

OBSERVATION WELL

STATE ENGINEER
Salem, Oregon

U-10
933 U-10
933

Well Record

STATE WELL NO. 3/38-6H(2)

COUNTY UNION

APPLICATION NO.

G-4823

OWNER: CITY OF LA GRANDE

MAILING ADDRESS:

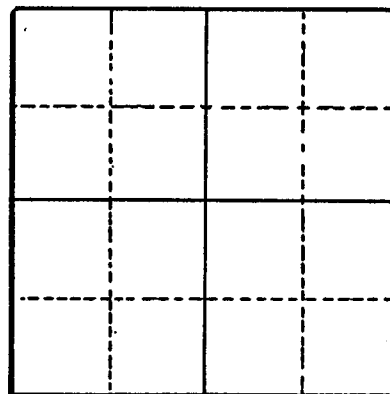
LOCATION OF WELL: Owner's No.

CITY AND STATE:

SE 1/4 NE 1/4 Sec. 6 T. 3 S., R. 38 E., W.M.

Bearing and distance from section or subdivision

corner



Section 6

Altitude at well 2790

TYPE OF WELL: Dr Date Constructed

Depth drilled 1391 Depth cased

CASING RECORD:

14 INCH

FINISH:

AQUIFERS:

BASALT

WATER LEVEL:

+118' (1947)

PUMPING EQUIPMENT: Type H.P.

Capacity 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.S.G.S.

DRILLER or DIGGER

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

FLOWED 750 GPM IN 1957

STATE ENGINEER
Salem, Oregon

State Well No. 3/38-6H2

County Union

Application No.

Chemical Analysis

OWNER City of La Grande OWNER'S NO.

ANALYST USGS Address Portland, Oregon

Date of Collection 5/10/57

Point of Collection

	P.P.M.	P.P.M.
Silica (SiO ₂)	71	
Iron (Fe) Total	.03	
Manganese (Mn)	.01	
Calcium (Ca)	10	
Magnesium (Mg)	.2	
Sodium (Na)	19	
Potassium (K)	5.0	
Bicarbonate (HCO ₃)	84	
Carbonate (CO ₃)	0	
Sulfate (SO ₄)	4.5	
Chloride (Cl)	1.0	
Fluoride (F)	.5	
Nitrate (NO ₃)	.0	
Boron (B)		
Dissolved Solids		
Hardness as CaCO ₃	26	
Specific Conductance (Micromhos at 25°C)	146	
pH		
Percent Sodium		
Sodium Absorption Ratio (S.A.R.)	1.6	
CLASS		

OREGON STATE BOARD OF HEALTH

Mineral Content of Water

Name of Water Supply LaGrande
 Source City Well #2
 Sampling Point _____
 Collected By F. M. Bolten Date 2-3-66
 Analysis By A. W. Hoss Date 3-22-66
 Laboratory Number 1026

	<u>Mg/L</u>		<u>Mg/L</u>
Color _____	<u>2</u>	Conductance (mc mho/cm) _____	<u>135</u>
Turbidity _____	<u>< 0.5</u>	Chlorides _____	<u>1.1</u>
Solids, Total _____	<u>150</u>	Sodium _____	<u>19.6</u>
Solids, Volatile _____	<u>15</u>	Potassium _____	<u>4.0</u>
Carbon Dioxide _____	<u>0.6</u>	Fluoride _____	<u>0.59</u>
pH _____	<u>8.3</u>	Phosphates _____	<u>< 0.01</u>
Alkalinity, Total as CaCO ₃ _____	<u>62</u>	Sulfates _____	<u>8.6</u>
Hardness as CaCO ₃ _____	<u>26.4</u>	Silicon _____	<u>62.5</u>
Calcium _____	<u>9.19</u>	Aluminum _____	<u>< 0.01</u>
Magnesium _____	<u>0.8</u>	Nitrogen, Ammonia _____	<u>0.63</u>
Iron _____	<u>0.02</u>	Nitrogen, Nitrite _____	<u>< 0.01</u>
Manganese _____	<u>< 0.01</u>	Nitrogen, Nitrate _____	<u>< 0.01</u>
Arsenic _____	<u>< 0.005</u>		

REMARKS _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Report Page No. _____
GROUND WATER BRANCH

WATER RESOURCES DIVISION

COUNTY Union

STATE Oregon

WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS

3/38-6H2. City of LaGrande. Drilled municipal artesian well in basalt. Diameter 14 inches, depth 1,391 feet. Land-surface datum is 2,790 feet above msl. MP is cement sidewalk at lsd.

Highest water level 111.1 feet above lsd Jan 12 1960; lowest 32.4 feet above lsd Aug 6 1960
Records available 1957- Water level Feet above lsd

Date	Water level	Date	Water level	Date	Water level	Date	Water level
1957	—						
MAY 29	108.6						
JULY 24	* +68.0						
NOV. 13	106.3						
1958	—						
JAN 10	** 103.9						
FEB 19	** 105.0						
APRIL 17	** 103.9						
SEPT 20	103.9						
1959	—						
APR. 9	101.6						
AUG 25	* 34.5						
1960	—						
JAN 12	111.1						
AUG 6	32.4						
1961							
JAN 10	108.6						
MAY 31	93.5						
SEPT 12							

* Gate valve open, ** Gate valve partly open