



September 17, 2019

Kelly Starnes
Water Rights Transfer Program
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301

RE: City of Redmond – Application for a Permanent Water Right Transfer

Dear Kelly:

The enclosed application for a water rights transfer, and supporting documentation, is submitted on behalf of the City of Redmond. Also enclosed is the \$3,130 application fee.

The City is proposing to add one point of appropriation (Well 8) to water rights Certificates 87796, 89448, 89447, and 89415.

Please contact me at 541-257-9001 if you have any questions or need additional information.

Sincerely,

A handwritten signature in black ink, appearing to read "Adam Sussman".

Adam Sussman
Principal Water Resources Consultant

Cc: Bill Duerden
City of Redmond Public Works Director

Enclosures: Water Right Transfer Application
Check for application fee in the amount of \$3,130

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

Application for Permanent Water Right Transfer

Part 1 of 5 – Minimum Requirements Checklist

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.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 4 List them here: 87796, 89448, 89447, 89415 Attachment A**
Please include a separate Part 5 for each water right. (See instructions on page 6)
- 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.
- N/A Oregon Water Resources Department’s Land Use Information Form with approval and signature (or signed land use form receipt stub) 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 D**
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **Attachment E**
- 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"/> Part _____ is incomplete
<input type="checkbox"/> Additional signature(s) required	

Other/Explanation _____

Staff: _____ 503-986-0 _____ Date: ____/____/____

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Part 2 of 5 – Transfer Application Map Checklist

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°).

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Permanent Transfer Application Form – Page 2 of 23

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Part 3 of 5 – Fee Worksheet

FEE WORKSHEET for PERMANENT TRANSFER (except Substitution)			
1	Base Fee (includes one type of change to one water right for up to 1 cfs)	1	\$1,160
2	Types of change proposed: <input type="checkbox"/> Place of Use <input type="checkbox"/> Character of Use <input checked="" type="checkbox"/> Point of Diversion/Appropriation Number of above boxes checked = <u>1 (2a)</u> Subtract 1 from the number in line 2a = <u>0 (2b)</u> <i>If only one change, this will be 0</i>		
2	Multiply line 2b by \$930 and enter » » » » » » » » » » » » » » » »	2	0
3	Number of water rights included in transfer <u>4 (3a)</u> Subtract 1 from the number in 3a above: <u>3 (3b)</u> <i>If only one water right this will be 0</i>		
3	Multiply line 3b by \$520 and enter » » » » » » » » » » » » » » » »	3	\$1560
4	Do you propose to add or change a well, or change from a surface water POD to a well? <input type="checkbox"/> No: enter 0 » <input checked="" type="checkbox"/> Yes: enter \$410 »	4	\$410
5	Do you propose to change the place of use or character of use? <input checked="" type="checkbox"/> No: enter 0 on line 5 » <input type="checkbox"/> Yes: enter the cfs for the portions of the rights to be transferred (see example below*): _____ (5a) Subtract 1.0 from the number in 5a above: _____ (5b) If 5b is 0 or less, enter 0 on line 5 » If 5b is greater than 0, round up to the nearest whole number: _____ (5c) and multiply 5c by \$350, then enter on line 5 »		
5		5	0
6	Add entries on lines 1 through 5 above » Subtotal:	6	\$3,130
7	Is this transfer: <input type="checkbox"/> necessary to complete a project funded by the Oregon Watershed Enhancement Board (OWEB) under ORS 541.932? <input type="checkbox"/> endorsed in writing by ODFW as a change that will result in a net benefit to fish and wildlife habitat? If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 » If no box is applicable, enter 0 on line 7 »	7	0
8	Subtract line 7 from line 6 » Transfer Fee:	8	\$3,130

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

1. For irrigation calculate cfs for each water right involved as follows:
 - a. Divide total authorized cfs by total acres in the water right (for C12345, $1.25 \text{ cfs} \div 100 \text{ ac}$); then multiply by the number of acres to be transferred to get the transfer cfs ($x 45 \text{ ac} = 0.56 \text{ cfs}$).
 - b. If the water right certificate does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). (For C87654, $45.0 \text{ ac} \times 0.0125 \text{ cfs/ac} = 0.56 \text{ cfs}$)
- 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).

FEE WORKSHEET for SUBSTITUTION			
1	Base Fee (includes change to one well)	1	\$840.00
2	Number of wells included in substitution _____ (2a) Subtract 1 from the number in 3a above: _____ (2b) <i>If only one well this will be 0</i>		
2	Multiply line 2b by \$410 and enter »	2	
3	Add entries on lines 1 through 2 above » Fee for Substitution:	3	N/A

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Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME City of Redmond ATTN: Bill Duerden			PHONE NO. 541-504-2001	ADDITIONAL CONTACT NO.
ADDRESS 411 SW 9th St				FAX NO.
CITY Redmond	STATE OR	ZIP 97756	E-MAIL Bill.Duerden@ci.redmond.or.us	
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, Attn: Adam Sussman			PHONE NO. 541-257-9001	ADDITIONAL CONTACT NO.
ADDRESS 1600 SW Western Blvd, Suite 240				FAX NO.
CITY Corvallis	STATE OR	ZIP 97333	E-MAIL asussman@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 applicant is proposing to add one point of appropriation (Well 8) to water rights Certificates 87796, 89448, 89447, 89415.

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

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

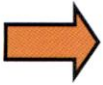
Check One Box

- 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: Redmond Reporter
- 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).

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

[Handwritten Signature]
Applicant signature

Bill Duerden: Public Works Director 9/10/2019
Print Name (and Title if applicable) 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 *If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed.*

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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:

<http://www.oregon.gov/owrd/docs/transfer-propertytransactions.pdf>

RECEIVING LANDOWNER NAME N/A			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS				FAX NO.
CITY	STATE	ZIP	E-MAIL	

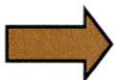
Describe any special ownership circumstances here: **Applicant is a municipality and all water rights proposed for transfer are for municipal use.**

- 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.) **Note: Water rights are not served by, or issued in the name of, an irrigation district and are for municipal use.**

IRRIGATION DISTRICT NAME Central Oregon Irrigation District	ADDRESS 1055 SW LAKE CT	
CITY REDMOND	STATE OR	ZIP 97756

- 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 REDMOND	ADDRESS 411 SW 9th St	
CITY Redmond	STATE OR	ZIP 97756

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Part 5 of 5 – Water Right Information

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

CERTIFICATE # 87796

Description of Water Delivery System

System capacity: 27.76 cubic feet per second (cfs) **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. **Currently, six wells are used by the City of Redmond. Each well is equipped with a submersible pump. Water is treated at the well sites and conveyed through the city municipal water system.**

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)
Well 1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3853	15 S	13 E	9	NE	NW	2900	South 83 degrees 30 minutes West, 546 feet from N1/4 corner, Section 9*
Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3879	15 S	13 E	16	NW	SW	600	North 27 degrees 24 minutes East, 1800 feet from SW corner, Section 16*
Well 4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 407	15 S	13 E	20	SE	SW	2300	North 82 degrees 41 minutes West, 3945 feet from SE corner, Section 20*
Well 5	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 51647	15 S	13 E	20	NE	NE	2900	South 5 degrees 48 minutes West, 1200 feet from NE corner, Section 20*
Well 6	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 55853	15 S	13 E	21	NW	SE	400	North 35 degrees 38 minutes 4 seconds west, 2444 feet from SE corner, Section 21*
Well 7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 57788	15 S	13 E	10	SW	SE	1100	1210 feet North and 1640 feet West from SE corner, Section 10*
Well 8	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	15 S	13 E	19	SE	SW	102	513 feet North and 2,807 feet West from the SE corner of Section 19
* The location listed provides a more accurate description of the POA location than the description given in Certificate 87796 and these descriptions match those presented on Certificates 89447, 89448, and 89415									

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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 # 87796

List the change proposed for the acreage in each 1/4 1/4. 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	1/4	1/4	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	1/4	1/4	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	Service Area of the City of Redmond										Well 1 Well 2 Well 4 Well 5 Well 6 Well 7 Well 8	11/25/1991	
TOTAL ACRES:												TOTAL ACRES:														

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

If YES, list the certificate, water use permit, or ground water registration numbers: N/A – The authorized use is municipal use, so water rights are not 'layered.'



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)

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. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) intervals	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Well 8	No		880 feet	16 in.	+2-525	0-300 feet	525-880 (assemblage)	325 ft	Basalt and Alluvial Deposits	3,500 gpm

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Part 5 of 5 – Water Right Information

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

CERTIFICATE # 89448

Description of Water Delivery System

System capacity: 27.76 cubic feet per second (cfs) 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. **Currently, six wells are used by the City of Redmond. Each well is equipped with a submersible pump. Water is treated at the well sites and conveyed through the city municipal water system.**

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)
Well 1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3853	15	S	13	E	9	NE	NW	2900	South 83 degrees 30 minutes West, 546 feet from N1/4 corner, Section 9
Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3879	15	S	13	E	16	NW	SW	600	North 27 degrees 24 minutes East, 1800 feet from SW corner, Section 16
Well 4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 407	15	S	13	E	20	SE	SW	2300	North 82 degrees 41 minutes West, 3945 feet from SE corner, Section 20
Well 5	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 51647	15	S	13	E	20	NE	NE	2900	South 5 degrees 48 minutes West, 1200 feet from NE corner, Section 20
Well 6	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 55853	15	S	13	E	21	NW	SE	400	North 35 degrees 38 minutes 4 seconds west, 2444 feet from SE corner, Section 21
Well 7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 57788	15	S	13	E	10	SW	SE	1100	1210 feet North and 1640 feet West from SE corner, Section 10
Well 8	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	15	S	13	E	19	SE	SW	102	513 feet North and 2,807 feet West from the SE corner of Section 19

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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 # 89448

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												Well 1 Well 2 Well 4 Well 5 Well 6 Well 7 Well 8	3/27/1975
TOTAL ACRES:												TOTAL ACRES:														

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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

If YES, list the certificate, water use permit, or ground water registration numbers: N/A – The authorized use is municipal use, so water rights are not 'layered.'



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)

Ground water supplemental Permit or Certificate # _____;
Surface water primary Certificate # _____.

