

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

# Application for Permit Amendment

## Part 1 of 5 – Minimum Requirements Checklist

**This permit amendment 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.

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

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- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed 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](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 Permits to be Amended: **Number of permits to be amended: 1**  
**List the Permits here: G-18292 (Attachment A)**  
 Please include a separate Part 5 for each permit. (See instructions on page 6)
- Completed Permit Amendment Application Map (Does not have to be prepared by a Certified Water Right Examiner). **(Attachment B)**
- N/A Request for Assignment Form and statutory fee. The request for assignment form has to be completed if the applicant is **not** the permit holder of record and needs to be assigned to the permit; **or** the landowner of the proposed place of use is **not** the permit holder of record and needs to be assigned to the permit (the Request for Assignment Form is available online at <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>). Assignment is not needed if the applicant is the permit holder of record.
- N/A Affidavit(s) of Consent are required from all permit holder(s) of record if the permit is not assigned to the applicant **or** other permit holders of record that are not listed as applicants.
- 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 C)**
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **(Attachment D)**
- 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 feet from the surface water source and more than 1000 feet upstream or downstream from the point of diversion. (ORS 540.531(2) or (3)).

**(For Staff Use Only)**

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

___ Application fee not enclosed/insufficient	___ Map not included or incomplete
___ Land Use Form not enclosed or incomplete	___ Part ___ is incomplete
___ Additional signature(s) required	
Other/Explanation _____	
Staff: _____ 503-986-0 _____	Date: ___/___/___



## Part 2 of 5 – Permit Amendment Map Checklist

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

**Please be sure that the map you submit includes all the items listed below and meets the requirements of OAR 690-380-3100, however, the map does not have to be prepared by a Certified Water Right Examiner. Check all boxes that apply.**

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- N/A If **more than three** permits are involved, separate maps for each permit.
- 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 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 use permit, 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 permit is being changed, a separate hachuring is needed for the portion of the permit left unchanged.
- N/A If you are proposing a change in place of use, show the proposed place of use with hachuring that includes separate hachuring for each permit, 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 use 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°).







## Part 4 of 5 – Applicant Information and Signature

### Applicant Information

APPLICANT/BUSINESS NAME City of Redmond, Attn: Josh Wedding			PHONE NO. 541-504-2022	ADDITIONAL CONTACT NO.
ADDRESS 411 SW 9th Street				FAX NO.
CITY Redmond	STATE OR	ZIP 97756	E-MAIL Joshua.Wedding@redmondoregon.gov	
<b>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.</b>				

**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	
<b>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.</b>				

Explain in your own words what you propose to accomplish with this permit amendment; and why:  
 The Applicant is proposing to change the location of one authorized point of appropriation for Permit G-18292.

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)

**Is the applicant the permit holder of record?**  Yes  No

If NO, include either:

- A completed assignment form (with required statutory assignment fee), assigning all or a portion of the permit to the applicant(s), **OR**
- An affidavit of consent from the permit holder(s) of record that gives permission for the applicant to amend the permit.

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**Has the Completion ("C") Date of the permit(s) in this application expired?**  Yes  No

If YES, this application will not be accepted by the Department.

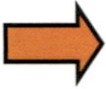
If NO, what are the completion dates of the permit(s)? 5/9/2033

- If the permit completion date expires while the Permit Amendment Application is pending, the Department will not approve the Permit Amendment Application until an Extension of Time Application is approved for the permit.
- You may consider using the Reimbursement Authority process to expedite the processing of this Permit Amendment Application if the completion date of the permit expires within 6 months of the date of filing this application.

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

- Prior to Department approval of the permit amendment, 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 permit is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: The Redmond Spokesman.





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

Josh Wedding  
Applicant Signature

Josh Wedding, Water Utilities Manager  
Print Name (and Title if applicable)

9-8-20  
Date

Josh Wedding  
Applicant Signature

\_\_\_\_\_  
Print Name (and Title if applicable)

9-8-20  
Date

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**Check one of the following:**

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The permit holder(s) of record will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to the permit holder(s) of record.

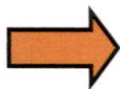
**Check the appropriate box, if applicable:**

- Check here if any of the permits proposed for amendment are or will be located within or served by an irrigation or other water district. **Although the authorized place of use for the permit proposed for amendment is located within the boundaries of the Central Oregon Irrigation District service area, this groundwater right is neither held by nor served by the District.**

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 permits 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 local governments (each county, city, municipal corporation, or tribal government) 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

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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## Part 5 of 5 – Water Use Permit Information

