs (*$\times 45 \text{ ac} = 0.56 \text{ cfs}$*).
 - 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, $45.0 \text{ ac} \times 0.0125 \text{ cfs/ac} = 0.56 \text{ cfs}$*)
- 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*).

| | | | |
|---|--|---|----------|
| 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) <i>If only one well this will be 0</i> | | |
| 2 | Multiply line 2b by \$480 and enter » » » » » » » » » » » » » » » » | 2 | |
| 3 | Add entries on lines 1 through 2 above » » » » » » Fee for Substitution: | 3 | |

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Part 4 of 5 – Applicant Information and Signature

Applicant Information

| | | | |
|---|--------------------|----------------------------------|---------------------------------------|
| APPLICANT/BUSINESS NAME City of Bend, Attn: Lori Faha, Env. Resources Manager | | PHONE NO. 541.317.3025 | ADDITIONAL CONTACT NO. |
| ADDRESS 62975 Boyd Acres Road | | FAX NO. | |
| CITY Bend | STATE OR | ZIP 97701 | E-MAIL lfaha@bendoregon.gov |
| 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 GSI Water Solutions, Inc. ATTN: Owen McMurtrey | | PHONE NO. 541-740-5619 | ADDITIONAL CONTACT NO. |
| ADDRESS 1600 SW Western Boulevard, Suite 240 | | FAX NO. | |
| CITY Corvallis | STATE OR | ZIP 97333 | E-MAIL OMcMurtrey@gsiws.com |
| BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED. | | | |

Explain in your own words what you propose to accomplish with this 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".

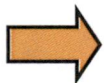
Check One Box

- ☐ 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**
- ☐ I 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: The Bend Bulletin.
- 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.



Lori Faha
Applicant signature

Lori Faha, Env Resources Mgr
Print Name (and Title if applicable)

9/12/24
Date

Applicant signature

Print Name (and Title if applicable)

Date

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located? ☐ Yes ☐ No* - **N/A, the applicant is a municipality and is proposing to make changes to municipal use water rights.**

The City owns the land where proposed new wells and associated distribution infrastructure are located or proposed to be located.

Check the following boxes that apply:

- ☒ The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- ☐ The receiving landowner will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to this landowner.
- ☐ Both the receiving landowner and applicant will be responsible for completion of change(s). Copies of notices and correspondence should be sent to this landowner and the applicant.

At this time, are the lands in this transfer application in the process of being sold? ☐ Yes ☒ No **N/A – The applicant is a municipality.**

If YES, and you know who the new landowner will be, please complete the receiving landowner information table below. If you do not know who the new landowner will be, then a request for assignment will have to be filed for at a later date.

If a property sells, the certificated water right(s) located on the land belong to the new owner, unless a sale agreement or other document states otherwise. For more information see:

https://www.oregon.gov/owrd/WRDFormsPDF/Transfer_Property_Transactions.pdf

| | | | | |
|---|-------|-----|-----------|------------------------|
| RECEIVING LANDOWNER NAME N/A | | | PHONE NO. | ADDITIONAL CONTACT NO. |
| ADDRESS | | | | FAX NO. |
| CITY | STATE | ZIP | E-MAIL | |
| Describe any special ownership circumstances: | | | | |
| The confirming Certificate shall be issued in the name of: <input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Receiving Landowner | | | | |

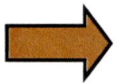
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☒ Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (Tip: Complete and attach Supplemental Form D.) **Although the water will not be served by a district, portions of the authorized places of use for Certificates 68702, 86411, 85415 and 94101 are located within the boundaries of multiple irrigation districts.**

| | | |
|--|---------|-----|
| IRRIGATION DISTRICT NAME N/A | ADDRESS | |
| 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 N/A | ADDRESS | |
| 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 City of Bend | ADDRESS 710 NW Wall ST | |
| CITY Bend | STATE OR | ZIP 97703 |

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

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SUPERSEDING

Part 5 of 5 – Water Right Information

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CERTIFICATE # 68702

Description of Water 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.**

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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-____) | Twp | Rng | Sec | ¼ | ¼ | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------|---|---|-----------|----------|-----------|----------|-----------|---------------------------|--|
| River Well 1 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 parentheses):

- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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

- ☒ 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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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 "CODES" from previous page) | PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made. | | | | | | | | | | | | | | |
|--|-----|-----|-----|---------|----------------------|-------|---|---|------------------|------------|---|---|--------------|---|---------|----------------------|-------|-----------------------|---|---------------|-----|----|---|------------|--------|------|
| Twp | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acres | Type of USE listed on Certificate | POD(s) or POA(s) (name or number from Table 1) | Priority Date | Twp | | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acres | 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 | E | 1 | NW | NW | 500 | 1 | 10.0 | | POD #5 | 1901 |
| | | | | | | | | | | | | | | 2 | S | 9 | E | 2 | SW | NW | 500 | | 5.0 | | POD #6 | 1901 |
| | | | | | | | | | | | | | APOA | Within the Service Area of the City of Bend | | | | | | | | MU | River Well 1 River Well 2 Pilot Butte 3 Outback 5 Outback 6 Outback 8 Outback 9 | 10/31/1971 | | |
| TOTAL ACRES: | | | | | | | | | | | | | TOTAL ACRES: | | | | | | | N/A | | | | | | |

Additional remarks:_____.

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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 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 *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. 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 (feet) | 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 | |
|-----------|----|-----|-----|----------|----------------------|-----------------------------------|-----------|-----|------------------------|--|

These are estimates based on the elevation of nearby wells (Outback 5 and Outback 6).

SUPERSEDING

CERTIFICATE # 85411

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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. **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-___) | Twp | | Rng | | Sec | ¼ ¼ | | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------------|---|---|-----------|----------|-----------|----------|-----------|-----------|-----------|--|---|
| Westwood Well | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 parentheses):

- ☐ Place of Use (POU)
 ☐ Supplemental Use to Primary Use (S to P)
- ☐ Character of Use (USE)
 ☒ 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 "CODES" from previous page) | PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made. | | | | | | | | | | | | | | |
|--|-----|-----|-----|---------|----------------------|------|---|---|------------------|------------|---|---|---------|---|---------|----------------------|------|--------------------------|---|------------------|-----|----|---|----------------------|--------|------|
| Twp | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acre | Type of USE listed on Certificate | POD(s) or POA(s) (name or number from Table 1) | Priority Date | Twp | | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acre | 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 | E | 1 | NW | NW | 500 | 1 | 10.0 | | POD #5 | 1901 |
| | | | | | | | | | | | | | | 2 | S | 9 | E | 2 | SW | NW | 500 | | 5.0 | | POD #6 | 1901 |
| | | | | | | | | | | | | | APOA | See the place of use listing in Certificate 85411 (Attachment A) | | | | | | | | QM | Westwood Well Pilot Butte Well 3 Outback 5 Outback 6 Outback 7 Outback 8 | December 22, 1978 | | |
| TOTAL ACRES: | | | | | | | | | | | | | | TOTAL ACRES: | | | | | | | N/A | | | | | |

Additional remarks:_____.

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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 (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.

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:

☒ 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 *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. 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 (feet) | 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 | |
|-----------|----|-----|-----|----------|----------------------|-----------------------------------|-----------|-----|------------------------|--|

These are estimates based on the elevation of nearby wells (Outback 5 and Outback 6).

SUPERSEDING

CERTIFICATE # 85415

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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-____) | Twp | | Rng | | Sec | ¼ ¼ | | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------------|---|--|-----|---|-----|---|-----|-----|----|--|--|
| River Well 1 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 of the proposed changes affect the entire water right?

☒ 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 # 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.

| AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed. | | | | | | | | | | | Proposed Changes (see "CODES" from previous page) | PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made. | | | | | | | | | | | | | | |
|--|-----|-----|-----|---------|----------------------|-------|---|---|------------------|------------|---|---|--------------|---|---------|----------------------|-------|--------------------------|---|------------------|-----|---|---------------------|--|--------|------|
| Twp | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acres | Type of USE listed on Certificate | POD(s) or POA(s) (name or number from Table 1) | Priority Date | Twp | | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acres | 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 | E | 1 | NW | NW | 500 | 1 | 10.0 | | POD #5 | 1901 |
| | | | | | | | | | | | | | | 2 | S | 9 | E | 2 | SW | NW | 500 | | 5.0 | | POD #6 | 1901 |
| | | | | | | | | | | | | | | Within the Service Area of the City of Bend | | | | | | | MU | River Well 1 River Well 2 Pilot Butte 3 Outback 5 Outback 6 Outback 8 Outback 9 | October 13, 1971 | | | |
| TOTAL ACRES: | | | | | | | | | | | | | TOTAL ACRES: | | | | | | | N/A | | | | | | |

Additional remarks:_____.

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For Place of Use or Character of Use Changes

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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 85415 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 *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. 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 (feet) | 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 | |
|-----------|----|-----|-----|----------|----------------------|-----------------------------------|-----------|-----|------------------------|--|

These are estimates based on the elevation of nearby wells (Outback 5 and Outback 6).

SUPERSEDING

CERTIFICATE # 94101

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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. **Line Shaft Turbine pumps and submersible pump 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-____) | Twp | | Rng | | Sec | ¼ ¼ | | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------------|---|---|-----|---|-----|---|-----|-----|----|--|--|
| Westwood | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 parentheses):

- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input checked="" type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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

- ☒ 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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- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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

- ☒ 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 # 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 "CODES" from previous page) | PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made. | | | | | | | | | | | | | |
|--|-----|-----|-----|---------|----------------------|------|---|---|------------------|------------|------------------|---|---|---|---------|----------------------|------|--------------------------|---|------------------|-----|----|---|----------------------|--------|------|
| Twp | Rng | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acre | Type of USE listed on Certificate | POD(s) or POA(s) (name or number from Table 1) | Priority Date | Twp | Rng | | Sec | ¼ ¼ | Tax Lot | Gvt Lot or DLC | Acre | 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 | E | 1 | NW | NW | 500 | 1 | 10.0 | | POD #5 | 1901 |
| | | | | | | | | | | | | | | 2 | S | 9 | E | 2 | SW | NW | 500 | | 5.0 | | POD #6 | 1901 |
| | | | | | | | | | | | | | APOA | 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 | | |
| TOTAL ACRES: | | | | | | | | | | | | | | TOTAL ACRES: | | | | | | | N/A | | | | | |

Additional remarks: _____.

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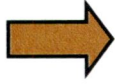
Received
SEP 30 2024

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.

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 *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. 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 (feet) | 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 30 2024

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STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

Received
SEP 30 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 $\frac{1}{4}$ NW $\frac{1}{4}$ AND SE $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 5, T 18 S, R 12 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 NE $\frac{1}{4}$ NE $\frac{1}{4}$, 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 modified by the provisions of an order of the Water Resources Director entered November 28, 1995, approving Transfer Application 7009

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.