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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. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) intervals	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Well 8	No		880 feet	16 in.	+2-525	0-300 feet	525-880 (assemblage)	325 ft	Basalt and Alluvial Deposits	3,500 gpm

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Part 5 of 5 – Water Right Information

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

CERTIFICATE # 89447

Description of Water Delivery System

System capacity: 27.76 cubic feet per second (cfs) **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. **Currently, six wells are used by the City of Redmond. Each well is equipped with a submersible pump. Water is treated at the well sites and conveyed through the city municipal water system.**

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)
Well 1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3853	15	S	13	E	9	NE	NW	2900	South 83 degrees 30 minutes West, 546 feet from N1/4 corner, Section 9
Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3879	15	S	13	E	16	NW	SW	600	North 27 degrees 24 minutes East, 1800 feet from SW corner, Section 16
Well 4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 407	15	S	13	E	20	SE	SW	2300	North 82 degrees 41 minutes West, 3945 feet from SE corner, Section 20
Well 5	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 51647	15	S	13	E	20	NE	NE	2900	South 5 degrees 48 minutes West, 1200 feet from NE corner, Section 20
Well 6	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 55853	15	S	13	E	21	NW	SE	400	North 35 degrees 38 minutes 4 seconds west, 2444 feet from SE corner, Section 21
Well 7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 57788	15	S	13	E	10	SW	SE	1100	1210 feet North and 1640 feet West from SE corner, Section 10
Well 8	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	15	S	13	E	19	SE	SW	102	513 feet North and 2,807 feet West from the SE corner of Section 19

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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 # 89447

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		
																										POD #6	1901	
													APOA														Well 1 Well 2 Well 4 Well 5 Well 6 Well 7 Well 8	9/5/1969
TOTAL ACRES:											TOTAL ACRES:																	

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

If YES, list the certificate, water use permit, or ground water registration numbers: N/A – The authorized use is municipal use, so water rights are not 'layered.'



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)

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. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) intervals	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Well 8	No		880 feet	16 in.	+2-525	0-300 feet	525-880 (assemblage)	325 ft	Basalt and Alluvial Deposits	3,500 gpm

Part 5 of 5 – Water Right Information

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

CERTIFICATE # 89415

Description of Water Delivery System

System capacity: 27.76 cubic feet per second (cfs) **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. **Currently, six wells are used by the City of Redmond. Each well is equipped with a submersible pump. Water is treated at the well sites and conveyed through the city municipal water system.**

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)
Well 1	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3853	15 S	13 E	9	NE	NW	2900	South 83 degrees 30 minutes West, 546 feet from N1/4 corner, Section 9
Well 2	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 3879	15 S	13 E	16	NW	SW	600	North 27 degrees 24 minutes East, 1800 feet from SW corner, Section 16
Well 4	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 407	15 S	13 E	20	SE	SW	2300	North 82 degrees 41 minutes West, 3945 feet from SE corner, Section 20
Well 5	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 51647	15 S	13 E	20	NE	NE	2900	South 5 degrees 48 minutes West, 1200 feet from NE corner, Section 20
Well 6	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 55853	15 S	13 E	21	NW	SE	400	North 35 degrees 38 minutes 4 seconds west, 2444 feet from SE corner, Section 21
Well 7	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 57788	15 S	13 E	10	SW	SE	1100	1210 feet North and 1640 feet West from SE corner, Section 10
Well 8	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	15 S	13 E	19	SE	SW	102	513 feet North and 2,807 feet West from the SE corner of Section 19

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 # 89415

List the change proposed for the acreage in each 1/4 1/4. 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	1/4	1/4	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	1/4	1/4	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 Attachment A								Well 1 Well 2 Well 4 Well 5 Well 6 Well 7 Well 8	9/25/1985		
							TOTAL ACRES:													TOTAL ACRES:					

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

If YES, list the certificate, water use permit, or ground water registration numbers: N/A – The authorized use is municipal use, so water rights are not ‘layered.’



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)

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. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) intervals	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). If less than full rate of water right
Well 8	No		880 feet	16 in.	+2-525	0-300 feet	525-880 (assemblage)	325 ft	Basalt and Alluvial Deposits	3,500 gpm

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Attachment A
Certificates 87796, 89448, 89447, 89415
Application for a Water Right Transfer– Certificates 87796, 89448, 89447, 89415 –
City of Redmond

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STATE OF OREGON
COUNTY OF DESCHUTES
CERTIFICATE OF WATER RIGHT

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THIS CERTIFICATE ISSUED TO

CITY OF REDMOND
716 SW EVERGREEN AVE
REDMOND OR 97756

confirms the right to use the waters of SIX WELLS within the DESCHUTES BASIN for MUNICIPAL USE.

This right was perfected under Permit G-12401. The date of priority is NOVEMBER 25, 1991. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 5.0 CUBIC FEET PER SECOND, from any single well or any combination of the wells, or its equivalent in case of rotation, measured at the wells.

The period of allowed use is Year Round.

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
15 S	13 E	WM	9	NE NW	WELL 1 - SOUTH 89 DEGREES 49 MINUTES WEST, 532.67 FEET FROM N1/4 CORNER, SECTION 9
15 S	13 E	WM	16	NW SW	WELL 2 - 990 FEET SOUTH & 660 FEET EAST FROM W1/4 CORNER, SECTION 16
15 S	13 E	WM	20	SE SW	WELL 4 - 520 FEET NORTH & 1430 FEET EAST FROM SW CORNER, SECTION 20
15 S	13 E	WM	20	NE NE	WELL 5 - 1200 FEET SOUTH & 150 FEET WEST FROM NE CORNER, SECTION 20
15 S	13 E	WM	21	NW SE	WELL 6 - 1950 FEET NORTH & 1430 FEET WEST FROM SE CORNER, SECTION 21
15 S	13 E	WM	10	SW SE	WELL 7 - 1194 FEET NORTH & 1772 FEET WEST FROM SE CORNER, SECTION 10

A description of the place of use is as follows:

City of Redmond
Service Area

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 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and 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 within three months after issuance of the certificate.

Measurement, recording and reporting conditions:

- A. The water user shall maintain the meters or measuring devices in good working order, shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the water user to report general water-use information, including the place and nature of use of water under the right.
- 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.

The quantity of water diverted at the new point of appropriation (well), together with the quantity of diverted at the old point of appropriation, shall not exceed the quantity of water available from the original point of appropriation.

Use of water under this certificate may be regulated if analysis of data available after the certificate is issued 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 the right or as those quantities may be subsequently reduced.

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 adequate to determine water level elevation in the wells at all times.

The Director may require water level or pump test results every ten years.

Failure to comply with any of the provisions of this right may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the right.

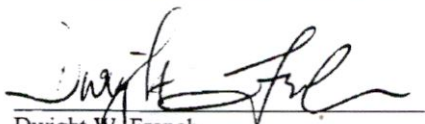
This right is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

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

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

Issued NOV 30 2012


Dwight W. French
Water Rights Services Administrator, for
Phillip C. Ward, Director

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STATE OF OREGON
 COUNTY OF DESCHUTES
 CERTIFICATE OF WATER RIGHT

RECEIVED

SEP 18 2019

OWRD

THIS CERTIFICATE ISSUED TO

CITY OF REDMOND
 243 E. ANTLER AVENUE #100
 REDMOND OR 97756

confirms the right to use the waters of SIX WELLS, in Deschutes Basin for MUNICIPAL USE.

This right was perfected under Permit G-6793. The date of priority is MARCH 27, 1975. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 3.30 CUBIC FEET PER SECOND (CFS), BEING: 1.56 CFS FROM WELL 1, 1.89 CFS FROM WELL 2, 2.64 CFS FROM WELL 4, 3.30 CFS FROM WELL 5, 3.30 CFS FROM WELL 6, AND 3.30 CFS FROM WELL 7, IN ANY COMBINATION, or its equivalent in case of rotation, measured at the well.

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
15 S	13 E	WM	9	NE NW	WELL # 1 (DESC 3853) - SOUTH 83 DEGREES 30 MINUTES WEST, 546 FEET FROM N1/4 CORNER, SECTION 9
15 S	13 E	WM	10	SW SE	WELL # 7 (DESC 57788) -1210 FEET NORTH AND 1640 FEET WEST FROM SE CORNER, SECTION 10
15 S	13 E	WM	16	NW SW	WELL # 2 (DESC 3879) - NORTH 27 DEGREES 24 MINUTES EAST, 1800 FEET FROM SW CORNER, SECTION 16
15 S	13 E	WM	20	NE NE	WELL # 5 (DESC 51647) - SOUTH 5 DEGREES 48 MINUTES WEST, 1200 FEET FROM NE CORNER, SECTION 20
15 S	13 E	WM	20	SE SW	WELL # 4 (DESC 407) - NORTH 82 DEGREES 41 MINUTES WEST, 3945 FEET FROM SE CORNER, SECTION 20
15 S	13 E	WM	21	NW SE	WELL # 6 (DESC 55853) - NORTH 35 DEGREES 38 MINUTES 4 SECONDS WEST, 2444 FEET FROM SE CORNER, SECTION 21

The place of use is as follows:

MUNICIPAL USE					
Twp	Rng	Mer	Sec	GLot	Q-Q
15 S	13 E	WM	4	1	NE NE
15 S	13 E	WM	4	2	NW NE
15 S	13 E	WM	4		S 1/2 NE 1/4
15 S	13 E	WM	4	3	NE NW
15 S	13 E	WM	4	4	NW NW
15 S	13 E	WM	4		S 1/2 NW 1/4
15 S	13 E	WM	4		SW 1/4

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 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482. Pursuant to ORS 183.482, ORS 536.075 and OAR 137-003-0675, you may petition for judicial review and 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.

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MUNICIPAL USE					
Twp	Rng	Mer	Sec	GLot	Q-Q
15 S	13 E	WM	4		SE 1/4
15 S	13 E	WM	8		E 1/2 NE 1/4
15 S	13 E	WM	8		E 1/2 SE 1/4
15 S	13 E	WM	9		ALL
15 S	13 E	WM	10		NW NW
15 S	13 E	WM	10		S 1/2 NW 1/4
15 S	13 E	WM	10		SW 1/4
15 S	13 E	WM	15		NW 1/4
15 S	13 E	WM	15		SW 1/4
15 S	13 E	WM	15		NW SE
15 S	13 E	WM	15		S 1/2 SE 1/4
15 S	13 E	WM	16		ALL
15 S	13 E	WM	17		E 1/2 NE 1/4
15 S	13 E	WM	17		E 1/2 SE 1/4
15 S	13 E	WM	19		SE SW
15 S	13 E	WM	19		E 1/2 SE 1/4
15 S	13 E	WM	19		SW SE
15 S	13 E	WM	20		E 1/2 NE 1/4
15 S	13 E	WM	20		SW NE
15 S	13 E	WM	20		SW 1/4
15 S	13 E	WM	20		SE 1/4
15 S	13 E	WM	21		N 1/2 NE 1/4
15 S	13 E	WM	21		NW 1/4
15 S	13 E	WM	21		N 1/2 SW 1/4
15 S	13 E	WM	21		SW SW
15 S	13 E	WM	22		ALL
15 S	13 E	WM	23		W 1/2 NE 1/4
15 S	13 E	WM	23		NW 1/4
15 S	13 E	WM	23		SW 1/4
15 S	13 E	WM	23		W 1/2 SE 1/4
15 S	13 E	WM	26		NW NE
15 S	13 E	WM	26		NW 1/4
15 S	13 E	WM	27		N 1/2
15 S	13 E	WM	29		E 1/2 NE 1/4
15 S	13 E	WM	29		NW NE
15 S	13 E	WM	30		NE NW

Measurement, recording and reporting 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.

The 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 point of appropriation, being (WELL #2 DESC 3879).

