

STATE ENGINEER
Salem, Oregon

(Lake 2816)
Well Record

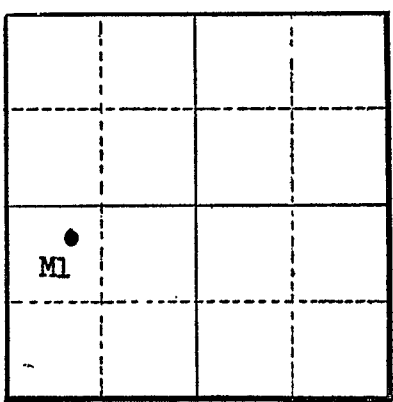
STATE WELL NO. 40/19-22M(1)
COUNTY Lake
APPLICATION NO. G-12

OWNER: Raymond E. Fisher MAILING ADDRESS: New Pine Creek

LOCATION OF WELL: Owner's No. _____ CITY AND STATE: Oregon

NW ¼ SW ¼ Sec. 22 T. 40 S., R. 19 W., W.M.

Bearing and distance from section or subdivision corner S 81° 20' E 1257' from the West ¼ cor. Sec. 22



Section 22

Altitude at well 3,000 (USGS Report)

TYPE OF WELL: Drilled Date Constructed _____

Depth drilled 3000 Depth cased _____

CASING RECORD:

FINISH:

AQUIFERS:

WATER LEVEL:

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 Irrigation Temp. 66 °F. Nov. 2, 1950

SOURCE OF INFORMATION G-12 USGS Report

DRILLER or DIGGER _____

ADDITIONAL DATA:
Log Water Level Measurements _____ Chemical Analysis Aquifer Test _____

REMARKS:

Oil test well constructed by the Tri State Gas & Petroleum Co..
USGS - Flow estimated at 300 gpm with much combustible gas at 1200 feet
Flow reported to have been 1000 gpm at 670 feet and 4000 gpm at 3000 feet.

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State Well No. 40/19-22M(1)
County _____ Lake _____
Application No. G-12

Well Log

Owner: Raymond E. Fisher Owner's No. _____

Driller: _____ Date Drilled _____

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Soil, silt and humus	0	4	4
Sand & gravel, pebbles of basalt up to 1/2" in diameter	4	8	4
Gravel, pea sized, and coarse sand	8	12	4
No record	12	124	112
Silt, sandy, gray	124	125	1
No record	125	128	3
Sand, black, coarse, angular to subrounded some pea gravel	128	132	4
No record	132	138	6
Clay, gray, sticky	138	201	63
Sand, black, coarse, angular; some quartz grains; (pan sample)	201	350	149
No record	350	362	12
Gravel, angular to round up to 1/2" in diameter fragment of gastropod	362	368	6
No record	368	391	23
Sand, dark gray, medium fine, some glassy quartz	391	394	3
No record	394	434	40
Sand, gray, medium, angular glassy quartz grains prominent	434	435	1
Sand, light gray, medium rounded well sorted	435	450	15
No record	450	583	133
Sand, dark gray, coarse, angular	583	590	7
No record	590	649	59
Sand, pumiceous, coarse, subrounded	649	650	1
Sand, gray, medium, well sorted, reported to flow at rate of 7000 gpm	650	660	10
No record	660	675	15
Sand, gray, medium, much glassy quartz	675	679	5

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Owner: Raymond E. Fisher Owner's No. _____

Driller: _____ Date Drilled _____

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
No record	679	680	1
Sand, gray, medium	680	684	4
Sand, light gray, medium	684	690	6
Sand, black, medium	690	730	40
No record	730	788	58
Sand, dark gray, fine	788	791	3
No record	791	800	9
Sand, gray, medium	800	803	3
No record	803	890	87
Sand, gray, medium fine, much glassy quartz	890	893	3
No record	893	895	2
Sand, gray, medium	895	900	5
Clay, black, soft, sticky	900	905	5
Sand, gray, medium	905	915	10
No record	915	930	15
Sand, light gray, fine	930	935	5
No record	935	947	12
Clay, yellow, gray, sticky	947	951	4
No record	951	1000	49
Clay, gray and fine sand	1000	1001	1
No record	1001	1063	62
Sand, gray, coarse	1063	1080	17
Clay, gray	1080	1085	5

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Salem, Oregon

State Well No. ⁴⁰/₁₉ -22M(1)

County LAKE

Application No. G.12

Chemical Analysis

OWNER Raymond E. Fisher OWNER'S NO. _____

ANALYST U.S.G.S Address _____

Date of Collection ~~June 25 1948~~ Nov. 2 1950

Point of Collection _____

	P.P.M.	E.P.M.
Silica (SiO ₂)	64	
Iron (Fe) Total	54	
Manganese (Mn)		
Calcium (Ca)	5.0	.25
Magnesium (Mg)	12	.98
Sodium (Na)	546	23.74
Potassium (K)	36	.92
Bicarbonate (HCO ₃)	1520	24.92
Carbonate (CO ₃)	10.11	.82
Sulfate (SO ₄)	1.1	.02
Chloride (Cl)	39	1.11
Fluoride (F)	.4	.02
Nitrate (NO ₃)	1.5	.02
Boron (B)	6.6	1.83
Dissolved Solids	1440	
Hardness as CaCO ₃	62	
Specific Conductance (Micromhos at 25°C)		2150
pH		7.9
Percent Sodium		92
Sodium Absorption Ratio (S.A.R.)		29.6
CLASS		C3 -54