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

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**PERMIT # G-18292**

**Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)**

(Note: If the POD/POA name is not specified in the permit, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized by the permit 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 6	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	DESC 55853	15	S	13	E	21	NW	SE	400	North 35° 38' 4" West 2443.94 feet from the SE corner of 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 the SE corner of Section 10
Well 8	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	N/A	15	S	13	E	19	SE	SW	102	513 feet North and 2807 feet West from the SE corner of Section 19*
Well 9	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	N/A	15	S	13	E	16	SW	NW	109	1457 feet South and 580 feet East from the NW corner of Section 16
Well 9	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed	N/A	15	S	13	E	9	SW	SW	200	185 feet North and 1190 feet East from the SW corner of Section 9
Well 10	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	N/A	15	S	13	E	9	SE	NW	506	1332 feet South and 2020 feet East from the NW corner of Section 9
Well 11	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	N/A	15	S	13	E	9	NE	SW	103	2530 feet North and 2160 feet East from the SW corner of Section 9

**\* This location description represents the accurate location of Well 8. Due to a scrivener's error in the final order for T-13114, superseding Permit G-18292 incorrectly describes the location of Well 8 with a reference to the SE corner of Section 10, instead of Section 19. The applicant requests that this location description be corrected in the final order for the permit amendment.**

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

- |   |  |
|---|--|
| <input type="checkbox"/> Place of Use (POU)                   | <input checked="" type="checkbox"/> Point of Appropriation/Well (POA)  |
| <input type="checkbox"/> Point of Diversion (POD)             | <input type="checkbox"/> Additional Point of Appropriation (APOA)      |
| <input type="checkbox"/> Additional Point of Diversion (APOD) | <input type="checkbox"/> Surface water POD to Ground Water POA (SW/GW) |



**Will all of the proposed changes affect the entire water use permit?**

- Yes Complete only the proposed (“to” 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 permit to be changed.

**For a change in place of use:**

**Does the permit holder of record own or control the land TO which the place of use is being moved?**

- Yes  No  N/A (**Change in POA only**)

If NO, the landowner of the land TO which the place of use is being **moved must be assigned to the permit as a permit holder of record** by submitting a completed Request for Assignment form and the required statutory fee for an assignment.

**Is the proposed place of use contiguous to the authorized place of use?**  Yes  No  N/A (**Change in POA only**)

The permitted place of use can be moved only to lands that are contiguous to the authorized place of use **unless** the change to non-contiguous lands is in furtherance of mitigation or conservation efforts undertaken for the purposes of benefiting a species listed as sensitive, threatened, or endangered under ORS 496.171 to 496.192 or the federal Endangered Species Act of 1973 (16 U.S.C. 1531 to 1544), as determined by the listing agency. Contiguous land being either adjacent land or land separated from the land to which a permit is authorized by roads, utility corridors, irrigation ditches or publicly owned rights of way.

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

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

**Table 2. Description of Changes to Water Use Permit # G-18292**

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										PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.											
Twp	Rng	Sec	1/4	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Proposed Changes (see "CODES" from previous page)												
Twp	Rng	Sec	1/4	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) (name or number from Table 1)	Priority Date	Twp	Rng	Sec	1/4	Tax Lot	Gvt Lot or DLC	Acres (if applicable)	POD(s) or POA(s) to be used (from Table 1)	Priority Date				
<b>EXAMPLE</b>																					
2	S	9	E	15	NW	100	POD #1 POD #2		POU/POD	2	S	9	E	15	NW	100	1	10.0	POD #5		
"	"	"	"	"	"	EXAMPLE	"		"	2	S	9	E	15	SW	200		5.0	POD #6		
									POA	Municipal Service Boundary of the City of Redmond										Well 6 Well 7 Well 8 Well 9 Well 10 Well 11	1/13/1999
TOTAL ACRES										TOTAL ACRES											

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Additional remarks: The City is requesting to change the authorized location for Well 9. All other elements of Permit G-18292 would remain the same. Please refer to Attachment B, Permit Amendment Application Map, for the location of the authorized place of use (the City's municipal service boundary).

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Are there other water rights certificates, water use permits or ground water registrations associated with the “from” or “to” lands?  Yes  No

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



If the permit(s) are for irrigation or supplemental irrigation use, other water rights existing on the same land for irrigation that are subject to transfer must either change concurrently or be cancelled. Any change to a water right certificate or ground water registration must be filed separately in a water right transfer application or ground water registration modification application, respectively.

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**For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:**

**(See Attachment D for well logs of Well 6 and Well 7)**

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- 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. (Tip: You may search for well logs on the Department’s web page at: [http://apps.wrd.state.or.us/apps/gw/well\\_log/Default.aspx](http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx))

**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	N/A	880 ft	16 in	+2-525	0-300 ft	525-875 (assemblage)	325 ft	Basalt & alluvial deposits	3,500 gpm
Well 9	No	N/A	800 ft	16 in	+2-800	0-100 ft	507-547 567-797	259 ft	Basalt & alluvial deposits	3,300 gpm



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**Attachment A**  
**Permit G-18292**

Application for a Permit Amendment – City of Redmond

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COUNTY OF DESCHUTES

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PERMIT TO APPROPRIATE THE PUBLIC WATERS

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THIS PERMIT IS HEREBY ISSUED TO

CITY OF REDMOND  
411 SW 9<sup>TH</sup> ST  
REDMOND, OR 97756

This superseding permit is issued to correct a scrivener's error in the description of the location of Wells 6, 7, and 10, approved by a Corrected Order, recorded at Special Order Volume 114, Page 623, entered DEC 31 2019. This permit correctly describes an amendment for a change in points of appropriation under Permit Amendment Application T-13114 and approved by Special Order Vol. 113, Page 958 – 960, entered August 28, 2019. This permit supersedes Permit G-18266, originally G-17042.

