

**UMAT 1574
OBSERVATION WELL
Well Record**

STATE ENGINEER
Salem, Oregon

STATE WELL NO. 4N/27-27J(1)
COUNTY Umatilla
APPLICATION NO. G-889

83, 28

UMAT
1574

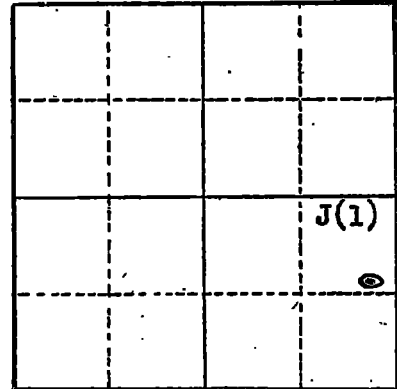
Well # 2
Well NOT

OWNER: Hansell Bros. MAILING ADDRESS: _____

LOCATION OF WELL: Owner's No. _____ CITY AND STATE: Ordinance, Oregon

1/4 1/4 Sec. 27 T. 4 S., R. 27 W., W.M.

Bearing and distance from section or subdivision corner _____



Altitude at well _____

TYPE OF WELL: Drilled Date Constructed 1942-43

Depth drilled 547 Depth cased _____

Section 27

CASING RECORD:

- 16" from 0 to 146½' (cast iron)
- 12" from 146½ to 305' (cast iron)
- 12" from 305 to 346' (cast iron)
- 10" from 346 to 526' (cast iron)

FINISH:

No perforations

AQUIFERS:

Basalt from 526 to 543'

WATER LEVEL:

121' below land surface

PUMPING EQUIPMENT: Type Turbine (Demming) H.P. 100
Capacity 1,000 G.P.M.

WELL TESTS:

Drawdown 10 ft. after _____ hours pumping 6400 G.P.M.
Drawdown None (?) ft. after _____ hours pumping 1000 G.P.M.

USE OF WATER Public supply Temp. _____ °F. _____, 19____

SOURCE OF INFORMATION Owner G-889

DRILLER or DIGGER _____

ADDITIONAL DATA:

Log Water Level Measurements _____ Chemical Analysis _____ Aquifer Test _____

REMARKS:

UMAT 1574

STATE ENGINEER
Salem, Oregon

H-12

State Well No. 4N/27-27J(1)
County Umatilla
Application No. _____

Well Log

Owner: Umatilla County Housing Authority Owner's No. _____

Driller: _____ Date Drilled 1942-43

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Sand	0	4	4
Loose gravel	4	131	127
Gravel & clay	131	135	4
Small gravel	135	140	5
Loose gravel	140	146	6
Boulders	146	170	24
Brown clay	170	202	32
Soap stone	202	208	6
Black basalt	208	305	97
Black clay	305	357	52
Black basalt	357	385	28
Clay	385	432	47
Black basalt	432	491	59
Gray basalt	491	514	23
Shale and red rock	514	516	2
Gray rock	516	523	7
Brown rock	523	538	15
Red porous rock	538	543	5
16 inch diameter cast iron from 0 to 146.5 feet			
12 inch diameter cast iron from 146.5 to 305.0 feet			
12 inch diameter cast iron from 305.0 to 346.0 feet			
10 inch diameter cast iron from 346.0 to 526.0 feet			
Capacity of well: 6400 g.p.m. with 10 feet of drawdown			

Oregon State Board of Health

SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Ordinance Housing Description of source Well

Analysis by M. H. P. Date 11/22/54 Collected by _____ Date 6/28/54

RESULTS

	<u>Parts per million</u>	239
Turbidity _____	5	
Color: Apparent _____ True _____	3	
Odor: Hot _____ Cold _____		
Total Solids _____	261	
Loss on Ignition _____	98	
Silicon (SiO ₂) _____	61	
Chloride (Cl) _____	12.6	
Sulfate (SO ₄) _____	4.5	
Calcium (Ca) _____	18	
Magnesium (Mg) _____	16	
Aluminum (Al) _____	0	
Orthophosphates (PO ₄) <u>Trace (less than .05ppm)</u>		
Metaphosphates (PO ₃) ₆ _____		
Alkalinity (as CaCO ₃): Carbonate _____	2	
Bicarbonate _____	132	
Hardness (as CaCO ₃) _____	70	
Sodium and Potassium (as Na) _____	46	
Iron (Fe) _____	0	
Manganese (Mn) _____	.1	
Fluoride (F) _____	.8	
Carbon Dioxide (CO ₂) _____	2.5	
pH <u>8.0</u>		

Remarks _____
