

Wp G520

UMAT
4177

6/34-35C(1)
FEB 1 1957
UMATILLA CO.

WELL LOG

- 1. LOCATION: State Oregon County Umatilla
NE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 35, T 6 N. R 34 E.W.M.
- 2. OWNER: L.M.Marlatt Address Rt 2 Milton-Freewater
- 3. DRILLER: L.M.Marlatt & Son Address Rt2 Milton-Freewater
- 4. TYPE: Drilled in 1956
- 5. CASING: Diameter 10 inches, set to 90 feet
Perforated NO
Casing Shoe "Cemented In" under pressure
- 6. STATIC WATER SURFACE: Flows 100 G.P.M.

7. YIELD:

<u>Flow in G.P.M.</u>	<u>Hours Pumped</u>	<u>Drawdown Measured from Ground Level</u>	<u>Time of Recovery to Static Level</u>
<u>950</u>	<u>2</u>	<u>95 feet</u>	<u>10 minutes</u>
<u>600</u>	<u>1</u>	<u>50 feet</u>	<u>5 minutes</u>
<u>450</u>	<u>2</u>	<u>32 feet</u>	<u>3 minutes</u>

8. DRILL RECORD:

<u>Material</u>	<u>Thickness (feet)</u>	<u>Depth (feet)</u>	
Clay	20	20	
Water bearing Conglomerate	40	60	
Hard Basalt	67	127	
Extremely Crevaced	59	186	Began flowing
Hard Basalt	70	256	
Cinders	22	278	
Crevaced Basalt	64	342	Flow increase
Hard Basalt	98	440	
Soft (Soapstone)	13	453	Water Indication
Hard Basalt	23	476	Non Water Bearing

20 HP Turbine