

STATE ENGINEER
Salem, Oregon

OBSERVATION WELL

Well Record

STATE WELL NO. 15/16-5E(3)
COUNTY Crook
APPLICATION NO. U-396
Permit U-370

CRUO
2130

OWNER: Pacific Power & Light Co. MAILING ADDRESS:

LOCATION OF WELL: Owner's No. 5 CITY AND STATE: Prineville, Oregon

SW 1/4 NW 1/4 Sec. 5 T. 15 S., R. 16 W., W.M.

Bearing and distance from section or subdivision corner Lot 9, Block 8, Oregon & Western Add. Well approx. 20' N. of well 5E(1)

E(3)			

Section 5

Altitude at well

TYPE OF WELL: Drilled Date Constructed Aug. 50

Depth drilled 75 Depth cased 61

CASING RECORD:

10-inch casing to 61 feet, backfilled with gravel to 51 feet

FINISH:

Perforations from 13 to 22 feet

AQUIFERS:

Gravel from 13 to 28 feet

WATER LEVEL:

4.5 feet below land surface, August 8, 1950

PUMPING EQUIPMENT: Type Centrifugal H.P. 25
Capacity 450 G.P.M.

WELL TESTS:

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

USE OF WATER Municipal Temp. °F., 19

SOURCE OF INFORMATION U-396

DRILLER or DIGGER

ADDITIONAL DATA:

Log x Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Prineville Description of source W. 11 #1

Analysis by MHP Date 12/17/51 Collected by _____ Date 6/20/51

RESULTS

	Parts per million
Turbidity _____	7
Color: Apparent _____ True _____	3
Odor: Hot _____ Cold _____	
Total Solids _____	304
Loss on Ignition _____	110
Silicon (SiO ₂) _____	25
Chloride (Cl) _____	7.8
Sulfate (SO ₄) _____	15
Calcium (Ca) _____	115
Magnesium (Mg) _____	11
Aluminum (Al) _____	0
Orthophosphates (PO ₄) _____	.2
Metaphosphates (PO ₃) ₆ _____	
Alkalinity (as CaCO ₃): Carbonate _____	26
Bicarbonate _____	210
Hardness (as CaCO ₃) _____	175
Sodium and Potassium (as Na) _____	11
Iron (Fe) _____	0
Manganese (Mn) _____	0
Fluoride (F) _____	.2
Carbon Dioxide (CO ₂) _____	2.2
pH <u>8.3</u>	
Remarks _____	