

STATE ENGINEER
Salem, Oregon

Well Record

STATE WELL NO. 3/38-5M(2)
COUNTY Union
APPLICATION NO.

OWNER: Oregon-Washington Railroad & Navigation Co., Union Pacific R.R. Co. MAILING ADDRESS: 828 Pittock Block
CITY AND STATE: Portland 5, Oregon
LOCATION OF WELL: Owner's No.

NW 1/4 SW 1/4 Sec. 5 T. 3 S., R. 38 E., W.M.

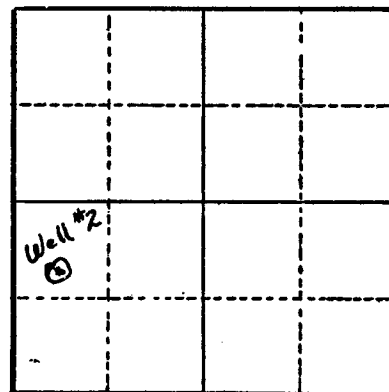
Bearing and distance from section or subdivision

corner S. 18° 51' E. 3649' from NW cor. of section 5.

Altitude at well 2788 ft.

TYPE OF WELL: Drilled Date Constructed 1941

Depth drilled 1536 ft. Depth cased 1536 ft.



Section 5

CASING RECORD:

18 inch from 0 to 1016 ft.

16 inch from 1016 to 1336 ft.

12 3/4 inch from 1336 to 1536 ft.

FINISH:

The 12 3/4" welded steel casing is perforated with two 1/2 x 12 inch slots per foot at 159 ft. below burlap packer.

(Burlap packer 4'4" long placed at 1364'8" to 1369' around 12 3/4 casing)

AQUIFERS:

Basalts between 960ft. to bottom of well.

WATER LEVEL:

~~1336 ft.~~

PUMPING EQUIPMENT: Type Byron-Jackson submersible H.P. 15
Capacity 900 G.P.M.

WELL TESTS:

Drawdown Flowing ft. after hours G.P.M.

Drawdown ft. after hours G.P.M.

USE OF WATER Railroad Temp. °F., 19

SOURCE OF INFORMATION Belated registration statement

DRILLER or DIGGER Roscoe Moss Co.- A.A. Durrand & Son-

ADDITIONAL DATA:

Log X Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

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Owner: Oregon-Washington Navigation & Railroad Co. Owner's No. #2
Union Pacific R. R. Co. Lessee
 Driller: Roscoe Moss Co. & A.A. Durrand & Son Date Drilled 1941

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Soil	0	5	5
Gravel & boulders	5	21	16
Gravel & boulders in clay	21	179	158
Yellow clay	179	569	390
Blue clay	569	959	390
Basalt boulders in clay	959	981	22
Blue clay	981	1009	28
Basalt & clay	1009	1015	6
Black basalt	1015	1189	174
Basalt & red clay	1189	1217	28
Red clay	1217	1329	112
Red basalt	1329	1354	25
Black basalt (very hard)	1354	1408	54
Brown basalt	1408	1449	41
Black basalt	1449	1489	40
Black basalt (hard)	1489	1496	7
Black basalt	1496	1506	10
Brown basalt	1506	1521	15
Brown basalt (hard)	1521	1536	15

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State Well No. 3/38-512

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Chemical Analysis

OWNER Ore.-Wash. R. & N. Co., Union Pac. R. R. OWNER'S NO. _____

ANALYST OSBH Address Portland, Oregon

Date of Collection 1/21/55

Point of Collection _____

	P.P.M.	P.P.M.
Silica (SiO ₂)	84	
Iron (Fe) Total	Tr	
Manganese (Mn)	0	
Calcium (Ca)	5	
Magnesium (Mg)	.3	
Sodium (Na)	27	
Potassium (K)	5	
Bicarbonate (HCO ₃)	(?)	
Carbonate (CO ₃)	0	
Sulfate (SO ₄)	3.3	
Chloride (Cl)	3.2	
Fluoride (F)	.5	
Nitrate (NO ₃)		
Boron (B)		
Dissolved Solids	163	
Hardness as CaCO ₃	18	
Specific Conductance (Micromhos at 25°C)		
pH	7.9	
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)	3.1	
CLASS		