/s/ Steven P. Applegate

Martha O. Pagel, Director

Recorded in State Record of Water Right Certificates numbered 68702.

T-7009.BWB

STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

Received
SEP 30 2024
OWRD

THIS CERTIFICATE ISSUED TO

CITY OF BEND
575 NE 15th 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 | NE NW |
| 18 S | 11 E | WM | 13 | NW NW |
| 18 S | 11 E | WM | 13 | SW NW |

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.

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| Twp | Rng | Mer | Sec | Q-Q |
|------|------|-----|-----|-------|
| 18 S | 11 E | WM | 13 | SE NW |
| 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 | NW NW |
| 18 S | 12 E | WM | 7 | SW NW |
| 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.

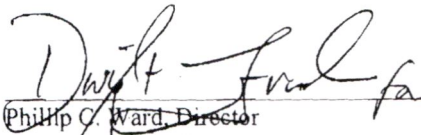
The water user shall install and maintain a weir, meter, or other suitable measuring device and keep a complete record of the amount of ground water withdrawn.

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 March 12, 2009.

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

Issued MAR 12 2009.


Phillip C. Ward, Director
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 15TH 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 ¼ NW ¼, SECTION 5, TOWNSHIP 18 SOUTH, RANGE 12 EAST, W.M.; 1420 FEET SOUTH AND 950 FEET EAST FROM THE NW CORNER OF SECTION 5.

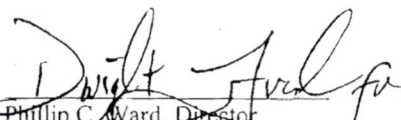
A description of the place of use to which this right is appurtenant is as follows:

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.

Issued MAR 12 2009


Phillip C. Ward, Director
Water Resources Department

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SEP 30 2024
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STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

Received
SEP 30 2024
OWRD

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-MUNICIPAL USES | | | | |
|----------------------|------|-----|-----|-------|
| 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.

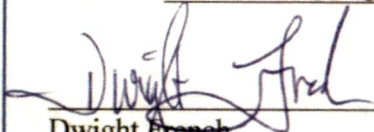
Water shall be acquired from the same aquifer as the original point of appropriation.

This certificate describes the portion of Certificate 87416 NOT modified by an order of the Water Resources Director recorded in Special Order Volume 109 Page 911 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 08 2018**



Dwight French
Water Right Services Division Administrator, for
Thomas M. Byler, Director
Oregon Water Resources Department

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SEP 30 2024

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Attachment B

Application Maps

Application for Permanent Water Right Transfer – City of Bend

Received

SEP 30 2024

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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 30 2024
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From: Vokhidjon Kakhramonov
Sent: Thursday, August 1, 2024 12:36 PM
To: wrddltransfer@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

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Attachment C

Evidence of Use Affidavit

Application for Permanent Water Right Transfer – City of Bend

Received

SEP 30 2024

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Application for Water Right Transfer Evidence of Use Affidavit



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

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

State of Oregon)
) ss
County of **DESCHUTES**)

I, Lori Faha, in my capacity as CITY OF BEND Environmental Resources Manager,

mailing address 62975 BOYD ACRES ROAD, BEND, OR, 97701

telephone number (541) 317-3025, being first duly sworn depose and say:

1. My knowledge of the exercise or status of the water right is based on (check one):

☐ Personal observation

☒ Professional expertise

2. I attest that:

☒ Water was used during the previous five years on the **entire** place of use for
Certificate # CERTIFICATES 68702, 85411, 85415 & 94101; **OR**

☐ My knowledge is specific to the use of water at the following locations within the last five years:

| Certificate # | Township | | Range | | Mer | Sec | ¼ ¼ | Gov't Lot or DLC | Acres (if applicable) |
|---------------|----------|--|-------|--|-----|-----|-----|---------------------|--------------------------|
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

OR

☐ Confirming Certificate # _____ has been issued within the past five years; **OR**

☐ Part or all of the water right was leased instream at some time within the last five years. The
instream lease number is: _____ (Note: If the entire right proposed for
transfer was not leased, additional evidence of use is needed for the portion not leased instream.); **OR**

☒ The water right is not subject to forfeiture and documentation that a presumption of forfeiture for
non-use would be rebutted under ORS 540.610(2) is attached.

☐ Water has been used at the actual current point of diversion or appropriation for more than
10 years for Certificate # _____ (For Historic POD/POA Transfers)

(continues on reverse side)

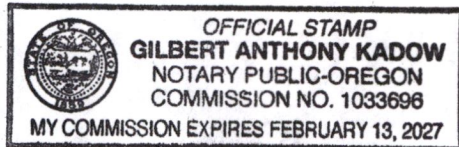
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3. The water right was used for: (e.g., crops, pasture, etc.): MUNICIPAL WATER SUPPLY
4. I understand that if I do not attach one or more of the documents shown in the table below to support the above statements, my application will be considered incomplete.

Jeri Fdun
Signature of Affiant

9-9-24
Date

Signed and sworn to (or affirmed) before me this 9 day of SEPT., 2024.



[Signature]
Notary Public for Oregon

My Commission Expires: FEB. 13TH, 2027

| Supporting Documents | Examples |
|---|--|
| <input type="checkbox"/> Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate) | Copy of confirming water right certificate that shows issue date |
| <input type="checkbox"/> Copies of receipts from sales of irrigated crops or for expenditures related to use of water | <ul style="list-style-type: none"> • Power usage records for pumps associated with irrigation use • Fertilizer or seed bills related to irrigated crops • Farmers Co-op sales receipt |
| <input type="checkbox"/> Records such as FSA crop reports, irrigation district records, NRCS farm management plan, or records of other water suppliers | <ul style="list-style-type: none"> • District assessment records for water delivered • Crop reports submitted under a federal loan agreement • Beneficial use reports from district • IRS Farm Usage Deduction Report • Agricultural Stabilization Plan • CREP Report |
| <input type="checkbox"/> Aerial photos containing sufficient detail to establish location and date of photograph | <p>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.</p> <p>Sources for aerial photos: OSU – www.oregonexplorer.info/imagery OWRD – www.wrd.state.or.us Google Earth – earth.google.com TerraServer – www.terra-server.com</p> |
| <input type="checkbox"/> Approved Lease establishing beneficial use within the last 5 years | Copy of instream lease or lease number |
| <input checked="" type="checkbox"/> The water right is not subject to forfeiture and documentation that a presumption of forfeiture for non-use would be rebutted under ORS 540.610(2). | The listed Certificates are water rights held by a city for reasonable and ordinary municipal purposes. See Certificates in Attachment A. |

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SEP 30 2024

Attachment D

Supplemental Form D

Application for Permanent Water Right Transfer – City of Bend

Received

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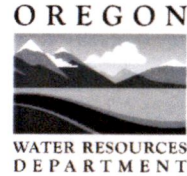
Supplemental Form D

Received

SEP 30 2024

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

[For transfers submitted under OAR Chapter 690 Division 380]



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

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

2. DISTRICT or WATER SUPPLIER INFORMATION

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

** 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.

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

Attach additional pages for additional water rights if necessary.

*Bureau of Reclamation

- b. Determine a district's/water supplier's connection to your points of diversion (POD) or appropriation (POA) and places of use (POU). [You may need to consult with your district/water supplier.]

CURRENT ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the current POD(s) / POA(s) involved in the transfer are served by a district/water supplier or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the current POU involved in this proposed transfer receives water for either primary or supplemental irrigation from the district/water supplier; i.e., the POU is currently layered with a district or BOR water supplied water right(s).

PROPOSED ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the proposed POD(s) / POA(s) involved in the transfer are currently served or will be served by a district/water supplier if the transfer is approved, or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the proposed POU involved in this proposed transfer currently receives or will receive either primary or supplemental irrigation from the district/water supplier; i.e., the POU will be layered with a district/water supplier or BOR water supplied water right(s).

COMMENTS OR ADDITIONAL INFORMATION A portion of the City's authorized place of use is within the AID service area, however, the subject water rights are not served by or issued in the name of the irrigation district and are for municipal use.

4. APPLICANT'S SIGNATURE

- (1) I certify that I have notified the district/water supplier about the proposed water right transfer application by [check one]:
☒ email, ☐ phone, ☐ postal mail, ☐ in person, or ☐ other (please specify) _____
- (2) I certify that to the best of my knowledge the information contained in this Supplemental Form D is true and accurate.


Applicant Signature

Lori Faha
Name (print)

9/12/24
Date

5. (WHEN REQUIRED) DISTRICT or WATER SUPPLIER CONSENT TO THE PROPOSED WATER RIGHT TRANSFER

District Manager or Water Supplier consent is required if any box on this form is marked "YES."

The district/water supplier certifies the following:

- (1) The district/water supplier has reviewed the applicant's proposed water right transfer application and maps; and
- (2) The district/water supplier consents to the proposed water right transfer application.

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- YES ☐ NO ☒ After proof of completion, the confirming water right certificate is to remain in the name of the U.S. Bureau of Reclamation or the district/water supplier.
- YES ☐ NO ☒ The district/water supplier will be responsible for submitting the claim of beneficial use prepared by a Certified Water Rights Examiner (CWRE).

Signature of District Manager /Water Supplier

Name (print), Title

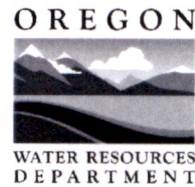
Date

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SEP 30 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.)

[For transfers submitted under OAR Chapter 690 Division 380]



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

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

Received

SEP 30 2024

OWRD

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

2. DISTRICT or WATER SUPPLIER INFORMATION

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

** 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.

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

Attach additional pages for additional water rights if necessary.

*Bureau of Reclamation

- b. Determine a district's/water supplier's connection to your points of diversion (POD) or appropriation (POA) and places of use (POU). [You may need to consult with your district/water supplier.]

CURRENT ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the current POD(s) / POA(s) involved in the transfer are served by a district/water supplier or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the current POU involved in this proposed transfer receives water for either primary or supplemental irrigation from the district/water supplier; i.e., the POU is currently layered with a district or BOR water supplied water right(s).

PROPOSED ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the proposed POD(s) / POA(s) involved in the transfer are currently served or will be served by a district/water supplier if the transfer is approved, or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the proposed POU involved in this proposed transfer currently receives or will receive either primary or supplemental irrigation from the district/water supplier; i.e., the POU will be layered with a district/water supplier or BOR water supplied water right(s).

COMMENTS OR ADDITIONAL INFORMATION A portion of the City's authorized place of use is within the COID service area, however, the subject water rights are not served by or issued in the name of the irrigation district and are for municipal use.

4. APPLICANT'S SIGNATURE

- (1) I certify that I have notified the district/water supplier about the proposed water right transfer application by [check one]:
☒ email, ☐ phone, ☐ postal mail, ☐ in person, or ☐ other (please specify) _____
- (2) I certify that to the best of my knowledge the information contained in this Supplemental Form D is true and accurate.


