

Approved: 

MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19227
Date: June 21, 2024

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Dennis Orlowski reviewed the application. Please see Dennis' Groundwater Review and the Well Reports.

Applicant's Well #1 (WASH 13286): Based on a review of the Well Report, Well #1 does not appear to comply with current minimum well construction standards (See OAR 690 Division 210). The problem is that according to the Water Supply Well Report, the well is not sealed to the proper depth. In order to meet minimum construction standards, the well must be recased and resealed with an approved grout to a minimum depth of 18 feet bgs.

My recommendation is that the Department **not issue** a permit for Well #1 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 Well #1 may not satisfy hydraulic connection issues.

Applicant's Well #2 (WASH 78965): Based on a review of the Well Report, Well #2 does not appear to comply with current minimum well construction standards (See OAR 690 Division 210). The problem is that the Water Supply Well Report is an alteration and no original report documenting construction was found. In order to meet minimum construction standards, the well must be recased and resealed with an approved grout to minimum standards.

My recommendation is that the Department **not issue** a permit for 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 Well #2 may not satisfy hydraulic connection issues.

Applicant's Well #3 (WASH 77267): 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.

(1) OWNER:

Name Richard Boyce
Address RT 3 Box 227 Sherwood Oregon

(2) LOCATION OF WELL:

County Washington Owner's number, if any—
R. F. D. or Street No. 8W 1/4 of Sec 35 R2W T9S
Bearing and distance from section or subdivision corner from SW corner of Sec 35 711 ft E & 332 N to well site

(3) TYPE OF WORK (check):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):

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

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

Threaded ☐ Welded ☒
FROM ft. to ft. Diam. Gage or Wall
"Top" 132 " 8 5/8 " 4 "
" " " " " " "
" " " " " " "
" " " " " " "
" " " " " " "
Type and size of shoe or well ring ☒ Size of gravel:
Describe joint welded

(7) PERFORATIONS:

Type of perforator used torch
SIZE of perforations 16 in., length, by 1/8 in.
FROM ft. to ft. 6 perf per foot 6 No. of rows
" 60 " 124 " " " " " " " "
" " " " " " " " " " "
" " " " " " " " " " "
" " " " " " " " " " "

SCREENS:

Give Manufacturer's Name, Model No. and Size

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☒ Yes ☐ No To what depth 15 ft.

Were any strata sealed against pollution? ☐ Yes ☒ No
If yes, note depth of strata

FROM ft. to ft.
" " "

METHOD OF SEALING

Cement

(9) WATER LEVELS:

Depth at which water was first found 75 ft.
Standing level before perforating - ft.
Standing level after perforating 14 ft.

Log Accepted by:

[Signed] Richard Boyce Dated 6/25, 1957
Owner

(10) WELL TESTS:

WASH 013286
Was a pump test made? ☐ Yes ☒ No If yes, by whom?
Yield: gal./min. with ft. draw down after hrs.
" " " " "
" " " " "
Artesian flow g.p.m.
Shut-in pressure lbs. per square inch.
Bailer test 20 g.p.m. with 80 ft. drawdown
Temperature of water 57 Was a chemical analysis made? ☐ Yes ☒ No
Was electric log made of well? ☐ Yes ☒ No

(11) WELL LOG:

Diameter of well, 8 5/8 inches.
Total depth 132 ft. Depth of completed well 132 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.
0 ft. to 3 ft. Top Soil
3 " 34 " yellow clay
34 " 69 " Brown clay
69 " 132 " yellow clay & rock
" " "
" " "
" " "
" " "
" " "
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" " "
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" " "

Ground elevation at well site 800 feet above mean sea level.

Work started May 25 1957 Completed June 1 1957

Well Driller's Statement:

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

NAME HARROW DRILLING
(Person, firm, or corporation) (Typed or printed)

Address 729 N MAIN ST Newberg

Driller's well number

[Signed] Harlow W. Huffman
(Well Driller)

License No. 117 Dated June 25, 1957

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

WASH 78965

7/25/2020

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: 45.34732333 Datum: WGS84

Longitude: -122.90554994

Township/Range/Section/Quarter-Quarter Section:
WM2.00S2.00W35SWSW

Address of Well:

21845 SW CHAPMAN RD, SHERWOOD, OR 97140

Well Label: 137365

Printed: July 4, 2020

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

WASH 77267

12/10/2018

WELL I.D. LABEL# L

START CARD #

ORIGINAL LOG #

131336

1041290

(1) LAND OWNER

Owner Well I.D. 3176

First Name _____ Last Name _____
Company SEIJE YANO REVOC.TRUST & MASAE YANO REVOC.TRUST
Address 10020 SW 141ST AVE
City BEAVERTON State OR Zip 97008

(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 CONSTRUCTIONSpecial Standard ☐ (Attach copy)

Depth of Completed Well 187.00 ft.

