

Approved: 

# MEMO

**To:** Kristopher Byrd, Well Construction Manager  
**From:** Tommy Laird, Well Construction Program Coordinator  
**Subject:** Review of Water Right Application G-19189  
**Date:** June 3, 2024

The attached application was forwarded to the Well Construction Section by the Groundwater Section. Halley Schibel and Travis Brown reviewed the application. Please see Halley's and Travis' Groundwater Review and the Well Report.

Applicant's Well "Well 1" (MARI 2722): 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 was sealed with an unapproved grout and insufficient annular space. In order to meet minimum construction standards, the well must be recased and resealed with an approved grout to a minimum depth of 18 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.

**NOTICE TO WATER WELL CONTRACTOR**

The original and first copy of this report are to be filed with the

STATE ENGINEER, SALEM, OREGON

within 30 days from the date of well completion.

2722  
MARI...

**WATER WELL REPORT**

STATE OF OREGON

(Please type or print)

(Do not write above this line)

**RECEIVED**

001 26 1972

**STATE ENGINEER SALEM, OREGON**

Well No. 55/W-29

Permit No. \_\_\_\_\_

**(1) OWNER:**

Name Charfotta Keene  
Address St. Louis Ave 97026

**(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   
Cable  Jetted   
Dug  Bored

**(4) PROPOSED USE (check):**

Domestic  Industrial  Municipal   
Irrigation  Test Well  Other

**(5) CASING INSTALLED:**

Threaded  Welded   
12" Diam. from +2' ft. to 168.2' ft. Gage .250  
" 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 5/16 in. by 2 in.  
9.00 perforations from 11.7 ft. to 14.7 ft.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.  
perforations from \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

**(7) SCREENS:**

Well screen installed?  Yes  No  
Manufacturer's Name \_\_\_\_\_ Model No. \_\_\_\_\_  
Type \_\_\_\_\_  
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: 600 gal./min. with 38 ft. drawdown after 4 hrs.  
with air lift  
" " " " " "  
" " " " " "  
Baller 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 bentonite spudded in  
Well sealed from land surface to 35 ft.  
Diameter of well bore to bottom of seal 12 in.  
Diameter of well bore below seal 12 in.  
Number of sacks of cement used in well seal 0 sacks  
Number of sacks of bentonite used in well seal 12 sacks  
Brand name of bentonite David  
Number of pounds of bentonite per 100 gallons of water 200 lbs./100 gals.  
Was a drive shoe used?  Yes  No Plug \_\_\_\_\_ 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 Marion Driller's well number 7218  
1/4 1/4 Section 29 T. 55 R. 2W W.M.  
Bearing and distance from section or subdivision corner \_\_\_\_\_

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

Depth at which water was first found 21 ft.  
Static level 30'1" ft. below land surface. Date 10-12-72  
Artesian pressure \_\_\_\_\_ lbs. per square inch. Date \_\_\_\_\_

**(12) WELL LOG:**

Diameter of well below casing -12"  
Depth drilled 170 ft. Depth of completed well 168 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
topsoil	0	2	
brown clay	2	21	
brown silty clay	21	27	
blue clay	27	48	
brown silty clay	48	57	
blue clay	57	65	
fine brown sand	65	70	
brown clay	70	81	
black sand	81	86	
blue clay	86	95	
black sand	95	98	
black sand & gravel (4)	98	120	28
blue sand & clay	120	123	
black sand & gravel (4)	123	146	28
gray clay	146	165	
brown sandy clay	165	170	

Work started 9-27 1972 Completed 10-16 1972  
Date well drilling machine moved off of well 10-16 1972

**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] Edgar J. Muller Date \_\_\_\_\_, 19\_\_\_\_  
Drilling Machine Operator

Drilling Machine Operator's License No. 581

**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 Milo Schneider Equipment Co.  
(Person, firm or corporation) (Type or print)

Address Star Rt. Box 97 St. Paul, Ore 97137

[Signed] Milo Schneider  
(Water Well Contractor)

Contractor's License No. 387 Date 10-24-72, 19\_\_\_\_