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-14908

SOURCE OF WATER: SIX WELLS IN THE DESCHUTES RIVER BASIN

PURPOSE OR USE: MUNICIPAL USE

MAXIMUM RATE/VOLUME: 25.0 CUBIC FEET PER SECOND, LIMITED TO A MAXIMUM ANNUAL VOLUME OF 3492.0 ACRE FEET

PERIOD OF USE: YEAR ROUND

DATE OF PRIORITY: JANUARY 13, 1999

WELL LOCATIONS:

Twp	Rng	Mer	Sec	Q-Q	Measured Distances
15S	13E	WM	9	SE NW	WELL 10 – 1332 FEET SOUTH AND 2020 FEET EAST FROM THE NW CORNER OF SECTION 9
15S	13E	WM	9	NE SW	WELL 11 – 2530 FEET NORTH AND 2160 FEET EAST FROM THE SW CORNER OF SECTION 9
15S	13E	WM	10	SW SE	WELL 7 – 1210 FEET NORTH AND 1640 FEET WEST FROM THE SE CORNER OF SECTION 10
15S	13E	WM	16	SW NW	WELL 9 – 1457 FEET SOUTH AND 580 FEET EAST FROM THE NW CORNER OF SECTION 16
15S	13E	WM	19	SE SW	WELL 8 – 513 FEET NORTH AND 2807 FEET WEST FROM THE SE CORNER OF SECTION 10
15S	13E	WM	21	NW SE	WELL 6 – NORTH 35 DEGREES 38 MINUTES 4 SECONDS WEST 2443.94 FEET FROM THE SE CORNER OF SECTION 21

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THE PLACE OF USE IS LOCATED AS FOLLOWS:

WITHIN THE MUNICIPAL SERVICE BOUNDARY OF THE CITY OF REDMOND

**Permit Amendment T-12887 Conditions:**

The quantity of water diverted at the new points of appropriation (Wells 6, 7, and 8), shall not exceed the quantity of water lawfully available at the original points of appropriation (Wells 6, 7, and 8).

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

**WMCP Conditions:**

The next requirement related to the City's approved WMCP calls for the submittal of an updated WMCP to the Department by **November 14, 2022**.

**Original Permit Conditions:**

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter at each point of appropriation. The permittee shall maintain the meter in good working order.
- B. The permittee 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 permittee to report general water-use information, including the place and nature of use of water under the permit.
- C. The permittee shall allow the watermaster access to the meter; provided however, where any meter is located within a private structure, the watermaster shall request access upon reasonable notice.
- D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

Use of water under authority of this permit may be regulated if analysis of data available after the permit 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. However, the use of ground water allowed under the terms of this permit will not be subject to regulation for Scenic Waterway flows so long as mitigation is maintained.

Within five years of permit issuance, the permittee shall submit a Water Management and Conservation Plan consistent with OAR Chapter 690, Division 86. The Director may approve an extension of this time line to complete the required Water Management and conservation Plan. The time line for submittal of a plan under this permit does not alter the time lines for submittal of a plan under any other order of the



Department.

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Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level or pump test data.

### **GROUND WATER MITIGATION CONDITIONS**

Mitigation Obligation: 1746.0 acre-feet annually in the General Zone of Impact, located anywhere in the Deschutes River basin above the Madras gage, which is located below Lake Billy Chinook.

Mitigation Source: 1746.0 acre-feet of mitigation water from mitigation project MP-175, established by instream water right certificate 88033, within the General Zone of Impact.

Mitigation water must be legally protected instream for instream use within the General Zone of Impact and committed for the life of the permit and subsequent certificate(s). Regulation of the use and/or cancellation of the permit, or subsequent certificate(s), will occur if the required mitigation is not maintained.

The permittee shall provide additional mitigation if the Department determines that average annual consumptive use of the subject appropriation has increased beyond that originally mitigated amount.

If mitigation is from a secondary right for stored water from a storage use from a storage project not owned or operated by the permittee the use of water under this right is subject to the terms and conditions of a valid contract, a copy of which must be on file in the records of the Water Resources Department prior to use of water.

The permittee shall provide a mitigation update report to the Department, with a copy to WaterWatch, every three years until the permit is fully developed. The report shall compare actual monthly water use to the estimates used for determining prior mitigation requirements and shall identify whether additional mitigation is required.

The permittee shall provide 90 days prior written notice to the appropriate OWRD Watermaster in the event that the permittee intends to irrigate with reclaimed water that originates from water use under this permit.

Failure to comply with these mitigation conditions shall result in the Department regulating the ground water permit, or subsequent certificate(s), proposing to deny any permit extension application for the ground water permit, and proposing to cancel the ground water permit, or subsequent certificate(s).

