

Approved:



MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19354
Date: March 5, 2025

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

Applicant's Well #Well 1 (CLAC 52004): 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 the Well Report indicates the well was not sealed to the proper depth. In order to meet minimum construction standards, the well must be resealed with an approved grout to a minimum depth of 129 feet bgs. In addition, the liner pipe that was installed does not extent far enough into the lower end of the well casing. In order to meet standards, the liner pipe must extend a minimum of eight feet into the lower end of the well casing.

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 repair of Well 1 may not satisfy hydraulic connection issues

Applicant's Well #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)

RECEIVED

JUL 14 1997

(START CARD) # W 098048

(1) OWNER:

Name Hope Village
Address PO Box 1128
City Cantley State Ore Zip 97013

Well Number

WATER RESOURCES DEPT.
SALEM, OREGON

(9) LOCATION OF WELL by legal description:

County Clatsop Latitude _____ Longitude _____
Township 4S N or S. Range 1E E or W. WM. _____
Section 4 NE 1/4 SW 1/4
Tax Lot 800 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) 1441 S Ivy St
Cantley Ore 97013

(2) TYPE OF WORK:

☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD:

☐ Rotary Air ☐ Rotary Mud ☒ Cable
☐ Other _____

(4) PROPOSED USE:

☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other _____

(5) BORE HOLE CONSTRUCTION:

Special Construction approval ☐ Yes ☐ No Depth of Completed Well 270 ft.
Explosives used ☐ Yes ☒ No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
12"	0	90	Cement	-1	30+	48
8"	90	330				

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:	8"	+	1	285	250	<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:	6"	280	320	165	<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"/>

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:

☐ Perforations Method _____
☐ Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
280	320	1/8x6	480	6"		<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"/>

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

☐ Pump ☐ Bailer ☐ Air ☐ Flowing
☐ Artesian

Yield gal/min	Drawdown	Drill stem at	Time
300	147	210	7 hr.

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 for use

☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____

Depth of strata: 48' to 76'

ORIGINAL & FIRST COPY - WATER RESOURCES DEPARTMENT

SECOND COPY - CONSTRUCTOR

THIRD COPY - CUSTOMER

9809C 10/91

(10) STATIC WATER LEVEL:

63 ft. below land surface. Date 6-18-97
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:

Depth at which water was first found 48

From	To	Estimated Flow Rate	SWL
285	340	300+	63

(12) WELL LOG:

Ground elevation 168'

Material	From	To	SWL
TOP	0	3	
Boulder s	3	30	
Cement Gravel Large	30	76	48
Blue Clay with small gravel	76	88	
Gray clay	88	123	
Light Brown Clay	123	146	
Dark Blue Clay (Sticky)	146	168	
Light Gray some sand	168	194	
Light Blue clay	194	212	
Dark clay Hard	112	118	
Dark sand	118	124	
Dark clay stone	124	168	
Gray clay	168	224	
Reddish Brown clay	224	256	
Dark silty clay	256	266	
Light green clay	266	285	
Conglomerate (broken)	285	295	63
Light Blue Clay Hard	295	314	
Dark Blue Clay (Hard)	314	327	
Dark sand (course)	327	338	63
Gray clay sticky	338	340	

Date started Mar 24 97 Completed June 18 97

(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 well construction standards. Materials used and information reported above are true to my best knowledge and belief.

WWC Number _____
Signed _____ 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 well construction standards. This report is true to the best of my knowledge and belief.

WWC Number 449
Signed John W. Beak Date 6-18-97