

STATE ENGINEER
Salem, Oregon

UMAT
1315

Well Record

STATE WELL NO. 3N/29-16G(1)
COUNTY Umatilla
APPLICATION NO. G-21

OWNER: City of Echo

MAILING
ADDRESS:

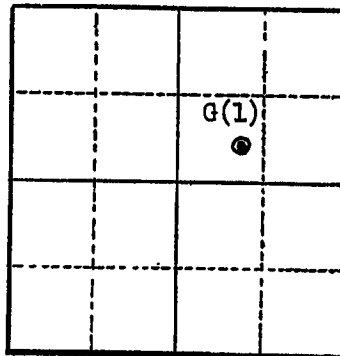
LOCATION OF WELL: Owner's No. 3

CITY AND
STATE:

Echo, Oregon

SW 1/4 NE 1/4 Sec. 16 T. 3 N. 29 E. W.M.

Bearing and distance from section or subdivision
corner S. 39° 30' W. 264.0' from NE cor. of sec. 16



Section 16

Altitude at well

TYPE OF WELL: Drilled Date Constructed 1951

Depth drilled 490' Depth cased

CASING RECORD:

16 inch
12 inch

FINISH:

AQUIFERS:

Basalt

WATER LEVEL:

95 feet in 1951

PUMPING EQUIPMENT: Type Turbine 12 stage H.P.
Capacity 400 G.P.M.

WELL TESTS:

Drawdown 60 ft. after 6 hours 400 G.P.M.

Drawdown ft. after hours G.P.M.

USE OF WATER Municipal Temp. °F., 19

SOURCE OF INFORMATION USGS G-64

DRILLER or DIGGER A.A. Durand & Son

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

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Well Log

Owner: City of ECHO Owner's No. 3

Driller: A. A. Durland & Son Date Drilled 1951

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Soil brown	0	1 1/2	1 1/2
Gravel, water bearing	1 1/2	25	11
Basalt, broken, & gravel	25	32'	7
Basalt, hard	32	35	3
Basalt, gray, hard. swl - 10 ft.	35	85	50
Basalt, black, medium hard Hard	85	103	18
Basalt, black, broken	103	116	13
Clay, blue	116	118	2
Basalt, black, broken	118	132	14
Basalt, black, broken, medium hard (137'-138')	132	159	27
Basalt, black, medium hard, broken	159	164	5
Basalt, black, swl - 10 ft.	164	179	15
Basalt, black, broken, / soft clay	179	18 1/2	5
Basalt, gray, hard	18 1/2	187	3
Basalt, gray, medium hard	187	275	88
Basalt, black, soft, swl - 107 ft.	275	290	15
Basalt, black	290	360	70
Basalt, gray, hard	360	362'	2
Basalt, gray, very hard	362	406	44
Basalt, gray, fine	406	430	24
Basalt, black, soft, broken	430	435	5
Basalt, gray, hard, swl - 100 ft.	435	490	55