### **STANDARD CONDITIONS**

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

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If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may be subject to cancellation, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed 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 well at all times.

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

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

This permit 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 original permit was issued May 9, 2013. Actual construction of the well(s) was to begin within one year of original permit issuance. Complete application of water to beneficial use shall be on or before May 9, 2033. If beneficial use of permitted water has not been made before this date, the permittee may submit an application for extension of time, which may be approved based upon the merit of the application.

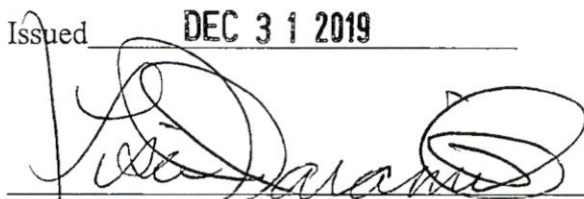
Within one year after making beneficial use of water, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner.

Issued DEC 31 2019

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\_\_\_\_\_  
Lisa J. Jaramillo, Transfer and Conservation Section Manager for  
THOMAS M. BYLER, DIRECTOR  
Oregon Water Resources Department

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**Attachment B**  
**Application Maps**

Application for a Permit Amendment – City of Redmond

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**From:** STARNES Patrick K \* WRD  
**To:** Leah Cogan  
**Subject:** RE: Map scale waiver request for City of Redmond  
**Date:** Wednesday, September 2, 2020 10:13:32 AM

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Hi Leah –

I apologize for the late response.

The Department will grant a map scale waiver for the attached permit amendment application maps. Please include a copy of this e-mail when you submit the maps.

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](mailto:patrick.k.starnes@oregon.gov)

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

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**From:** Leah Cogan <[lcogan@gsiws.com](mailto:lcogan@gsiws.com)>  
**Sent:** Tuesday, August 25, 2020 12:48 PM  
**To:** STARNES Patrick K \* WRD <[Patrick.K.Starnes@oregon.gov](mailto:Patrick.K.Starnes@oregon.gov)>  
**Subject:** RE: Map scale waiver request for City of Redmond

Good afternoon,

I'm following up on this map scale waiver request as the City is hoping to submit the application soon. Please let me know if you need any other information in order to consider the scale waiver request.

Thank you,  
Leah

---

**From:** Leah Cogan  
**Sent:** Wednesday, July 29, 2020 11:32 AM  
**To:** [Patrick.K.Starnes@oregon.gov](mailto:Patrick.K.Starnes@oregon.gov)  
**Subject:** Map scale waiver request for City of Redmond

Good morning Kelly,

The City of Redmond is preparing a permit amendment application to change the location of one

13528

well authorized by Permit G-18292. Because of the size of Redmond's service area, we are requesting a map scale waiver for the place of use map, attached. The authorized/proposed point of appropriation map is also attached and is at a standard scale (1 inch = 1,320 feet).

Please let me know if you have any questions.

Thank you,

**Leah Cogan**

**Water Resources Analyst**

mobile: 541.272.9888

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

GSI Water Solutions, Inc. | [www.gsiws.com](http://www.gsiws.com)

*pronouns: she, her*

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**Attachment D**  
**Well Logs for DESC 55853 and DESC 57788**  
Application for a Permit Amendment – City of Redmond

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**13528**

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

DESC 00000

WELL ID # **64895**

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

(START CARD) # **150744**

DESC  
 55853

**(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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	16in	850	855	.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 **SS316L**

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
550	850	.070		16in	pipe	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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



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 Mar)

GROUND ELEV. \_\_\_\_\_

TOTAL DEPTH \_\_\_\_\_

BOREHOLE DIAM. 2.6"

