

"691747w"

STATE ENGINEER
Salem, Oregon

State Well No. 40/7-11N
County Klamath
Application No. G-693

Well Log

Owner: AC&W Facility, Klamath Falls Air Force Base Owner's No. _____

Driller: R. J. Strasser Drilling Co. Date Drilled June 25, 1959

CHARACTER OF MATERIAL	(Feet below 'and surface)		Thickness (feet)
	From	To	
Rocky Overburden	0	26.5	26.5
Gray Lava	26.5	31.5	5
Rocks & clay	31.5	76	44.5
Lava	76	80	4
Gravel with Clay binder	80	111.5	31.5
Lava Boulders and clay	111.5	122	10.5
Gray Lava	122	160	38
Gray Lava with Red Burnt Cinders	160	180	20
Bad Crevice in Gray Rock	180	181	1
Gray Lava	181	200	19
Red Burned Cinders	200	216	16
Hard Gray Lava	216	255	39
Borken Lava	255	260	5
Hard Gray Lava	260	270	10
Vesicular Bed and Gray Lava	270	285	15
Gray Lava	285	322	37
Lava Ash	322	327	5
Hard Gray Lava	327	329.5	2.5
Soft Sandstone	329.5	356	26.5
Hard Sandstone	356	365	9
Red Rocky Shale	365	409	44
Hard Gray Lava	409	418	9
Red Rocky Shale	418	436	18
Gray Lava	436	445	9

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State Well No. 40/7-11N cont.
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Application No. G-693

Well Log

Owner: AC&W Facility, Klamath Falls Air Force Base Owner's No. _____

Driller: R. J. Strasser Drilling Co. Date Drilled _____

CHARACTER OF MATERIAL	(Feet below land surface)		Thickness (feet)
	From	To	
Lava Ash	445	453	8
Mixed Lava with Clay	453	485	32
Brown Shale	485	563	78
Hard Gray Lava	563	633	70
Lava Ash (Red and Gray)	633	675	42
Red Gray Lava	675	745	70
Red Lava	745	760	15
Hard Gray Lava	760	896	136
Broken Hard Gray Lava	896	900	4
Hard Gray Lava	900	967	67
Red Burnt Lava mixed with Gray	967	981	14
Gray Lava	981	1020	39
Red Lava	1020	1070	50
Brown Lava	1070	1130	60
Gray Lava	1130	1208	78
Brown and Gray Porous Lava	1208	1222	14
Gray Lava	1222	1260	38
Broken Lava (water bearing)	1260	1273	13
Gray and Red Lava (water bearing)	1273	1288	15
Hard Gray Lava	1288	1305	17

40/7-1W

CASING LOG:

Well cased from surface to 294 ft. with 12 inch std. pipe.
Well cased from surface to 777 ft. - 8 in. with 10 inch std. pipe.
Well cased from surface to 1200 ft. with 8 inch std. pipe.

GROUTING:

12 inch casing grouted from surface to 294 ft. Grout placed between
12 inch hole and 10 inch casing from 727 ft. to 777 ft.
8 inch pipe grouted from 1184 ft. to 1200 ft.

Water temperature 61 degrees F.
Water used in drilling well, approximately 38 700 gal.
2800 lbs. Bentonite used during drilling lava ash.
Static water level—1193 ft.
Well pumped 68.5 g.p.m. with 1.5 ft. drawdown from static level.

STATE ENGINEER
Salem, Oregon

124m
13672

Well Record

STATE WELL NO. 40/7-11N1
COUNTY Klamath
APPLICATION NO.

OWNER: U. S. Air Force

MAILING
ADDRESS:
CITY AND
STATE:

LOCATION OF WELL: Owner's No.

1/4 1/4 Sec. T. N. E.
S. R. W., W.M.

Bearing and distance from section or subdivision
corner

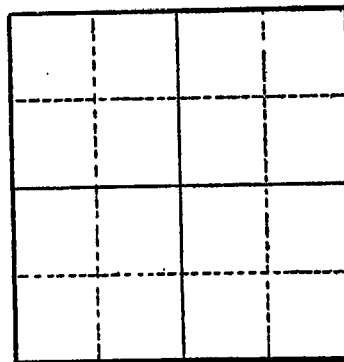
Altitude at well 4,900

TYPE OF WELL: Drilled Date Constructed

Depth drilled 1,310 Depth cased 1,200

CASING RECORD:

12-8 inch



Section

FINISH:

AQUIFERS:

Basalt from 1,192 to 1,310

WATER LEVEL:

1,192 feet below land surface on May 16, 1958

PUMPING EQUIPMENT: Type Turbine H.P.
Capacity 50 G.P.M.

WELL TESTS:

Drawdown ft. after hours G.P.M.

Drawdown ft. after hours G.P.M.

USE OF WATER Public Supply Temp. 61° °F. 19

SOURCE OF INFORMATION USGS

DRILLER or DIGGER

ADDITIONAL DATA:

Log Water Level Measurements Chemical Analysis Aquifer Test

REMARKS:

Well penetrated rubble to 120 ft., upper lava rocks 120 to 322, Yonna formation 322 to 545, and lower lava rocks from 545 to bottom.