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STATE ENGINEER
SALEM, OREGON

CLAC 6303

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OBSERVATION WELL
WATER WELL REPORT
STATE OF OREGON G1497

File Original and First Copy with the STATE ENGINEER, SALEM, OREGON

State Well No. 2/4-27D(1)

State Permit No. G-1393

(1) OWNER:
Name Sandy Farms
Address Sandy Ore Boring, Ore

(2) LOCATION OF WELL:
County Clackamas Owner's number, if any—
NW ¼ NW ¼ Section 27 T. 2S R. 4E W.M.
Bearing and distance from section or subdivision corner
S 81° E, 1312 Feet From N.W. Corner of Section 27 T. 2S, R. 4E.

(3) TYPE OF WORK (check):
New Well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (check):
Domestic ☐ Industrial ☐ Municipal ☐
Irrigation ☒ Test Well ☐ Other ☐

(5) TYPE OF WELL:
Rotary ☐ Driven ☐
Cable ☒ Jetted ☐
Dug ☐ Bored ☐

(6) CASING INSTALLED:
Threaded ☐ Welded ☒
12 " Diam. from 0 ft. to 170 ft. Gage std
" Diam. from ft. to ft. Gage
" Diam. from ft. to ft. Gage

(7) PERFORATIONS:
Perforated? ☒ Yes ☐ No
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from 220 ft. to 280 ft.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

(8) SCREENS:
Well screen installed ☐ Yes ☒ No
Manufacturer's Name
Type Model No.
Slot size Set from ft. to ft.
Slot size Set from ft. to ft.

(9) CONSTRUCTION:
Was well gravel packed? ☒ Yes ☐ No Size of gravel: ¼ to 10
Gravel placed from 0 ft. to 280 ft.
Was a surface seal provided? ☐ Yes ☒ No To what depth? ft.
Material used in seal—
Did any strata contain unusable water? ☐ Yes ☒ No
Type of water? Depth of strata
Method of sealing strata off

(10) WATER LEVELS:
Static level 208 ft. below land surface Date 5-25
Artesian pressure lbs. per square inch Date

Log Accepted by:
[Signed] Sandy Farms (Owner) Date May 29, 1959
John Caswell

(11) WELL TESTS:
Drawdown is amount water level is lowered below static level
Was a pump test made? ☒ Yes ☐ No If yes, by whom?
Yield: 250 gal./min. with 70 ft. drawdown after 48 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

(12) WELL LOG:
Diameter of well 12 inches.
Depth drilled 300 ft. Depth of completed well 300 ft.
Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
black soil	0	3
red clay	3	50
yellow sandy shale	50	135
soap stone	135	145
sandy shale	145	200
Troutdale	200	245
Rhododamdron White Talc	245 260	260 270
Grenn shale & Clay	270	300

Owner requested perforated 10" Pipe be run to bottom of Well and 12" pipe be pulled back while pea gravel is fed threw 12 and 10

Work started 19 . Completed May 25 1959

(13) PUMP:
Manufacturer's Name
Type: Turbine H.P. 30

Well Driller's Statement:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Barron & Strayer (Person, firm, or corporation) (Type or print)
Address Rt I box 254 Beaverton Ore
Driller's well number
[Signed] Vance Strayer (Well Driller)
License No. 36 Date May 25, 1959

(USE ADDITIONAL SHEETS IF NECESSARY)

CLAC 6303

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

April 10, 1959

Mr. John Rowell
Route 3 - Box 173
Boring, Oregon

Dear Mr. Rowell:

In response to the recent inquiry by Mr. David Anderson of the Soil Conservation Service as to what information exists on ground water, presumably for irrigation, in the NW¼NW¼ sec. 27, T. 2 S., R. 4 E.:

Apparently this tract lies at about 850 feet altitude on the edge of a 200-foot bluff of Deep Creek Canyon. The geologic map on file here shows a well would pass through about 200 feet of older alluvium which is mostly clay. Below the older alluvium should lie a thickness of about 100 feet of interbedded gravel and clay strata of the Troutdale formation. Below about 350 feet depth a well might find several hundred feet of the Clackamas mudstone formation, which is mostly clay and soft shaly claystone. The Clackamas mudstone is probably at least 500 feet thick and lies on the Columbia River basalt.

Very small amounts of ground water may be perched in the upper 200 feet (of clayey material). Some ground water may be present in the gravelly layers of the Troutdale formation in the general zone of 200-250 feet depth. The Clackamas mudstone below about 250 feet probably does not contain significant amounts of ground water.

The Columbia River basalt yields water to wells but its top may be at least 700 feet below the surface.

The static level of water in a well tapping water in the Troutdale formation at this location would probably be at least 200 feet below the surface because of the draining of the water to the level of the nearby stream canyon. Small amounts of perched water in the clayey top 200 feet might have a higher static level.

The Troutdale gravels may yield sufficient water for a strong domestic well, but, as judged from the records of other wells in similar places, it is doubtful if they will yield water in irrigation quantities at this site.

Sincerely yours,

R. C. Newcomb
District Geologist

RCN:rls
cc: Mr. Stanley
Mr. Anderson