DRILLER WESTERN WATER DEVELOPMENT

RIG BACTRUS-ERIE 36L

BIT(S) 2.6" Star

FLUID Not Applicable

START FINISH  
DATE 4/02/05 10/31/03  
TIME 08:30 16:00  
GEOPHYS. LOG YES NO  
HOW LEFT See Cont-log

LOCATION 121° 10' 28" W 44° 15' 13" N  
LOGGED BY GALE ABERNATHY & D.B. BUCKNER

PROJECT CITY OF REDMOND, OR  
WELL #6

DEPTH	PEN. RATE	CIRC. REV. LOSS	AIR LIFT Q (GPM)	MATERIAL	SYMBOL	DESCRIPTION AND COMMENTS
0-1	6.6	7/2				Brown sand
1-2						Broken brown & grey lava
2-14				Lava Flow		Grey vesicular lava
14-24	8.0 2.5 3.5	4/3 4/4 4/5				Hard grey lava
24-28.5	6	4/4		Rubble Zone		Brown lava w/ red cinders
28.5-32	4	4/10				Hard grey lava
32-33	1	4/10				Dark brown & grey lava rock. Broken or casing
33-35	2	4/10				Brown & grey lava, broken, casing
35-38	3	4/10				Hard grey lava
38-40	3	4/10				Hard grey lava
40-43	3	4/10				Hard grey rock
43-45	2	4/10				Hard grey rock
45-47	2	4/10				Hard grey rock
47-50	3	4/10				Grey lava rock
50-55	5	4/12		Lava Flow		Hard grey lava
55-59	4	4/12				Hard grey lava
59-61	2.5	4/10				Med grey lava
61-66	5	4/10				Medium grey lava
66-71	5	4/10				Medium grey lava
71-77	6	4/30				Medium grey lava
77-80	5	4/10				Med. grey lava
80-86	4	5/2				Med. hard grey lava
86-88	6	5/3		Enter Pin Zone		Med Hard grey lava
88-91	3	5/10				Red & Brown conglom. crat.?
91-92	3	5/10				Harder grey & brown lava
92-95	6	5/7				Hard dark grey lava
95-101	5	5/8				Black, grey & brown lava
101-107	4	5/7		Cinders Sandstone?		Red Cinder conglomerate
107-110	3	5/10				
110-113	2	5/11				Brown & Grey lava
113-115	4	5/12				Brown & Grey lava
115-117	3	5/12				Hard grey lava
117-122	5	5/14		Lava Flow		Grey lava
122-127	4	5/15				Med. grey lava
127-131	3	5/16				Hard grey lava
131-134	2	5/17				Hard grey lava
134-136	6	5/17				Med grey lava
136-142	4	5/10				Med grey lava
142-146	9	5/21		Sandstone		Med grey lava
146-147						Med. grey lava
147-150						Red & brown sandstone

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Added cement to 3rd bit of borehole

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55853

# DRILLERS' LOG OF BOREHOLE

BOREHOLE REDMOND WELL #

PAGE 2 OF 6

LOC. OR COORDS. SE 1/4 SEC. 21  
T. 15S, R. 13E. (Willamette Meridian)  
 GROUND ELEV. \_\_\_\_\_  
 TOTAL DEPTH 872 FT  
 BOREHOLE DIAM. 26"

DRILLER WESTERN WATER  
 DEVELOPMENT \_\_\_\_\_  
 RIG BURRUS-ERIE 36L  
 BIT(S) 26" STAR  
 FLUID Not Applied

START FINISH  
 DATE 4/02/03 12/30/03  
 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 SALE ABERNATHY & BOB BICKLEY

PROJECT CITY OF REDMOND, OR  
 WELL # 1

DEPTH	PEN. RATE	CIRC. RET. LOSS	AIR LIFT Q (GPM)	MATERIAL	SYMBOL	DESCRIPTION AND COMMENTS
160	9 9/20 7 5/22					150-151 Red & brown sandstone 155-162 Medium brown sandstone MISSING reports
170	6 5/22			Sandstone		170-172 Brown & green sandstone 172-176 Brown & grey - Broken Water loss 175'
180	8 5/22					170-179 Brown & black sandstone
190	5 5/22 3 5/22 4 6/2					187-189 Brown & black sandstone 189-192 Grey & black sandstone 192-196 Grey & brown lava 196-198.5 Broken brown & grey lava
200	7.5 6/5 3 6/5 5 6/6			Basalt Lava Flow		198-203 Hard grey basalt, broken 203-206 Hard grey basalt, broken 206-211 Hard grey basalt, broken
210	2 6/7 3 6/7 4 6/10					211-213 Grey basalt 213-216 Grey basalt 216-220 Hard grey basalt 220-224 Hard grey basalt
220	4 6/11					224-228 Hard grey basalt. Loss zone @ 224.5' Broken 224-226. Header 226-228
230	2 6/12 5 6/10			rubric zone		228-230 Broken grey lava Run 2nd Pressure Test 230-235 Broken black & brown lava
240	3 6/17 7 6/18 5 6/19			Basalt Lava Flow		235-238 Hard dark grey-black lava - Caving? 238-242 Black & brown lava - Sloughing + 226' 242-247 Black & brown lava, softer & broken 247-253 Black & brown lava
250	6 6/20					253-257 Hard grey basalt 257-260 Hard grey basalt 260-262 Broken grey lava 262-264 Broken grey
260	4 6/23 5 6/24					264-270 Brown volcanic conglomerate 270-278 Brown volcanic conglomerate
270	8 6/25 8 6/26			Volcanic Conglomerate		278-292 Brown volcanic conglomerate
280	17 6/27					292-295 Brown volcanic conglomerate Rig down for repairs thru 9/10
290	3 6/28 7 7/6					295-300 Dark grey volcanic conglomerate

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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. (Willamette Meadows)</u>	DRILLER <u>WESTERN WATER</u>	START	FINISH
GROUND ELEV. _____	<u>DEVELOPMENT</u>	DATE <u>4/02/03</u>	<u>10/30/03</u>
TOTAL DEPTH <u>872 FT</u>	RIG <u>ANALYSIS ERJE 366</u>	TIME <u>08:30</u>	<u>16:00</u>
BOREHOLE DIAM. <u>2 1/2"</u>	BIT(S) <u>2 1/2" STAR</u>	GEOPHYS. LOG <u>X</u> YES <u>NO</u>	
	FLUID <u>M/A</u>	HOW LEFT <u>See Conv. Log</u>	

