

STATE ENGINEER  
Salem, Oregon

1849  
MARI.....

OBSERVATION WELL  
Well Record

STATE WELL NO. 5/1W-18C(2)  
COUNTY MARION  
APPLICATION NO. GR-2386  
Shop Well 2

OWNER: Warren Donner, City Water  
Superintendent

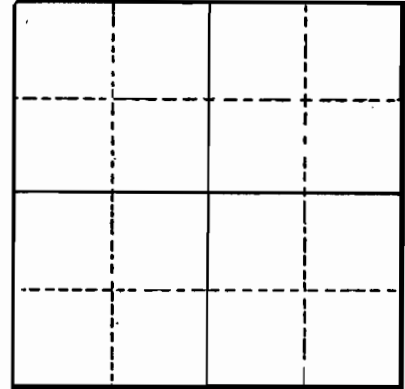
MAILING ADDRESS: City of Woodburn,

LOCATION OF WELL: Owner's No. #2

CITY AND STATE: Woodburn, Oregon

NE 1/4 NW 1/4 Sec. 18 T. 5 S., R. 1 W., W.M.

Bearing and distance from section or subdivision  
corner 2400' E. and 1000' S.



Section .....

Altitude at well .....

TYPE OF WELL: Drilled Date Constructed 1925

Depth drilled 186 Depth cased 167

CASING RECORD:

12-inch

FINISH:

27' 10" of 10' screen stands 9' 5" up in casing

AQUIFERS:

Clay, sand, mud and gravel

WATER LEVEL:

50-feet

PUMPING EQUIPMENT: Type Multiple stage vertical turbine H.P. 50  
Capacity 500 G.P.M.

WELL TESTS:

Drawdown 80 ft. after ..... hours Pumping 425 G.P.M.

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

USE OF WATER Municipal Temp. °F. 19

SOURCE OF INFORMATION GR-2268

DRILLER or DIGGER .....

ADDITIONAL DATA:

Log  Water Level Measurements ..... Chemical Analysis ..... Aquifer Test .....

REMARKS:

Clay 112  
Fine sand 3 115  
Coarse sand 2 117  
Very coarse sand 23 140  
Blue mud 23 163  
Coarse gravel and sand 18 181

SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Woodburn Description of source well #2 (shop well 2)  
 Analysis by M.R.F. Date 3/10/54 Collected by J.L.A. Date 2/9/54

RESULTS

	<u>Parts per million</u>
Turbidity _____	
Color: Apparent _____ True _____	7
Odor: Hot _____ Cold _____	
Total Solids _____	165
Loss on Ignition _____	39
Silicon (SiO <sub>2</sub> ) _____	17
Chloride (Cl) _____	.2
Sulfate (SO <sub>4</sub> ) _____	0
Calcium (Ca) _____	15.6
Magnesium (Mg) _____	13.3
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 _____	95
Hardness (as CaCO <sub>3</sub> ) _____	87
Sodium and Potassium (as Na) _____	5.2
Iron (Fe) _____	1.5
Manganese (Mn) _____	.05
Fluoride (F) _____	.3
Carbon Dioxide (CO <sub>2</sub> ) _____	6
pH <u>7.5</u> _____	
Remarks _____	
_____	

OREGON STATE BOARD OF HEALTH

Mineral Content of Water

**RECEIVED**  
DEC 9 1965

STATE ENGINEER  
SALEM OREGON

Name of Water Supply Woodburn

Source Well #2 Shop well 2

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

Collected By Lloyd Cox Date 11-22-65

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

Laboratory Number 0968

	<u>Mg/L</u>		<u>Mg/L</u>
Color	<u>17</u>	Conductance (mc mho/cm)	<u>188</u>
Turbidity	<u>&lt;0.5</u>	Chlorides	<u>3.3</u>
Solids, Total	<u>169</u>	Sodium	<u>8.0</u>
Solids, Volatile	<u>116</u>	Potassium	<u>1.8</u>
Carbon Dioxide	<u>2.8</u>	Fluoride	<u>0.45</u>
pH	<u>7.7</u>	Phosphates	<u>2.5</u>
Alkalinity, Total as CaCO <sub>3</sub>	<u>79</u>	Sulfates	<u>1.0</u>
Hardness as CaCO <sub>3</sub>	<u>86.1</u>	Silicon	<u>45.0</u>
Calcium	<u>14.5</u>	Aluminum	<u>&lt;0.02</u>
Magnesium	<u>12.2</u>	Nitrogen, Ammonia	<u>0.82</u>
Iron	<u>0.81</u>	Nitrogen, Nitrite	<u>0.01</u>
Manganese	<u>0.07</u>	Nitrogen, Nitrate	<u>0.09</u>
Arsenic	<u>&lt;0.005</u>		

REMARKS Sulfide <0.1