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The water user shall maintain headgates, in-line flow meters, weirs, or other suitable devices for measuring and recording the quantity of water diverted and keep a complete record of the amount of ground water withdrawn.

Water shall be acquired from the same aquifer (water source) as the original point of appropriation, being (WELL #2 DESC 3879).

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.

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

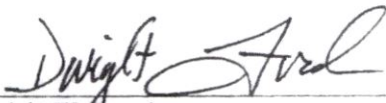
The use of water shall be limited when it interferes with any prior surface or ground water rights.

The right to the use of the water is restricted to beneficial use on place of use described, and is subject to all other conditions and limitations contained herein.

This certificate is issued to confirm ADDITIONAL POINTS OF APPROPRIATION approved by an order of the Water Resources Director entered AUGUST 6, 2012, at Special Order Volume 88, Page 261, approving Transfer Application T-11343 and supersedes Certificate 86244, State Record of Water Right Certificates.

The Final Order approving transfer T-11343, certificate 89413, contained an omission in the description of the place of use.

Issued AUG 15 2014



Dwight W. French
Water Right Services Division Administrator, for
Director

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STATE OF OREGON
 COUNTY OF DESCHUTES
 CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO
 CITY OF REDMOND
 243 E. ANTLER AVENUE #100
 REDMOND OR 97756

confirms the right to use the waters of SIX WELLS in the DESCHUTES RIVER BASIN for MUNICIPAL USES.

This right was perfected under permit G-4700. The date of priority is SEPTEMBER 5, 1969. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 2.22 CUBIC FEET PER SECOND (IF AVAILABLE AT WELL NO. 1 (DESC 3853), THE ORIGINAL POINT OF APPROPRIATION) or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
15 S	13 E	WM	9	NE NW	WELL # 1 (DESC 3853) - SOUTH 83 DEGREES 30 MINUTES WEST, 546 FEET FROM N1/4 CORNER, SECTION 9
15 S	13 E	WM	10	SW SE	WELL # 7 (DFSC 57788) -1210 FEET NORTH AND 1640 FEET WEST FROM SE CORNER, SECTION 10
15 S	13 E	WM	16	NW SW	WELL # 2 (DESC 3879) - NORTH 27 DEGREES 24 MINUTES EAST, 1800 FEET FROM SW CORNER, SECTION 16
15 S	13 E	WM	20	NE NE	WELL # 5 (DESC 51647) - SOUTH 5 DEGREES 48 MINUTES WEST, 1200 FEET FROM NE CORNER, SECTION 20
15 S	13 E	WM	20	SE SW	WELL # 4 (DFSC 407) - NORTH 82 DEGREES 41 MINUTES WEST, 3945 FEET FROM SE CORNER, SECTION 20
15 S	13 E	WM	21	NW SE	WELL # 6 (DESC 55853) - NORTH 35 DEGREES 38 MINUTES 4 SECONDS WEST, 2444 FEET FROM SE CORNER, SECTION 21

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

The place of use is as follows:

MUNICIPAL USE				
Twp	Rng	Mer	Sec	Q-Q
15 S	13 E	WM	4	NE SW
15 S	13 E	WM	4	S 1/2 SW 1/4
15 S	13 E	WM	9	NE 1/4
15 S	13 E	WM	9	N 1/2 NW 1/4

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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 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482. Pursuant to ORS 183.482, ORS 536.075 and OAR 137-003-0675, you may petition for judicial review and 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.

MUNICIPAL USE				
Twp	Rng	Mer	Sec	Q-Q
15 S	13 E	WM	9	E 1/2 SW 1/4
15 S	13 E	WM	9	SE 1/4
15 S	13 E	WM	10	NW NW
15 S	13 E	WM	10	SW SW
15 S	13 E	WM	15	W 1/2
15 S	13 E	WM	15	NW SE
15 S	13 E	WM	15	S 1/2 SE 1/4
15 S	13 E	WM	16	ALL
15 S	13 E	WM	17	NE 1/4
15 S	13 E	WM	17	E 1/2 NW 1/4
15 S	13 E	WM	17	E 1/2 SE 1/4
15 S	13 E	WM	19	SE SW
15 S	13 E	WM	19	SE 1/4
15 S	13 E	WM	20	E 1/2
15 S	13 E	WM	20	E 1/2 NW 1/4
15 S	13 E	WM	20	W 1/2 SW 1/4
15 S	13 E	WM	20	SE SW
15 S	13 E	WM	21	E 1/2 NE 1/4
15 S	13 E	WM	21	NW NE
15 S	13 E	WM	21	W 1/2
15 S	13 E	WM	22	N 1/2
15 S	13 E	WM	23	NW NW
15 S	13 E	WM	29	E 1/2 NE 1/4
15 S	13 E	WM	29	NW NE
15 S	13 E	WM	30	NE NW

Measurement, recording and reporting 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 any 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, being WELL #1 (DESC 3853).

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

The quantity of water diverted at the additional point of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water available from the original point of appropriation, being WELL #1 (DESC 3853).

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; however, 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 use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained herein.

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This certificate corrects a scrivener's error in the identification of the original point of appropriation.

This certificate is issued to confirm an ADDITIONAL POINT OF APPROPRIATION approved by an order of the Water Resources Director entered AUGUST 6, 2012, at Special Order Volume 88, Page 251, approving Transfer Application T-11342 and supersedes Certificate 86245, State Record of Water Right Certificates.

The Final Order approving transfer T-11342, certificate 89414, contained an omission in the description of the place of use.

Issued AUG 15 2014



Dwight W. French
Water Right Services Division Administrator,
For Director

STATE OF MONTANA
WATER RESOURCES DIVISION

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STATE OF OREGON
 COUNTY OF DESCHUTES
 CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF REDMOND
 243 E. ANTLER AVENUE #100
 REDMOND OR 97756

confirms the right to use the waters of SIX WELLS in the DESCHUTES RIVER BASIN for MUNICIPAL USES.

This right was perfected under permit G-10544. The date of priority is SEPTEMBER 25, 1985. The amount of water to which this right is entitled is limited to an amount actually used beneficially, and shall not exceed 6.90 CUBIC FEET PER SECOND (IF AVAILABLE AT WELL NO. 4, THE ORIGINAL POINT OF APPROPRIATION) or its equivalent in case of rotation, measured at the wells.

The wells are located as follows:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
15 S	13 E	WM	9	NE NW	WELL # 1 (DESC 3853) - SOUTH 83 DEGREES 30 MINUTES WEST, 546 FEET FROM N1/4 CORNER, SECTION 9
15 S	13 E	WM	10	SW SE	WELL # 7 (DESC 57788) - 1210 FEET NORTH AND 1640 FEET WEST FROM SE CORNER, SECTION 10
15 S	13 E	WM	16	NW SW	WELL # 2 (DESC 3879) - NORTH 27 DEGREES 24 MINUTES EAST, 1800 FEET FROM SW CORNER, SECTION 16
15 S	13 E	WM	20	NE NE	WELL # 5 (DESC 51647) - SOUTH 5 DEGREES 48 MINUTES WEST, 1200 FEET FROM NE CORNER, SECTION 20
15 S	13 E	WM	20	SE SW	WELL # 4 (DESC 407) - NORTH 82 DEGREES 41 MINUTES WEST, 3945 FEET FROM SE CORNER, SECTION 20
15 S	13 E	WM	21	NW SE	WELL # 6 (DESC 55853) - NORTH 35 DEGREES 38 MINUTES 4 SECONDS WEST, 2444 FEET FROM SE CORNER, SECTION 21

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

The place of use is as follows:

MUNICIPAL USE					
Twp	Rng	Mer	Sec	GLot	Q-Q
15 S	13 E	WM	4	1	NE NE
15 S	13 E	WM	4	2	NW NE
15 S	13 E	WM	4		S 1/2 NE 1/4
15 S	13 E	WM	4	3	NE 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 183.482. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.482. Pursuant to ORS 183.482, ORS 536.075 and OAR 137-003-0675, you may petition for judicial review and 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.

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MUNICIPAL USE					
Twp	Rng	Mer	Sec	GLot	Q-Q
15 S	13 E	WM	4	4	NW NW
15 S	13 E	WM	4		S 1/2 NW 1/4
15 S	13 E	WM	4		S 1/2
15 S	13 E	WM	8		E 1/2 NE 1/4
15 S	13 E	WM	8		NE SW
15 S	13 E	WM	8		SE 1/4
15 S	13 E	WM	9		ALL
15 S	13 E	WM	10		W 1/2 NW 1/4
15 S	13 E	WM	10		SE NW
15 S	13 E	WM	10		SW 1/4
15 S	13 E	WM	14		SW SW
15 S	13 E	WM	15		NW 1/4
15 S	13 E	WM	15		SW 1/4
15 S	13 E	WM	15		NW SE
15 S	13 E	WM	15		S 1/2 SE 1/4
15 S	13 E	WM	16		ALL
15 S	13 E	WM	17		NE 1/4
15 S	13 E	WM	17		S 1/2 NW 1/4
15 S	13 E	WM	17		E 1/2 SE 1/4
15 S	13 E	WM	19		SE SW
15 S	13 E	WM	19		NE SE
15 S	13 E	WM	19		S 1/2 SE 1/4
15 S	13 E	WM	20		ALL
15 S	13 E	WM	21		ALL
15 S	13 E	WM	22		ALL
15 S	13 E	WM	23		W 1/2 NE 1/4
15 S	13 E	WM	23		W 1/2
15 S	13 E	WM	23		W 1/2 SE 1/4
15 S	13 E	WM	26		NW NE
15 S	13 E	WM	26		NW 1/4
15 S	13 E	WM	27		N 1/2
15 S	13 E	WM	28		N 1/2
15 S	13 E	WM	28		NE SW
15 S	13 E	WM	28		NW SE
15 S	13 E	WM	29		NE 1/4
15 S	13 E	WM	30		NE NW

Measurement, recording and reporting 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 any 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.

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

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The quantity of water diverted at the additional point of appropriation, together with that diverted at the old points of appropriation, shall not exceed the quantity of water available from the original point of appropriation, being WELL#4 (DESC 407).

The use of the water is restricted to beneficial use at the place of use described, and is subject to all other conditions and limitations contained herein.

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; however, 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 to confirm an ADDITIONAL POINT OF APPROPRIATION approved by an order of the Water Resources Director entered AUGUST 6, 2012, at Special Order Volume 88, Page 251, approving Transfer Application T-11342 and supersedes Certificate 86246, State Record of Water Right Certificates.

Issued JUL 31 2014



Dwight W. French
Water Right Services Division Administrator,
For Director

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Attachment B
Application Maps

Application for a Water Right Transfer– Certificates 87796, 89448, 89447, 89415 –
City of Redmond

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Bruce Brody-Heine

From: STARNES Patrick K * WRD <Patrick.K.Starnes@oregon.gov>
Sent: Tuesday, August 27, 2019 11:22 AM
To: Bruce Brody-Heine
Subject: RE: Transfer Map Scale Waiver request.

Hi Bruce –

The Department grants a map scale waiver for your attached transfer application maps.