LOCATION 121° 10' 42" W 44° 17' 12" N  
 LOGGED BY G. BERENSON & R.B. 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			280-307	
310		5	7/9		volcanic conglom- erate	307-312	Dark grey volcanic conglomerate
		6	7/10			312-316	Dark grey volcanic conglomerate
320		7	7/11		Sandstone	316-318	Brown hard sandstone
		7	7/11			318-322	Brown sandstone
330		7	7/14			322-327	Brown sandstone
		6	7/15			327-332	Brown sandstone
340		9	7/16		sandstone w/ gravel	332-334	Dark grey sandstone
		11	7/17			334-338	Brown sandstone
350		12	7/18			338-347	Brown sandstone w/ gravel
360		10	7/21		Sandstone	347-358	Brown sandstone w/ gravel + silt
370		10	7/21			358-370	Brown sandstone w/ gravel
380		10	7/21			370-380	Grey sandstone
390		10	7/21			380-381	grey sandstone
400		8	7/24			381-391	light grey sandstone
410		13	7/29			391-397	grey sandstone
420		10	7/30			397-405	Brown & grey sandstone
430		10	7/31			405-418	Brown sandstone
440		8	8/1			418-428	Brown & grey sandstone
450		8	8/1			428-438	Brown & grey sandstone
460		6	8/4			438-445	Brown & grey sandstone
470		6	8/4			445-451	Red-brown sandstone - Planimeter alignment test performed 2/4/04

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# 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. (Williamette Co.)</u>	DRILLER <u>WESTERN</u>	START	FINISH
GROUND ELEV. _____	WATER DEVELOPMENT _____	DATE <u>4/01/03</u>	DATE <u>10/30/03</u>
TOTAL DEPTH <u>872 FT</u>	RIG <u>Bucyrus Erie 36L</u>	TIME <u>09:50</u>	TIME <u>16:00</u>
BOREHOLE DIAM. <u>26"</u>	BIT(S) <u>26" SPAL</u>	GEOPHYS. LOG <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
FLUID <u>N/A</u>	HOW LEFT <u>See Constr Log</u>		

LOCATION LOGGED BY SALE ABERNATHY & BOB BUCKNER

PROJECT CITY OF REDMOND  
WELL # 6

12° 10' 42.8" W 44° 15' 13.3" N

DEPTH	PEN. RATE	CIRC. REC. LOSS	AIR LIFT Q (GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
460	11	8/5		sandstone		457-458 Red brown sandstone
470	14	8/6				458-462 Brown-tan sandstone
480	11	8/7				462-470 Brown-Tan sandstone
490	8	8/8				470-477 Grey sandstone
500	13	8/11				477-487 Grey sandstone
510	12	8/12				487-492 Grey sandstone - possibly broken. Added 1 sack cement
520	10	8/13				492-500 Brown & grey sandstone
530	12	8/14		sandstone w/ gravel		500-508 Grey sandstone, softer
540	12	8/15				508-520 Grey sandstone w/ black sand streaks
550	13	8/18				520-530 Brown, grey sandstone
560	10	8/17				530-542 Brown sandstone w/ pea gravel
570	13	8/20				542-557 Dark grey sandstone w/ gravel
580	15	8/20				557-567 Dark grey sandstone w/ gravel
590						567-577 Dark grey sandstone w/ gravel Possibly sloughing
600						577-590 Dark grey sandstone w/ gravel
						590-597 Dark grey sandstone w/ gravel
						597-599 Tan-brown sandstone w/ gravel

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DRILLERS'

# LOG OF BOREHOLE

BOREHOLE Redmond well 6

PAGE 5 OF 6

LOCATION 121° 10.428' W 44° 15.173' N  
LOGGED BY GALE ABERNATHY & BOB BUCKNER  
PROJECT CITY OF REDMOND WELL #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 Buckner-Ezie 36L

BIT(S) 26" STAR

FLUID N/A

START FINISH

DATE 4/02/03 10/20/03

TIME 08:30 16:00

GEOPHYS. LOG X YES NO

HOW LEFT See Constr. Log

FT/ DPT DAT ←

DEPTH	PEN. RATE	R/R		AIR LIFT Q(GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
		REV	CLASS				
		15	8/21		Sandstone w/ gravel		577-605 Tan-brown sandstone w/ gravels
610		12	8/22				605-618 Brown sandstone w/ gravel
620		14	8/23				618-632 Brown sandstone w/ gravel
630							
640		10	8/24				632-650 Dark brown sandstone w/ cinders & gravels
650							
660		9	8/23				650-670 Dark brown sandstone w/ gravels
670							
680		16	8/28				670-686 Dark brown sandstone w/ gravels
690							
700		12 1/2	8/29				686-697 Dark brown sandstone w/ gravels & cinders 697-699 Hard grey lava 699-723 Hard grey lava
710		5 1/2 3 1/2 2 1/2	9/2 9/3 9/4		Basalt Lava Flow		703-706 Hard grey basalt 706-708.5 Hard grey basalt 708.5-712.5
720		4 3 4.5 3.5	9/5 9/8 9/9 9/10				712-715 Hard grey basalt 715-716.5 Hard grey basalt 720-724.5 Hard lt grey basalt 724.5-729 Hard grey basalt
730		4 4	9/11 9/12				729-732 Hard grey basalt 732-735.5 Hard grey basalt 735.5-741 Brown sandstone w/ small gravel
740		8	9/16		Sandstone w/ gravel		741-746 Brown sandstone w/ gravel
750		12	7/7				746-753 grey sandstone w/ gravel

