

Approved:



MEMO

To: Kristopher Byrd, Well Construction Manager
From: Tommy Laird, Well Construction Program Coordinator
Subject: Review of Water Right Application G-19435
Date: June 4, 2025

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

Applicant's Well #1 (UNIO 173): Based on a review of the well report and because commingling is believed unlikely based on the available information, the construction of Well #1 seems to protect the groundwater resource. If new or additional information is provided at a later date that contradicts this determination, then the Department will re-review the construction of Well #1.

The construction of Well #1 may not satisfy hydraulic connection issues

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.

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

Page 1

State Well No. 15/38 E-36b

State Permit No.

(1) OWNER:

Name **B. L. Davis**Address **Adams, Oregon 97810**

(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 ☐

CASING INSTALLED:

Threaded ☐ Welded ☒

8" Diam. from +1 ft. to 362 ft. Gage 250
12" Diam. from 0 ft. to 1026 ft. Gage 250
10" Diam. from 1026 ft. to 1394 ft. Gage 250

PERFORATIONS:

Perforated? ☒ Yes ☐ No.Type of perforator used **Machine**

Size of perforations $\frac{1}{4}$ in. by 2 in.
4800 perforations from 1294 ft. to 1394 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) 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.

" " " "

Baller test gal./min. with ft. drawdown after hrs.

Artesian flow 1700 g.p.m.

Temperature of water Depth artesian flow encountered ft.

(9) CONSTRUCTION:

SEE ATTACHMENT.*Well seal—Material used **Neat cement

Well sealed from land surface to 18 ft.

Diameter of well bore to bottom of seal 26 in.

Diameter of well bore below seal 26 in.

Number of sacks of cement used in well seal 45 sacks

Number of sacks of bentonite used in well seal sacks

Brand name of bentonite

Number of pounds of bentonite per 100 gallons

of water lbs./100 gals.

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: 3/8-

Gravel placed from 18 ft. to 355 ft.

(10) LOCATION OF WELL:

County **Union** Driller's well number $\frac{1}{4}$ NW $\frac{1}{4}$ Section 36 T. 15. R. 38 E. W.M.

Bearing and distance from section or subdivision corner

Center of

(11) WATER LEVEL: Completed well.

Depth at which water was first found 100 ft.

Static level ft. below land surface. Date

Artesian pressure 32 lbs. per square inch. Date 12/11/78

(12) WELL LOG:

Cased to bottom. Diameter of well below casing

Depth drilled 1394 ft. Depth of completed well 1394 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	3	
Clay brown	3	73	
Clay soft brown	73	100	
Clay and sand	100	105	
Clay and sandstone	105	112	
Clay blue	112	160	
Clay and sand	160	168	
Sand and clay	168	176	
Clay blue and sandstone	176	183	
Clay and sand	183	193	
Clay blue	193	206	
Sand	206	210	
Clay and sand	210	213	
Sand	213	223	
Clay blue and sand	223	228	
Clay brown	228	257	
Sand	257	270	
Clay and sand	270	284	
Sand and gravel	284	300	

Work started 12/1 1977 Completed 12/11 1978

Date well drilling machine moved off of well 12/11 1978

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] *Steve Moore* Date 6/11, 1979
(Drilling Machine Operator)

Drilling Machine Operator's License No. 755

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 **Steve Moore**
(Person, firm or corporation) (Type or print)Address **P. O. Drawer P, Moses Lake, Wa. 98837**[Signed] *Steve Moore*
(Water Well Contractor)

Contractor's License No. 628 Date 6/11, 1979

WATER WELL REPORT

Page 3

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

STATE OF OREGON

(Please type or print)

(Do not write above this line)

State Well No. 15/38E-36b

State Permit No. W910173

(1) OWNER:

Name B. L. Davis
Address Adams, 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 ☐

CASING INSTALLED:

Threaded ☐ Welded ☐

" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

PERFORATIONS:

Perforated? ☐ Yes ☐ No.

Type of perforator used

Size of perforations	in. by	in.
..... 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) 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	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
Well sealed from land surface to ft.
Diameter of well bore to bottom of seal in.
Diameter of well bore below seal in.
Number of sacks of cement used in well seal sacks
How was cement grout placed?

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 Driller's well number
1/4 1/4 Section T. R. W.M.

Bearing and distance from section or subdivision corner

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level ft. below land surface. Date
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing

Depth drilled ft. Depth of completed well 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
Basalt blk w/gray & grn clay	666	698	
Clay gray w/soft blk basalt	698	706	
Basalt blk broken w/clay	706	721	
Basalt black	721	724	
Basalt gray brkn w/gray clay	724	771	
Basalt black soft	771	779	
Basalt blk w/grn clay	779	820	
Clay grn hard w/blk basalt	820	830	
Basalt gray hard	830	850	
Basalt gray with tan clay	850	859	
Basalt gray & green clay	859	864	
Clay brown soft	864	865	
Clay red w/blk basalt	865	897	
Clay red	897	902	
Basalt blk w/red & grn clay	902	903	
Basalt blk hard & broken	903	910	
Basalt black w/grn clay	910	945	
Basalt blk w/gray clay soft	945	951	
Clay red w/black basalt	951	973	

Work started	19	Completed	19
Date well drilling machine moved off of well			19

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] Date, 19.....
(Drilling Machine Operator)

Drilling Machine Operator's License No.

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
(Person, firm or corporation) (Type or print)

Address

[Signed]
(Water Well Contractor)

Contractor's License No. Date, 19.....

Attachment to B. L. Davis well:

Set 18" casing to 362'

18' surface seal and neat cement from 340' to 362'

Casing Set - 1026' of 12"
368' of 10"

A B & W float collar was welded in at 1284' with a cement basket at 1286' on the outside of the casing.

200 sacks of cement mixed with 5 gals. of water to the sack was pumped out through the float collar.

RECEIVED
JUN 17 1979
LAND RESOURCES DIV.
SELEM, OREGON