Please attach a copy of this e-mail to the map when you send in the application.

Kelly

Kelly Starnes, Transfer Program Analyst
Oregon Water Resources Department
725 Summer St NE Suite A
Salem OR 97301-1271
Telephone: 503-986-0886 Fax: 503-986-0903
E-mail: patrick.k.starnes@oregon.gov

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.

From: Bruce Brody-Heine <BBheine@gsiws.com>
Sent: Monday, August 26, 2019 12:23 PM
To: STARNES Kelly <patrick.k.starnes@state.or.us>
Cc: Lisa Jaramillo <lisa.j.jaramillo@state.or.us>; Zach Pike-Urlacher <zpikeurlacher@gsiws.com>
Subject: Transfer Map Scale Waiver request.

Hi Kelly,

Hope you are having a good summer.

GSI is preparing a transfer application for the City of Redmond that adds a POA to 4 certificated rights. To show the POAs and the authorized POU (which covers a large geographic area) the maps are oversized (11x17 size page paper). In addition, to show all the POAs and the POU on one figure the maps are presented at a scale of 1"=3,000'. We are requesting a map-scale waiver for the 4 maps that will be submitted with the application.

As required we will submit 3 copies of the oversized maps with the application and an electronic copy of the maps also.

I have included on of the maps with this email as an example of what the submitted maps will look like.

Thank you for considering this map scale waiver request.

Bruce

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Attachment C
Evidence of Use Affidavit
Application for a Water Right Transfer– Certificates 87796, 89448, 89447, 89415 –
City of Redmond

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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)
)
 City of Redmond)

I, **Bill Duerden** _____, in my capacity as **Public Works Director**,
 mailing address **411 SW 9th St. Redmond, OR 97756** _____
 telephone number **(541) 504-2001** _____, 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 87796, 89448, 89447, 89415** ; 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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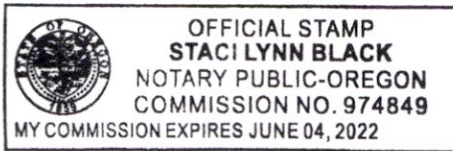
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3. The water right was used for: (e.g., crops, pasture, etc.): MUNICIPAL WATER SUPPLY
4. I understand that if I do not attach one or more of the documents shown in the table below to support the above statements, my application will be considered incomplete.

[Signature]
Signature of Affiant

9/10/2019
Date

Signed and sworn to (or affirmed) before me this 10 day of Sept., 2019.



[Signature]
Notary Public for Oregon

My Commission Expires: June 4, 2022

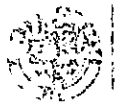
Supporting Documents	Examples
<input type="checkbox"/> Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate)	Copy of confirming water right certificate that shows issue date
<input type="checkbox"/> Copies of receipts from sales of irrigated 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).	This is a municipal water right and a presumption of forfeiture would be rebutted under ORS 540.610(2)(a) and (b). See four water right certificates in transfer application, Attachment A.

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Attachment D

Land Use Information Form

Application for a Water Right Transfer– Certificates 87796, 89448, 89447, 89415 –
City of Redmond

13254

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 Redmond

Mailing Address: 411 SW 9th St.

City: Redmond

State: OR

Zip Code: 97756

Daytime Phone: 541-504-2001

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>15 S</u>	<u>13 E</u>	19	SE SW	102		<input checked="" type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	<u>Municipal</u>
_____	_____					<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____
_____	_____					<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____
_____	_____					<input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used	_____

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

City of Redmond, Oregon

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: 17.42 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 Redmond proposes to add a proposed well (Well 8) to water rights certificates (87796, 89448, 89415, 89447).

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.

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 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: Scott Woodford Title: Senior Planner
 Signature: [Signature] Phone: 541 923 7758 Date: 9/10/19
 Government Entity: City of Redmond

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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Well 1 DESC 3853
Well 2 DESC 3879
Well 4 DESC 407
Well 5 DESC 51647
Well 6 DESC 55853
Well 7 DESC 57788

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SEP 18 2019
OWRD

Attachment E
Well Logs

Application for a Water Right Transfer– Certificates 87796, 89448, 89447, 89415 –
City of Redmond

13254

G4981

H

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.

RECEIVED
AUG 13 1969
STATE ENGINEER SALEM, OREGON

WATER WELL REPORT
 (Please type or print)
 Do not write above this line.

DESC
3853

State Well No. 15/13-9ab
 State Permit No. _____

(1) OWNER:

Name CITY OF REDMOND ORE.
 Address CITY HALL REDMOND ORE.

(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
 1600" Diam. from 0 ft. to 29 ft. Gage 250
 28" Diam. from 0 ft. to 300 ft. Gage 250

PERFORATIONS:

Perforated? Yes No.
 of perforator used FACTORY
 Size of perforations 2 in. by 2 in.
 3200 perforations from 200 ft. to 300 ft.
 13254 perforations from _____ ft. to _____ ft.

(7) SCREENS:

Well screen installed? Yes No
 Manufacturer's Name _____ Model No. _____
 Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.
 Diam. _____ Slot size _____ Set from _____ ft. to _____ ft.

(8) WATER LEVEL: Completed well.

Static level 168 ft. below land surface Date 7-15-69
 Artesian pressure _____ lbs. per square inch Date _____

(9) WELL TESTS:

Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? GED-BAKER
 : 500 gal./min. with NO ft. drawdown after 5 hrs.
1300 " 40 " 72 "
2400 " 73 " 2 "
 Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
 Artesian flow _____ g.p.m. Date _____
 Temperature of water 54 Was a chemical analysis made? Yes No

(10) CONSTRUCTION:

Well seal—Material used CEMENT-GROUT
 Depth of seal 29
 Diameter of well bore to bottom of seal 18 in.
 Were any loose strata cemented off? Yes No
 Was a drive shoe used? Yes No
 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: extensive
 Gravel placed from 300 ft. to 159 ft.

(11) LOCATION OF WELL:

County DESC Driller's well number _____
 NE 1/4 NW 1/4 Section 9 T. 15S. R. 13E W.M.
 Bearing and distance from section or subdivision corner _____

(12) WELL LOG:

Diameter of well below casing 3 1/2
 Depth drilled 330 ft. Depth of completed well 300 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 as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
OVER BUCKET	0	5	
HARD LAVA	5	17	
BOULDER CONG.	17	20	
SOFT LAVA	20	38	
HARD RED LAVA	38	50	
BROKEN RED LAVA	50	56	
HARD GREY LAVA	56	78	
RED CONG.	78	88	
MED HARD RED LAVA	88	96	
HARD BLUE LAVA	96	108	
SOFT DOWN LAVA	108	118	
SOFT CONG.	118	129	
SOFT GREY LAVA	129	133	
CRUIS	133	140	
CALCINE BOULDER CONG.	140	157	
SAND STONE	157	158	
SOFT LAVA	158	159	
WATER BEARING SAND	159	175	
HARD BLUE GRAY	175	220	
RED CLINDENS	220	235	
WATER BEARING PUMICE	235	265	
CLAYE SAND	265	280	
SILT SAND	280	320	168

Work started 4-11 1969 Completed 7-15 1969
 Date well drilling machine moved off of well 7-15 1969

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] Thomas Jackson Date 8-1, 1969
 (Drilling Machine Operator)

Drilling Machine Operator's License No. 320

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 JACKSON DRILLING
 (Person, firm or corporation) (Type or print)

Address REDMOND ORE.

[Signed] Thomas Jackson
 (Water Well Contractor)

Contractor's License No. 442 Date 8-1, 1969

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)

RECEIVED

FEB 18 1975

STATE ENGINEER SALEM, OREGON

State Well No. 155/13E-16cb

State Permit No.

DESC 3879
RECEIVED
SEP 18 1975
OWRD

(1) OWNER:

Name City of Redmond
Address Redmond, Oregon

(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
 Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded
16" Diam. from #2 ft. to 280 ft. Gage .250
14" Diam. from 255 ft. to 433 ft. Gage .250
" Diam. from ft. to ft. Gage

(5) PERFORATIONS:

Perforated? Yes No.

Type of perforator used Factory slot
Size of perforations 6 in. by 1/8 in.
2,000 perforations from 255 ft. to 423 ft.
perforations from ft. to ft.
perforations from ft. to ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name _____ Model No. _____
Type _____ 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? H. & H. Drilling, Inc.
: 1174 gal./min. with 35 ft. drawdown after 29 hrs.
" " " " " "
" " " " " "
Bailer test gal./min. with ft. drawdown after hrs.
sian flow g.p.m.
perature of water 52 Depth artesian flow encountered _____ ft.

(9) CONSTRUCTION:

Well seal—Material used Portland Cement
Well sealed from land surface to 280 ft.
Diameter of well bore to bottom of seal 18 to 40 to 20" ft.
Diameter of well bore below seal 18 to 16 in.
Number of sacks of cement used in well seal 34 1/2 Yards _____ 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? potable 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 SW 1/4 Section 16 T. 15 S. R. 13 East W.M.
Bearing and distance from section or subdivision corner _____

(11) WATER LEVEL: Completed well.

Depth at which water was first found 278 ft.
Static level 265 ft. below land surface. Date 2-11-75
Artesian pressure _____ lbs. per square inch. Date _____

(12) WELL LOG:

Diameter of well below casing 16 to bottom

Depth drilled 452 ft. Depth of completed well 452 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
Top Soil	0	4	
Mild Brown Lava	4	15	
Brown Conglomerate	15	85	
Pumice	85	95	
Tan Conglom.	95	157	
Loose Black Cinders	157	164	
Hard Black Lava	164	205	
Red Cinders	205	225	
Black Sand	225	236	
Brown Sandstone	236	278	
Water bearing Brown Sandstone	278	400	265
Hard Clay stone	400	427	
Tan " with some sand gravel	427	433	
Hard Clay stone	433	449	
Black Basalt	449	452	

Work started 2-15 1974 Completed 2-11 1975
Date well drilling machine moved off of well 2-11 1975

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] Tom Stetson Date 2-11, 19 75
(Drilling Machine Operator)
Drilling Machine Operator's License No. 558

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 H. & H. DRILLING, INC. (Type or print)
(Person, firm or corporation)
Address P.O. Box 51 Redmond, Oregon 97756
[Signed] Tom Stetson (Water Well Contractor)
Contractor's License No. 488 Date 2-11, 19 75

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

JUL 12 1985

WATER RESOURCES DEPT SALEM, OREGON

Deschutes 407 sec. 15S/13E-2200 per Wm 10 22' CW (for official use only)

(1) OWNER:

Name City of Redmond Address City Hall City Redmond State Oreg. 97756

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon []

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [] Driven [] Domestic [] Industrial [] Municipal [X] Rotary Mud [] Dug [] Irrigation [] Withdrawal [] Reinjection [] Bored [] Other: Piezometric [] Grounding [] Test []

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [X] Irrigation [] Withdrawal [] Reinjection [] Other: Piezometric [] Grounding [] Test []

(5) CASING INSTALLED:

18" Diam. from +3 ft. to -718 1/2 ft. Gauge .375 Steel Threaded [] Plastic Welded [X]

LINER INSTALLED:

12" Diam. from 707 1/2 ft. to 765 ft. Gauge .250 Steel Threaded [] Plastic Welded [X]

(6) PERFORATIONS:

Perforated? [] Yes [X] No Size of perforations in. by perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [] No Manufacturer's Name Johnson Type P.S. (see pg. 3 for full screen info) Diam. 18 Slot Size .050 Set from 533.5 ft. to 553.5 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level Was a pump test made? [X] Yes [] No If yes, by whom? Buckner Pump 1300 gal./min. with 40 ft. drawdown after 72 hrs.

