

STATE ENGINEER
Salem, Oregon

UMAT
3909

Well Record

STATE WELL NO. 5N/35-1E(2)
COUNTY Umatilla
APPLICATION NO. U-809

OWNER: City of Milton-Freewater

MAILING
ADDRESS: _____

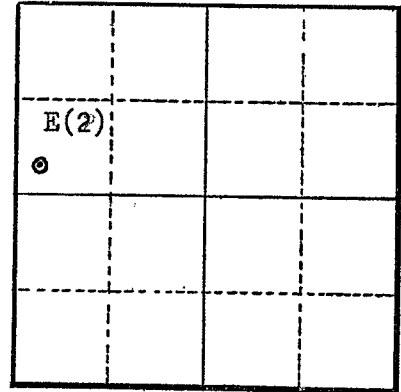
LOCATION OF WELL: Owner's No. 5

CITY AND
STATE: _____

Milton-Freewater, Oregon

SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 1 T. 5 ~~XX~~ N. 35 ~~XX~~ E., W.M.

Bearing and distance from section or subdivision
corner N. 32°2'E. 365.5' from W $\frac{1}{4}$ cor. of sec. 1
to a 2" iron pipe, thence S.50°35'W. 31.5'
to the well.



Section 1

Altitude at well 995'

TYPE OF WELL: Drilled Date Constructed 1936

Depth drilled 502' Depth cased 212'

CASING RECORD:

18 inch set from 0 to 40 feet
12 inch set from 40 to 212 feet

FINISH:

AQUIFERS:

Basalt from 435 to 502 feet

WATER LEVEL:

67 feet (10/5/54)
120 feet (5/1/57)

PUMPING EQUIPMENT: Type Peerless turbine H.P. 150
Capacity 1200 G.P.M.

WELL TESTS:

Drawdown 47 ft. after _____ hours 750 G.P.M.
Drawdown _____ ft. after _____ hours _____ G.P.M.

USE OF WATER Municipal Temp. _____ °F. _____, 19____

SOURCE OF INFORMATION USGS U-718

DRILLER or DIGGER A.A. Durand & Son

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis _____ Aquifer Test _____

REMARKS:

SANITARY ENGINEERING LABORATORY

REPORT OF MINERAL ANALYSIS OF WATER

Location of source Milton-Fresator Description of source Pump #5
 Analysis by MHP Date 11/12/51 Collected by _____ Date 6/25/51

RESULTS

	Parts per million
Turbidity _____	0
Color: Apparent _____ True _____	3
Odor: Hot _____ Cold _____	
Total Solids _____	11.9
Loss on Ignition _____	.50
Silicon (SiO ₂) _____	.40
Chloride (Cl) _____	7.0
Sulfate (SO ₄) _____	3.7
Calcium (Ca) _____	15
Magnesium (Mg) _____	0.5
Aluminum (Al) _____	0
Orthophosphates (PO ₄) _____	.15
Metaphosphates (PO ₃) ₆ _____	
Alkalinity (as CaCO ₃): Carbonate _____	0
Bicarbonate _____	70
Hardness (as CaCO ₃) _____	65
Sodium and potassium (as Na) _____	11
Iron (Fe) _____	.13
Manganese (Mn) _____	0
Fluoride (F) _____	.1
Carbon Dioxide (CO ₂) _____	2.3
pH <u>7.8</u>	
Remarks _____	

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County UMATILLA

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Water Level Record

OWNER: MILTON-FREEWATER OWNER'S NO. _____

Description of measuring point: MOUNT HOLE ON NE CORNER OF WELL 1.5' ABOVE L.S.D.

Date	Water Level Feet (above) (below) Land Surface	Remarks	Date	Water Level Feet (above) (below) Land Surface	DATE	Remarks	WATER LEVEL
11-9-61	101.21	RD#WSB	1-56	80	3-58		95
5-54	65		2	74	4		95
6	83		3	80	7		102
8	85		4	82	8		100
9	67		5	78			
10	73		10	89			
11	76		11	80			
12	72		12	80			
1-55	75		1-57	80			
2	70		2	81			
3	70		3	76			
4	68		4	80			
5	71		9	102			
8	86		10	98			
9	76		11	95			
10	74		12	86			
11	74		1-58	95			
12	82		2	95			

REMARKS: _____

