

Approved: 

MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19400
Date: March 10, 2025

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

Applicant's Well #1 (CROO 3226): 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 51 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 (Proposed): Well #2 is a proposed well, therefore it cannot be reviewed for construction. Construction of this proposed well 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 this well, specific attention should be paid to ensure sealing requirements are met and that the well does not commingle aquifers.

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

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

C200
3226

145/15E/28AA

(START CARD) # 71880

Instructions for completing this report are on the last page of this form.

(1) OWNER: Well Number 753
Name Ochoco Real Estate
Address 1020 West Third Street
City Prineville State Ore. Zip 97754

(2) TYPE OF WORK
 New Well Deepening Alteration (repair/recondition) Abandonment

(3) DRILL METHOD:
 Rotary Air Rotary Mud Cable Auger
 Other

(4) PROPOSED USE:
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes No Depth of Completed Well 110 ft.
Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			
Diameter	From	To	Material	From	To	Sacks or pounds
<u>12</u>	<u>0</u>	<u>160</u>	<u>concrete</u>	<u>0</u>	<u>25</u>	<u>30</u>

How was seal placed: Method A B C D E
 Other _____

Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: <u>8</u>	<u>1/2</u>	<u>110</u>	<u>250</u>	<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"/>
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 factory
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
<u>70</u>	<u>110</u>	<u>1/8 x 3</u>	<u>640</u>	<u>8</u>		<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"/>

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

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
<u>400+</u>	<u>49 ft</u>	<u>110</u>	<u>1 hr.</u>

Temperature of water 53 Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL by legal description:
County Cook Latitude _____ Longitude _____
Township 14 N or S Range 15 E or W. WM.
Section 28 NE 1/4 NE 1/4
Tax Lot _____ Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) E 1100 1st

(10) STATIC WATER LEVEL:
12 ft. below land surface. Date 7-21-95
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 73

From	To	Estimated Flow Rate	SWL
<u>73</u>	<u>110</u>	<u>400+</u>	<u>12</u>

(12) WELL LOG:
Ground Elevation _____

Material	From	To	SWL
<u>Top Soil</u>	<u>0</u>	<u>2</u>	
<u>Brown clay & Gravel</u>	<u>2</u>	<u>32</u>	
<u>Gray clay</u>	<u>32</u>	<u>46</u>	
<u>yellow green clay stone</u>	<u>46</u>	<u>57</u>	
<u>Gray & Brown clay</u>	<u>57</u>	<u>73</u>	
<u>Broken Brown Rock</u>	<u>73</u>	<u>110</u>	<u>12</u>
<u>Gray clay</u>	<u>110</u>	<u>115</u>	
<u>Black sand</u>	<u>115</u>	<u>118</u>	
<u>Gray clay stone</u>	<u>118</u>	<u>160</u>	

RECORDED
AUG 23 1995
WATER RESOURCES DEPT.
SALEM, OREGON

Date started 7-12-95 Completed 7-21-95

(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 _____ WWC Number _____ Date _____

(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 Danly P. [Signature] WWC Number 584 Date 7-26-95