Approved: 1

# Мемо

To:	Kristopher Byrd, Well Construction Manager
From:	Tommy Laird, Well Construction Program Coordinator
Subject:	Review of Water Right Application G-19346
Date:	March 5, 2025

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

Applicant's Well #1 (DESC 5603): 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.

(1) OWNER:

Bend

(3) TYPE OF WELL:

Driven

Dug

." Diam. from +2

(6) PERFORATIONS:

Type of perforator used

Size of perforations

(7) SCREENS:

WELL TESTS:

(9) CONSTRUCTION:

Was a drive shoe used? 🗆 Yes 🕱 No

Was well gravel packed? 🗆 Yes 🙀 No

Method of sealing strata off

Gravel placed from .....

52.4

Was a pump test made? X Yes D No If yes, by whom?

53\*

Did any strata contain unusable water? 🗆 Yes 🕱 No

Diam.

Yield:

Air test

r test

Temperature of water

Artesian flow

Type of Water?

Bored

(5) CASING INSTALLED:

LINER INSTALLED:

Name

City

Cable

Address

New Well 😰

Air 🔽

Mud 🗖

Π

#### STATE OF OREGON

Al Turner, Margret Turner

Reconditioning []

Steel Steel 👷 Threaded 🗆

...." Diam. from ...... ft. to ...... ft. Gauge .....

61061 Larson Road

Deepening 🗍

If abandonment, describe material and procedure in Item 12.

Domestic

Irrigation

Thermal:

in. by

Manufacturer's Name Diam. Slot Size ...... Set from ...... ft. to ..... ft.

Well screen installed? 
Yes XNo

below static level

0

gal./min. with drill stem at

gal./min. with

Well seal-Material used .... Cement 

How was cement grout placed? Pressure Grouted and the second secon

Was pump installed? ...... Yes ...... Type . SubmHP .. 15 ..... Depth 7.48 .... ft.

and the second second

depth of strata

<u>ft. to ..... ft.</u>

gal./min. with

g.p.m

"Diam. from ...... ft. to ..... ft. Gauge

п

(2) TYPE OF WORK (check):

### RECE DFC041980

WATER	RESC	URCES	DEPT
S	ALEM.	OREGO	V

Π

Ъ

X

24 hrs.

hrs.

hrs.

State Ore. 97701

Abandon 🗖

🗇 Municipal

Plastic

Welded

250

Reinjection

Π Other

(4) PROPOSED USE (check):

Industrial

Test Well

.... ft. Gauge

Withdrawal

Perforated? 
Yes X No

Drawdown is amount water level is lowered

ft. drawdown after

ft. drawdown after

Depth artesian flow encountered ...... ft.

Plugs ..... Size: location ..... ft.

Size of gravel: .....

Special standards: Yes 🛣 No 🗆

ft

. . . in

#### 3 1 Pg. 1 Of 2 Revised to show State Well No. Cemented areas 1851

State Permit No.

#### (10) LOCATION OF WELL:

County Desc	hutes		_ Dri	ller's wel	l num	ber	
NW ½	SW 48	ection	13 <sub>T.</sub>	185	R.	12E	W.M.
Tax Lot #		Lot	÷	Blk		Subdivision	
Address at well	location:		- <u></u>	<del></del>			·

#### (11) WATER LEVEL: Completed well.

Depth at which water was first	<u>st found 770</u> ft.
Static level 786 716	ft. below land surface. Date11-13-80
Artesian pressure	lbs. per square inch. Date
(12) WELL LOG:	Diameter of well below casing
Depth drilled 785	ft. Depth of completed well 770 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	То	SWL
Sandy Top-Soil	0	4	
Lava		67	
Red Cinder Conglomerate	67	71	
Brown Conglomerate	71	80	
Lava	. 80	100	
Brown Conglomerate	100	144	
Broken Lava	_ 144	159	
Brown Conglomerate	159	165	
Lava	165	167	
Brown Conglomerate, Caving	167	183	·····
Lava	- 183	205	
Broken Lava & Crevices	205	208	
Lava	208	246	<u> </u>
Broken Lava & Crevices	246	251	
Soft	251	255 -	
lava	255	260	
roken Lava	260	280	
ava		355	
Broken Lava & Crevices		410	
ava	1	490	
Brown Conglomerate		515	
	mpleted 10-		1980
Date well drilling machine moved off of well	0-28	6	<sup>19</sup> 80

	This well was constructed under my direct supervision. Materials used
	and information reported above are true to my best knowledge and helief. [Signed]
i	reimal Transformer and belief.
l	[Digned] Date 11-1/ 19 80
	Drilling Machine Operator's License No. 555

#### Water Well Contractor's Certification:

This well the best of my	was drilled knowledge	under my j and belief.	urisdiction	and this	report is t	rue to
NomoOrvai	1 Buolone	TT - TT	D-1-1-1-1	-		

(Person, firm or corporation)	(Type or print)
Address 1686 N.E. Negus Nay, Redmond,	Ore. 97756
[Signed] (Water Well Contractor)	
Contractor's License No 608Date	19 80

NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the

WATER RESOURCES DEPARTMENT,	
SALEM, OREGON 97310	
vithin 30 days from the date of well completion.	

