

STATE ENGINEER  
Salem, Oregon

1634  
MARI...

OBSERVATION WELL  
MAR Well Record

STATE WELL NO. 5/1W-7P(1)  
COUNTY Marion  
APPLICATION NO. GR 2388

OWNER: City of Woodburn

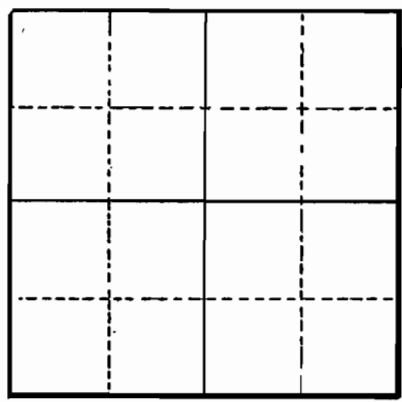
MAILING ADDRESS: Well 4 (See Hemier)

LOCATION OF WELL: Owner's No. \*4

CITY AND STATE:

..... 1/4 ..... 1/4 Sec. .... T. .... N. .... E.  
..... S., R. .... W., W.M.

Bearing and distance from section or subdivision corner .....



Section .....

Altitude at well ..... 181

TYPE OF WELL: Drilled Date Constructed 1952

Depth drilled 191 ..... Depth cased 180

CASING RECORD:

12 inch

FINISH:

Perforated 166 to 175

AQUIFERS:

Gravel and sand from 163 to 173

WATER LEVEL:

42 feet below land surface on May 10, 1958

PUMPING EQUIPMENT: Type Turbine ..... H.P. 40  
Capacity ..... G.P.M.

WELL TESTS:

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

USE OF WATER Public Supply ..... Temp. °F. ...., 19

SOURCE OF INFORMATION USGS

DRILLER or DIGGER

ADDITIONAL DATA:

Log <sup>X</sup> ..... Water Level Measurements ..... Chemical Analysis ..... Aquifer Test

REMARKS:



SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Woodburn Description of source Well #11 Settler

Analysis by M.H.P. Date 3/10/54 Collected by J.L.A. Date 2/9/54

RESULTS

Parts per million

Turbidity \_\_\_\_\_

Color: Apparent \_\_\_\_\_ True \_\_\_\_\_

Odor: Hot \_\_\_\_\_ Cold \_\_\_\_\_

Total Solids \_\_\_\_\_ 250

Loss on Ignition \_\_\_\_\_ 80

Silicon (SiO<sub>2</sub>) \_\_\_\_\_ 10

Chloride (Cl) \_\_\_\_\_ 1.2

Sulfate (SO<sub>4</sub>) \_\_\_\_\_

Calcium (Ca) \_\_\_\_\_ 22.0

Magnesium (Mg) \_\_\_\_\_ 11.3

Aluminum (Al) \_\_\_\_\_ 0

Orthophosphates (PO<sub>4</sub>) \_\_\_\_\_ .5

Metaphosphates (PO<sub>3</sub>)<sub>6</sub> \_\_\_\_\_

Alkalinity (as CaCO<sub>3</sub>): Carbonate \_\_\_\_\_ 0

Bicarbonate \_\_\_\_\_ 97

Hardness (as CaCO<sub>3</sub>) \_\_\_\_\_ 97

Sodium and Potassium (as Na) \_\_\_\_\_ 5.0

Iron (Fe) \_\_\_\_\_ .6

Manganese (Mn) \_\_\_\_\_ .05

Fluoride (F) \_\_\_\_\_ .3

Carbon Dioxide (CO<sub>2</sub>) \_\_\_\_\_ 3.2

pH 7.8

Remarks Fine sand rapidly settles

MARI 1634

5/1W-7P(1)

OREGON STATE BOARD OF HEALTH

Mineral Content of Water

**RECEIVED**  
DEC 9 1965  
STATE ENGINEER  
SALEM OREGON

Name of Water Supply Woodburn (See Header)

Source Well #4

Sampling Point \_\_\_\_\_

Collected By Lloyd Cox Date 11-22-65

Analysis By A.W. Hose Date 12-2-65

Laboratory Number 0969

	<u>Mg/L</u>		<u>Mg/L</u>
Color	<u>17</u>	Conductance (mc mho/cm)	<u>200</u>
Turbidity	<u>&lt;0.5</u>	Chlorides	<u>3.9</u>
Solids, Total	<u>169</u>	Sodium	<u>8.8</u>
Solids, Volatile	<u>93</u>	Potassium	<u>2.0</u>
Carbon Dioxide	<u>2.5</u>	Fluoride	<u>0.45</u>
pH	<u>7.8</u>	Phosphates	<u>2.0</u>
Alkalinity, Total as CaCO <sub>3</sub>	<u>85</u>	Sulfates	<u>0.5</u>
Hardness as CaCO <sub>3</sub>	<u>91.9</u>	Silicon	<u>44.0</u>
Calcium	<u>16.1</u>	Aluminum	<u>&lt;0.02</u>
Magnesium	<u>12.6</u>	Nitrogen, Ammonia	<u>0.86</u>
Iron	<u>0.43</u>	Nitrogen, Nitrite	<u>0.02</u>
Manganese	<u>0.16</u>	Nitrogen, Nitrate	<u>0.07</u>
Arsenic	<u>&lt;0.005</u>		
REMARKS	<u>Sulfide</u>	<u>&lt;0.1 (trace)</u>	