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# DRILLERS' LOG OF BOREHOLE

BOREHOLE Redmond Well 6

PAGE 6 OF 6

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

DRILLER WESTER  
WATER DEVELOPMENT  
 RIG BUCYRUS-EQ 36L  
 BIT(S) 26" STA2  
 FLUID NONE

START FINISH  
 DATE 4/02/03 10/30/03  
 TIME 08:30 18:00  
 GEOPHYS. LOG X YES NO  
 HOW LEFT SEE Constr.  
Log

LOCATION 121°10.428'W 44°05.173'N  
 LOGGED BY GEO APPARATUS & BOR BUCKNER

PROJECT CITY OF REDMOND  
WELL #4

DEPTH	PEN. RATE	AIR LIFT Q(GPM)	MATERIAL	SYM-BOL	DESCRIPTION AND COMMENTS
	12 9/13		Sandstone	766-767	grey sandstone w/ gravel
740	9 9/18		Basalt	773-777	Hard grey vesicular lava
	3 9/19			777-780	Hard grey basalt
	3 9/22			780-782	Hard grey basalt
770	4 7/23		flow boundary?	785-786	Hard grey basalt
	7 7/24			786-787	Dark grey lava (scoria)
780	6 7/25			787-774	Dark grey lava
	4 7/26			774-780	Grey vesicular lava
790	4 7/27			780-784	Grey Vesicular Basalt, Harder
	4 7/30			784-788	
	2 10/11			788-792	Hard grey basalt
800	3 10/12		flow boundary?	792-797	Hard grey basalt
	7 10/14			797-799	Hard grey basalt
	2 10/17			799-803	Grey vesicular lava Basaltic?
810	2			803-804	Hard grey basalt
	5 10/18			804-807	Hard grey basalt
	5 10/19			807-811	Dark grey vesicular lava Note: Driller remarked the water in the bailer was clean.
820	1 10/19		Flow boundary?	811-816	Dark grey Vesicular Lava
	5 10/19			816-817	Grey vesicular lava
	3 10/19			817-822	Grey vesicular lava? NO SAMPLE AFTER 818 FT LIVE WATER - OBS
820	5 10/19		NO CUTTINGS	822-825	Grey vesicular lava? NO SAMPLE COLLECTED IN BAILER
	5 10/19			825-830	NO GINDER SEAMS Fractured lava? NO SAMPLE
	5 10/16			830-835	Fractured lava? NO SAMPLE
840	7 10/20			835-842	Fractured lava? NO SAMPLE
	3 10/21			842-845	Fractured lava? Harder. CUTTINGS RETURNED 843'
850	2 10/22			845-848	Dark grey basalt
	2 10/23			848-850	Hard grey basalt. Gearing (from spool)
860	4 10/24		NO CUTTINGS	850-851	Hard grey lava
	12 10/27			851-854	Broken grey lava? No cuttings
870	5 10/28		Ginders, sand & gravel	854-860	Broken lava? No cuttings
	1 10/28			860-866	Dark red-brown cement with sand & small gravel "Bad hole"
880	5 10/28			866-868	Brown red cinders & gravels. NOTE: 4' of fine sand at start of shaft. Gearing
	1 10/28			868-871	Brown & grey vesicular lava
				871-872	[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

DESC 57788

WELL ID # L 84243

(as required by ORS 537.765)

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

(START CARD) # 187111

(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 862 ft.  
Explosives used  Yes  No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			Amount	
Diameter	From	To	Material	From	To	sacks or pounds	
26	0	862	Cement Slurry	0	88	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
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: \_\_\_\_\_

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

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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



**CITY OF REDMOND  
WELL #7 DRILLERS FROMATION LOG**

<b>Description</b>	<b>From</b>	<b>To</b>	
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
Black Sandstone	WB	391	423
Fine Black Sand	WB	423	458
Brown Sandstone	WB	458	526
Broken Blue & Gray Basalt	WB	526	529
Blue & Gray Basalt	WB	529	537
Gray Basalt	WB	537	553
No Cuttings Semi Soft	WB	553	585
No Cuttings Harder	WB	585	580
Red & Black Basalt	WB	580	600
No Cuttings Broken & Hard	WB	600	610
Black Basalt	WB	610	613
Black Sandstone	WB	613	625
Brown Sandstone	WB	625	632
Reddish Brown Sandstone	WB	632	641
Multi Colored Coarse Sand	WB	641	658