Applicant Signature

Lori Faha
Name (print)

9/12/24
Date

5. (WHEN REQUIRED) DISTRICT or WATER SUPPLIER CONSENT TO THE PROPOSED WATER RIGHT TRANSFER

District Manager or Water Supplier consent is required if any box on this form is marked "YES."

The district/water supplier certifies the following:

- (1) The district/water supplier has reviewed the applicant's proposed water right transfer application and maps; and
- (2) The district/water supplier consents to the proposed water right transfer application.

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- YES ☐ NO ☒ After proof of completion, the confirming water right certificate is to remain in the name of the U.S. Bureau of Reclamation or the district/water supplier.
- YES ☐ NO ☒ The district/water supplier will be responsible for submitting the claim of beneficial use prepared by a Certified Water Rights Examiner (CWRE).

Signature of District Manager /Water Supplier

Name (print), Title

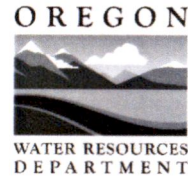
Date

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Supplemental Form D

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

[For transfers submitted under OAR Chapter 690 Division 380]



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

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

2. DISTRICT or WATER SUPPLIER INFORMATION

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

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SEP 30 2024
OWRD

** 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.

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

Attach additional pages for additional water rights if necessary.

*Bureau of Reclamation

- b. Determine a district's/water supplier's connection to your points of diversion (POD) or appropriation (POA) and places of use (POU). [You may need to consult with your district/water supplier.]

CURRENT ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the current POD(s) / POA(s) involved in the transfer are served by a district/water supplier or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the current POU involved in this proposed transfer receives water for either primary or supplemental irrigation from the district/water supplier; i.e., the POU is currently layered with a district or BOR water supplied water right(s).

PROPOSED ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the proposed POD(s) / POA(s) involved in the transfer are currently served or will be served by a district/water supplier if the transfer is approved, or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the proposed POU involved in this proposed transfer currently receives or will receive either primary or supplemental irrigation from the district/water supplier; i.e., the POU will be layered with a district/water supplier or BOR water supplied water right(s).

COMMENTS OR ADDITIONAL INFORMATION A portion of the City's authorized place of use is within the SID service area, however, the subject water rights are not served by or issued in the name of the irrigation district and are for municipal use.

4. APPLICANT'S SIGNATURE

- (1) I certify that I have notified the district/water supplier about the proposed water right transfer application by [check one]:

☒ email, ☐ phone, ☐ postal mail, ☐ in person, or ☐ other (please specify) _____

- (2) I certify that to the best of my knowledge the information contained in this Supplemental Form D is true and accurate.


Applicant Signature

Lori Faha
Name (print)

9-12-24
Date

5. (WHEN REQUIRED) DISTRICT or WATER SUPPLIER CONSENT TO THE PROPOSED WATER RIGHT TRANSFER

District Manager or Water Supplier consent is required if any box on this form is marked "YES."

The district/water supplier certifies the following:

- (1) The district/water supplier has reviewed the applicant's proposed water right transfer application and maps; and
- (2) The district/water supplier consents to the proposed water right transfer application.

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- YES ☐ NO ☒ After proof of completion, the confirming water right certificate is to remain in the name of the U.S. Bureau of Reclamation or the district/water supplier.
- YES ☐ NO ☒ The district/water supplier will be responsible for submitting the claim of beneficial use prepared by a Certified Water Rights Examiner (CWRE).

Signature of District Manager /Water Supplier

Name (print), Title

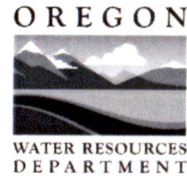
Date

Received
SEP 30 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.)

[For transfers submitted under OAR Chapter 690 Division 380]



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

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.

Received

SEP 30 2024

1. APPLICANT INFORMATION

OWRD

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

2. DISTRICT or WATER SUPPLIER INFORMATION

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

** 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.

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

Attach additional pages for additional water rights if necessary.

*Bureau of Reclamation

- b. Determine a district's/water supplier's connection to your points of diversion (POD) or appropriation (POA) and places of use (POU). [You may need to consult with your district/water supplier.]

CURRENT ASSOCIATIONS Please answer the following "yes" or "no" questions:

- YES ☐ NO ☒ One or more of the current POD(s) / POA(s) involved in the transfer are served by a district/water supplier or rely on BOR water.
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- YES ☐ NO ☒ One or more of the proposed POD(s) / POA(s) involved in the transfer are currently served or will be served by a district/water supplier if the transfer is approved, or rely on BOR water.
- YES ☐ NO ☒ All or a portion of the proposed POU involved in this proposed transfer currently receives or will receive either primary or supplemental irrigation from the district/water supplier; i.e., the POU will be layered with a district/water supplier or BOR water supplied water right(s).

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4. APPLICANT'S SIGNATURE

- (1) I certify that I have notified the district/water supplier about the proposed water right transfer application by [check one]:

☒ email, ☐ phone, ☐ postal mail, ☐ in person, or ☐ other (please specify) _____

- (2) I certify that to the best of my knowledge the information contained in this Supplemental Form D is true and accurate.


Applicant Signature

Lori Faha
Name (print)

9/12/24
Date

5. (WHEN REQUIRED) DISTRICT or WATER SUPPLIER CONSENT TO THE PROPOSED WATER RIGHT TRANSFER

District Manager or Water Supplier consent is required if any box on this form is marked "YES."

The district/water supplier certifies the following:

- (1) The district/water supplier has reviewed the applicant's proposed water right transfer application and maps; and
- (2) The district/water supplier consents to the proposed water right transfer application.

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- YES ☐ NO ☒ After proof of completion, the confirming water right certificate is to remain in the name of the U.S. Bureau of Reclamation or the district/water supplier.
- YES ☐ NO ☒ The district/water supplier will be responsible for submitting the claim of beneficial use prepared by a Certified Water Rights Examiner (CWRE).

Signature of District Manager /Water Supplier

Name (print), Title

Date

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SEP 30 2024
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Attachment E

Land Use Information Forms

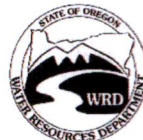
Application for Permanent Water Right Transfer – City of Bend

Received

SEP 30 2024

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Land Use Information Form



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

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and **all** of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

Received

SEP 30 2024

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Land Use Information Form



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

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 | ¼ ¼ | 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> | <u>171233A000105</u> | <u>PF</u> | <input checked="" type="checkbox"/> Diverted | <input checked="" type="checkbox"/> Conveyed | <input checked="" type="checkbox"/> Used | <u>Municipal</u> |

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

City of Bend; Deschutes County

B. Description of Proposed Use

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

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

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

Estimated quantity of water needed: 6.05 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

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

Briefly describe:

The City of Bend is requesting to add five additional wells (Pilot Butte 3, Outback Wells 5, 6, 8 and 9) to its water right Certificates 68702, 85411, 85415, and 94101. Outback Wells 5, 6, 8 and 9 are located outside city limits. A separate land use information form is being provided to the Deschutes County for Outback Wells 5, 6, 8 and 9.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

Received

SEP 30 2024

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For Local Government Use Only

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

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): Land use is permitted under BDC Chapter 2.6 Public Facilities Zoning District
- ☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

| Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.) | Cite Most Significant, Applicable Plan Policies & Ordinance Section References | Land-Use Approval: | |
|---|--|--|--|
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |

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

Name: Sheila Pyott Title: Assist. Planner
Signature: Sheila Pyott Phone: 5416932123 Date: 9/9/2024
Government Entity: City of Bend

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

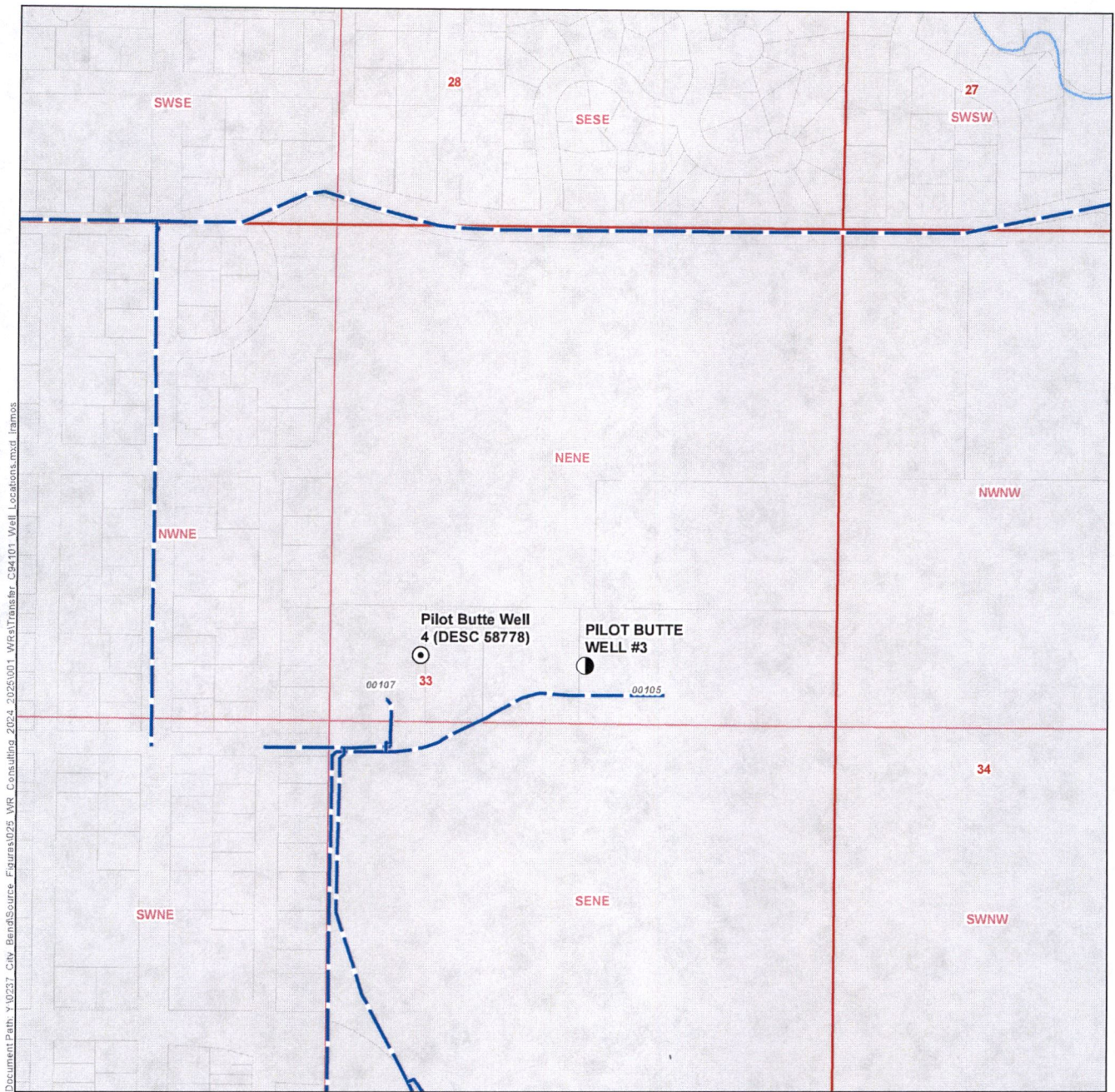
Receipt for Request for Land Use Information

