

Approved:



# MEMO

**To:** Kristopher Byrd, Well Construction Manager  
**From:** Tommy Laird, Well Construction Program Coordinator  
**Subject:** Rereview of Water Right Application LL-1991  
**Date:** February 5, 2025

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Stacey Garrison and James Hootsmans reviewed the application. Please see Stacey's and James' Groundwater Review and the Well Reports.

Applicant's Well #1 (YAMH 55946): Based on a review of the Well Report, Applicant's Well #1 seems to protect the groundwater resource.

The construction of Well #1 may not satisfy hydraulic connection issues.

Applicant's Well #2 (YAMH 59500): Based on a review of the Well Report, Applicant's Well #2 seems to protect the groundwater resource.

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

Applicant's Well #3 (YAMH 59518): Based on a review of the Well Report, Applicant's Well #3 seems to protect the groundwater resource.

The construction of Well #3 may not satisfy hydraulic connection issues.



New exempt use wells must be submitted with a map and recording fee.





WATER SUPPLY WELL REPORT - Map with location identified must be attached and shall include an approximate scale and north arrow

**YAMH 59500**

**6/22/2024**

## Map of Hole

### STATE OF OREGON WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

### Oregon Water Resources Department

725 Summer St NE, Salem OR 97301  
(503)986-0900



#### LOCATION OF WELL

Latitude: 45.29867146 Datum: WGS84

Longitude: -123.28613640

Township/Range/Section/Quarter-Quarter Section:  
WM3.00S5.00W22SWNE

Address of Well:

16440 NW RED SHOT LN, CARLTON, OR 97111

**Well Label: 151873**

**Printed: June 3, 2024**

DISCLAIMER: This map is intended to represent the approximate location the well. It is not intended to be construed as survey accurate in any manner.

Provided by well constructor



STATE OF OREGON  
WATER SUPPLY WELL REPORT

YAMH 59518

WELL I.D. LABEL# L 154433  
START CARD # 1074442  
ORIGINAL LOG #

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(as required by ORS 537.545 & 537.765 and OAR 690-205-0210)

8/9/2024

(1) LAND OWNER

Owner Well I.D. \_\_\_\_\_

First Name \_\_\_\_\_ Last Name \_\_\_\_\_  
Company GROUND 113 LLC  
Address 15990 NW RED SHOT LANE  
City CARLTON State OR Zip 97111

(2) TYPE OF WORK

☒ New Well ☐ Deepening ☐ Conversion

☐ Alteration (complete 2a & 10) ☐ Abandonment (complete 5a)

(2a) PRE-ALTERATION

Casing: Dia + From To Gauge Stl Plstc Wld Thrd  
Material From To Amt sacks/lbs  
Seal: \_\_\_\_\_

(3) DRILL METHOD

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

(4) PROPOSED USE

☒ Domestic ☐ Irrigation ☐ Community  
☐ Industrial/ Commercial ☐ Livestock ☐ Dewatering  
☐ Thermal ☐ Injection ☐ Other \_\_\_\_\_

(5) BORE HOLE CONSTRUCTION

Special Standard ☐ (Attach copy)

Depth of Completed Well 402.00 ft.

BORE HOLE			SEAL			Amt	sacks/ lbs
Dia	From	To	Material	From	To		
10	0	121	Bentonite Chips	0	121	61	S
6	121	402			Calculated	55.22	
					Calculated		

Seal placement method ☐ A ☐ B ☐ C ☐ D ☐ E ☒ Other: POUR-PROBE-HYDRATE

Backfill placed from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_

Filter pack from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Material \_\_\_\_\_ Size \_\_\_\_\_

Explosives used: ☐ Type \_\_\_\_\_ Amount \_\_\_\_\_

Seal Placement Begin Date 7/23/2024 Begin Time 12:00

(5a) ABANDONMENT USING UNHYDRATED BENTONITE

Proposed Amount \_\_\_\_\_ Actual Amount \_\_\_\_\_

(6) CASING/LINER

C/L	Dia	+ From To Gauge	Mat. Type	Wld	Thrd	Shoe	Location
C	6	<input checked="" type="checkbox"/> 2 121 .25	ST	<input checked="" type="checkbox"/>		OUT.	121
L	4	<input type="checkbox"/> 2 342 sch40	PL		<input checked="" type="checkbox"/>		
L	4	<input type="checkbox"/> 362 382 sch40	PL		<input checked="" type="checkbox"/>		

Temp casing ☒ Yes Dia 10 From+ ☒ 1 To 5

(7) PERFORATIONS/SCREENS

Perforations Method \_\_\_\_\_

Screens Type Machine Screen Material PVC

Perf/ Screen	Casing/ Liner	Screen Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ Pipe size
Screen	Liner	4	342	362	.032			Pipe Size
Screen	Liner	4	382	402	.032			Pipe Size

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

Type of Test	Yield (gal/min)	Drawdown	Drill Stem/ Pump Depth	Duration (hr)
Air	31		400	2

Temperature 54 °F Lab analysis ☐ Yes By \_\_\_\_\_

Water quality concerns? ☐ Yes (describe below) TDS amount 60 ppm  
From To Description Amount Units


(9) LOCATION OF WELL (legal description)

County YAMHILL Twp 3.00 S N/S Range 5.00 W E/W WM

Sec 22 NW 1/4 of the SE 1/4 Tax Lot 300

Tax Map Number \_\_\_\_\_ Lot \_\_\_\_\_

Lat \_\_\_\_\_ " or 45.29347691 DMS or DD

Long \_\_\_\_\_ " or -123.28876329 DMS or DD

☒ Street address of well ☐ Nearest address

11300 NORTHWEST OLD WAGON ROAD, CARLTON, OR 97111

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	7/24/2024			117

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 20.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
7/23/2024	20	80	1			20
7/24/2024	344	370	31			117

(11) WELL LOG

Ground Elevation 501.57 FT

Material	From	To
Top Soil	0	3
Clay, Dense red-brown	3	24
Basalt, Firm brown weathered decayed	24	33
Basalt, Coastal H blue gray	33	47
Basalt, Coastal Firm brown weathered	47	55
Basalt, Coastal MH blue gray w/clay	55	203
Basalt, Coastal MH gray	203	219
Basalt, Coastal H lavender laced w/	219	228
Same, Gray claystone	219	228
Siltstone, H gray w/ fine sandstone	228	266
Same, w/some layers XH LT brown limestone	266	278
Basalt, Coastal MH gray w/s quartz	278	295
Siltstone, H gray w/ fine sandstone	295	344
Same, some XH LT gray claystone	295	344
Marine Rock, XH LT gray/white	344	351
Siltstone, MH gray	351	366
Marine Rock, XH LT gray/white	366	370
Siltstone, MH gray w/ XH fine sandstone	370	402

Construction

Begin Date 7/19/2024 Begin Time 08:00 End Date 7/24/2024

(unbonded) Water Well Constructor Certification

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

License Number \_\_\_\_\_ Date \_\_\_\_\_

Signed \_\_\_\_\_

(bonded) Water Well Constructor Certification

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

License Number 1977 Date 7/30/2024

Signed JOSE ESTRADA (E-filed)

Drilling Company: bluwaterrdrilling@gmail.com 503-868-7878

ORIGINAL - WATER RESOURCES DEPARTMENT

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

New exempt use wells must be submitted with a map and recording fee.

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WATER SUPPLY WELL REPORT - Map with location identified must be attached and shall include an approximate scale and north arrow

**YAMH 59518**

**8/9/2024**

## Map of Hole

