

Approved:



MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19463
Date: May 15, 2025

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

Applicant's Well #1 (CLAC 12603): 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 well report, the well was not sealed to the proper depth and the well was sealed with an unapproved grout. Additionally, the well head is indicated as being flush with land surface. In order to meet minimum construction standards, the well must be resealed with an approved grout and the well head must be at least one foot above land surface.

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

NOTICE TO WATER WELL CONTRACTOR

The original and first copy of this report are to be filed with the STATE ENGINEER, SALEM 10, OREGON within 30 days from the date of well completion.

RECEIVED

APR 27 1962

WATER WELL REPORT

012603

4/1-28 F.I.

STATE OF OREGON
(Please type or print)

State Well No.

State Permit No.

(1) OWNER:

Name CLYDE C. BACKSEN
Address 1375 ~~TEKNA~~ ~~DR~~ ~~N~~ ~~E~~ ~~TIERRA DR. N. E~~
SALEM, OREGON

(2) LOCATION OF WELL:

County CLACKAMAS Driller's well number
1/4 1/4 Section 28 T. 4S R. R1E W.M.
Bearing and distance from section or subdivision corner

(3) TYPE OF WORK (check):

New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
Abandonment, describe material and procedure in Item 12.

(4) PROPOSED USE (check):

Domestic ☐ Industrial ☐ Municipal ☐ Rotary ☐ Driven ☐
Irrigation ☒ Test Well ☐ Other ☐ Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(5) TYPE OF WELL:

(6) CASING INSTALLED:

Threaded ☐ Welded ☒
10 Diam. from TOP ft. to 157 ft. Gage
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:

Perforated? ☒ Yes ☐ No
Type of perforator used MILLS
Size of perforations 2X1 in. by in.
120 perforations from 116 ft. to 125 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:

Well screen installed ☐ Yes ☒ No
Manufacturer's Name
Model No.
Slot size Set from ft. to ft.
Diam. Slot size Set from ft. to ft.

(9) CONSTRUCTION:

Well seal—Material used in seal PUDDLE CLAY
Depth of seal 20 ft. Was a packer used?
Diameter of well bore to bottom of seal in.
Were any loose strata cemented off? ☐ Yes ☐ No Depth
Was a drive shoe used? ☒ Yes ☐ No
Was well gravel packed? ☐ Yes ☒ No Size of gravel:
Gravel placed from ft. to ft.
Did any strata contain unusable water? ☐ Yes ☐ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:

Static level 35 ft. below land surface Date
Artesian pressure lbs. per square inch Date

(11) WELL TESTS:

Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom? DRILLER
Yield: 370 gal./min. with 110 ft. drawdown after 6 hrs.
" 330 " 89 " 6 "
" 310 " 77 " 6 "
Bailer test gal./min. with ft. drawdown after hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

(12) WELL LOG:

Diameter of well below casing 10
Depth drilled 225 ft. Depth of completed well 171 ft.
Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
TOP DIRT	0	2
GRAY CLAY	2	4
BROWN SANDY SILT	4	30
BROWN SANDY SHALE	30	32
STICKY BLUE SHALE	32	45
BROWN SANDY SHALE	45	80
GRAYISH BLACK SAND & SHALE	80	115
BLACK SAND & GRAVEL SMALL	115	122
BLACK SANDY SHALE	122	130
STICKY BLUE SHALE SOFT	130	150
STICKY BLUE SHALE HARD	150	171
BLACK SAND & GRAVEL	171	173
GRAY SHALE	173	184
HARD BLUE SHALE	184	225

Work started APRIL 4 1962 Completed APRIL 18 1962
Date well drilling machine moved off of well 19

(13) PUMP:

Manufacturer's Name
Type: H.P.

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 WILLAMETTE DRILLING CO
(Person, firm or corporation) (Type or print)

Address RT. 3 BOX 276 SALEM, OREGON

Drilling Machine Operator's License No. Job No 728

[Signed] Livingston (Water Well Contractor)

Contractor's License No. 8 Date April 18, 1962