Applicant name: _____
City or County: _____ Staff contact: _____
Signature: _____ Phone: _____ Date: _____

Received

SEP 30 2024

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LEGEND

Point of Appropriation (POA)

- Authorized
- Proposed

All Other Features

- Conveyance Line
- Authorized Place of Use (POU)
- Tax Lot
- 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

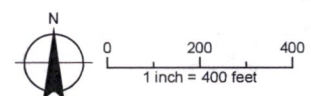
DISCLAIMER

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

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SEP 30 2024
OWRD



Land Use Information Form



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

NOTE TO APPLICANTS

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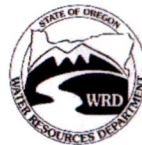
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Received
SEP 30 2024

OWRD

Land Use Information Form



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

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 | ¼ ¼ | 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> | <u>SESW</u> <u>SWSE</u> | <u>1711340000800</u> | <u>RR10</u> | <input checked="" type="checkbox"/> Diverted <input checked="" type="checkbox"/> Conveyed <input checked="" type="checkbox"/> Used | <u>Municipal</u> |

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

City of Bend; Deschutes County

B. Description of Proposed Use

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

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

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

Estimated quantity of water needed: 6.05 ☒ cubic feet per second ☐ gallons per minute ☐ acre-feet

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

Briefly describe:

The City of Bend is requesting to add five additional wells (Pilot Butte 3, Outback Wells 5, 6, 8 and 9) to its water right Certificates 68702, 85411, 85415, and 94101. Outback Wells 5, 6, 8 and 9 are located outside city limits. A separate land use information form is being provided to the City for Pilot Butte Well 3.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

See bottom of Page 3. →

Received

SEP 30 2024

OWRD

For Local Government Use Only

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

Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): TITLE 18
- ☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

| Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.) | Cite Most Significant, Applicable Plan Policies & Ordinance Section References | Land-Use Approval: | |
|---|--|--|--|
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |
| | | <input type="checkbox"/> Obtained <input type="checkbox"/> Denied | <input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued |

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

Name: WILL GROVES Title: PLANNING MANAGER

Signature: [Signature] Phone: 541 389 6518 Date: 9/9/24

Government Entity: DESCHUTES COUNTY

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

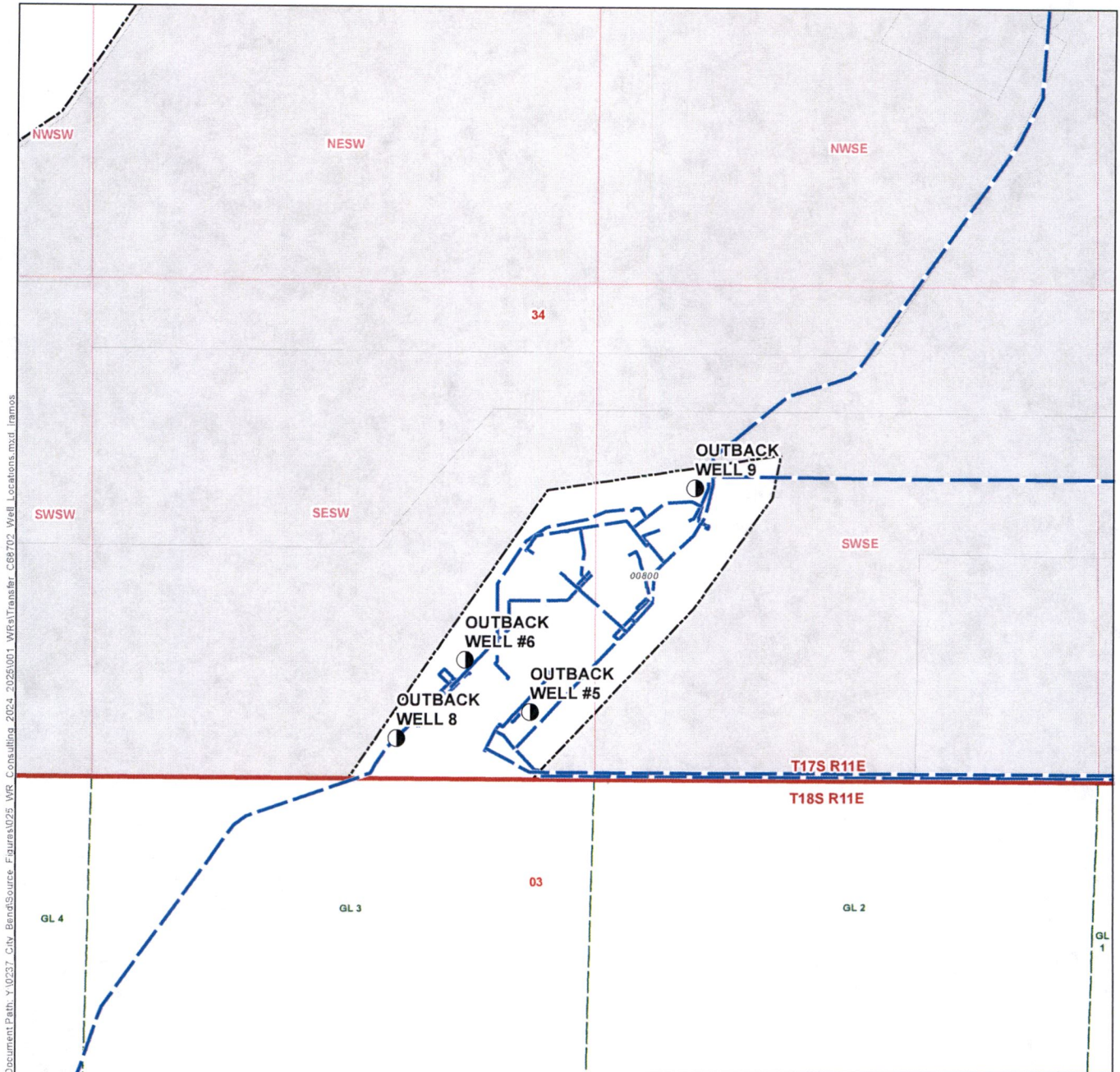
Receipt for Request for Land Use Information

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

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LEGEND

Point of Appropriation (POA)

Proposed

All Other Features

- Conveyance Line
- Authorized Place of Use (POU)
- Tax Lot
- Government Lot (GL)
- Service Area Boundary
- Watercourse
- Waterbody

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

Certificates 68702, 85411, 85415, 94101

Deschutes County

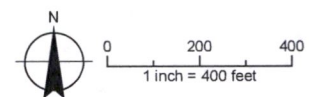
DISCLAIMER

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

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| | |
|--------------------|-----------------------|
| 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

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City of Bend Outback Well #5**by Schneider Drilling Co.****Start Card #W147290 Label #L72463**

| FM | TO | 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 |
| 742 | 753 | Basalt, grey, hard |
| 753 | 757 | Basalt, brown, vesicular |
| 757 | 763 | Basalt, black, broken |
| 763 | 767 | Cinders, black & red |
| 767 | 779 | Cinders, red |
| 779 | 787 | Basalt, grey, hard |
| 787 | 833 | Basalt, grey, hard, some fractures |
| 833 | 837 | Basalt, red & black |
| 837 | 852 | Basalt, tan & black |
| 852 | 861 | Basalt, brown, fractured |

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NOV 10 2004

**WATER RESOURCES DEPT
SALEM, OREGON**

Received

SEP 30 2024

(START CARD) # 164709

Instructions for completing this report are on the last page of this form.

STATE OF OREGON
WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

(WELL I.D.) # L 67857

(START CARD) # 164709

(1) OWNER: Well Number **Outback #6**
 Name **City of Bend**
 Address **P.O. Box 431**
 City **Bend** State **Or** Zip **97701**

(2) TYPE OF WORK
☒ New Well ☐ Deepening ☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD:
☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger
☒ Other **Reverse Circulation, Dual Rotary**

(4) PROPOSED USE:
☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation
☐ Thermal ☐ Injection ☐ Livestock ☐ Other

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval ☐ Yes ☒ No Depth of Completed Well **864** ft
 Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE SEAL

| Diameter | From | To | Material | From | To | Sacks or pounds |
|----------|------|------|----------|------|------|-----------------|
| 20" | 0 | 502' | Cement | 460' | 480' | 5 yards |
| | | | | 0 | 160' | 11 yards |
| 16" | 502' | 864' | | | | |

How was seal placed Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____

Backfill placed from **160** ft to **460** ft Material **sand grout**
 Gravel placed from **480** ft to **502** ft Size of gravel **1/4**

(6) CASING/LINER:

| Diameter | From | To | Gauge | Steel | Plastic | Welded | Threaded |
|------------|--------|------|-------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|
| Casing 16" | +1 | 675' | .375 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Liner 12" | 662.1' | 864' | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Final location of sheet(s)

(7) PERFORATIONS/SCREENS:
☒ Perforations Method **Factory**
☐ Screens Type _____ Material _____

| From | To | Slot size | Number | Diameter | Tele/pipe size | Casing | Liner |
|------|------|-----------|--------|----------|----------------|--------------------------|-------------------------------------|
| 664' | 864' | 3/16x3 | 9,120 | 12" | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

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

☒ Pump ☐ Bailor ☐ Air ☐ Flowing

| Yield gpm/min | Drawdown | Drill stem at | Time |
|---------------|----------|---------------|-------|
| 1,450 | 1' | | 24 hr |

Temperature of water **53 F** Depth Artesian Flow Found _____
 Was a water analysis done? ☒ Yes By whom **City of Bend**
 Did any strata contain water not suitable for intended use? ☐ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
 Depth of strata _____

(9) LOCATION OF WELL by legal description:

County **Deschutes** Latitude _____ Longitude _____
 Township **17** S Range **11** E WM
 Section **34** SW 1/4 SE 1/4
 Tax Lot **6202R2** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) **15900 Skyliner Rd., Bend, OR 97701**

(10) STATIC WATER LEVEL:

480 ft. below land surface. Date **11/02/04**
 Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found **115'**

| From | To | Estimated Flow Rate | SWL |
|------|-----|------------------------|-----|
| 115 | 125 | 30 | 115 |
| 516 | 582 | 200 gpm | 480 |
| 638 | 864 | Rev.Circ- unmeasurable | 480 |

(12) WELL LOG:

Ground Elevation _____

| Material | From | To | SWL |
|-----------------------------|------|----|-----|
| *** SEE ATTACHED LOG *** | | | |
| RECEIVED | | | |
| | | | |
| DEC 15 2004 | | | |
| WATER RESOURCES DEPT | | | |
| SALEM, OREGON | | | |