SP\*12658-690

WATER WELL REPORT

STATE OF OREGON

## RECEIVED

DEC 0 4 1980

pg. 2 of 2

Revised tos show cemented State Well No. areas ....

WATER RESOURCES DEPT

185/12E-13cb

W.M

SALEM, OREGON State Permit No. (1) OWNER: (10) LOCATION OF WELL: Name Al Turner, Margret Turner County Deschutes Driller's well number Address 61061 Larson Road NW 14 SW 14 Section 13 т. 185 <sub>в</sub> 12Е Bend City State Ore. 97701 Tax Lot # Blk Subdivision (2) TYPE OF WORK (check): Address at well location: \*\*\*\*\*\*\* New Well Deepening 🗌 Reconditioning  $\Box$ Abandon 🗆 If abandonment, describe material and procedure in Item 12. (11) WATER LEVEL: Completed well. Depth at which water was first found (3) TYPE OF WELL: 770 (4) PROPOSED USE (check): Static level 716 ft. below land surface. Date 11-13-80 ir 🛣 Driven П Domestic 😿 Industrial Municipal Artesian pressure Mud 🗆 lbs. per square inch. Date Dug П Irrigation Test Well Other Cable . Bored п Thermal: Withdrawal Reinjection (12) WELL LOG: (5) CASING INSTALLED: 785 Depth drilled Steel ft. Depth of completed well 770 ft. Plastic Steel 🕱 Threaded 🗆 Formation: Describe color, texture, grain size and structure of materials; and show Melded 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. LINER INSTALLED: MATERIAL From Th SWL \*\*\*\* Caving Red Cinders 515 535 (6) PERFORATIONS: Hard Lava Perforated? 🗆 Yes 🕱 No 535 545 Type of perforator used Red Cinder Conglomerate 545 550 Size of perforations Brown Sandstone Conglomerate in. by in. 550 580 perforations from \_\_\_\_\_\_ ft. to \_\_\_\_\_\_ ft. to \_\_\_\_\_\_ ft. Lava 580 584 Brown Sandstone 584 630 perforations from ...... ft. to...... ft. Lava 630 636 Red Cinders 636 (7) SCREENS: 643 Well screen installed? 
Yes X No Lava 643 650 Manufacturer's Name Red Cinder Conglomerate 650 670 Hard Lava 670 Diam. \_\_\_\_\_ Slot Size ...... Set from ...... ft, to ...... ft. 770 Water Bearing Red Cinders 770 785 Diam. \_\_\_\_\_ Slot Size ..... Set from ...... ft. to ...... ft. Drawdown is amount water level is lowered WELL TESTS: \*Note- All caving formations in this below static level well were cemented with ready mix Was a pump test made? K Yes D No If yes, by whom? Engineer grout when drilled. Yield: 52.4 gal./min. with 0 ft. drawdown after 24 hrs. ir test gal./min. with drill stem at ft. hrs. gal./min. with ft. drawdown after r test ĥrs. Artesian flow g.p.m. 🚠 53\* Temperature of water Depth artesian flow encountered ..... ft. Work started 8-28 1980 Completed 10-28 (9) CONSTRUCTION: Special standards: Yes 🕱 No 🗆 Date well drilling machine moved off of well 10-28 Well seal-Material used ..... Cement **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. Number of sacks of cement used in well seal \_\_\_\_\_\_ 13 \_\_\_\_\_ sacks Drilling Machine Operator's License No. 558 How was cement grout placed? Pressure Grouted 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. Was pump installed? ....... yes ......... Type . Subm HP .....15... Depth ....748. ft. Name Orvail. Buckner. Well Drilling, Inc. (Person, firm or corporation) (Type or print) Was a drive shoe used? 
Yes XNo Plugs ...... Size: location ...... ft. Did any strata contain unusable water? 🗆 Yes 🕱 No 686 N.E. Negus. Ways. Redmond, Ore .... 977.56. Address .1 Type of Water? depth of strata [Signed] Method of sealing strata off (Water Wel Was well gravel packed? 
Yes 🕱 No Size of gravel: ..... tractor Gravel placed from ...... ft. to ...... ft.

NOTICE TO WATER WELL CONTRACTOR 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.	

19 80

180