BORE HOLE				SEAL			
Dia	From	To	Material	From	To	Amt	sacks/lbs
10	0	79	Bentonite Chips	0	79	44	S
6	79	201				Calculated	36
						Calculated	

How was seal placed: Method ☐ A ☐ B ☐ C ☐ D ☐ E☒ Other POUR/PROBE/HYDRATE

Backfill placed from 187 ft. to 201 ft. Material CAVING ROCK

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

Explosives used: ☐ Yes Type _____ Amount _____**(5a) ABANDONMENT USING UNHYDRATED BENTONITE**

Proposed Amount

Actual Amount

(6) CASING/LINER

Casing	Liner	Dia	+	From	To	Gauge	Stl	Plstc	Wld	Thrd
☒	☐	6	☒	1	79	.25	☒	☐	☒	☐
☐	☒	4	☐	7	107	sch40	☐	☒	☐	☒
☐	☐	4	☐	127	147	sch40	☐	☒	☐	☒
☐	☐		☐				☐	☐	☐	☐
☐	☐		☐				☐	☐	☐	☐

Shoe ☐ Inside ☒ Outside ☐ Other Location of shoe(s) 79Temp casing ☒ Yes Dia 10 From + ☒ 1 To 5**(7) PERFORATIONS/SCREENS**

Perforations Method _____

Screens Type machine slot Material PVC

Perf/	Casing/	Screen	Liner	Dia	From	To	Scrn/slot width	Slot length	# of slots	Tele/ pipe size
Screen	Liner	4		107	127	.032				4
Screen	Liner	4		147	187	.032				4

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

Yield gal/min	Drawdown	Drill stem/Pump depth	Duration (hr)
20		200	1
20		180	2

Temperature 54 °F Lab analysis ☐ Yes By _____Water quality concerns? ☐ Yes (describe below) TDS amount 44 ppm

From	To	Description	Amount	Units

(9) LOCATION OF WELL (legal description)

County WASHINGTON Twp 2.00 S N/S Range 2.00 W E/W WM

Sec 35 SW 1/4 of the SW 1/4 Tax Lot 100

Tax Map Number _____ Lot _____

Lat _____ ° _____ ' _____ " or 45.34923330 DMS or DD

Long _____ ° _____ ' _____ " or -122.90574932 DMS or DD

☒ Street address of well ☐ Nearest address

21845 SW CHAPMAN RD, SHERWOOD

(10) STATIC WATER LEVEL

	Date	SWL(psi)	+	SWL(ft)
Existing Well / Pre-Alteration				
Completed Well	11/14/2018			67

Flowing Artesian? ☐ Dry Hole? ☐

WATER BEARING ZONES

Depth water was first found 139.00

SWL Date	From	To	Est Flow	SWL(psi)	+	SWL(ft)
11/14/2018	139	186	20			67

(11) WELL LOG

Ground Elevation _____

Material	From	To
Top Soil	0	6
Clay, Tan	6	13
Clay, brown w/weathered rock	13	17
Sandstone, gray w/brown clay	17	44
Basalt, decayed w/clay	44	67
Basalt, hard gray	67	139
Basalt, decayed, vesic, w/some ash	139	186
Basalt, medium gray	186	187
Basalt, gray loose/cavey grabby broken	187	201

Date Started 11/13/2018 Completed 11/14/2018

(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 1438 Date 11/15/2018

Signed DAVID PAYSINGER (E-filed)

Contact Info (optional) bluewaterdrilling.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:

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

WASH 77267

12/10/2018

Map of Hole

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Oregon Water Resources Department

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



LOCATION OF WELL

Latitude: 45.3492332958 Datum: WGS84

Longitude: -122.90574932040

Township/Range/Section/Quarter-Quarter Section:

WM 2S 2W 35 SWSW

Address of Well:

21845 SW CHAPMAN RD, SHERWOOD

Well Label: 131336

Printed: November 15, 2018

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Provided by well constructor

