

Approved:



MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19424
Date: April 28, 2025

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

Applicant's Well #1 (DESC 2989): 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. 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 construction of Well 1 may not satisfy hydraulic connection issues.

Applicant's Well #2 (DESC 56693): Based on a review of the Well Report, Applicant's Well #2 seems to protect the groundwater resource.

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

Applicant's Well #3 (DESC 345): Based on a review of the Well Report, Applicant's Well #3 seems to protect the groundwater resource.

The construction of Well #3 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 97310
within 30 days from the date
of well completion.

RECEIVED

AUG 21 1968

STATE OF OREGON

(Please type or print)

STATE ENGINEER
SALEM OREGON

(Type above this line)

DESC
2989

State Well No. 15/10-4

State Permit No.

(1) OWNER:

Name George L. Leanard

Address 905 Corbett Bldg. Portland, 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 ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(4) PROPOSED USE (check):

Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) CASING INSTALLED:

8" Diam. from 0 ft. to 60 ft. Gage 250
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(6) PERFORATIONS:

Perforated? ☒ Yes ☐ No.

Type of perforator used Cutting torch

Size of perforations 8 in. by 1/2 in.
100 perforations from 18 ft. to 60 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to 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) WATER LEVEL: Completed well.

Static level 40 ft. below land surface Date 5/10/67

Man pressure lbs. per square inch Date

(9) WELL TESTS:

Drawdown is amount water level is
lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield: gal./min. with ft. drawdown after hrs.

" " " " " "

" " " " " "

Bailer test 80 gal./min. with 0 ft. drawdown after 2 hrs.

Artesian flow g.p.m. Date

Temperature of water 54 Was a chemical analysis made? ☐ Yes ☐ No

(10) CONSTRUCTION:

Well seal—Material used Bentonite & Drill mud

Depth of seal 18 ft.

Diameter of well bore to bottom of seal 10 in.

Were any loose strata cemented off? ☐ Yes ☒ No Depth

Was a drive shoe used? ☒ Yes ☐ No

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.

(11) LOCATION OF WELL:

County Deschutes Driller's well number

1/4 Section 4 T.15S R. 10E W.M.

Bearing and distance from section or subdivision corner

(12) WELL LOG:

Diameter of well below casing 8

Depth drilled 60 ft. Depth of completed well 60 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 as drilling proceeds. Note drilling rates.

MATERIAL	From	To	SWL
Overburden	0	3	
Bold and Cong	3	16	
Water Bearing sand	16	25	
Bold and Cong	25	40	
Water Bearing sand	40	60	

WELL ABANDON UNTIL LATER DATE

LID WELDED ON

Work started 5/5 1967 Completed 5/12 1967

Date well drilling machine moved off of well 5/13 1967

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] C.M. Briggs Date 5/13, 1967
(Drilling Machine Operator)

Drilling Machine Operator's License No. 478

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 Kriege Drilling Service
(Person, firm or corporation) (Type or print)

Address Rt. 1 Box 164B, Redmond, Oregon

[Signed] C.M. Briggs
(Water Well Contractor)

Contractor's License No. 468 Date 5/13, 1967

STATE OF OREGON
Water Supply Well Report

(as required by ORS 537.765)

DESC 56693

DESC

Received Date: 04-20-2005

Well ID Tag # L 73273

Start Card # 169995

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

(1) Owner

Well Number:

Name: THOMAS FISH

MARY FISH CREDIT SHELTER

Street: PO BOX 8292

City: BLACK BUTTE RANCH State: OR Zip Code: 97759

(2) Type of Work

- ☒ New ☐ Alter (Recondition) ☐ Alter (Repair)
☐ Deepening ☐ Abandonment

(3) Drill Method

- ☐ Rotary Air ☐ Rotary Mud ☒ Cable ☐ Auger
Other:

(4) Proposed Use

- ☒ Domestic ☐ Community ☐ Industrial ☐ Irrigation ☐ Injection
☐ Livestock ☐ Thermal Other:

(5) Bore Hole Construction

- ☐ Special Standards: Depth of completed well: 103.00 ft.
☐ Explosives Used: Amount: Type:

Hole			Seal			
Diameter	From	To	Mtrl	From	To	Sacks/lbs
10.00	0.00	35.00	BC	0.00	35.00	44
6.00	35.00	103.00				

How was seal placed?

Other: POURED DRY

Back fill placed from:

Material:

Filter pack from:

Size:

(6) Casing / Liner

Csng/ Liner	Diameter	From	To	Gauge	Mtrl	Weld	Thrd	Shoe at	Shoe used
C	6.00	1.00	103.00	.250	S	X		103	In

(7) Perforation / Screens

Perforations:									
Mtrl	From	To	Width	Height	#Slots	Dia.	t/pSize	Csng/ Lnr	Method

Screens:

Mtrl	From	To	S Size	#Slots	Dia.	t/pSize	Type	Gauge
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(8) Well Tests (Minimum testing time is one hour)

Type	Yield	Units	Drawdown	Stem at	Duration
B	40.00	G	0.00		2.00

Temperature of Water: 48 F

Was water analysis done? ☐

Depth of artesian flow:

by whom?

Did any strata contain water unsuitable for use? ☐ Too Little ☐ Salty

☐ Muddy ☐ Odor ☐ Colored other:

Depth of strata:

(9) Location of Hole by legal description

County: DESC Latitude: Longitude:

Township: 15.00 S Range: 10.00 E

Section: 4 NESE Lot: Block:

Tax Lot: 1303 Subdivision:

Street Address of Well (or nearest address):

520 N COWBOY ST SISTERS

MAP, with location identified, must be attached.

(10) Static Water Level

Feet below land surface: 66.0 Date: 03 / 30 / 2005

Artesian Pressure: Date:

(11) Water Bearing Zones

Depth at which water was first found: 90.00 ft.

From	To	est Flow	swl
90.00	103.00	40.00	66

(12) Well Log

Ground Elevation:

Material	From	To	swl
SAND CLAY COBBLELS	0.00	20.00	
CONGLOMERATE BROWN	20.00	52.00	
SILT CLAY	52.00	61.00	
SAND GRAY FINE	61.00	66.00	
SAND BLACK	66.00	96.00	
GRAVELS SMALL MEDIUM	96.00	103.00	66

Date Started: 03 / 25 / 2005

Date Completed: 03 / 30 / 2005

(unbonded) Water Well Constructor Certification:

I certify that the work I perform 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 the best knowledge and belief.

Signed by: THOMAS R PECK

WWC #: 758

(bonded) Water Well Constructor Certification:

I accept responsibility for the constuction, 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.

Signed by: JACK ABBAS

WWC #: 1720

ABBAS WELL DRILLING CO

Phone: 541-548-2787