Date started **06/14/04** Completed **11/24/04**

(unbonded) Water Well Constructor Certification:

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

Signed *[Signature]* WWC Number **26462** Date **11/24/04**

(bonded) Water Well Constructor Certification:

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

Signed *[Signature]* WWC Number **1523** Date **12-02-04**

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

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

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DEC 15 2004

WATER RESOURCES DEPT
SALEM, OREGON

Start Card: 164709
Well Label: L67857
Boring #: Outback #6

Soil Profile Continued from Log:

| Material | From | To | SWL |
|-------------------------------|------|-----|-----|
| 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 | ↓ |
| Basalt – brown | 620 | 638 | ↓ |
| Lava – black & brown (caving) | 638 | 658 | ↓ |
| Red cinders (caving) | 658 | 689 | ↓ |
| Basalt – black w/ red | 689 | 691 | ↓ |
| Basalt – gray | 691 | 700 | ↓ |
| Lava – gray w/ red | 700 | 705 | ↓ |
| Basalt – brown w/ red lava | 705 | 710 | ↓ |
| Red Cinders | 710 | 744 | ↓ |
| Basalt – gray | 744 | 751 | ↓ |
| Red Cinders | 751 | 780 | ↓ |
| Basalt - gray | 780 | 801 | ↓ |
| Basalt – gray & red | 801 | 831 | ↓ |
| Basalt – red | 831 | 836 | ↓ |
| Red Cinders | 836 | 864 | 480 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
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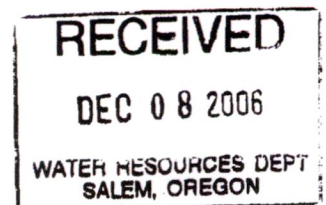
DESC 57760

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

by Schneider Drilling Co.

Start Card #168799 Label #L72483

| <u>FM</u> | <u>TO</u> | <u>DESCRIPTION</u> |
|-----------|-----------|---|
| 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 & red |
| 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 basalt 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, some 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 |
| 732 | 740 | Basalt, dark red & grey, medium-hard, vesicular |
| 740 | 743 | Basalt, grey w/some red, medium-hard |
| 743 | 745 | Basalt, grey, hard |
| 745 | 767 | Basalt, grey red & brown, medium-soft, broken, some vesicles, some cinders |
| 767 | 774 | Basalt, dark red, medium, broken, w/some cinders, red |
| 774 | 781 | Basalt, red, soft, cindery w/some grey basalt |
| 781 | 782 | Basalt, grey red brown, medium-hard, w/some red cinders |
| 782 | 832 | Basalt, grey w/some red, hard, fractured |
| 832 | 852 | Basalt, red w/some brown, medium, fractured w/cinders & some pumice |
| 852 | 860.5 | Basalt, grey w/some red, hard, fractured & some cinders |



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WATER SUPPLY WELL REPORT

(as required by ORS 537.765)

Instructions for completing this report are on the last page of this form.

DESC 52907

Amendment

Received Date 04/10/2000

Well ID Tag # L 39583

Start Card # 124991

(1) OWNER

Well Number

Name

CITY OF BEND

Street PO BOX 431

City BEND

State OR Zip 97709

(2) TYPE OF WORK

- ☒ New ☐ Alter (Recondition) ☐ Alter (Repair)
☐ Deepening ☐ Abandonment

(3) DRILL METHOD

- ☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger

Other

(4) PROPOSED USE

- ☐ Domestic ☒ Community ☐ Industrial ☐ Irrigation ☐ Injection
☐ Livestock ☐ Thermal ☐ Other

(5) BORE HOLE CONSTRUCTION

Special Standards ☒ Depth of completed well 1140 ft.Explosives Used ☐ Amount Type

How as seal placed: Method Other

Backfill placed from ft. TO ft. Material

Filter pack from ft. TO ft. Size in.

(6) CASING/LINER

| Casing or Liner | Diameter | Begin Depth | End Depth | Gauge | Material | Construction Weld Threaded | Location Of Shoe |
|-----------------------|----------|----------------|--------------|-------|----------|--|---------------------|
| C | 14.00 | 0.00 | 862.00 | .375 | S | <input checked="" type="checkbox"/> <input type="checkbox"/> | |

(7) PERFORATION/SCREENS

- ☐ Perforation: Method
☐ Screens Type Material

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

| Type | Yield | Units | Drawdown | Stem at | Duration |
|------|--------|-------|----------|---------|----------|
| Pump | 1000.0 | G | 30.0 | | 24.0 |

Temperature of water 53 °F/C Depth artesian flow found ft.

Was water analysis done? ☐

By Whom?

Did any strata contain water not suitable for intended use? ☐ Too Little ☐ Salty☐ Muddy ☐ Odor ☐ Colored ☐ Other

Depth of strata ft.

(9) LOCATION OF HOLE By legal description

County Deschutes Latitude Longitude
Township 17.00 S Range 12.00 E Subdivision
Tax lot 101 Lot Block
Section 33 NE 1/4 NE 1/4

Street Address of Well (or nearest address)

1402 NE LAFAYETTE

MAP with location identified must be attached

(10) STATIC WATER LEVEL

786.0 Ft. below land surface. Date 02/15/2000

Artesian Pressure lb/sq. in. Date

(11) WATER BEARING ZONES

Depth at which water was first found 815 ft.

(12) WELL LOG

Ground Elevation ft.

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Date started 12/06/1999

Completed 03/24/2000

(unbonded) Water Well Constructor Certification:

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

Signed By

(bonded) Water Well Constructor Certification: WWC Number

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

Signed By GREG MCINNIS

WWC Number 1464

GEO-TECH EXPLORATIONS

START CARD #: 124991

FORMATION LOG FOR THE CITY OF BEND, PILOT BUTTE WELL #3
BY 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 |
| 390-470 | 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 |

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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

First Name _____ Last Name _____
Company CITY OF BEND
Address P.O. BOX 431
City BEND, State OR Zip 97701

(2) TYPE OF WORK ☒ New Well ☐ Deepening ☐ Conversion
☐ Alteration (repair/recondition) ☐ Abandonment

(3) DRILL METHOD

☐ Rotary Air ☐ Rotary Mud ☒ Cable ☐ Auger ☐ Cable Mud
☐ Reverse Rotary ☐ Other _____

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

(5) BORE HOLE CONSTRUCTION Special Standard ☐ (Attach copy)

Depth of Completed Well 1,160 ft.

| BORE HOLE | | | SEAL | | | Amt | sacks/ lbs |
|-----------|------|-------|----------|------|-----|-----|---------------|
| Dia | From | To | Material | From | To | | |
| 26 | 0 | 189 | Cement | 660 | 680 | 44 | S |
| 22 | 189 | 850 | Cement | 307 | 335 | 44 | S |
| 15 | 850 | 1,160 | Cement | 0 | 101 | 880 | S |

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

Backfill placed from 335 ft. to 660 ft. Material Bentonite Chips

Filter pack from _____ ft. to _____ ft. Material _____ Size _____

Explosives used: ☒ Yes Type Deta Gel Amount 9 sticks 2x16

(6) CASING/LINER

| Casing | Liner | Dia | + | From | To | Gauge | Stl | Plstc | Wld | Thrd |
|-------------------------------------|-------------------------------------|-----|-------------------------------------|------|-------|-------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | 16 | <input checked="" type="checkbox"/> | 2 | 850 | .375 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | 14 | <input type="checkbox"/> | 840 | 1,160 | .375 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Shoe ☐ Inside ☒ Outside ☐ Other Location of shoe(s) 850Temp casing ☐ Yes Dia _____ From _____ To _____

(7) PERFORATIONS/SCREENS

Perforations Method Factory Saw

Screens Type _____ Material _____

| Perf/S creen | Casing/ Screen Liner | Screen Dia | From | To | Scr/slot width | Slot length | # of slots | Tele/ pipe size |
|-----------------|-------------------------|---------------|-------|-------|-------------------|----------------|---------------|--------------------|
| Perf | Casing | 16 | 740 | 828 | .188 | 3 | | 16 |
| Perf | Liner | 14 | 849 | 938 | .188 | 3 | | 14 |
| Perf | Liner | 14 | 938 | 960 | .25 | 3 | | 14 |
| Perf | Liner | 14 | 960 | 1,004 | .188 | 3 | | 14 |
| Perf | Liner | 14 | 1,004 | 1,071 | .25 | 3 | | 14 |

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

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

| Yield gal/min | Drawdown | Drill stem/Pump depth | Duration (hr) |
|---------------|----------|-----------------------|---------------|
| 1,150 | 17 | 832 | 4 |
| 950 | 11 | 832 | 20 |

Temperature 51 °F Lab analysis ☐ Yes By _____Water quality concerns? ☐ Yes (describe below)

| From | To | Description | Amount | Units |
|------|----|-------------|--------|-------|
| | | | | |
| | | | | |

(9) LOCATION OF WELL (legal description)

County DESCHUTE Twp 17 S N/S Range 12 E E/W WM

Sec 33 NE 1/4 of the NE 1/4 Tax Lot 101

Tax Map Number _____ Lot _____

Lat _____ " or _____ DMS or DD

Long _____ " or _____ DMS or DD

☒ Street address of well ☐ Nearest address

1402 N.E. LAFAYETTE

(10) STATIC WATER LEVEL

Date _____ SWL(psi) + SWL(ft)

| | | |
|-----------------------------|------------|-----|
| Existing Well/ Prodeepening | | |
| Completed Well | 06-24-2009 | 702 |

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 684

| SWL Date | From | To | Est Flow | SWL(psi) | + SWL(ft) |
|------------|------|-------|----------|----------|-----------|
| 11-28-2008 | 694 | 705 | 100 | | 682 |
| 03-14-2009 | 705 | 850 | 1,000 | | 687.5 |
| 06-04-2009 | 850 | 1,160 | 5,000 | | 694 |
| 06-24-2009 | | | | | 702 |

(11) WELL LOG

Ground Elevation 3,712

| Material | From | To |
|----------------------------|------|-------|
| See Attached Formation Log | 0 | 1,160 |
| Received | | |
| ced 30 2024 | | |
| OWRD | | |
| WESTERN WATER DEVELOPMENT | | |
| P.O. Box 1670 | | |
| Redmond, OR 97756 | | |
| JUL 02 2009 | | |
| WATER RESOURCES DEPT | | |
| SALEM, OREGON | | |

