Approved: 

MEMO

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.

WATER WELL REPORT
STATE OF OREGON

DESC 55603

RECEIVED
DEC 04 1980
WATER RESOURCES DEPT
SALEM, OREGON

Revised to show cemented areas.

State Well No. 18S/12E-13cb

State Permit No. .....

(1) OWNER:
Name Al Turner, Margret Turner
Address 61061 Larson Road
City Bend State Ore. 97701

(2) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:
Air ☒ Driven ☐
Rotary Mud ☐ Dug ☐
Cable ☐ Bored ☐

(4) PROPOSED USE (check):
Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐
Thermal: ☐ Withdrawal ☐ Reinjection ☐

(5) CASING INSTALLED:
Steel ☒ Plastic ☐
Threaded ☐ Welded ☒
8" Diam. from +2 ft. to 25 ft. Gauge .250
..." Diam. from ..... ft. to ..... ft. Gauge .....

LINER INSTALLED:
..." Diam. from ..... ft. to ..... ft. Gauge .....

(6) PERFORATIONS:
Perforated? ☐ Yes ☒ No
Type of perforator used
Size of perforations in. by in.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.
..... perforations from ..... ft. to ..... ft.

(7) SCREENS:
Well screen installed? ☐ Yes ☒ No
Manufacturer's Name .....
Type ..... Model No. .....
Diam. ..... Slot Size ..... Set from ..... ft. to ..... ft.
Diam. ..... Slot Size ..... Set from ..... ft. to ..... ft.

(8) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom?
Yield: 52.4 gal./min. with 0 ft. drawdown after 24 hrs.
" " " "
Air test gal./min. with drill stem at ft. hrs.
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m.
Temperature of water 53* Depth artesian flow encountered ..... ft.

(9) CONSTRUCTION:
Special standards: Yes ☒ No ☐
Well seal—Material used Cement
Well sealed from land surface to 25 ft.
Diameter of well bore to bottom of seal 12 in.
Diameter of well bore below seal 8 in.
Number of sacks of cement used in well seal 13 sacks
How was cement grout placed? Pressure Grouted
.....
.....
Was pump installed? yes Type Subm HP 15 Depth 748 ft.
Was a drive shoe used? ☐ Yes ☒ No Plugs ..... Size: location ..... ft.
Did any strata contain unusable water? ☐ Yes ☒ No
Type of Water? depth of strata
Method of sealing strata off
Was well gravel packed? ☐ Yes ☒ No Size of gravel: .....
Gravel placed from ..... ft. to ..... ft.

(10) LOCATION OF WELL:
County Deschutes Driller's well number
NW ¼ SW ¼ Section 13 T. 18S R. 12E W.M.
Tax Lot # Lot Blk Subdivision
Address at well location:

(11) WATER LEVEL: Completed well.
Depth at which water was first found 770 ft.
Static level ~~706~~ 716 ft. below land surface. Date 11-13-80
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:
Diameter of well below casing 8"
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	To	SWL
Sandy Top-Soil	0	4	
Lava	4	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	
Broken Lava & Crevices	246	251	
Soft	251	255	
Lava	255	260	
Broken Lava	260	280	
Lava	280	355	
Broken Lava & Crevices	355	410	
Lava	410	490	
Brown Conglomerate	490	515	

Work started 8-28 19 80 Completed 10-28 1980
Date well drilling machine moved off of well 10-28 1980

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.
[Signed] ..... Date 11-17, 19 80
(Drilling Machine Operator)
Drilling Machine Operator's License No. 558

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.
Name Orvail Buckner Well Drilling, Inc.
(Person, firm or corporation) (Type or print)
Address 1686 N.E. Negus Way, Redmond, Ore. 97756
[Signed] .....
(Water Well Contractor)
Contractor's License No. 608 Date 11-17, 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
within 30 days from the date of well completion.

SP*12658-690

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MATERIAL	From	To	SWL
Caving Red Cinders	515		535
Hard Lava	535		545
Red Cinder Conglomerate	545		550
Brown Sandstone Conglomerate	550		580
Lava	580		584
Brown Sandstone	584		630
Lava	630		636
Red Cinders	636		643
Lava	643		650
Red Cinder Conglomerate	650		670
Hard Lava	670		770
Water Bearing Red Cinders	770		785
*Note- All caving formations in this well were cemented with ready mix grout when drilled.			

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