

Approved:



# MEMO

**To:** Kristopher Byrd, Well Construction Manager  
**From:** Tommy Laird, Well Construction Program Coordinator  
**Subject:** Review of Water Right Application G-19249  
**Date:** August 27, 2024

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 #1 (COLU 2248): 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.

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

# RECEIVED WATER WELL REPORT

**COLU**  
**2248**

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

JUL 31 1980

STATE OF OREGON  
(Please type or print)

State Well No. 7N/30-12ba  
State Permit No. \_\_\_\_\_

WATER RESOURCES DEPT  
SALEM, OREGON

### (1) OWNER:

Name Church of Jesus Christ Latter Day Saints  
Address Longview Washington  
well at Rt. 4 Box #177 Rainier, Oregon

### (2) TYPE OF WORK (check):

New Well  Deepening  Reconditioning  Abandon   
If abandonment, describe material and procedure in Item 12.

### (3) TYPE OF WELL:

Rotary  Driven   
 Jetted   
 Bored

### (4) PROPOSED USE (check):

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

### (5) CASING INSTALLED:

Threaded  Welded   
12" Diam. from 7'2.4" ft. to 12'9.5" ft. Gage 322  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_  
" Diam. from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Gage \_\_\_\_\_

### (6) PERFORATIONS:

Perforated?  Yes  No.  
Type of perforator used Mills Knife  
Size of perforations 3/8 in. by 2 1/2 in.  
66 perforations from 6.0 ft. to 6.6 ft.  
120 perforations from 6.9 ft. to 8.0 ft.  
125 perforations from 10.9 ft. to 13.0 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  
a pump test made?  Yes  No If yes, by whom? OWNER  
Yield: 1500 gal./min. with 4 ft. drawdown after 4 hrs.  
well recovered to 2 1/2' while pumping 1500 G.P.M.  
water table affected by Columbia River tide  
Packer test \_\_\_\_\_ gal./min. with \_\_\_\_\_ ft. drawdown after \_\_\_\_\_ hrs.  
Artesian flow \_\_\_\_\_ g.p.m.  
Temperature of water \_\_\_\_\_ Depth artesian flow encountered \_\_\_\_\_ ft.

### (9) CONSTRUCTION:

Well seal—Material used cement grout  
Well sealed from land surface to 20 ft.  
Diameter of well bore to bottom of seal 16 in.  
Diameter of well bore below seal 12 in.  
Number of sacks of cement used in well seal 135 w/5% barwhite sacks  
How was cement grout placed? pressure grouted  
with tremmie pipe  
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 Columbia Driller's well number \_\_\_\_\_  
NE 1/4 NW 1/4 Section 12 T. 7N R. 3W W.M. \_\_\_\_\_  
Bearing and distance from section or subdivision corner \_\_\_\_\_

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

Depth at which water was first found 17 ft.  
Static level +1'6" to 2' ft. below land surface. Date 6-16-80  
Artesian pressure 1/2 # lbs. per square inch. Date 6-16-80

### (12) WELL LOG:

Diameter of well below casing 12  
Depth drilled 130 ft. Depth of completed well 122 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
top soil	0	1	
clay blue grey	1	16	
boulders w/clay	16	19	
GRAVEL w/SAND	19	43	
clay silty w/gravel	43	50	
GRAVEL w/ SAND	50	81	
clay GRAVEL SAND	81	95	
SAND w/some GRAVEL	95	99	
GRAVEL SAND	99	130	

Pressure pumped 8 Feet of  
cement plug in bottom  
of well

Work started May 20 1980 Completed June 16 1980  
Date well drilling machine moved off of well June 18 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] Dale McChae Date 7-1 1980  
(Drilling Machine Operator)

Drilling Machine Operator's License No. 363

### 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 Dale McChae & Sons Well Drilling Inc  
(Person, firm or corporation) (Type or print)

Address 3032 Allen St. Kelso Wash. 98626

[Signed] Dale McChae  
(Water Well Contractor)

Contractor's License No. 424 Date July 1 1980