Date Started 06-06-2008 Completed 06-24-2009

(unbonded) Water Well Constructor Certification

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

License Number _____ Date _____

Password: (if filing electronically) _____

Signed _____

(bonded) Water Well Constructor Certification

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

License Number 1385 Date 06-26-2009

Password: (if filing electronically) _____

Signed Robert Buckner

Contact Info (optional) _____

ORIGINAL - WATER RESOURCES DEPARTMENT

THIS REPORT MUST BE SUBMITTED TO THE WATER RESOURCES DEPARTMENT WITHIN 30 DAYS OF COMPLETION OF WORK

Form Version: 0.89

START CARD # 1003631

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 | 395 |
| Void-Cement Grout | 395 | 405 |
| Hard Gray Basalt Slanted | 405 | 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 | 504 | 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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SEP 30 2024

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JUL 02 2009

WATER RESOURCES DEPT
SALEM, OREGON

DESC 58778

| Material | From | To | |
|--|-------------|-----------|------------|
| Brown Sandstone | 541 | 549 | |
| Dark Gray Basalt | 549 | 578 | |
| Black & Red Broken Basalt | 578 | 598 | |
| Broken Black Basalt | 598 | 623 | |
| Brown Sandstone with Gravel | 623 | 655 | |
| Dark Gray Basalt | 655 | 664 | |
| Black & Red Basalt | 664 | 694 | SWL 682' |
| Vasicular 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 Gray Basalt | 755 | 766 | |
| Broken Black & Red Basalt w/ Red Cinders | 766 | 780 | |
| Broken Vesicular Black, Red & Brown Basalt | 780 | 790 | |
| Gray Basalt | 790 | 813 | |
| Red Conglomerate | 813 | 834 | SWL 686.5' |
| Brown Sandstone | 834 | 864 | |
| Black Basalt with Red Cinders | 864 | 872 | |
| Brown Conglomerate | 872 | 925 | |
| Black Basalt | 925 | 958 | |
| (No Returns from 958'-970') | | | |
| Black Basalt with Red Cinder fragments and seams of Brown Ash | 958 | 1035 | 687.5 |
| No Returns | 1035 | 1050 | |
| Black Basalt | 1050 | 1080 | |
| No Returns | 1080 | 1095 | |
| Black Basalt 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 |
| Bottom Grout Seal | 2 yds cement grout | 660 | 680 |

WESTERN WATER DEVELOPMENT
P.O. Box 1670
Redmond, OR 97756

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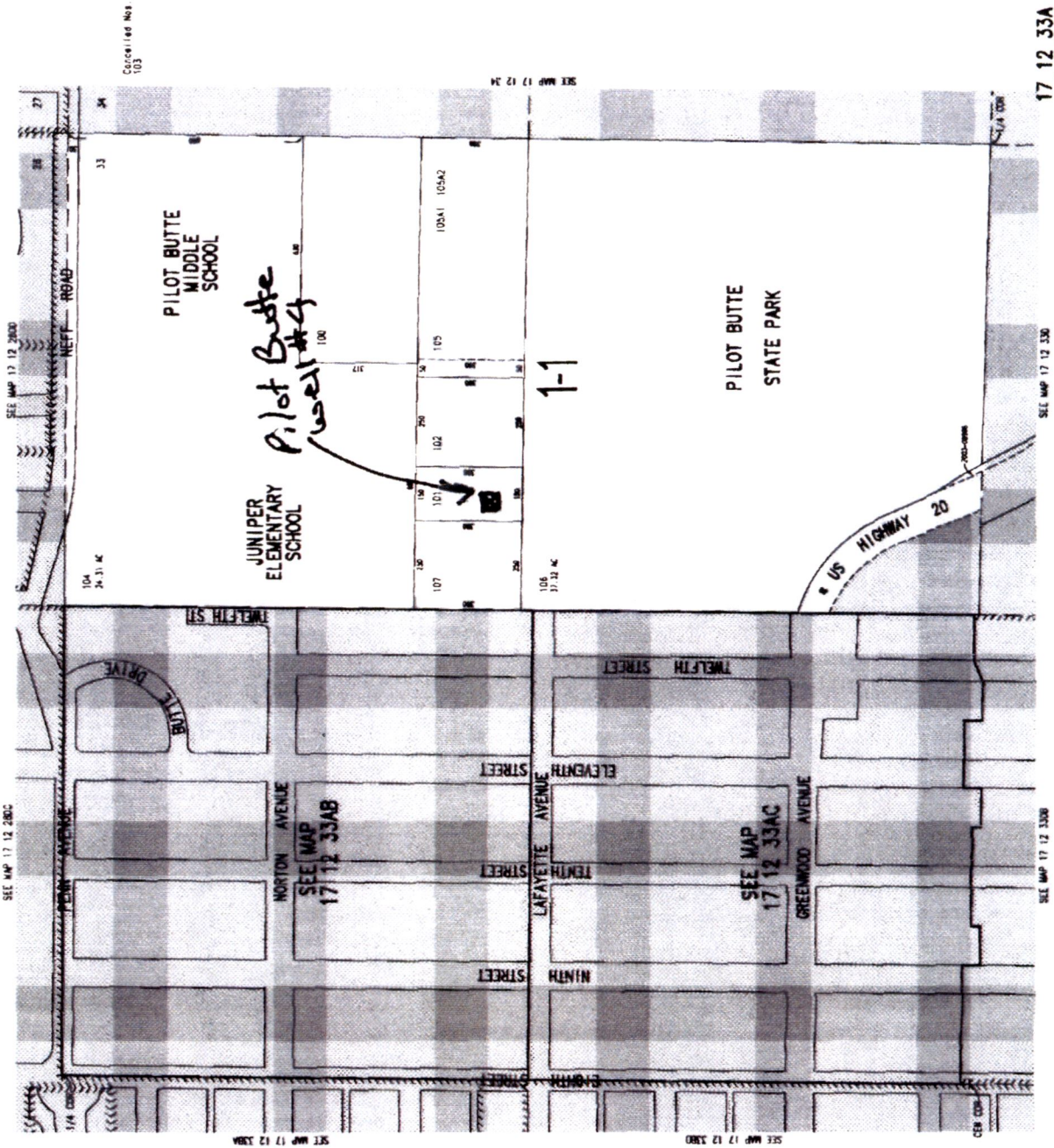
RECEIVED
JUL 02 2009
WATER RESOURCES DEPT
SALEM, OREGON

DESC 58778

17 12 33A
& INDEX

DESC 58778
NE 1/4 SEC. 33 T. 17S. R. 12E. W.M.
DESCHUTES COUNTY

1" = 200'



17 12 33A
& INDEX

THIS MAP WAS PREPARED FOR
ASSESSMENT PURPOSE ONLY.
REVISED: 03/27/2003

WESTERN WATER DEVELOPMENT
P.O. Box 1670
Redmond, OR 97756

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WATER RESOURCES DEPT
SALEM, OREGON

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*R. J. Strasser Drilling Co.*8110 S. E. Sunset Lane
Portland, Oregon 97206

May 6, 1972

Log of City of Bend well

RECEIVED
MAY 22 1972STATE ENGINEER
SALEM, OREGON

| | |
|---|-----------|
| Fill | 0 - 4 |
| sand, gravel, and boulders | 44 - 9 |
| 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 |
| dark grey basalt | 322 - 341 |
| red and black fractured basalt | 341 - 382 |
| black basalt and brown clay | 382 - 385 |
| red, black and yellow rock | 385 - 397 |
| black basalt | 397 - 403 |
| black, brown and red basalt; clay seams | 403 - 432 |
| black, brown and red basalt, tan clay | 432 - 438 |
| porous black basalt | 438 - 443 |
| black basalt | 443 - 454 |
| 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 |

Received

SEP 30 2024

OWRD

R. J. Strasser Drilling Co.

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

RECEIVED
MAY 22 1972
STATE ENGINEER
SALEM OREGON

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

*OK
Brd*

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 procedure.

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" O.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" O.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 back-filled the well to the surface with 8 cu. yd. of 3½ sack/yd 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

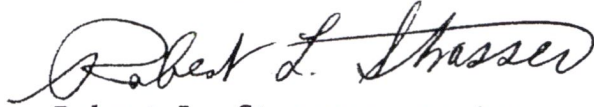
Received

SEP 30 2024

OWRD

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.

Respectfully submitted,



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



Received

SEP 30 2024

OWRD

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

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

WATER WELL REPORT
STATE OF OREGON
(Please type or print)
(Do not write above this line)

RECEIVED

APR 2 1978

State Well No. 185/12W-56C

State Permit No.

SALEM, OREGON

(1) OWNER:

Name CITY OF BEND
Address P.O. Box 431
BEND, OR. 97701

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☐
1" Diam. from 0 ft. to 46 ft. Gage 1312
1.8" Diam. from 0 ft. to 234 ft. Gage 1375
1.4" Diam. from 0 ft. to 706 ft. Gage 1375

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ 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

Was a pump test made? ☒ Yes ☐ No If yes, by whom? OWNER

Yield: 2000 gal./min. with 185 ft. drawdown after 17 hrs.

Ball test gal./min. with ft. drawdown after hrs.

Artesian flow g.p.m.

Temperature of water 58 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used PORTLAND CEMENT TYPE 1-11

Well sealed from land surface to 706 ft.

Diameter of well bore to bottom of seal 17 1/2 in.

Diameter of well bore below seal _____ in.

Number of sacks of cement used in well seal 413 sacks

How was cement grout placed? GRAVITY FLOW WHILE

VIBRATING CASING TO PREVENT BRIDGING

Was a drive shoe used? ☒ Yes ☐ No Plugs _____ Size: location _____ ft.

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County DESCUTES Driller's well number
SW 1/4 NW 1/4 Section 5 T. 18S R. 12E W.M.

Bearing and distance from section or subdivision corner 300 Ft.
WEST OF EXISTING BEND CITY WELL #1

(11) WATER LEVEL: Completed well.

Depth at which water was first found _____ ft.

Static level 242 ft. below land surface. Date 3-21-78

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 10"

Depth drilled 5 ft. Depth of completed well 800 ft.

Formation: Describe color, texture, grain size and structure of materials;
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
position of Static Water Level and indicate principal water-bearing strata.

| MATERIAL | From | To | SWL |
|---|------|-----|-----|
| FILL MATERIALS | +5 | -5 | |
| BLUES, GRAVEL & SAND B&K | 5 | 27 | |
| " " " " TAN | 27 | 43 | |
| BASALT, BLK, BRKN MED SFT | 43 | 70 | |
| " " BRKN BLK | 70 | 101 | |
| " " GRAY MED HD | 101 | 106 | |
| " " REDY BLK BRKN CINDERS | 106 | 175 | |
| " " BRN " " | 175 | 199 | |
| " " GRAVEL CEMENTED, CONG. | 199 | 224 | |
| GRAVEL BLK BASALT | 224 | 232 | |
| BASALT BLK MED TO HD | 232 | 285 | |
| " " HD. | 285 | 326 | |
| " " VESICULAR (FROTHY) | 326 | 337 | |
| " " FRACTURED HD. | 337 | 342 | |
| " " " MED HD. | 342 | 367 | |
| " " " HD. | 367 | 387 | |
| " " " MED HD. | 387 | 445 | |
| GRAVEL BASALTIC SOME REDDISH BRN, TAN CLAY SEAMS | 445 | 462 | |

Work started 10-10 19 77 Completed 1-23 19 78

Date well drilling machine moved off of well 1-23 19 78

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.