(9) CONSTRUCTION:

Special standards: Yes [] No [X] Well seal—Material used Portland Cement Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 24 in.

Was pump installed? no Type IHP Depth ft. Was a drive shoe used? [] Yes [X] No Plugs Size: location ft. Did any strata contain unusable water? [] Yes [X] No Type of Water? depth of strata Method of sealing strata off Was well gravel packed? [X] Yes [] No Size of gravel: Monterey #8 Gravel placed from 520 ft. to 765 ft.

(10) LOCATION OF WELL by legal description:

County Deschutes SE 1/4 NW 1/4 of Section 20 of Township 15S Range 13E WM. Tax Lot Lot Block Subdivision MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 362 ft. Static level 362 ft. below land surface. Date 5-24-85 Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing --- 765 ft. Depth drilled 765 ft. Depth of completed well 765 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.

Table with columns: MATERIAL, From, To, SWL. Rows include Top Soil, Sandy, Broken Lava Conglomerate, Lava Conglomerate, Broken Lava, Cindery, Red-Black Lava, Soild, Pumice Conglomerate, White Pumice, Cindery Black Rock, Red-Black Cindery Rock, Cinders & Clinkers, Red Cinders, Cinders & Lava Rock, Black Basalt, Red-Black Basalt, Broken, Hard, Black Basalt, Red Cinders, Soft, Black Basalt, Red Cinders, Brown Sandstone, Mild, Brown Sandstone, Coarser, Brown Sandstone w/Pea Gravel.

(unbonded) Water Well Constructor Certification (if applicable):

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

[Signed] [Signature] Date 6-6, 19 85

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMWEST (number) (Surety Company Name) On behalf of Buckner Pump Service (type or print name of Water Well Constructor)

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

(Signed) [Signature] (Water Well Constructor)

(Dated) June 6, 1985

1/2" gravel from 50' to 520'

NOTICE TO WATER WELL CONSTRUCTOR 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.

SP*46866-690

SEP 18 2019

13254

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

RECEIVED

JUL 12 1985

Pg. 2 of 3 15S/13E-220A

PLEASE TYPE OR PRINT IN INK

WATER RESOURCES DEPT

(for official use only)

(1) OWNER:

SALEM, OREGON

Name City of Redmond
 Address City Hall
 City Redmond State Oreg. 97756

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon
 If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL: (4) **PROPOSED USE (check):**

Rotary Air Driven Domestic Industrial Municipal
 Thermal:
 Rotary Mud Dug Irrigation Withdrawal Reinjection
 Other:
 Bored Piezometric Grounding Test

(5) CASING INSTALLED: Steel Plastic
 Threaded Welded
 18" Diam. from +3 ft. to 718 1/2 ft. Gauge 375
 " Diam. from ft. to ft. Gauge

LINER INSTALLED: Steel Plastic
 Threaded Welded
 12" Diam. from 707 1/2 ft. to 765 ft. Gauge 250

(6) PERFORATIONS: Perforated? Yes No
 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 Johnson
 Type P.S. (see pg. 3 for full screen info) Model No.
 Diam. 18 Slot Size .050 Set from 533.5 ft. to 553.9
 Diam. 12 Slot Size .5 Set from 735 ft. to 755 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? Buckner Pump
 : 1300 gal./min. with 40 ft. drawdown after 72 hrs.
 Air test gal./min. with drill stem at ft. hrs.
 Bailer test gal./min. with ft. drawdown after hrs.
 Artesian flow g.p.m.
 perature of water 54* Depth artesian flow encountered ft.

(9) CONSTRUCTION: Special standards: Yes No
 Well seal—Material used Portland Cement
 Well sealed from land surface to 50 ft.
 Diameter of well bore to bottom of seal 24 in.
 Diameter of well bore below seal 24 in.
 Amount of sealing material 85 sacks pounds
 How was cement grout placed? Pumped

Was pump installed? no Type HP Depth ft.
 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: Monteray #8
 Gravel placed from 520 ft. to 765 ft.

(10) LOCATION OF WELL by legal description:

County Deschutes SE 1/4 NW 1/4 of Section 20 of
 Township 15S, Range 13E, WM.
 (Township is North or South) (Range is East or West)
 Tax Lot Lot Block Subdivision
 MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 362 ft.
 Static level 362 ft. below land surface. Date 5-24-85
 Artesian pressure lbs. per square inch. Date

(12) WELL LOG: Diameter of well below casing ---
 Depth drilled 765 ft. Depth of completed well 765 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
Dk. Brwn. Sandstone & Blk. Sand	385	396	
Dk. Brwn. Sandstone-blk. Sand			
more firm	396	450	
Brwn. Sandstone-finer Sand	450	455	
some clay bonding			
Dk. Brown Sandstone, some mult-colored pea gravels, possible water-465-485'	455	528	
Grey-Brwn. Tufted Ash Layer	528	540	
Firm			
Sandstone Conglomerate, Slow Drilling Gravels-Dk. Brwn	540	565	
Med. Brwn. Sandstone	565	590	
Fine grained w/some clay bondg			
Dk. Brwn. Sandstone, Coarser Sands	590	620	
Coarse, DK. Brwn. Sandstone w/1/4" minus pea gravels	620	645	
Coarse DK. Brwn. Sandstone W/more gravel-harder	645	650	
Finer Grained Sandstone	650	697	
Date work started <u>11-27-84</u> /completed <u>5-25-85</u>			
Date well drilling machine moved off of well <u>5-25</u> 19 <u>85</u>			

(unbonded) Water Well Constructor Certification (if applicable):
 This well was constructed under my direct supervision. Materials used and information reported above are true to my best knowledge and belief.

[Signed] Neil Miller Date 6-6, 19 85

(bonded) Water Well Constructor Certification:
 Bond 10596951 Issued by: AMWEST
 (number) (Surety Company Name)
 On behalf of Buckner Pump Service
 (type or print name of Water Well Constructor)

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

(Signed) _____ (Water Well Constructor)
 (Dated) June 6, 1985

RECEIVED
 SEP 18 2019
 OWRD

1/2 gravel from 50' to 520'
 NOTICE TO WATER WELL CONSTRUCTOR
 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. SP*46866-890

RECEIVED

155/13E-226d

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

JUL 12 1985

WATER RESOURCES DEPT SALEM, OREGON PLEASE TYPE or PRINT IN INK (for official use only)

(1) OWNER:

Name City of Redmond Address City Hall City Redmond State Oreg. 97756

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon [] If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Air [] Driven [] Rotary Mud [] Dug [] [X] Bored []

(4) PROPOSED USE (check):

Domestic [] Industrial [] Municipal [X] Thermal [] Irrigation [] Withdrawal [] ReInjection [] Other: Piezometric [] Grounding [] Test []

(5) CASING INSTALLED:

Steel Threaded [X] Plastic Welded [] 18" Diam. from +3 ft. to -718 1/2 ft. Gauge .375

LINER INSTALLED:

Steel Threaded [X] Plastic Welded [] 12" Diam. from 707 1/2 ft. to 765 ft. Gauge .250

(6) PERFORATIONS:

Perforated? [] Yes [X] No in. by perforations from ft. to ft.

(7) SCREENS:

Well screen installed? [X] Yes [] No Manufacturer's Name Johnston Type P.S. Model No. Diam. 18 Slot Size .050 Set from 533.5 ft. to 553.5 ft. Diam. 12 Slot Size .050 Set from 735 ft. to 755 ft.

(8) WELL TESTS:

Drawdown is amount water level is lowered below static level Was a pump test made? [X] Yes [] No If yes, by whom? 1300 gal./min. with 40 ft. drawdown after 72 hrs.

(9) CONSTRUCTION:

Special standards: Yes [] No [X] Well seal—Material used Portland cement Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 24 in. Diameter of well bore below seal 24 in. Amount of sealing material 85 sacks [X] pounds [] How was cement grout placed? Pumped

Was pump installed? no Type HP Depth ft. Was a drive shoe used? [] Yes [X] No Plugs Size: location ft. Did any strata contain unusable water? [] Yes [X] No Type of Water? depth of strata

Method of sealing strata off Was well gravel packed? [X] Yes [] No Size of gravel: Monterey #8 Gravel placed from 520 ft. to 765 ft.

(10) LOCATION OF WELL by legal description:

County Deschutes 1/4 1/4 of Section 20 Township 15S Range 13E W.M. (Township is North or South) (Range is East or West) Tax Lot Lot Block Subdivision MAILING ADDRESS OF WELL (or nearest address) unknown

(11) WATER LEVEL of COMPLETED WELL:

Depth at which water was first found 362 ft. Static level 362 ft. below land surface. Date 5-24-85 Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing ----- Depth drilled 765 ft. Depth of completed well 765 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.

Table with 4 columns: MATERIAL, From, To, SWL. Rows include Sand & Some Gravels-unstable, Sandstone-Brown W/some tuff ash and whites, Brown Sandstone W/ more Cinders, Sands and Gravels, Dk. Grey Basalt.

Table with 4 columns: MATERIAL, From, To, SWL. Rows include Sand & Some Gravels-unstable, Sandstone-Brown W/some tuff ash and whites, Brown Sandstone W/ more Cinders, Sands and Gravels, Dk. Grey Basalt.

Date work started 11-27-84 /completed 5-25-85 Date well drilling machine moved off of well 5-25-85 19

(unbonded) Water Well Constructor Certification (if applicable):

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

[Signed] Bert Mills Date 6-6, 19 85

(bonded) Water Well Constructor Certification:

Bond 10596951 Issued by: AMWEST (number) (Surety Company Name) On behalf of Buckner Pump Service (type or print name of Water Well Constructor)

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

(Signed) June 6, 1985 (Water Well Constructor) (Dated)

1/2" gravel from 50' to 520' NOTICE TO WATER WELL CONSTRUCTOR 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.

