

Approved:



# MEMO

**To:** Kristopher Byrd, Well Construction Manager  
**From:** Tommy Laird, Well Construction Program Coordinator  
**Subject:** Review of Water Right Application G-19469  
**Date:** May 15, 2025

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Travis Brown reviewed the application. Please see Travis's Groundwater Review and the Well Report.

Applicant's Well #Steel Tank Well 2 (MARI 54465): Based on a review of the Well Report and on a review of the Groundwater Application Review, Steel Tank Well 2 does not appear to comply with current minimum well construction standards (See OAR 690 Division 210). The problem is that according to the Well Report, the well was not sealed to the proper depth. In order to meet minimum construction standards, the well must be resealed with an approved grout to a minimum depth of 625 feet bgs.

My recommendation is that the Department not issue a permit for Well #Steel Tank Well 2 unless it is brought into compliance with current minimum well construction standards or information is provided showing that it is constructed to meet current minimum well construction standards.

The construction of Steel Tank Well 2 may not satisfy hydraulic connection issues.

Applicant's Well #North Well 1 through Applicant's Well #North Well 3 (Proposed): North Well 1 through North Well 3 are proposed wells, therefore they cannot be reviewed for construction. Construction of these proposed wells shall be completed in a manner that protects ground water resources as required under Oregon Administrative Rules 690-200 through 690-240. During construction of these wells, specific attention should be paid to ensure sealing requirements are met and that the wells do not commingle aquifers.

The construction of proposed North Well 1 through North Well 3 may not satisfy hydraulic connection issues.

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

(1) OWNER:

Name: Oregon State Parks and Recreations  
Address: 1115 Commercial St NE  
City: Salem State: OR Zip: 97301

(2) TYPE OF WORK:

(repair/  
☒ New Well ☐ Deepening ☐ Alteration/recondition ☐ Abandonment

(3) DRILL METHOD:

☒ Rotary Air ☐ Rotary Mud ☐ Cable ☐ Auger  
☐ Other: \_\_\_\_\_

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☐ Irrigation  
☐ Thermal ☐ Injection ☐ Livestock ☒ Other Oregon State

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☒ No

Depth of Completed Well 797

Explosives Used ☐ Yes ☐ No Type \_\_\_\_\_ Amount \_\_\_\_\_

HOLE			SEAL			sacks or pounds
Diameter	From	To	Material	From	To	
12"	0'	173'	Cement	0	173	98
12"	173'	233'	BF/Bent	173	233	53
12"	233'	276'	Cement	233'	276	10
12"	276'	797'	---	---	---	---

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

☐ Other \_\_\_\_\_

Backfill placed from 173 to 233 Material Chips

from 276 to 286 Material Chips

Gravel placed from \_\_\_\_\_ to \_\_\_\_\_ Size of gravel \_\_\_\_\_

(6) CASING/LINER:

CASING:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
8"	0'	797'	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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"/>

Final location of Shoe(s): \_\_\_\_\_

(7) PERFORATIONS/SCREENS:

☒ Perforations Method: Touch

☐ Screen Type: \_\_\_\_\_ Material: \_\_\_\_\_

From	To	Slot Size	No.	Diameter	Tele/pipe size	Casing Liner
732'	792'	1/4X4	456	8"	P	<input checked="" 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 gpm Drawdown Drill Stem at Time

50		795	1 hr.

Temperature of water 52 Depth Artesian Flow Found ---

Was a water analysis done? --- By whom: ---

Did any strata contain water not suitable for intended ---

Depth of Strata: ---

RECEIVED

NOV 15 1999

WELL ID # L 22910  
START CARD # 111202

WATER RESOURCES  
SALEM, OREGON

(9) LOCATION OF WELL by legal description:

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
Range: 1E  
Section: 13 NE 1/4 NW 1/4  
Tax Lot: N/A Lot: \_\_\_\_\_ Block: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
Street Address of Well (or nearest address) \_\_\_\_\_  
HWY 214

(10) STATIC WATER LEVEL:

453 Ft. below land surface Date 10-28-99  
Artesian pressure \_\_\_\_\_ lb. per sq. in. Date \_\_\_\_\_

(11) WATER BEARING ZONES:

Depth at which water was first found 85'

From	To	Est. Flow Rate	SWL
85'	105'	1 GPM	59
199'	225'	No Return	199
736'	767'	60 GPM	453

(12) WELL LOG:

Ground Elevation: \_\_\_\_\_

Material	From	To	SWL
Top Soil Red Clay	0'	44'	
Siltstone	44'	50'	
Siltstone with Basalt Layers	50'	65'	
Basalt Black, Gray	65'	75'	
Basalt and Claystone mix	75'	85'	
Siltstone Gray	85'	94'	59'
Sandstone Gray Silty	105'	115'	
Sandstone Brown	115'	120'	
Claystone Brown	120'	130'	
Claystone	130'	140'	
Sandstone Gray Silty	140'	150'	
Sandstone Tan Silty	150'	171'	
Claystone White, Tan	171'	185'	
Lost Circulation no returns	185'	225'	199'
Claystone Gray	225'	255'	
Basalt with Claystone Gray, Black	255'	285'	
Basalt Black Med Hard	285'	365'	
Basalt Black Hard	365'	520'	
Basalt Black Very Hard	52'	579'	
Basalt Black with Claystone Stringers	579'	620'	
Basalt Black Medium Hard	620'	736'	
Basalt Black Fractured H2O	736'	767'	453
Basalt Black Hard	767'	797'	

Date Started: 9/29/99

Completed: 10/28/99

(unbonded) Water Well Constructor Certification:

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

Signed Steve Zimmung WWC Number 1620  
Date 10/30/99

(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 \_\_\_\_\_  
Date \_\_\_\_\_