

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.

DESC 5/13/73 26/13

RECEIVED WATER WELL REPORT STATE OF OREGON WATER RESOURCES DEPT. SALEM, OREGON

State Well No. 195/12E-16bc State Permit No. 103 8611336

(1) OWNER:

Name J.L. Ward Construction Co. Address 61045 Brosterhaus Rd. Bend 97702

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

(5) CASING INSTALLED:

12" Diam. from +2 ft. to -410 ft. Gage .250

(6) PERFORATIONS:

Type of perforator used Torch Size of perforations 1/4 in. by 6 in. 500 perforations from 330 ft. to 410 ft.

(7) SCREENS:

Well screen installed? [] Yes [X] No Manufacturer's Name Type Model No. 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? [X] Yes [] No Yield: 1500 gal./min. with ft. drawdown after hrs. See Attached Letter

(9) CONSTRUCTION:

Well seal-Material used Portland Cement Grout Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 18 in. Diameter of well bore below seal 16-18 in. Number of sacks of cement used in well seal sacks Number of sacks of bentonite used in well seal None sacks Brand name of bentonite NA Number of pounds of bentonite per 100 gallons of water lbs./100 gals. Was a drive shoe used? [] Yes [X] 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? [X] Yes [] No Size of gravel: 1/4-1/2 Gravel placed from 50 ft. to 410 ft.

(10) LOCATION OF WELL:

County Deschutes Driller's well number SW 1/4 NW 1/4 Section 16 T. 18S R. 12E W.M. Bearing and distance from section or subdivision corner 2,000' South of NW Corner of Sec. 16

(11) WATER LEVEL: Completed well.

Depth at which water was first found 335 ft. Static level 335 ft. below land surface. Date Artesian pressure lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 16" Depth drilled 417 ft. Depth of completed well 410 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.

Table with columns: MATERIAL, From, To, SWL. Rows include Sandy Soil, Gray Lave, Lava Chunks, Red Cinders, etc.

(Continued Below)

Work started 4/18 1974 Completed 6/26 1974 Date well drilling machine moved off of well 6/28 1974

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'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 Jan L. Ward (Person, firm or corporation) (Type or print)

Address 61045 Brosterhaus Road, Bend, Oregon

[Signed] (Water Well Contractor)

Contractor's License No. Date, 19

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

WATER W DESC 5613

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

STATE OF

(Please type)

(Do not write ab

OWNER:

Name J.L. Ward Construction Co. Address 61045 Brosterhaus Rd.

(2) TYPE OF WORK (check):

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

If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

(4) PROPOSED USE (check):

Rotary [] Driven [] Cable [] Jetted [] Dug [] Bored [] Domestic [] Industrial [] Municipal [] Irrigation [] Test Well [] Other []

(5) CASING INSTALLED:

Threaded [] Welded [x]

12" Diam. from +2 ft. to -410 ft. Gage 250

(6) PERFORATIONS:

Perforated? [x] Yes [] No.

Type of perforator used Torch Size of perforations 1/4 in. by 6 in. 500 perforations from 330 ft. to 410 ft.

(7) SCREENS:

Well screen installed? [] Yes [x] No

Manufacturer's Name Model No. 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? [x] Yes [] No If yes, by whom? Ward Yield: gal./min. with ft. drawdown after hrs. See Attached Letter Bailer test gal./min. with ft. drawdown after hrs. Artesian flow None g.p.m. Temperature of water 52 Depth artesian flow encountered ft.

(9) CONSTRUCTION:

Well seal-Material used Portland Cement Grout Well sealed from land surface to 50 ft. Diameter of well bore to bottom of seal 18 in. Diameter of well bore below seal 16-18 in. Number of sacks of cement used in well seal sacks Number of sacks of bentonite used in well seal NONE sacks Brand name of bentonite NA Number of pounds of bentonite per 100 gallons of water lbs./100 gals. Was a drive shoe used? [] Yes [x] No Plugs Size: location ft. any strata contain unusable water? [] Yes [] No type of water? depth of strata Method of sealing strata off Was well gravel packed? [x] Yes [] No Size of gravel: 1/4-1/2 Gravel placed from 50 ft. to 410 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.

Table with columns: MATERIAL, From, To, SWL. Rows include Red Cinders, Cemented Gravel, Gray Lava, etc.

RECEIVED

DEC 14 2000

WATER RESOURCES DEPT. SALEM, OREGON

Work started 4/18 1974 Completed 6/25 1974 Date well drilling machine moved off of well 6/25 1974

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 Jan I. Ward (Person, firm or corporation) (Type or print)

Address 61045 Brosterhaus Road, Bend, Oregon

[Signed] (Water Well Contractor)

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



"communities planned with pride"

RECEIVED
JUL 17 1978
WATER RESOURCES DEPT.
SALEM, OREGON

July 13, 1978

Water Resources Department of
Oregon State
555 13th N.E.
Salem, Oregon 97310

Gentlemen:

Enclosed please find a completed well log for a well that was drilled in May and June of 1974.

The drilling was done with tools and machines belonging to Ward Construction Company and operated by Lawrence Kowaleski of Madras, Oregon .

The drilling was completed in late June 1974; the casing was installed and the seal was installed and the well completed on September 24, 1974.

An 8" Lineshaft Turbine Pump was installed in the summer of 1977 and the well as tested for a period of 30 days at a flow of 1500 Gallons Per Minute. There was no apparent draw down in the two adjacent wells before, during or after the test period.

The tardiness of this well log was due to my misunderstanding of who was to make the filing.

If there is any additional information required, please advise.

Ward Construction Company

Jan L. Ward
President

JW/mc

Enclosures

has to be done 8611336