13254

RECEIVED SEP 18 2019

OWRD SP 46866-690

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

MAY 1998

WELL ID # **L23805**

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

desc
 51647

(START CARD) # **101989**

(1) OWNER: Well Number: **#5**
 Name **City of Redmond**
 Address **P.O. Box 726**
 City **Redmond** State **OR** Zip **97756**

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

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

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well **802** ft.
 Explosives used Yes No Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
26"	0 802	Cement	0 100	297 Sacks	
26"	0 802	Cement	370 400	66 sacks	

How was seal placed: Method A B C D E
 Other
 Backfill placed from **100** ft. to **375** ft. Material **Bentonite**
 Gravel placed from **400** ft. to **802** ft. Size of gravel **#6 SilicaRes**

(6) CASING/LINER:

Diameter	From To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 16"	+2 507	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16"	547 567	.375	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16"	797 802	.375	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Liner: _____

(7) PERFORATIONS/SCREENS:

Perforations Method _____
 Screens Type **Stainless** Material **316L**

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
507	547	.080		16"	Pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
567	797	.080		16"	Pipe	<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time
2300	2.5'	360	24 hr.

Temperature of Water **57** Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom **Coffee Labs**
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other
 Depth of strata: **208**

(9) LOCATION OF WELL by legal description:
 County **Deschutes** Latitude _____ Longitude _____
 Township **15S** N or S. Range **13E** E or W. of W.M.
 Section **20AA** NE 1/4 NE 1/4
 Tax Lot **2900** Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address)
19th & Quartz Ave.

(10) STATIC WATER LEVEL:
259 ft. below land surface. Date **3/23/98**
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found **208**

From	To	Estimated Flow Rate	SWL
208	209	30+	208
275	405	1000	208
536	802	9000	259

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Gray Basalt	0	39	
Red & Black Cinders	39	40	
Brown Ash & Cinders	40	45	
Brown Basalt	45	48	
Gray Basalt	48	54	
Brown Ash	54	55	
Gray Basalt	55	81.5	
Gray Tuff	81.5	86	
Hard Gray Basalt	86	101.5	
Gray Volcanic Conglomerate	101.5	124	
Brown Ash Conglomerate	124	125	
Fracture Lost Cuttings (Grouted)	125	131	
Brown Conglomerate	131	136	
Brown & Gray Lava with Ash	136	157	
Gray Basalt & Ash	157	159	
Red Ash (Soft)	159	161	
Brown & Gray Basalt & Ash	161	167	
Hard Gray & Brown Basalt	167	172	
Soft Brown Ash	172	174	
Gray Basalt Medium Hard	174	177	
Brown & Gray Basalt with Brown Ash	177	184	
Brown & Gray Basalt with Gray Ash	184	190	
Reddish Brown Ash with Broken Basalt	190	204	
Brown Lava with Ash	204	208	

Continued on next page
 Date started **8/29/97** Completed **3/23/95**

(unbonded) Water Well Constructor Certification:
 I certify that the work 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 my best knowledge and belief.
JUL 1998
 WWC Number _____
 Signed _____ Date _____
WATER RESOURCES DEPT. SALEM, OREGON

(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.
 WWC Number **1385**
 Signed **Robert Buck** Date **4-27-98**
Western Water Development Corporation

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

WELL ID # _____
 (START CARD) # **101989**

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

disc 51047

(1) OWNER: Well Number: _____
 Name **City of Redmond**
 Address _____
 City _____ State _____ Zip _____

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

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

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

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

HOLE			SEAL			Amount
Diameter	From	To	Material	From	To	sacks or pounds

How was seal placed: Method A B C D E
 Other _____
 Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations		Method		Material		
From	To	Slot size	Number	Tele/pipe size	Casing	Liner
					<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"/>

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

Yield gal/min	Drawdown	Drill stem at	Time

Temperature of Water _____ Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County _____ Latitude _____ Longitude _____
 Township **15S** N or S. Range **13E** E or W. of WM.
 Section **20AA** 1/4 _____ 1/4 _____
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Red Cinders WB (sealed off)	208	209	208
Brown Lava with Ash	209	226	208
Hard Gray Lava with Ash	226	235	208
Brown Conglomerate	235	245	208
Gray Conglomerate	245	275	208
Brown Conglomerate WB	275	305	208
Brown Lava with Gray Ash WB	305	325	208
Brown & Gray Conglomerate WB	325	342	208
Brown Lava & Ash WB	342	366	208
Brown Conglomerate with Ash Wb	366	389	208
Brown & Gray Conglomerate	389	405	208
Brown Lava with Ash	405	425	208
Gray Conglomerate with Brown Basalt	425	439	208
Hard Gray Lava with Brown Ash	439	459	208
Medium Hard Gray Lava some Ash	459	480	208
Hard Gray Lava with Ash	480	508	208
Hard Gray Basalt	508	536	208
Broken Lava, Sand, Gravel WB	536	565	259
Silty Sand & Lava Chunks WB	565	608	259
Brown, Gray Broken Lava Hard WB	608	681	259
Brown Sand & Gravel WB	681	691	259
Brown Vesicular Lava WB	691	706	259
Medium Gray Basalt WB	706	710	259
Brown Vesicular Basalt	710	714	259

Continued on next page

Date started **8-21-97** Completed **3-23-98**

(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 construction reported above are true to my best knowledge and belief.

Signed **JUL 1 1998** WWC Number _____
 Date _____

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

Signed _____ WWC Number **1385**
 Date _____
Western Water Development Corporation

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13254

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

MAY 1993

*class
51647*

WELL ID #

(START CARD) # **101989**

Page 3 of 3

(1) OWNER: Well Number: _____
 Name **City of Redmond**
 Address _____
 City _____ State _____ Zip _____

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

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

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

HOLE				SEAL				Amount	
Diameter	From	To	Material	From	To	Material	From	To	sacks or pounds

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

Backfill placed from _____ ft. to _____ ft. Material _____
 Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations		Screens		Method Type		Material	
From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

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

Yield gal/min	Drawdown	Drill stem at	Time

Temperature of Water _____ Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom _____
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County _____ Latitude _____ Longitude _____
 Township **15S** N or S. Range **13E** E or W. of WM.
 Section **20AA** ¼ _____ ¼ _____
 Tax Lot _____ Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
 _____ ft. below land surface. Date _____
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found _____

From	To	Estimated Flow Rate	SWL

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
Gray Broken Lava Hard WB	714	738	259
Brown Vesicular Lava Pinholes WB	738	765	259
Brown & Gray Lava WB	765	783	259
Soft Brown Conglomerate WB	783	802	259

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JUL - 1 1998

WATER RESOURCES DEPT.
 SALEM, OREGON

Date started **8-21-97** Completed **3-23-98**

(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 my best knowledge and belief.
 Signed _____ WWC Number _____
 Date _____

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
 Signed _____ WWC Number **1385**
 Date _____
Western Water Development Corporation

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

SEP 18 2019

OWRD

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

DESC 55853
DESC 55853

WELL ID # 64895
(START CARD) # 150744

(1) OWNER: Well Number: #6

Name City of Redmond
Address 875 S.E. Sisters, Ave.
City Redmond State OR Zip 97756

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

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

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 855 ft.
Explosives used Yes No Type Amount

HOLE SEAL Amount
Diameter From To Material From To sacks or pounds
26in 0 867 Cement Grout 374 399 88 sacks
Cement 0 98 12 Cu. Yds.

How was seal placed: Method A B C D E
 Other
Backfill placed from 99 ft to 399 ft. Material Bentonite 31cyd
Gravel placed from 399 ft to 855 ft. Size of gravel 6x12 RMC

(6) CASING/LINER:
Diameter From To Gauge Steel Plastic Welded Threaded
Casing: 16in +2 550 .375
16in 850 855 .375
Liner:
Final location of shoe(s)

(7) PERFORATIONS/SCREENS:
 Perforations Method Factory
 Screens Type Slotted Material SS316L
From To Slot size Number Diameter Tele/pipe size Casing Liner
550 850 .070 16in pipe

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailer Air Flowing Artesian
Yield gal/min Drawdown Drill stem at Time
2700 6 400 24 hr.
Temperature of Water 54 Depth Artesian Flow found
Was a water analysis done? Yes By whom
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other
Depth of strata:

(9) LOCATION OF WELL by legal description:
County Deschutes Latitude Longitude
Township 15S N or S. Range 13E E or W. of WM.
Section 21(D) NW 1/4 SE 1/4
Tax lot 400 Lot Block Subdivision
Street Address of Well (or nearest address) 2551 S.W. 6th St.,
Redmond, OR

(10) STATIC WATER LEVEL:
336 ft. below land surface. Date 12/22/03
Artesian pressure lb. per square inch. Date

(11) WATER BEARING ZONES:
Depth at which water was first found

From	To	Estimated Flow Rate	SWL
342	697	1500	336
697	811	1000	336
811	867	4000+	336

(12) WELL LOG:
Ground elevation

Material	From	To	SWL
See attached lithology prepared by Mr. Dale Bugenig. Hole sloughed back prior to casing installation in bottom. 857-867.			

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

Date started 4/2/03 Completed 12/31/03

(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 my best knowledge and belief.
Signed _____ WWC Number _____
Date _____

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
Signed Robert Buckner WWC Number 1385
Date 1/27/04

13254

DESC 55853

DRILLERS' LOG OF BOREHOLE

BOREHOLE REDMOND WELL #6

PAGE 1 OF 6

LOC. OR COORDS. SE 1/4 Sec. 21, T.15S., R.13E. (Williamette Nar)

GROUND ELEV. _____

TOTAL DEPTH _____

BOREHOLE DIAM. 2.6"

DRILLER WESTERN WATER DEVELOPMENT

RIG BACCHUS-ERIE 36L

BIT(S) 2.6" Star

FLUID Not Applicable

START DATE 4/02/03 FINISH DATE 10/31/03

TIME 08:30 16:00

GEOPHYS. LOG YES NO

HOW LEFT See Const-log

LOCATION 121° 10' 42" W 44° 15' 13" N
LOGGED BY GALE ASSENBATH & SONS ENGINEER

PROJECT CITY OF REDMOND, OR
WELL #6

DEPTH	PEN. RATE F/Day	CIRC. RET. LOSS	AIR LIFT Q(GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
0-1		6L 7/2				Brown sand
1-2						Broken brown & grey lava
2-14				Lava Flow		Grey vesicular lava
14-24						Hard grey lava
24-28.5				Rubble Zone		Brown lava / red cinders
28.5-32						Hard grey lava
32-33						Dark brown & grey lava rock, broken or caving
33-37						Brown & grey lava, broken, caving
37-40						Hard grey lava
40-43						Hard grey rock
43-47						Hard grey rock
47-50						Grey lava rock
50-55				Lava Flow		Hard grey lava
55-59						Hard grey lava
59-66						Med grey lava
66-71						Medium grey lava
71-77						Medium grey lava
77-80						Med. grey lava
80-86						Med. hard grey lava
86-88				Enter Flow Zone		Med Hard grey lava
88-91						Red & Brown Conglomerate
91-92						Harder grey & brown lava
92-95						Hard dark grey lava
95-101						Black, grey & brown lava
101-107				Cinders Sandstone?		Red Cinder conglomerate
107-110						
110-113						Brown & Grey lava
113-115						Brown & Grey lava
115-119						Hard grey lava
119-122				Lava Flow		Grey lava
122-127						Med. grey lava
127-131						Hard grey lava
131-134						Hard grey lava
134-136						Med grey lava
136-142						Med grey lava
142-146						Med grey lava
146-147						Med. grey lava
147-150				Sandstone		Red & brown sandstone

