ORIGINAL
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WATER WELL DRILLERS REPORT

STATE OF OREGON

WASC 2871

OBSERVATION WELL

U-233
G-1859

Do Not Fill In — State Well No. 2N/12-7E 1
State Permit No. U-213
G-1701

(1) OWNER:

Name Darrel Evans

Address Mosier, Oregon

002871

(2) LOCATION OF WELL:

County Wasco — Owner's number, if any—

R. F. D. or Street No.

Bearing and distance from section or subdivision corner
Same as Permit # U-213, File # U233

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 ☐
Deeping existing well

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

CASING INSTALLED:

Threaded ☐ Welded ☐

FROM	ft. to	ft.	Diam.	Gage or Wall
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"
"	"	"	"	"

Type and size of shoe or well ring

Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.
	"	"
	"	"
	"	"
	"	"
	"	"

Size of gravel:

(7) PERFORATIONS:

Type of perforator used

SIZE of perforations in., length, by in.

FROM	ft. to	ft.	perf per foot	No. of rows
"	"	"	" " "	" " "
"	"	"	" " "	" " "
"	"	"	" " "	" " "
"	"	"	" " "	" " "

SCREENS:

Give Manufacturer's Name, Model No. and Size

CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☐ No
If yes, note depth of strata

FROM	ft. to	ft.
"	"	"

METHOD OF SEALING

(9) WATER LEVELS:

Depth at which water was first found ft.

Standing level before perforating ft.

Standing level after perforating ft.

Log Accepted by:

[Signed] Darrell Evans Owner Dated 10-12, 19 60

(10) WELL TESTS:

Was a pump test made? ☐ Yes ☐ No If yes, by whom?

Yield:	gal./min. with	ft. draw down after	hrs.
"	"	"	"
"	"350	"	"

Artesian flow Around 250 g.p.m.

Shut-in pressure 8 lbs. per square inch.

Bailer test g.p.m. with ft. drawdown

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

Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Diameter of well, 6 inches.

Total depth 620 ft. Depth of completed well 620 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.*

500	ft. to	545	ft. Dark grey basalt, Hard.
545	"	595	" Grey basalt. Medium hard.
595	"	601	" Grey. Hard. Dense.
601	"	620	" Black, soft, honeycomb, fractured.
	"		" Artesian flow gradually increased
	"		" from original flow to around 250
	"		" GPM.

RECEIVED
OCT 12 1960
STATE ENGINEER
SALEM, OREGON

Ground elevation at well site feet above mean sea level.

Work started Mar 10 19 59 Completed Mar 25 19 59

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 Dorin Wilburn
(Person, firm, or corporation) (Typed or printed)

Address 812 E 7th Street, The Dalles, Oregon

Driller's well number

[Signed] Dorin Wilburn
(Well Driller)

License No. 80 Dated , 19

2N/12 - 7A
WASCO. Co.

GROUND WATER BRANCH
Box 3418 - 623 Post Office Building
Portland 8, Oregon

November 3, 1952

Mr. Warren Bennett
Farmers Home Administration
Eastern Building
Portland, Oregon

Dear Mr. Bennett:

Reference is made to your telephone request for ground water data on the NE¼ Sec. 7, T. 2 N., R. 12 E, in connection with the problem of a 200 gallon per minute irrigation water supply for the Howard Root farm.

The proposed location of that well near the center of the south line of that quarter section should place the well in a rock section somewhat similar to the Darel Evans well on the next ridge to the west - but your well would be at about 150 feet higher altitude. The log of the Evans well was as follows:

Not logged (probably sandstone and clay of the "Madras beds")	0 - 158
Basalt	158 - 235
Interbed (soft, sandstone clay, etc.) . .	235 - 405
Basalt, water-bearing 415-500	405 - 500
Casing, 8-inch, set to 160 feet	
Water flowed at the surface when drilled (1947)	

The Mosier syncline (or downwarp) is a good general situation for ground water development. A fault that may pass E-W through the northern part of Sec. 7 may form a barrier that provides the high level to the ground water in the Columbia River basalt at this locality. Its controlling outflow and the standing level of the ground water in the basalt may be generally in the order of 350 feet altitude.

This agency will appreciate opportunity to file data on any drilling operations you may undertake, particularly in that locality.

Sincerely yours,

R. C. Newcomb
District Geologist

RCN:em
cc: Mr. Stricklin