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DESC 57788

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	826	327
Black Sandstone	WB	826	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	860	327

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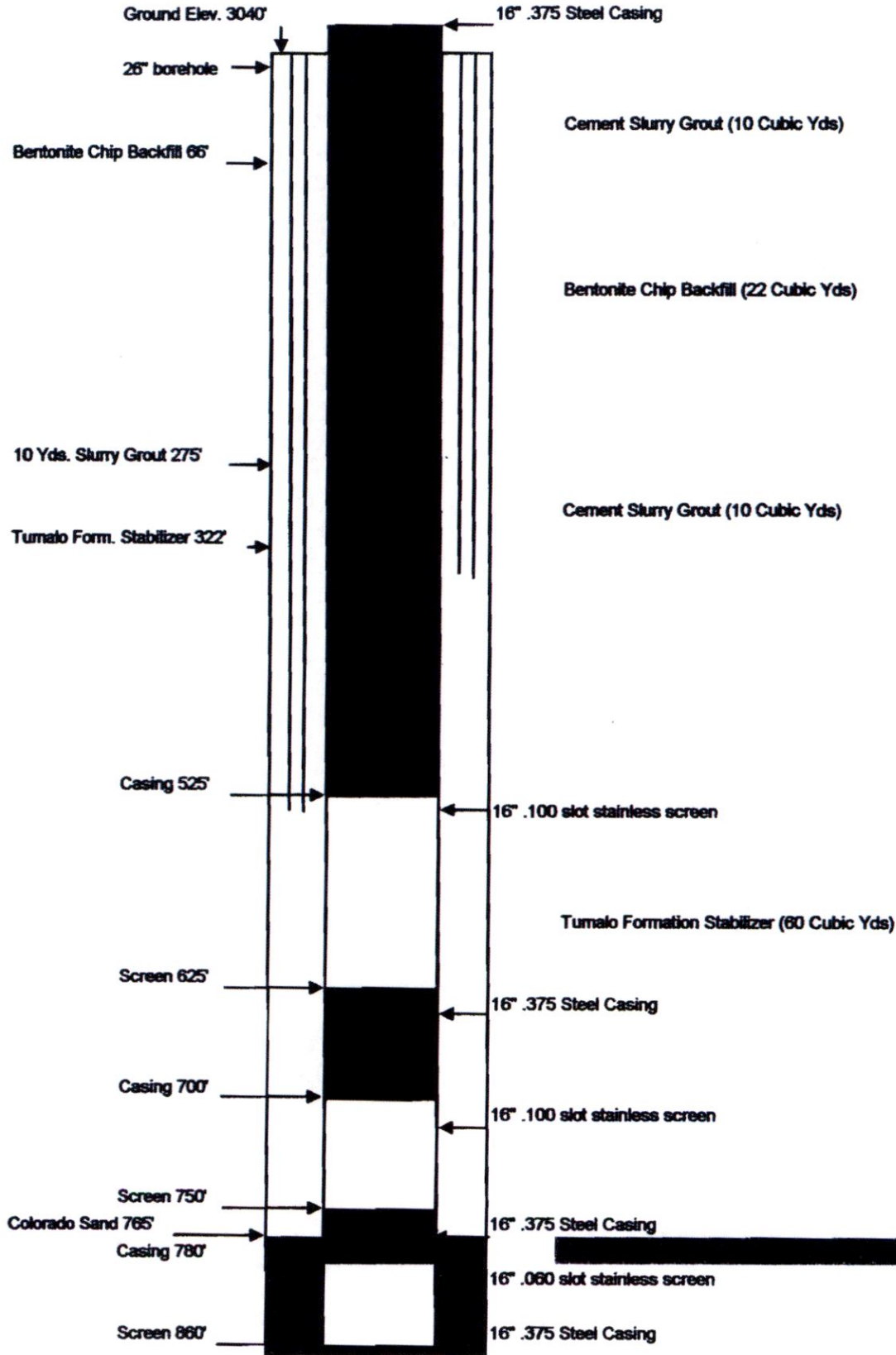
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**CITY OF REDMOND WELL #7 AS BUILT**

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September 14, 2020

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

Re: Permit Amendment for Permit G-18292 in the name of the City of Redmond

Dear Mr. Starnes:

GSI Water Solutions, Inc. (GSI) is submitting the enclosed permit amendment application on behalf of the City of Redmond. The City is proposing to change the location of one point of appropriation, Well 9, which is authorized under Permit G-18292. This well has not yet been drilled.

The Permit Amendment Application and a check in the amount of \$1,570.00 for the application fee are enclosed. If you have any questions regarding this application, you may reach me at 541-257-9001.

Sincerely,

A handwritten signature in black ink, appearing to read "Adam Sussman", is written over a light blue horizontal line.

Adam Sussman  
Principal Water Resources Consultant

CC: Bill Duerden, City of Redmond  
Josh Wedding, City of Redmond

Enclosures: Permit Amendment Application  
Check in the amount of \$1,570

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