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Added cement to stabilize borehole

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JAN 28 2004

DESC
55853

DRILLERS'
LOG OF BOREHOLE

BOREHOLE REDMOND WELL 4

PAGE 2 OF 6

LOC. OR COORDS. SEC 21
T. 15S., R. 12E. (Willow Lake Meridian)
GROUND ELEV. _____
TOTAL DEPTH 872 FT
BOREHOLE DIAM. 26"

DRILLER WESTERN WATER
DEVELOPMENT
RIG BACCHUS-ERIE 36L
BIT(S) 26" STAR
FLUID Not Applicable

START FINISH
DATE 4/02/03 10/30/03
TIME 08:30 16:00
GEOPHYS. LOG YES NO
HOW LEFT See Constr Log

LOCATION 121° 10.428' W 44° 15.173' N
LOGGED BY GALE ABERNATHY & BOB BRICKMAN

PROJECT CITY OF REDMOND, OR
WELL # 4

DEPTH	PEN. RATE	CIRC RET. LOSS	AIR LIFT Q(GPM)	MATERIAL	SYMBOL	DESCRIPTION AND COMMENTS
160	9	5/2				150-151 Red & brown sandstone 155-162 Medium brown sandstone MISSING reports
170	6	5/27		Sandstone		170-172 Brown & grey sandstone 172-176 Brown & grey - Broken Water loss 178'
180	8	5/25				170-174 Brown & black sandstone
190	5	5/29				187-191 Brown & black sandstone
200	3	5/10				189-192 Grey & black sandstone 192-196 Grey & brown lava 196-198 Broken brown & grey lava
210	3	6/5		Basalt Lava Flow		198-203 Hard grey basalt, broken 203-206 Hard grey basalt, broken 206-211 Hard grey basalt, broken
220	2	6/7				211-213 Grey basalt 213-216 Grey basalt 216-220 Hard grey basalt 220-224 Hard grey basalt
230	4	6/12		chhibic zone		224-228 Hard grey basalt. Loss base @ 224.5' Broken 224'-226. Hammer 226-228' 228-230 Broken grey lava Run 2nd Pitheadress Test
240	5	6/10				220-225 Broken black & brown lava 227-228 Hard dark grey-black lava - Caving? 228-242 Black & Brown lava - Sloughing + @ 226'
250	7	6/15		Basalt Lava Flow		242-247 Black & brown lava, softer & broken 247-253 Black & brown lava
260	4	6/13				263-267 Hard grey basalt 267-260 Hard grey basalt 260-262 Broken grey lava 262-264 Broken grey
270	8	6/25		Volcanic Conglomerate		264-270 Brown volcanic conglomerate 270-278 Brown volcanic conglomerate
280	8	6/26				278-292 Brown volcanic conglomerate
290	3	6/21				292-295 Brown volcanic conglomerate Rig down for repairs thru 9/10
300	7	7/6				293-300 Dark grey volcanic conglomerate

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JAN 28 2004

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13254

DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 3 OF 6

LOC. OR COORDS. <u>SE 1/4 Sec 21</u> <u>T.15N, R.13E. (Willow Lake Mendon)</u>	DRILLER <u>WESTERN WATER DEVELOPMENT</u>	START DATE <u>4/02/03</u>	FINISH DATE <u>10/30/03</u>
GROUND ELEV. _____	RIG <u>PAULYKS ERB 366</u>	TIME <u>08:30</u>	<u>16:00</u>
TOTAL DEPTH <u>872 FT</u>	BIT(S) <u>2 1/2" STAR</u>	GEOPHYS. LOG <u>X</u>	YES <u>NO</u>
BOREHOLE DIAM. <u>2 1/2"</u>	FLUID <u>H₂O</u>	HOW LEFT <u>See Contr. Log</u>	

LOCATION 121° 10' 42" W 44° 17' 17" N
 LOGGED BY G. BERNDT & R. BUCKNER
 PROJECT CITY OF REDMOND, OR
 WELL # 6

DEPTH	PEN. RATE	CIRC.		AIR LIFT Q (GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
		RET.	LOSS				
		7	7/8				300-307
310		5	7/7		volcanic Conglom-grate		307-312 Dark grey volcanic conglomerate
320		6	7/10		Sandstone		312-316 Dark grey volcanic conglomerate 316-318 Brown hard sandstone
330		7	7/11				318-320 Brown sandstone 320-327 Brown sandstone
340		7	7/14				327-332 Brown sandstone 332-334 Dark grey sandstone 335-338 Brown sandstone
350		6	7/15	SWI 335-340'	Sandstone w/ gravel		338-347 Brown sandstone w/ gravel
360		9	7/16				347-358 Brown sandstone w/ gravel + silt Water @ 355' SWL = 321-340'
370		12	7/18				358-370 Brown sandstone w/ gravel
380		10	7/21		Sandstone		370-380 Grey sandstone Note: problems with casing, lost 9' 7/26 Cilled 380 to 371'
390		7	7/25				380-381 gravelly sandstone 381-391 Light grey sandstone
400		10	7/21				391-397 grey sandstone
410		8	7/25				397-400 Brown & grey sandstone
420		8	7/28				405-418 Brown sandstone
430		13	7/29				418-428 Brown & grey sandstone
440		10	7/30				428-438 Brown & grey sandstone
450		10	7/31				438-445 Brown & grey sandstone
460		8	8/1				445-451 Red-brown sandstone - Plumbness & alignment test performed 2/4/04

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JAN 28 2004

DRILLERS'
LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 4 OF 6

LOC. OR COORDS. <u>SE 1/4 Sec 21, T.15S, R.13E. (Williamstone)</u>	DRILLER <u>WESTERN</u>	START DATE <u>4/01/03</u>	FINISH DATE <u>10/30/03</u>
GROUND ELEV. _____	<u>WATER DEVELOPMENT</u>	TIME <u>08:30</u>	<u>16:00</u>
TOTAL DEPTH <u>872 FT</u>	RIG <u>Bucyrus Erie 36L</u>	GEOPHYS. LOG <u>X</u> YES <u>NO</u>	
BOREHOLE DIAM. <u>26"</u>	BIT(S) <u>26" steel</u>	HOW LEFT <u>See Const Log</u>	
FLUID <u>N/A</u>			

LOCATION 12° 10' 42.8" N 44° 15' 13.3" W
 LOGGED BY GALE ABERNATHY & BOB BUCKNER
 PROJECT CITY OF REDMOND
 WELL # 6

DEPTH	PEN. RATE	CIRC. REC. LOSS	AIR LIFT (GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
460	11 8/5			sandstone	457-462	Red brown sandstone
470	14 9/6				462-470	Brown-tan sandstone
480	11 7/7				470-477	Grey sandstone
490	8 8/5				477-492	Grey sandstone - possibly broken. Add 1 mesh seal cement
500	13 8/11				495-500	Brown & grey sandstone
510	12 8/12				500-508	Grey sandstone, siltier
520	10 8/13				508-520	Grey sandstone w/ black sand streaks
530	12 8/14			sandstone w/ gravel	520-530	Brown & grey sandstone
540	12 8/15				530-542	Brown sandstone w/ pea gravel
550	13 8/18				542-557	Dark grey sandstone w/ gravel
560	10 8/19				557-567	Dark grey sandstone w/ gravels
570	13 8/20				567-577	Dark grey sandstone w/ gravels Possibly sloughing
580	15 9/20				577-590	Dark grey sandstone w/ gravel
590					590-597	Dark grey sandstone w/ gravels
600					597-598	Tan-brown sandstone w/ gravels

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DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond well 6

PAGE 5 OF 6

LOC. OR COORDS. SE 1/4 Sec 21, T.15S, R.13E (Williamette)
 GROUND ELEV. _____
 TOTAL DEPTH 872 FT
 BOREHOLE DIAM. 26"

DRILLER WESTERN WATER DEVELOPMENT
 RIG BUCY RUC-821E S6L
 BIT(S) 26" STAR
 FLUID N/A

START DATE 4/02/03 FINISH DATE 10/30/03
 TIME 08:30 16:00
 GEOPHYS. LOG YES NO
 HOW LEFT See Constr. Log

LOCATION 121° 10' 42" W 44° 15' 17.5" N
 LOGGED BY GALE ABERNATHY & BOB BUCKNER

PROJECT CITY OF REDMOND
 WELL #6

DEPTH	PEN. RATE	CORR.		AIR LIFT Q(GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
		FEET	HOURS				
610	15	8/14			Sandstone w/ gravel	577-605	Tan-brown sandstone w/ gravels
620	13	8/12				605-618	Brown sandstone w/ gravel
630	11	8/15				618-632	Brown sandstone w/ gravel
640	10	8/16				632-650	Dark brown sandstone w/ cinders & gravels
650	9	8/17				650-670	Dark brown sandstone w/ gravels
660	16	8/28				670-686	Dark brown sandstone w/ gravels
670	12 1/2	8/29				686-697	Dark brown sandstone w/ gravels & cinders
700	5 1/2	9/2				697-699	Hard gray basalt
710	3 1/2	9/3				699-702	Hard gray basalt
720	4	9/5			Basalt LAIN Pipe	702-706	Hard gray basalt
730	3	9/8				706-708.5	Hard gray basalt
740	3.5	9/10				708.5-712.5	Hard gray basalt
750	4.5	9/11				712-715	Hard gray basalt
760	7	9/12				715-716.5	Hard gray basalt
770	4	9/15				716.5-724.5	Hard lt gray basalt
780	8	9/16			sandstone w/ gravel	724.5-729	Hard gray basalt
790	12	7/17				729-733	Hard gray basalt
800						733-735.5	Hard gray basalt
810						735.5-741	Brown sandstone w/ small gravel
820						741-746	Brown sandstone w/ gravel
830						746-753	gray sandstone w/ gravel

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JAN 28 2004

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DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 6 OF 6

LOC. OR COORDS. <u>SE 1/4 Sec 21</u> <u>T. 15 S., R. 13 E. (Williamette)</u>	DRILLER <u>WESTER</u>	START DATE <u>4/24/03</u>	FINISH DATE <u>10/30/03</u>
GROUND ELEV. _____	<u>WATER DEVELOPMENT</u>	TIME <u>08:30</u>	<u>18:00</u>
TOTAL DEPTH <u>872 ft</u>	RIG <u>BUCYRUS-FOLE 36L</u>	GEOPHYS. LOG <u>X</u> YES <u>NO</u>	HOW LEFT <u>SEE CONSTR.</u>
BOREHOLE DIAM. <u>26"</u>	BIT(S) <u>26" STAR</u>	FLUID <u>NONE</u>	<u>Log</u>

