

STATE ENGINEER
Salem, Oregon

CLAC
05572

Well Record

STATE WELL NO. 2/4 - 6J
COUNTY CLACKAMAS
APPLICATION NO. GR-1075

OWNER: Arnold J. Moore

MAILING ADDRESS: Rt. 3, Box 39

LOCATION OF WELL: Owner's No.

CITY AND STATE: Boring, Oregon

NE 1/4 SE 1/4 Sec. 6 T. 2 S., R. 4 W., W.M.

Bearing and distance from section or subdivision corner N. 19°30' W. 1995'

Section

Altitude at well

TYPE OF WELL: Drilled Date Constructed 1953

Depth drilled 200 Depth cased 200

CASING RECORD:

8-Inch

FINISH:

Perforations from 130 to 165

AQUIFERS:

Clay

WATER LEVEL:

35-Feet

PUMPING EQUIPMENT: Type Turbine Fairbanks Pamona H.P. 20
Capacity 200 G.P.M.

WELL TESTS:

Drawdown 165 ft. after hours Pumping 150 G.P.M.

Drawdown ft. after hours G.P.M.

USE OF WATER Irrigation Temp. °F. 19

SOURCE OF INFORMATION GR-2129

DRILLER or DIGGER

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Boulders and clay and cement gravel first 100' from 105' to 110' water bearing gravel. This was not drawn upon because of the probability of Surface water. Next stratum of water was 135' to 140' and at 160' and 165', both of which were perforated. Next large stratum was coarse sand at 170' to 175', which contained a large volume of water that could not be used because of the fear of pumping sand. Silt was hit from 180' to 182' and blue clay was hit at 200' so casing was put to a depth of 200' and drilling was ceased.

JACK

RECEIVED
APR 13 1959
STATE ENGINEER
SALEM, OREGON

GROUND WATER BRANCH
Box 3418 - 1001 NE. Lloyd Boulevard
Portland 8, Oregon

April 10, 1959

Mr. Arnold Moore, Jr.
Route 3 - Box 39
Boring, Oregon

Dear Mr. Moore:

In response to Mr. Anderson's inquiry about ground-water information for irrigation at your place in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 6, T. 2 S., R. 4 E., southeast of Boring:

The site lies at about 550 feet altitude on a gentle north-westward slope. Judging from records of wells located within one mile to the southeast and northwest, a well should penetrate 10 to 20 feet of clay underlain by about 100 feet of cemented gravels and clay layers and find water-bearing gravel layers in the general depth zone of 110 to 150 feet. The zone of possible water-bearing gravel beds in the Troutdale formation may extend down to a depth of 200 feet or so, but they have not been drilled beyond 130 or 140 feet so far as our records for this locality show. Static water level stands at about 30 feet below the surface in wells obtaining water from the Troutdale formation in this locality. From the information we have it seems a properly constructed 10- or 12-inch well to depth of 175 or 200 feet should develop a pumping capacity of at least 100 gallons of water per minute from the gravel layers of the Troutdale formation.

About 1 mile southeast of this site there is an irrigation well reported to belong to a Mr. Schaffer(?). We have not "run down" the information on that well. It was reported to have been drilled by Mr. Haakon Bottner. Possibly the owner or Mr. Bottner could give you the information on that well and thereby help you estimate the probability of a successful well at your site.

Sincerely yours,

RGN:rls
cc: Mr. Stanley
Mr. Anderson

R. G. Newcomb
District Geologist