

OBSERVATION WELL

STATE ENGINEER
Salem, Oregon

CROO
1577

Well Record

STATE WELL NO. 14/16-32M(1)
COUNTY: Crook
APPLICATION NO. U-147
PERMIT U-140

OWNER: Pacific Power & Light Co. MAILING ADDRESS:

LOCATION OF WELL: Owner's No. 3-Ochoco Heights CITY AND STATE: Prineville

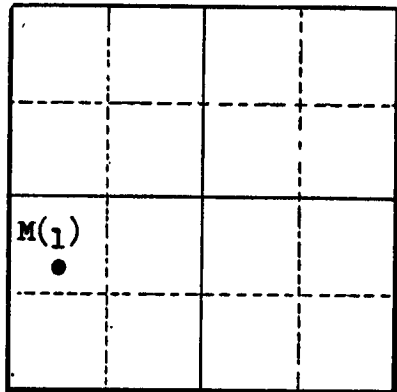
NW 1/4 SW 1/4 Sec. 32 T. 14 N. S. R. 16 E. W., W.M.

Bearing and distance from section or subdivision corner

Altitude at well 2933'

TYPE OF WELL: Drilled Date Constructed July 42-Feb. 43

Depth drilled 1002 Depth cased 300' ±



Section 32

CASING RECORD:

12-inch set to 300 ± feet

FINISH:

AQUIFERS:

Gravel at 238 feet

WATER LEVEL:

52 feet below land surface in March 1943

PUMPING EQUIPMENT: Type Turbine H.P.
Capacity 400 G.P.M.

WELL TESTS:

Drawdown 27 ft. after 2 hours pumping 130 G.P.M.
Drawdown ft. after hours G.P.M.

USE OF WATER Municipal Temp. 59 °F., 19

SOURCE OF INFORMATION U-147, U.S.G.S. Report

DRILLER or DIGGER George E. Scott

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Draws down 27 feet after 2 hours pumping 130 gpm.

Crook

14/16-32MB

Oregon State Board of Health
SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Prineville Description of source Ochoco Heights Pump #1, Well #1
Analysis by MEP Date _____ Collected by Agos Date 11/10/57

RESULTS

	<u>Parts per million</u>
Turbidity _____	
Color: Apparent _____ Secchi _____	2
Odor: Hot _____ Cold _____	
Total Solids _____	390
Loss on Ignition _____	64
Silicon (SiO ₂) _____	27
Chloride (Cl) _____	35.5
Sulfate (SO ₄) _____	37.7
Calcium (Ca) _____	26.9
Magnesium (Mg) _____	6.5
Aluminum (Al) _____	0
Orthophosphates (PO ₄) _____	
Metaphosphates (PO ₃) ₆ _____	
Alkalinity (as CaCO ₃): Carbonate _____	0
Bicarbonate _____	16.1
Hardness (as CaCO ₃) _____	137
Sodium and Potassium (as Na) _____	63
Iron (Fe) _____	.1
Manganese (Mn) _____	0.2
Fluoride (F) _____	0.2
Carbon Dioxide (CO ₂) _____	6
pH <u>7.7</u>	
Remarks _____	

Chemical Analysis

OWNER Pacific Power & Light Co. OWNER'S NO. _____
ANALYST Charlton Laboratories Address Portland, Ore.
Date of Collection May 5, 1943
Point of Collection _____

	P.P.M.	P.P.M.
Silica (SiO ₂)		
Iron (Fe) Total		
Manganese (Mn)		
Calcium (Ca)		
Magnesium (Mg)		
Sodium (Na)		
Potassium (K)		
Bicarbonate (HCO ₃)		
Carbonate (CO ₃)		
Sulfate (SO ₄)	15	
Chloride (Cl)	7.4	
Fluoride (F)		
Nitrate (NO ₃)		
Boron (B)		
Dissolved Solids	287	
Hardness as CaCO ₃	69	
Specific Conductance (Micromhos at 25°C)		
pH		
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)		
CLASS		

Chemical Analysis

OWNER Pacific Power & Light Co. OWNER'S NO. _____

ANALYST U.S.G.S. Address _____

Date of Collection Nov. 13 1946

Point of Collection _____

	T.P.M.	L.P.M.
Silica (SiO ₂)		
Iron (Fe) Total	.02	
Manganese (Mn)		
Calcium (Ca)	27	
Magnesium (Mg)	13	
Sodium (Na) } Potassium (K) }	54	
Bicarbonate (HCO ₃)	215	
Carbonate (CO ₃)		
Sulfate (SO ₄)	35	
Chloride (Cl)	17	
Fluoride (F)	.3	
Nitrate (NO ₃)	1.5	
Boron (B)		
Dissolved Solids	254	
Hardness as CaCO ₃	121	
Specific Conductance (Micromhos at 25°C)		
pH		
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)		
CLASS		