LOCATION 121°10.428'W 44°05.173'N
LOGGED BY GALE ABERNATHY & BOB BUCKNER

PROJECT CITY OF REDMOND
WELL #6

DEPTH	PEN. RATE	AIR LIFT Q(GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
740	12 9/13 9 9/18 3 9/19 3 9/22 4 9/23		Sandstone Basalt	746-753 753-757 757-760 760-762 762-765 765-767	grey sandstone w/ gravel Hard grey vesicular lava Hard grey basalt Hard grey basalt Hard grey basalt Dark grey lava (copper)
770	7 7/24		Flow boundary?	767-774	Dark grey lava
780	6 7/25			774-780	Grey vesicular lava
790	4 9/26 9 7/23			780-784 784-788	Grey Vesicular Basalt, Harder
800	4 9/30 2 10/1 3 10/2		Flow boundary?	788-792 792-797 797-798	Hard grey basalt Hard grey basalt Hard grey basalt
810	7 10/6			798-803	Grey Vesicular Lava Breccia?
820	2 5 10/8 5 10/9		Flow boundary	803-804 804-807 807-811 811-816	Hard grey basalt Hard grey basalt Dark grey vesicular lava Dark grey Vesicular Lava
830	1 10/10 5 10/15		NO CUTTINGS	816-817 817-822 822-825	Grey vesicular lava Grey Vesicular Lava? NO SAMPLE AFTER 818 FT "LIVE WATER" - @ 822
840	3 10/14 5 10/14 5 10/16			825-828 828-830 830-835	Grey vesicular lava w/ under seams Fractured lava? NO SAMPLE Fractured lava? NO SAMPLE
850	7 10/20			835-842	Fractured lava? NO SAMPLE
860	3 10/22 2 10/23			842-845 845-848 848-850	Fractured lava? NO SAMPLE Dark grey basalt Hard grey basalt Hard grey lava Brown grey lava
870	4 10/24 12 10/27		NO CUTTINGS	850-854 854-860	Basalt lava? No cuttings
880	5 10/28 1 10/29		Cinders, sand & gravel	860-866 866-868 868-871 871-872	Dark red-brown cinders with sand & small gravel "Bad hole" Brown red cinders & gravels, Note: 4' of fine sand at 871 Brown & grey vesicular lava [Terminate drilling on 10/29 due to formation instability. Bail the hole on 10/30 E-Logged 11/2/03 - sloughed in to 862'

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

DESC 57788

DESC 57788

WELL ID # L **84243**
 (START CARD) # **187111**

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

(1) OWNER: Well Number: 7
 Name City of Redmond
 Address P.O. Box 726
 City Redmond State OR Zip 97756

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

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

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

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 892 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
	26	0	Cement Slurry	0	68	210 sacks	
			Cement Slurry	282	322	242 sacks	

How was seal placed: Method A B C D E
 Other
 Backfill placed from 68 ft. to 275 ft. Material Bentonite Chips
 Gravel placed from 322 ft. to 862 ft. Size of gravel 6x12 & 1/4-

(6) CASING/LINER:

	Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing:	16	+2	525	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	16in	625	700	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	16in	750	780	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	16in	860	862.5	.375	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner:					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

Perforations Method Factory
 Screens Type Slotted Material 316L

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
525	625	.100		16in	pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
700	750	.100		16in	pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>
780	860	.060		16in	pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
2700	3	370	24 hr.

Temperature of Water 54-58 Depth Artesian Flow found _____
 Was a water analysis done? Yes By whom Umpqua Labs
 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 15S N or S. Range 13E E or W. of WM.
 Section 10(D) NW 1/4 SE 1/4
 Tax lot 1100 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 450 NE 11th St., Redmond, OR 97756

(10) STATIC WATER LEVEL:
326 ft. below land surface. Date 12/13/2006
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 335

From	To	Estimated Flow Rate	SWL
335	850	5000+	326

(12) WELL LOG:
 Ground elevation 3040'

Material	From	To	SWL
See Attached Borehole Lithology			

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SALEM, OREGON

WESTERN WATER DEVELOPMENT RECEIVED
 P.O. Box 1670
 Redmond, OR 97756 **FEB 07 2007**

WATER RESOURCES DEPT
SALEM, OREGON

Date started 6/7/2006 Completed 12/14/2006

(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 my best knowledge and belief.

Signed _____ WWC Number _____
 Date _____

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

Signed Robert Buckner WWC Number 1385
 Date 12/24/2006

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CITY OF REDMOND
WELL #7 DRILLERS FROMATION LOG

Description		From	To	
3/4" Crushed Rock		0	1	
Broken Gray Lava		1	15	
Gray Basalt		15	31	
Red Cinders		31	34	
Broken Black/Red Rock		34	53	
Brown Rock		53	61	
Black Lava		61	77	
Brown Sandstone		77	84	
Brown Conglomerate		84	88	
Black Lava		88	107	
Brown Sandstone		107	121	
Redish & Black Lava		121	130	
Brown Sandstone		130	133	
Black Lava		133	144	
Gray Lava		144	158	
Reddish Brown Rock		158	159	
Brown Rock		159	172	
Brown Sandstone		172	176	
Red and Black Lava		176	181	
Redish & Brown Sandstone		181	191	
Black Lava		191	206	
Brown Sandstone		206	209	
Coarse Black Sand		209	221	
Black Lava		221	243	
Brown Sandstone		243	249	
Black Lava & with Brown Ash		249	273	
Hard Black Basalt		273	283	
Red Sandstone		283	306	
Brown Sandstone		306	325	
Light Brown Sandstone		325	335	
Dark Brown Sandstone	WB	335	391	330
Black Sandstone	WB	391	423	328
Fine Black Sand	WB	423	458	328
Brown Sandstone	WB	458	526	328
Broken Blue & Gray Basalt	WB	526	529	328
Blue & Gray Basalt	WB	529	537	328
Gray Basalt	WB	537	553	328
No Cuttings Semi Soft	WB	553	565	328
No Cuttings Harder	WB	565	580	328
Red & Black Basalt	WB	580	600	328
No Cuttings Broken & Hard	WB	600	610	328
Black Basalt	WB	610	613	328
Black Sandstone	WB	613	625	328
Brown Sandstone	WB	625	632	328
Reddish Brown Sandstone	WB	632	641	328
Multi Colored Coarse Sand	WB	641	658	328

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Dark Brown Sandstone	WB	658	690	328
Brown Sandstone	WB	690	706	328
Blue & Gray Basalt	WB	706	711	328
Gray Basalt	WB	711	731	328
No Cuttings Soft	WB	731	734	328
No Cuttings Harder	WB	734	741	328
No Cuttings Soft	WB	741	745	328
No Cuttings Harder	WB	745	750	328
Broken Vesicular Basalt	WB	750	754	327
Black Sandstone	WB	754	770	327
Black & Brown Sandstone	WB	770	785	327
Vesicular Black Basalt	WB	785	790	327
Vesicular Red & Black Basalt	WB	790	800	327
Hard & Broken No Cuttings	WB	800	810	327
Brown Sandstone with Multi				327
Colored Sand Lenses	WB	810	818	327
Vesicular Red & Black Basalt	WB	818	828	327
Black Sandstone	WB	828	831	327
Black & Gray Basalt	WB	831	838	327
Red & Black Basalt	WB	838	843	327
Vesicular Black Basalt	WB	843	847	327
Hard Black & Gray Basalt	WB	847	850	327
Very Hard Gray Basalt		850	960	327

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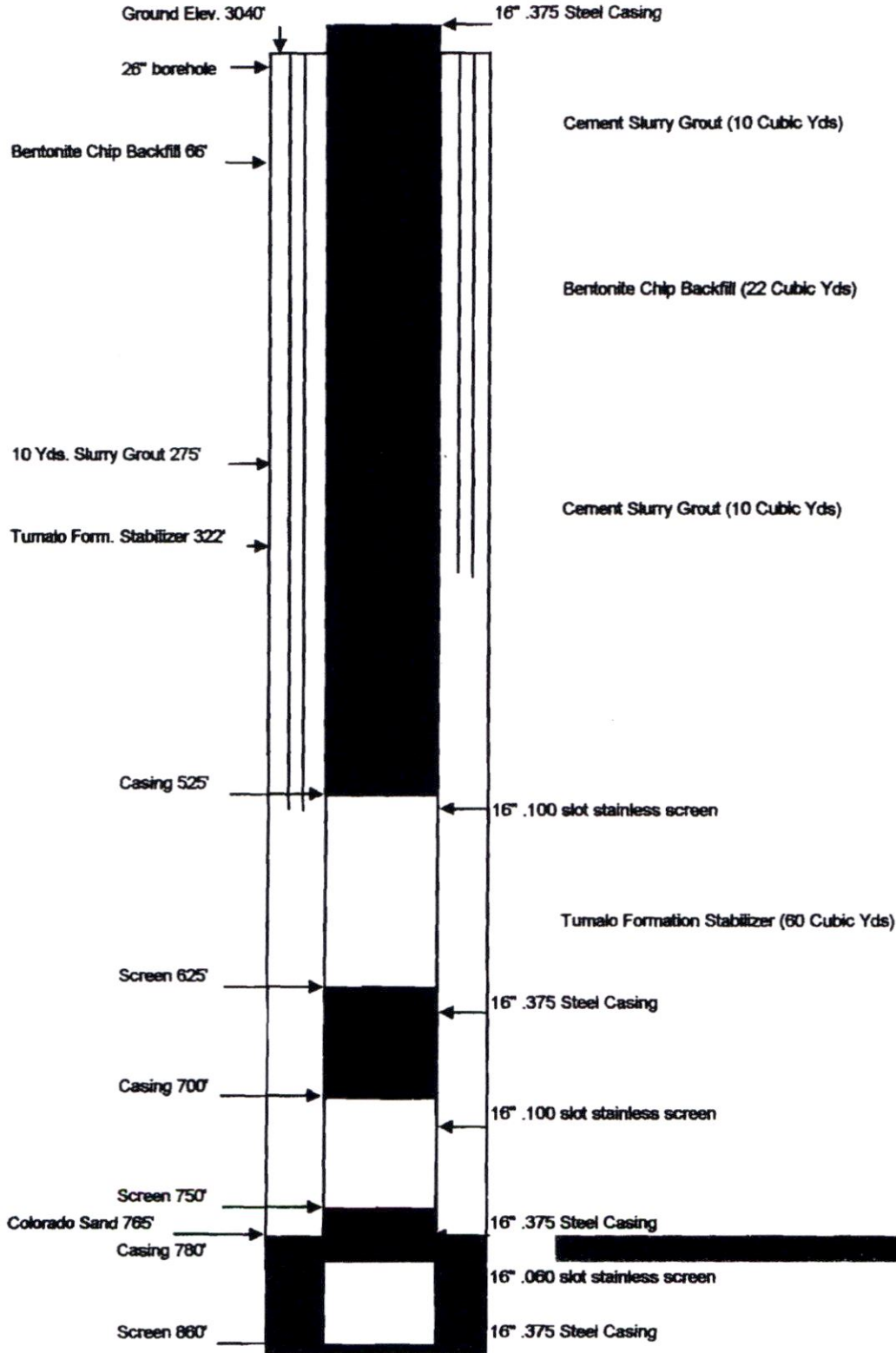
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CITY OF REDMOND WELL #7 AS BUILT



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