

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

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

DESC
5578

WATER WELL REPORT

STATE OF OREGON

(Please type or print)

(Do not write above this line)

RECEIVED

APR 2 1978

State Well No.

18s/12E-5bc

State Permit No.

WATER RESOURCES DEPT.

SALEM, OREGON

(1) OWNER:

Name CITY OF BEND
Address P.O. Box 431
BEND, OR. 97701

(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
1" Diam. from 0 ft. to 46 ft. Gage 1312
1.8" Diam. from 0 ft. to 234 ft. Gage 1375
1.4" Diam. from 0 ft. to 706 ft. Gage 1375

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? OWNER
Yield: 2000 gal./min. with 185 ft. drawdown after 17 hrs.

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

Artesian flow g.p.m.

Temperature of water 58 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal—Material used PORTLAND CEMENT TYPE 1-11
Well sealed from land surface to 706 ft.
Diameter of well bore to bottom of seal 17 3/4 in.
Diameter of well bore below seal in.
Number of sacks of cement used in well seal 413 sacks
How was cement grout placed? GRAVITY FLOW WHILE VIBRATING CASING TO PREVENT BRIDGING.

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 DESCANTES Driller's well number
SW 1/4 NW 1/4 Section 5 T. 18S R. 12E W.M.

Bearing and distance from section or subdivision corner 300 Ft. WEST OF EXISTING BEND CITY WELL #1

(11) WATER LEVEL: Completed well.

Depth at which water was first found ft.
Static level 242 ft. below land surface. Date 3-21-78
Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 10"
Depth drilled 5 ft. Depth of completed well 800 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
<u>FILL MATERIALS</u>	<u>+5</u>	<u>-5</u>	
<u>BLDS, GRAVEL & SAND B&K</u>	<u>5</u>	<u>27</u>	
<u>" " " " TAN</u>	<u>27</u>	<u>43</u>	
<u>BASALT, BLK, BRKN MED SFT</u>	<u>43</u>	<u>70</u>	
<u>" BRKN BLK</u>	<u>70</u>	<u>101</u>	
<u>" GRAY MED HD</u>	<u>101</u>	<u>106</u>	
<u>" REDD BLK BRKN C. MED HD</u>	<u>106</u>	<u>175</u>	
<u>" " BRN " "</u>	<u>175</u>	<u>199</u>	
<u>" GRAVEL CEMENTED, CONG.</u>	<u>199</u>	<u>224</u>	
<u>GRAVEL BLK BASALT</u>	<u>224</u>	<u>232</u>	
<u>BASALT, BLK MED HD</u>	<u>232</u>	<u>285</u>	
<u>" " HD.</u>	<u>285</u>	<u>326</u>	
<u>" " VESICULAR (FRONT)</u>	<u>326</u>	<u>337</u>	
<u>" " FRACTURED HD.</u>	<u>337</u>	<u>342</u>	
<u>" " " MED HD.</u>	<u>342</u>	<u>367</u>	
<u>" " " HD.</u>	<u>367</u>	<u>387</u>	
<u>" " " MED HD.</u>	<u>387</u>	<u>445</u>	
<u>GRAVEL BASALTIC SAND REDDISH</u>			
<u>BRN TAN CLAY SEAMS</u>	<u>445</u>	<u>462</u>	

Work started 10-10 1977 Completed 1-23 1978

Date well drilling machine moved off of well 1-23 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] William D. Williams Date 3-31, 1978
(Drilling Machine Operator)

Drilling Machine Operator's License No. 864

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 William D. Williams
(Person, firm or corporation) (Type or print)

Address 3790 N.W. Oak Ln Redmond OR 97720

[Signed] William D. Williams
(Water Well Contractor)

Contractor's License No. 665 Date 3-31, 1978

Bill.

The reason this log is so late being filed is because I was waiting for Fred Blute to complete the log to the physical log & I just received the results.

Sincerely,

W. D. Williams