

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

RECEIVED STATE ENGINEER SALEM, OREGON OCT 21 1971

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

STATE OF OREGON (Please type or print)

YAMH 4561

State Well No. 3/3W-27

State Permit No.

(1) OWNER:

Name City of Dundee Address Dundee, Ore 97115

(2) TYPE OF WORK (check):

New Well [X] Deepening [] Reconditioning [] Abandon [] If abandonment, describe material and procedure in Item 12.

(3) TYPE OF WELL:

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

(4) PROPOSED USE (check):

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

CASING INSTALLED:

8" Diam. from 62'-10" ft. to 62'-10" ft. Gage 250

PERFORATIONS:

Perforated? [] Yes [X] No. Size of perforations in. by in. perforations from ft. to 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 If yes, by whom? Drillers Yield: 180 gal./min. with 83 ft. drawdown after 4 hrs. 39-71 60 " 8'6" PL after 30 min. Bailer test gal./min. with ft. drawdown after hrs. Artesian flow g.p.m.

CONSTRUCTION:

Shows no leak 10-1-71 Well seal—Material used Cement Well sealed from land surface to 29' ft. Diameter of well bore to bottom of seal 12 3/4" in. Diameter of well bore below seal 8" in. Number of sacks of cement used in well seal 18 sacks Number of sacks of bentonite used in well seal Brand name of bentonite 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 [X] No Type of water? depth of strata Method of sealing strata off Was well gravel packed? [] Yes [X] No Size of gravel: Gravel placed from ft. to ft.

(10) LOCATION OF WELL:

County Yamhill Driller's well number 7113 1/4 Section 27 T. 35 R. 3W W.M.

Bearing and distance from section or subdivision corner

See Preliminary report

(11) WATER LEVEL: Completed well,

Depth at which water was first found 20" ft. Static level - ft. below land surface. Date Artesian pressure 11# lbs. per square inch. Date

(12) WELL LOG:

Diameter of well below casing 8" Depth drilled 103'9" ft. Depth of completed well 103'9" 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: top shoulders, basalt w/ faults, soft basalt, grey basalt, light grey, grey basalt, grey basalt w/ yellow sandstone, grey basalt, Static, well, wastest pumped, 45 to 100 w/ 60 gpm pump - 114' to 154' PL.

Work started 5-28 1971 Completed 7-18 1971 Date well drilling machine moved off of well 7-14 1971

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] Edgard Muller Date 9-5, 1971 (Drilling Machine Operator)

Drilling Machine Operator's License No. 581

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 Milo Schneider EAP Co. (Person, firm or corporation) (Type or print)

Address Star Rt. Box 97 St. Paul, Ore. [Signed] Milo Schneider (Water Well Contractor)

Contractor's License No. 387 Date 10-1-71

Effect



**STATE
ENGINEER**

WATER RESOURCES DEPARTMENT

1178 CHEMEKETA STREET N.E. • SALEM, OREGON • 97310 • Phone 378-3739

TOM McCALL
GOVERNOR

July 1, 1971

File No.

CHRIS L. WHEELER
State Engineer

Milo Schneider Equipment Co.
Star Route, Box 97
St. Paul, Oregon 97137

Dear Sir:

Reference is made to your letter of June 30, 1971 requesting special standards for the City of Dundee well located in Section 27, Township 3 South, Range 3 West, W.M., Yamhill County.

Your letter and attached preliminary well log indicates that the well was constructed with 12 inch casing extending to a depth of 21 feet 5 inches and 8 inch casing extending from two feet three inches above land surface to 24 feet 8 inches below land surface. The log indicates that top soil and boulders were penetrated to a depth of 7 feet and that basalt was encountered from 7 feet to a total depth of 103 feet 9 inches. The static water level was listed at 20 inches below land surface from 0 to 7 feet of penetration and remained at that static level until at which time the well began to flow a small amount.

Your letter of June 30, 1971 indicates that you will pull the 12 inch casing and grout between the 12 inch casing and 8 inch casing with cement grout. Your letter also indicates that if possible you will drive the 8 inch casing to a greater depth.

You are hereby granted permission to construct said well with a cement grout seal extending to at least 21 feet 5 inches. Well construction standards applying to additional standards for the construction of artesian wells are hereby waived. If surface or subsurface leakage should develop during the future, you may be required to return to the well site and case and seal the subject well to a depth of 93 feet and correct all well deficiencies. In the event the City of Dundee should wish to deepen the well

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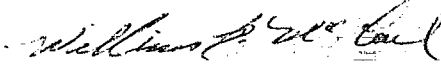
Milo Schneider

-2-

July 1, 1971

at some future date, it will be necessary to correct the wells deficiencies in order to comply with the artesian standards.

Very truly yours,


William B. McCall
Hydrogeologist

WBM:cjs

cc: Clayton J. Gardner
Watermaster District 1
Washington County Courthouse
Hillsboro, Oregon 97123

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