

NOTICE TO WATER WELL CONTRACTOR

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

DESC 39-DESC 3903

WATER WELL REPORT

STATE ENGINEER, SALEM, OREGON

within 30 days from the date of well completion.

RECEIVED STATE ENGINEER SALEM, OREGON

DEC 9 1968

RECEIVED STATE ENGINEER SALEM OREGON

15/12-18 adc

(1) OWNER:

Name BONNIVILLE POWER
Address SUB-STATION REDWOOD-VANCOUVER OREGON

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon []

(3) TYPE OF WELL:

Rotary [] Driven []
Cable [X] Jetted []
Dug [] Bored []

(4) PROPOSED USE (check):

Domestic [] Industrial [X] Municipal []
Irrigation [] Test Well [] Other []

CASING INSTALLED:

14" Diam. from 0 ft. to 30 ft. Gage 365
8" Diam. from 0 ft. to 30 ft. Gage 279
5" Diam. from 0 ft. to 425 ft. Gage 259

PERFORATIONS:

Perforated? [X] Yes [] No.
Type of perforator used TORCH
Size of perforations 1/4 in. by 1 in.
955 perforations from 0 ft. to 425 ft.
perforations from 390 ft. to 425 ft.

(7) SCREENS:

Well screen installed? [X] Yes [] No
Manufacturer's Name J. H. H. S. O. Model No. #40011
Diam. 8 Slot size USED SCREEN SIZE NO 7 4/8"
Diam. Slot size Set from 425 ft. to 435 ft.

(8) WATER LEVEL: Completed well.

Water level 277 ft. below land surface Date 10-5-68
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? [X] Yes [] No If yes, by whom? PUMP EXPERT
250 gal./min. with 14 ft. drawdown after 8 hrs.

Bailer test 30 gal./min. with 20 ft. drawdown after 32 hrs.
Artesian flow g.p.m. Date

Temperature of water 51 Was a chemical analysis made? [] Yes [X] No

(10) CONSTRUCTION:

Well seal—Material used CEMENT
Depth of seal 70 ft.
Diameter of well bore to bottom of seal 16 in.
Were any loose strata cemented off? [X] Yes [] No Depth 50
Was a drive shoe used? [] Yes [X] No
Did any strata contain unusable water? [] Yes [X] No
Type of water depth of strata
Method of sealing strata off
Was well gravel packed? [X] Yes [] No Size of gravel 1/4 x 3/4
Gravel placed from 70 ft. to 440 ft.

(11) LOCATION OF WELL:

County DESC- Driller's well number
1/4 1/4 Section 13-15-22-16 W.M.

Bearing and distance from section or subdivision corner

SEC - 18 - T - 15 - S - 12 - 13 - E

(12) WELL LOG:

Diameter of well below casing 70 BOTTOM
Depth drilled 440 ft. Depth of completed well 440 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.

Table with columns: MATERIAL, From, To, SWL. Rows include SANDY TOP SOIL, GREY BASALT-MED-HARD, BASALT BOULDERS-RED CLAY, BASALT BOULDERS BROWN CLAY, BROWN BOULDER CONG., BROWN POROUS BOULDERS, RED BROWN ENDERS, SOFT BOULDER CONG., SAND STONE, ASH, SAND STONE SOFT, BOULDER CONG., BLACK SAND-CINDERS, GREY MED HARD BASALT, RED CINDERS, RED SAND, BROWN SANDSTONE, FROM 277 TO 440, ALL WATER BEARING, BLACK SAND-FROM 277 440, VERY FINE TO PEA GRAVEL.

Work started 7-29 1968 Completed 9-24 1968
Date well drilling machine moved off of well 9-24 1968

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] Thomas John Date 10-5, 1968 (Drilling Machine Operator)

Drilling Machine Operator's License No. 370

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 JACKSON DRILLING SERV (Person, firm or corporation) (Type or print)

Address REDWOOD OREGON

[Signed] Thomas John (Water Well Contractor)

Contractor's License No. 442 Date 10-5, 1968

NOTICE TO WATER WELL CONTRACTOR

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STATE ENGINEER, SALEM, OREGON 97310
within 30 days from the date of well completion.

DESC
3903

WATER WELL REPORT

STATE OF OREGON

(Please type or print name of contractor)
(Do not write above this line)

3903
OCT 3, 1968
STATE ENGINEER
SALEM OREGON

State Well No.

15/13-18 ade

State Permit No. G3829

REDMOND Substation

(1) OWNER:

Name Bonneville Power Administration
Address P. O. Box 3621, Portland, Ore. 97208

(2) TYPE OF WORK (check):

New Well Deepening Reconditioning Abandon

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

Rotary Cable Dug
Driven Jetted Bored

(4) PROPOSED USE (check):

Domestic Industrial Municipal
Irrigation Test Well Other

CASING INSTALLED:

Threaded Welded
1 1/4" Diam. from 0 ft. to 52 ft. Gage 365
8" Diam. from 0 ft. to 430 ft. Gage 279

PERFORATIONS:

Perforated? Yes No.

Type of perforator used Torch
Size of perforations 1/4 in. by 1 in.
32 per ft. perforations from 105 ft. to 185 ft.
988 perforations from 390 ft. to 425 ft.

(7) SCREENS:

Well screen installed? Yes No

Manufacturer's Name Johnson
Type Sand Model No. #40611
Diam. 8" Slot size Set from 425 ft. to 435 ft.
Diam. Slot size Set from ft. to ft.

(8) WATER LEVEL: Completed well.

Static level 277 ft. below land surface Date 10-5-68
Artesian 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? Pump Center
Flow: 250 gal./min. with 14 ft. drawdown after 8 hrs.

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

Artesian flow g.p.m. Date

Temperature of water 51 Was a chemical analysis made? Yes No

(10) CONSTRUCTION:

Well seal—Material used Cement
Depth of seal 10 ft. to 70 ft.
Diameter of well bore to bottom of seal 16 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: 1/4 to 3/4
Gravel placed from 70 ft. to 440 ft.

(11) LOCATION OF WELL:

County Deschutes Driller's well number
SE 1/4 NE 1/4 Section 18 T. 155 R. 13E W.M.
Bearing and distance from section or subdivision corner 493 Ft. N.
and 732 Ft. West from the SE corner of
SE 1/4, NE 1/4 of Section 18

(12) WELL LOG:

Diameter of well below casing 10"

Depth drilled 440 ft. Depth of completed well 440 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
Sandy top soil	0	2	
Grey Basalt - Med. Hard	2	20	
Basalt Boulders - Red Clay	20	25	
Basalt Boulders - Brown Clay	25	50	
Brown Boulders - Cong.	50	77	
Brown Pours Boulders	77	80	
Red & Brown Cinders	80	86	
Soft Boulders Cong.	86	115	
Sand Stone - Ash	115	150	
Sand Stone - Soft	150	155	
Brown Boulder - Cong.	155	210	
Black Sand - Cinders	210	245	
Gray Basalt - Med. Hard	245	260	
Red Cinders	260	265	
Red Sand	265	275	
Brown Sand Stone	275	285	
Water Bearing sand.	285	440	
Black Sand - Very fine to Pea Gravel			

Work started 7 - 29 19 68 Completed 9 - 24 19 68

Date well drilling machine moved off of well 9 - 24 19 68

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] Thomas E. Jackson Date 10-8, 1968
(Drilling Machine Operator)

Drilling Machine Operator's License No. 35C

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

Address Redmond, Oregon

[Signed] Thomas E. Jackson
(Water Well Contractor)

Contractor's License No. 442 Date 10-8, 1968

See original record