

DRILL HOLE LOG - COVER SHEET

LOCATION

¹Township/Range/Section 13S/7E-32 DC ¹State Oregon
⁴Topo. Quad. Three Fingers Jacob 15' ¹AMS Quad. _____
 Elevation 3135 feet ²955.5 meters [Source USGS 15']
¹Latitude _____ ¹Longitude _____
¹Hole Owner (and Number) Eugene Water and Electric Board
¹Date(s) Logged 8/10/79 ⁴Inclination & Bearing Vert.
¹Geologic Province High Cascades

KEY INFORMATION

²Depth Logged 557m ²Max. Temp. 24.73 ²Bottom Hole Temp. 24.73
²Depth to Water 20-25m ²Min. Temp. 9.78 ²Surface Temp. 9.00

DRILLING INFORMATION

Drilling Contractor and Address Southwest Drilling Co.
Nevada ²Drilling Dates _____
 Drilling Method mud rotary Drilled Depth 1800'
 Hole Size and Casing Record 8" to 100' ; 6" to TD ; 6" casing cemented to 150' ; 2" casing to TD filled w/ water
 Comments _____

TERRAIN INFORMATION

Ground Cover, Collar basalt flow surface ; Within 150 m sparse conifers
 Topographic Setting, Local GENTLE SLOPE ; Regional MTN TOP
 Relief, Local (m) 50 ; Regional (m) 690
 Slope Orientation, Local W ; Regional W
 Slope Angle, Local _____ ; Regional _____

HEAT FLOW INFORMATION

Shape of T-D Curve UPFLOW Quality of Gradient C
 Purpose of Hole HEAT FLOW
⁴Geologic Log (include aquifers) will be available
⁴Geophysical Logs Available gamma will be run later w/ DOE's truck
 Thermal Conductivity Samples cuttings will be available
⁴Radioactivity Samples _____
 References _____
 Comments _____

B	A
C	D

TEMPERATURE-DEPTH LOG

Hole Name Clear Lake Twp/Rg/Sec 13S / 7E / 32
 Company/Owner (address) EWEB Hole No. 13S 7E -32-DC
 Map _____ Drill Depth & Date 1800' 8/8/79 Zero Elev. _____
 Probe, Cable, Bridge PR2 TH5 WB3 Operator JJ Black
 Comments _____ Date Probed 8/10/79

Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments
5	3 4262.3 4 4264.1 5 4265.3 6 4266.1 4275.2	17.11		
10				
15				
20				
25	5774.6	9.78		
30	5630.5	10.38	120	
35	5529.5	10.82	88	
40	5556.1	10.70	-24	
45	5483.2	11.02	64	
50	5253.5	12.05	206	
55	5187.9	12.36	62	
60	5181.3	12.39	6	
65	5141.2	12.57	36	
70	5105.3	12.74	34	
75	5020.6	13.15	82	
80	4965.1	13.42	54	
85	4900.6	13.74	64	
90	4821.4	14.14	80	
95	4728.6	14.62	96	
100	4638.9	15.44 15.09	94	
105	4563.0	15.49	80	



TEMPERATURE-DEPTH LOG

Hole Name Clean Lake Twp/Rg/Sec / /
 Company/Owner (address) _____ Hole No. 13517E-320C
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 8/10/79

Depth meters	Resistance ohms	Temperature °C	ΔT/Δx °C/km	Comments
110	4456.4	16.07	116	
115	4384.4	16.48	82	
120	4312.1	16.89	82	
125	4207.6	17.50	122	
130	4118.2	18.04	108	
135	4068.4	18.35	62	
140	4009.9	18.71	72	
145	3993.2	18.81	20	
150	3972.9	18.94	26	
155	3947.0	19.11	34	
160	3885.3	19.50	78	
165	3819.7	19.94	88	
170	3777.9	20.21	54	
175	3717.5	20.62	62 82	
180	3645.1	21.12	100	
185	3579.7	21.59	94	
190	3551.4	21.79	40	
195	3532.2	21.93	28	
200	3487.2	22.26	66	
205	3398.6	22.92	132	
210	3373.1	23.11	38	



TEMPERATURE-DEPTH LOG

Hole Name Clear Lake Twp/Rg/Sec / /
 Company/Owner (address) _____ Hole No. 1357E-32DC
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 8/10/79

Depth meters	Resistance ohms	Temperature °C	$\Delta T/\Delta x$ °C/km	Comments
215	3363.6	23.18	14	
220	3359.8	23.21	6	
225	3354.4	23.26	10	
230	3334.0	23.41	30	
235	3323.1	23.50	18	
240	3334.5	23.41	-18	
245	3323.5	23.49	16	
250	3325.0	23.48	-2	
255	3324.6	23.49	2	
260	3325.4	23.48	-2	
265	3322.2	23.50	4	
270	3325.6	23.48	-4	
275	3338.7	23.38	-20	
280	3340.3	23.36	-4	
285	3335.5	23.40	8	
290	3336.4	23.39	-2	
295	3339.6	23.37	-4	
300	3340.0	23.37	0	
305	3341.5	23.35	-4	
310	3343.9	23.34	-2	
315	3355.2	23.25	-18	



TEMPERATURE-DEPTH LOG

Hole Name Clean Tube Twp/Rg/Sec / /
 Company/Owner (address) _____ Hole No. 135/7E-320C
 Map _____ Drill Depth & Date _____ Zero Elev. _____
 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 8/10/79

Depth meters	Resistance ohms	Temperature °C	$\Delta T/\Delta x$ °C/km	Comments
320	3355.8	23.24	-2	
325	3354.8	23.25	2	
330	3357.0	23.24	-2	
335	3374.3	23.10	-28	
340	3384.2	23.03	-14	
345	3384.9	23.02	-2	
350	3380.6	23.05	6	
355	3377.0	23.08	6	
360	3379.1	23.07	-2	
365	3393.5	22.96	-22	
370	3386.4	23.01	10	
375	3388.2	22.98	-6	
380	3390.7	22.98	0	
385	3395.2	22.94	-8	
390	3398.9	22.92	-4	
395	3420.4	22.75	-34	
400	3420.6	22.75	0	
405	3419.5	22.76	2	
410	3414.7	22.80	8	
415	3420.3	22.75	-10	
420	3429.4	22.69	-12	



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 Probe, Cable, Bridge _____ Operator _____
 Comments _____ Date Probed 8/10/79

Depth meters	Resistance ohms	Temperature °C	$\Delta T/\Delta x$ °C/km	Comments
425	3427.5	22.70	2	
430	3425.9	22.71	2	
435	3426.3	22.71	0	
440	3426.1	22.71	0	
445	3425.4	22.72	2	
450	3421.4	22.75	6	
455	3419.6	22.76	2	
460	3415.7	22.79	6	
465	3412.4	22.81	4	
470	3403.3	22.88	14	
475	3400.8	22.90	4	
480	3390.8	22.98	16	
485	3386.5	23.01	6	
490	3385.3	23.02	2	
495	3371.2	23.13	22	
500	3353.1	23.27	28	
505	3342.8	23.34	14	
510	3333.0	23.42	16	
515	3314.9	23.56	28	
520	3300.3	23.68	24	
525	3285.1	23.79	22	