[Signed] William D. Williams Date 3-31, 19 78
(Drilling Machine Operator)

Drilling Machine Operator's License No. 864

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.

Name William D. Williams
(Person, firm or corporation) (Type or print)

Address 3790 N.W. Oak Ln Redmond OR 97726

[Signed] William D. Williams
(Water Well Contractor)

Contractor's License No. 665 Date 3-31, 19 78

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

SEP 30 2024

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

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED

APR 2 1978

State Well No. _____

State Permit No. _____

(1) OWNER:

Name CITY OF BEND

Address P.O. Box 431
BEND, OR 97701

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☐

_____ " Diam. from _____ ft. to _____ ft. Gage _____

_____ " Diam. from _____ ft. to _____ ft. Gage _____

_____ " Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:

Perforated? ☐ Yes ☐ No.

Type of perforator used _____

Size of perforations _____ in. by _____ in.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

_____ perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☐ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ 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

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield: _____ gal./min. with _____ ft. drawdown after _____ hrs.

_____ " " " " " "

_____ " " " " " "

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m.

Temperature of water _____ Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used _____

Well sealed from land surface to _____ ft.

Diameter of well bore to bottom of seal _____ in.

Diameter of well bore below seal _____

Number of sacks of cement used in well seal _____ sacks

How was cement grout placed? _____

Was a drive shoe used? ☐ Yes ☐ No Plugs _____ Size: location _____ ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☐ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County _____ Driller's well number _____

_____ 1/4 Section T. R. W.M.

Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found _____ ft.

Static level _____ ft. below land surface. Date _____

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing _____

Depth drilled _____ ft. Depth of completed well _____ ft.

Formation: Describe color, texture, grain size and structure of materials;
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
position of Static Water Level and indicate principal water-bearing strata.

| MATERIAL | From | To | SWL |
|---|------|--------------|-----|
| Basalt, BLK, BDN, Some Vesicular | 45 | SCORIA CE043 | |
| ZONES W/RED-BRN COLOR | 462 | 687 | |
| BASALT, BLK, Vesicular + SCORIA CE043 | | | |
| CAVING W/B | 687 | 706 | 485 |
| CASING SET + ALL STARTAS ARE 15 | | | |
| 706 GROUTED + SEALED OFF. | | | |
| BASALT, BLK HD. | 707 | 722 | |
| " " SOFT. | 722 | 723 | |
| " " HD. | 723 | 727 | |
| " " SOFT. | 727 | 728 | |
| " GRAY, BDN, RED-BRN, Vesicular TO SCOR- | | | |
| IA CE043 W/B. | 728 | 765 | |
| BASALT, HD BLK | 765 | 771 | |
| " DK GRAY, BLK, Vesicular TO SCORIA CE043 | | | |
| W/B. | 771 | 791 | 242 |
| BASALT, GRAY + BLK PORPHYRITIC | 791 | 793 | |
| " " " " SOFT | 793 | 796 | |
| " " " " HD. | 796 | 799 | |
| " " " " SOFT | 799 | 800 | |

Work started _____ 19 Completed _____ 19

Date well drilling machine moved off of well _____ 19

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.

[Signed] _____ Date _____, 19_____
(Drilling Machine Operator)

Drilling Machine Operator's License No. _____

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.

Name _____
(Person, firm or corporation) (Type or print)

Address _____

[Signed] _____
(Water Well Contractor)

Contractor's License No. _____ Date _____, 19_____
SP*45656-119

Bill.

The reason this log is so late being filed is because I was waiting for Fred Roberts to correlate the E log to the physical log & I just received the results.

Sincerely
W. L. Williams

Received

SEP 30 2024

OWRD

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

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

DESC

RECEIVED

WATER WELL REPORT

STATE OF OREGON

WATER RESOURCES DEPT.
SALEM, OREGON

State Well No.

State Permit No.

195/12E-16bc
A03 8611336

(1) OWNER:

Name J.L. Ward Construction Co.
Address 61045 Brosterhouse Rd.
Bend 97702

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☒
12" Diam. from +2 ft. to -410 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☒ Yes ☐ No.

Type of perforator used Torch

Size of perforations 1/4 in. by 6 in.
500 perforations from 330 ft. to 410 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name
Type Model No.
Diam. Slot size 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

Was a pump test made? ☒ Yes ☐ No. If yes, by whom? Ward
1500 gal./min. with ft. drawdown after hrs.
See Attached Letter " "

Ballor test gal./min. with ft. drawdown after hrs.
Artesian flow None g.p.m.

erature of water 52 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Portland Cement Grout
Well sealed from land surface to 50 ft.
Diameter of well bore to bottom of seal 18 in.
Diameter of well bore below seal 16-18 in.
Number of sacks of cement used in well seal sacks
Number of sacks of bentonite used in well seal None sacks
Brand name of bentonite NA
Number of pounds of bentonite per 100 gallons
of water lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? depth of strata
Method of sealing strata off
Was well gravel packed? ☒ Yes ☐ No Size of gravel: 1/4-1/2
Gravel placed from 50 ft. to 410 ft.

(10) LOCATION OF WELL:

County Deschutes Driller's well number
SW 1/4 NW 1/4 Section 16 T.18S R. 12E W.M.
Bearing and distance from section or subdivision corner
2,000' South of NW Corner of Sec. 16

(11) WATER LEVEL: Completed well.

Depth at which water was first found 335 ft.
Static level 335 ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 16"

Depth drilled 417 ft. Depth of completed well 410 ft.

Formation: Describe color, texture, grain size and structure of materials;
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
position of Static Water Level and indicate principal water-bearing strata.

| MATERIAL | From | To | SWL |
|------------------|------|-----|-----|
| Sandy Soil | 0 | 4 | |
| Gray Lave | 4 | 28 | |
| Lava Chunks | 28 | 34 | |
| Red Cinders | 34 | 49 | |
| Lava Chunks | 49 | 56 | |
| Conglomerate tan | 56 | 89 | |
| Gray Pumice | 89 | 112 | |
| Black Lava | 112 | 137 | |
| Lava Chunks | 137 | 162 | |
| Red Cinders | 162 | 166 | |
| Black Cinders | 166 | 172 | |
| Lava Black | 172 | 191 | |
| Conglomerate | 191 | 221 | |
| Lava Gray | 221 | 253 | |
| Red Cinders | 253 | 271 | |
| Lava Chunks | 271 | 306 | |
| Gray Basalt | 306 | 319 | |
| Gray Lava | 319 | 336 | 335 |

(Continued Below)

Work started 4/18 1974 Completed 6/26 1974
Date well drilling machine moved off of well 6/28 1974

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision.
Materials used and information reported above are true to my
best knowledge and belief.

[Signed] Date 19
(Drilling Machine Operator)

Drilling Machine Operator's License No.

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is
true to the best of my knowledge and belief.

Name Jan L. Ward
(Person, firm or corporation) (Type or print)

Address 61045 Brosterhouse Road, Bend, Oregon

[Signed] (Water Well Contractor)

Contractor's License No. Date 19

(USE ADDITIONAL SHEETS IF NECESSARY)

SEP 30 2024

SP-45656-119

OWRD



RECEIVED
JUL 17 1978
WATER RESOURCES DEPT.
SALEM, OREGON

Received
SEP 30 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

Jan L. Ward
President

JW/mc

Enclosures

has to be 8611336

NOTICE TO WATER WELL CONTRACTOR

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

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

DEC 19 1977

Do not write above this line)

WATER RESOURCES DEPT.

NOV 29 1977

State Permit No.

Well No.

188/12E-76b

Received

SEP 30 2024

(1) OWNER:

WATER RESOURCES DEPT.

SALEM, OREGON

Name M. R. S. Inc
Address Red Oaks Square--Bend, Oreg. 97701

(2) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☒

6" Diam. from 0 ft. to 81 ft. Gage .250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used

Size of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name
Type Model No.
Diam. Slot size 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

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Flow: gal./min. with ft. drawdown after hrs.

AIR TEST
Better test 30 gal./min. with 15 ft. drawdown after 1 hrs.

Artesian flow g.p.m.
perature of water 51 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used Bentonite SLURRY & Sand
Well sealed from land surface to 80 ft. ft.
Diameter of well bore to bottom of seal 10 in.
Diameter of well bore below seal 6 in.
Number of sacks of cement used in well seal sacks
Number of sacks of bentonite used in well seal 3 sacks
Brand name of bentonite Volclay
Number of pounds of bentonite per 100 gallons of water One Hundred (100) lbs./100 gals.
Was a drive shoe used? ☐ Yes ☒ No Plugs Size: location ft.
Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? depth of strata

Method of sealing strata off

Was well gravel packed? ☐ Yes ☒ No Size of gravel:

Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Deschutes Driller's well number
NW 1/4 NW 1/4 Section 7 T. 18 R. 10 W.M.
Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level 277 ft. below land surface. Date 11-24-77
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 6

Depth drilled 331 ft. Depth of completed well 310 ft.

Formation: Describe color, texture, grain size and structure of materials; 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 position of Static Water Level and indicate principal water-bearing strata.

| MATERIAL | From | To | SWL |
|------------------------|------|-----|-----|
| Sand & Pumice | 0 | 2 | |
| Clay & Sediments-brown | 2 | 7 | |
| Black Lava | 7 | 10 | |
| Pumice-brown | 10 | 27 | |
| White Pumice | 27 | 48 | |
| Black clay & sediments | 48 | 105 | |
| Sediments | 105 | 156 | |
| Cinders-red | 156 | 176 | |
| Brown lava | 176 | 186 | |
| Grey lava-frac. | 186 | 209 | |
| Sediments | 209 | 221 | |
| Lava-brown | 221 | 231 | |
| Clay & sediments | 231 | 249 | |
| Sediments-cinders | 249 | 268 | |
| Grey lava-dense | 268 | 306 | |
| Sediments & water | 306 | 331 | 277 |

Work started Nov 16 1977 Completed Nov 26 1977

Date well drilling machine moved off of well Nov. 26 1977

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Raymond Date 11-27, 1977.
(Drilling Machine Operator)

Drilling Machine Operator's License No. X 130

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Reed's Well Drilling
(Person, firm or corporation) (Type or print)

Address 20219 Meadow Lane-Bend, Oregon
97701

[Signed] Reed (Water Well Contractor)

Contractor's License No. 443 Date Nov. 27-, 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45656-119

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

(Do not write above this line)

APR 17 1978

State Well No.

WATER RESOURCES STATE PERMIT NO.

SALEM, OREGON

Name K. R. S. Inc **OWRD**
Address Fed Oaks Square--Bend, Ore. 97701

If abandonment, describe material and procedure in Item 12

Rotary ☒ Driven ☐
Cable ☐ Jetted ☐
Dug ☐ Bored ☐
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

6 " Diam. from 0 ft. to 81 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

Type of perforator used

| Size of perforations | in. | by | in. |
|-------------------------------|-------|--------------|-----|
| _____ perforations from _____ | _____ | ft. to _____ | ft. |
| _____ perforations from _____ | _____ | ft. to _____ | ft. |
| _____ perforations from _____ | _____ | ft. to _____ | ft. |

Well screen installed? ☐ Yes ☐ No

Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

| d: | gal./min. with | ft. drawdown after | hrs. |
|----|----------------|--------------------|------|
| | " | " | " |
| " | " | " | " |

AIR TEST
Bailer test 30 gal./min. with 15 ft. drawdown after 7 hrs.

Artesian flow _____ g.p.m. _____

Temperature of water / Depth artesian flow encountered _____ ft.

Well seal—Material used BENTONITE SLURRY + Sand

Well sealed from land surface to 80 ft. ft.

Diameter of well bore to bottom of seal 10 in.

Diameter of well bore below seal 6 in.

Number of sacks of cement used in well seal _____ sacks

Number of sacks of bentonite used in well seal 3 sacks

Brand name of bentonite Volclay

Number of pounds of bentonite per 100 gallons
of water One 40 lb. bag (100) lbs./100 gals.

Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.

Did any strata contain unusable water? ☐ Yes ☐ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

County Dorchester Driller's well number

NW 1/4 Section 7 T.18 R.12 E W.M.
 Bearing and distance from section or subdivision corner

Depth at which water was first found 277 ft.

Static level 377 ft. below land surface. Date 1-26-37

Artesian pressure _____ lbs. per square inch. Date _____

Depth drilled 331 ft. Depth of completed well 310 ft.

Formation: Describe color, texture, grain size and structure of materials; 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 position of Static Water Level and indicate principal water-bearing strata.

| MATERIAL | From | To | SWL |
|------------------------|------|-----|-------|
| Sand & Pumice | 0 | 2 | |
| Clay & Sediments-brown | 2 | 7 | |
| Black lava | 7 | 10 | |
| Pumice-brown | 10 | 27 | |
| White Pumice | 27 | 48 | |
| Black clay & sediments | 48 | 105 | 12/28 |
| Sediments | 105 | 156 | |
| Cinders-red | 156 | 176 | |
| Brown lava | 176 | 186 | |
| Grey lava-frag. | 186 | 209 | |
| Sediments | 209 | 221 | |
| Lava-brown | 221 | 231 | |
| Clay & sediments | 231 | 249 | |
| Sediments-cinders | 249 | 268 | |
| Grey lava-dense | 268 | 306 | |
| Sediments & water | 306 | 331 | 277 |

Work started Nov 16 1977 Completed Nov 26 1977
Date well drilling machine moved off of well Nov. 26 1977

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Robert L. R. Date 11-27-1977
(Drilling Machine Operator)

Drilling Machine Operator's License No.

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name Reed's Well Drilling
(Person, firm or corporation) (Type or print)

Address 20219 Meadow Lane Bend, Oregon

[Signed] _____
(Water Well Contractor)

Contractor's License No. 443 Date Nov. 27 1977

(USE ADDITIONAL SHEETS IF NECESSARY)

GP-4554-119

NOTICE TO WATER WELL CONTRACTOR

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

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

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No.

State Permit No.

APR 17 1978

WATER RESOURCES DEPT.

(1) OWNER:

Name M. R. S. CO.Address RED OAK SQUARE - BEND, OR.
97001

(2) TYPE OF WORK (check):

New Well ☐ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

CASING INSTALLED:

Threaded ☐ Welded ☐

_____ " Diam. from _____ ft. to _____ ft. Gage _____
 _____ " Diam. from _____ ft. to _____ ft. Gage _____
 _____ " Diam. from _____ ft. to _____ ft. Gage _____

PERFORATIONS:

Perforated? ☐ Yes ☒ No.

Type of perforator used _____

| Size of perforations | in. by | in. |
|--|--------|-----|
| _____ perforations from _____ ft. to _____ ft. | | |
| _____ perforations from _____ ft. to _____ ft. | | |
| _____ perforations from _____ ft. to _____ ft. | | |

(7) SCREENS:

Well screen installed? ☐ Yes ☒ No

Manufacturer's Name _____

Type _____ Model No. _____

Diam. _____ Slot size _____ 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

Was a pump test made? ☒ Yes ☐ No If yes, by whom?Yield: 1087 gal./min. with 13 ft. drawdown after 3 hrs.

Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.

Artesian flow _____ g.p.m.

perature of water 51 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used CEMENT GROUTWell sealed from land surface to 58 ft.Diameter of well bore to bottom of seal 10 1/2 in.Diameter of well bore below seal 10 in.Number of sacks of cement used in well seal 11 sacks

Number of sacks of bentonite used in well seal _____ sacks

Brand name of bentonite _____

Number of pounds of bentonite per 100 gallons

of water _____ lbs./100 gals.

Was a drive shoe used? ☐ Yes ☒ No Plugs _____ Size: location _____ ft.Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? _____ depth of strata _____

Method of sealing strata off _____

Was well gravel packed? ☐ Yes ☒ No Size of gravel: _____

Gravel placed from _____ ft. to _____ ft.

(10) LOCATION OF WELL:

County DESCHUTES Driller's well number _____N.W. 1/4 N.W. 1/4 Section 7 T. 18 R. 12-E W.M.

Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well

Depth at which water was first found 306 ft.Static level 254 ft. below land surface. Date 3-4-78

Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 10 "Depth drilled 311 ft. Depth of completed well 311 ft.

Formation: Describe color, texture, grain size and structure of materials; 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 position of Static Water Level and indicate principal water-bearing strata.

| MATERIAL | From | To | SWL |
|-----------------------------------|------|----|-----|
| REAMED 6" WELL 0' TO 58 FT. | | | |
| 15" - INSTALLED 60' OF 10" CASING | | | |
| SEALED SAME WITH 7 SACK MIX | | | |
| SEMI-PT GROUT. 1 1/2 YARDS. | | | |
| REAMED FROM 58' TO 311' WITH | | | |
| TENING, REAMER - COMPLETE | | | |
| DEPTH 311' - WELL TEST | | | |
| PUMPED 3 HRS AT 1087 GAL. | | | |
| PER MIN. | | | |
| Received | | | |
| SEP 30 2024 | | | |
| OWRD | | | |

Work started 12-21 1977 Completed 3-25 1978Date well drilling machine moved off of well 3-27 1978

Drilling Machine Operator's Certification:

This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] William D Down Date 3-27, 1978

(Drilling Machine Operator)

Drilling Machine Operator's License No. 400

Water Well Contractor's Certification:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

Name DAKER DRILLING CO.

(Person, firm or corporation)

(Type or print)

Address 20379 ILLAHEE DR. BEND[Signed] William D Down

(Water Well Contractor)

Contractor's License No. 634 Date 3-27, 1978

(USE ADDITIONAL SHEETS IF NECESSARY)

SP*45658-119

A & H Pump Service

710 "F" AVENUE
TERREBONNE, OREGON 97760

JACK ABBAS
548-5753

ROLLIN HEATER
548-4622

Received

SEP 30 2024

OWRD

Owner's Name: MRS COMPANY
Well Location: % GORDAN RANDALL

Date: 2-28-78 J.O.

WELL TEST DATA SHEET

Test by: JACK

Sheet
of

Orifice Dia. 6" Inches

Flow Tube (I.D.) 8" Inches

Test Pump Suction Set at 245 Feet

Well Driller Bill Dover

Static Water Level: 256 Feet

Depth of Water Measured by:

- ☐ 1. Air Line, Length in Feet: _____
☒ 2. Electronic Probe _____
☐ 3. Other Method, (Describe): _____

| Time | | To Water | Head | Flow | Engine | Remarks |
|---------------------------------|-----|-----------------|---------------|------------|-------------------|--------------------------|
| Hr | Min | Depth ft | Inches | G.P.M. | R.P.M. | |
| 11:00 | | 260' | | | | STARTED pumping |
| 11:40 | | 262' | 19" | 690 | | ONE Engine clearing well |
| 11:50 | | 262' | 19" | 690 | | |
| 12:10 | | 267' | 48" | 1067 | | BOTH ENGINES STARTED |
| 12:25 | | 267' | 48" | 1067 | | cleared up about 5 min |
| 12:35 | | 267' | 48" | 1067 | | |
| | | Stopped pumping | | | | |
| 3:05 | | 267' | 48" | 1078 | | STARTED pumping Again |
| 3:30 | | 267' | 49" | 1078 | | cleared up 5 minutes |
| 4:05 | | 267' | 49" | 1078 | | |
| 4:30 | | 267' | 49" | 1078 | | |
| 4:35 | | STARTED | Surging well | Surged | The well three | |
| | | Times | WATER | cleared | IN About 1 minute | STATIC |
| | | WATER | Level | WAS | BACK UP TO 256 FT | 1 minute |
| | | AFTER | Stopping pump | each time. | | |
| 5:00 | | 267' | 49" | 1078 | | STOPPED pumping |
| TOTAL pumping Time 3 hrs 20 min | | | | | | |

jlh 9-77

11639

Part 5 of 5 – Water Right Information

SUPERSEDED

CERTIFICATE # 68702

Description of Water 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 Tag # L-___) | Twp | | Rng | | Sec | ¼ ¼ | | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------------|---|---|-----|---|-----|---|-----|-----|----|--|--|
| River Well 1 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 |

*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.

Received

SEP 30 2024

OWRD

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-___) | Twp | Rng | Sec | ¼ | ¼ | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------|---|--|------|------|-----|----|----|---------------------------|--|
| Westwood Well | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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):

- | | |
|--|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV) |

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

Received

SEP 30 2024

OWRD

CERTIFICATE # 85415**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)

OWRD

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-___) | Twp | | Rng | | Sec | ¼ ¼ | | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------------|---|---|-----|---|-----|---|-----|-----|----|--|--|
| River Well 1 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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):

- | | |
|---|--|
| <input type="checkbox"/> Place of Use (POU) | <input type="checkbox"/> Supplemental Use to Primary Use (S to P) |
| <input type="checkbox"/> Character of Use (USE) | <input type="checkbox"/> Point of Appropriation/Well (POA) |
| <input type="checkbox"/> Point of Diversion (POD) | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Substitution (SUB) |

CERTIFICATE # 94101**Description of Water Delivery System**

OWRD

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, 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-___) | Twp | Rng | Sec | ¼ ¼ | Tax Lot, DLC or Gov't Lot | Measured Distances (from a recognized survey corner) |
|------------------------|---|--|------|------|-----|-------|---------------------------|--|
| Westwood | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 4 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> 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 of Section 33 |
| Shiloh Well 3 | <input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed | 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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 | <input type="checkbox"/> Authorized <input checked="" type="checkbox"/> 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):