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STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1005 State Office Building
Portland, Oregon 97201

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OPEN-FILE REPORT 0-82-4

GEOHERMAL GRADIENT DATA (1981)

by

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Gerald L. Black, and
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Data are arranged by township form north to south

MASTER

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SECRET

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LOCATION: THE DALLES AMS, ORE.
2N/ 7E-28BDDA

HOLE NAME: TAN CK
DATE MEASURED: 1/ 4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	4.084	39.36	0.0	0.0
3.0	9.8	4.103	39.39	19.0	1.0
4.0	13.1	4.121	39.42	18.0	1.0
5.0	16.4	4.154	39.48	33.0	1.0
6.0	19.7	4.196	39.55	42.0	1.0
7.0	23.0	4.241	39.63	45.0	1.0
8.0	26.3	4.292	39.73	51.0	1.0
9.0	29.6	4.346	39.82	54.0	1.0
10.0	32.9	7.258	45.06	291.0	15.0
11.0	36.2	7.853	46.15	601.0	33.0
12.0	39.5	8.175	46.71	316.0	17.0
13.0	42.8	8.419	47.15	244.0	13.0
14.0	46.1	8.627	47.53	208.0	11.0
15.0	49.4	8.797	47.76	130.0	7.0
16.0	52.7	8.879	47.98	122.0	6.0
17.0	56.0	9.038	48.25	151.0	8.0
18.0	59.3	9.104	48.39	74.0	4.0
19.0	62.6	9.247	48.64	143.0	7.0
20.0	65.9	9.331	48.80	84.0	4.0
21.0	69.2	9.486	49.07	156.0	8.0
22.0	72.5	9.548	49.19	62.0	3.0
23.0	75.8	9.655	49.38	107.0	5.0
24.0	79.1	9.793	49.57	104.0	5.0
25.0	82.4	9.859	49.75	100.0	5.0
26.0	85.7	9.975	49.96	116.0	6.0
27.0	89.0	10.080	50.14	105.0	5.0
28.0	92.3	10.177	50.32	97.0	5.0
29.0	95.6	10.300	50.54	123.0	6.0
30.0	98.9	10.380	50.68	80.0	4.0
31.0	102.2	10.496	50.89	116.0	6.0
32.0	105.5	10.605	51.09	109.0	5.0
33.0	108.8	10.719	51.29	114.0	5.0
34.0	112.1	10.839	51.51	120.0	6.0
35.0	115.4	10.964	51.74	125.0	6.0
36.0	118.7	11.057	51.90	93.0	5.0
37.0	122.0	11.118	52.01	61.0	3.0
38.0	125.3	11.206	52.17	88.0	4.0
39.0	128.6	11.300	52.34	94.0	4.0
40.0	131.9	11.366	52.46	66.0	3.0
41.0	135.2	11.493	52.69	127.0	6.0
42.0	138.5	11.604	52.89	111.0	5.0

LOCATION: THE DALLES AMS, ORE.

PAGE 2

HOLE NAME: TAN CK
 DATE MEASURED: 1/4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	11.574	53.01	70.0	4.3
44.0	144.3	11.730	53.11	56.0	4.3
45.0	147.6	11.791	53.22	61.0	4.3
46.0	150.9	11.845	53.32	54.0	4.3
47.0	154.2	11.878	53.38	33.0	4.3
48.0	157.4	11.918	53.45	40.0	4.3
49.0	160.7	11.954	53.52	36.0	4.3
50.0	164.0	11.998	53.60	44.0	4.3
51.0	167.3	12.136	53.84	139.0	4.3
52.0	170.6	12.215	53.99	79.0	4.3
53.0	173.9	12.339	54.21	124.0	4.3
54.0	177.1	12.461	54.43	122.0	4.3
55.0	180.4	12.558	54.60	97.0	4.3
56.0	183.7	12.655	54.78	97.0	4.3
57.0	187.0	12.748	54.95	93.0	4.3
58.0	190.3	12.844	55.12	96.0	4.3
59.0	193.6	12.926	55.27	82.0	4.3
60.0	196.9	13.003	55.41	77.0	4.3
61.0	200.2	13.094	55.57	91.0	4.3
62.0	203.5	13.158	55.68	64.0	4.3
63.0	206.8	13.230	55.81	72.0	4.3
64.0	210.1	13.304	55.95	74.0	4.3
65.0	213.4	13.332	56.11	88.0	4.3
66.0	216.7	13.465	56.27	93.0	4.3
67.0	219.9	13.573	56.43	88.0	4.3
68.0	223.2	13.644	56.56	71.0	4.3
69.0	226.5	13.738	56.71	86.0	4.3
70.0	229.8	13.806	56.85	76.0	4.3
71.0	233.1	13.885	56.99	79.0	4.3
72.0	236.4	13.963	57.13	78.0	4.3
73.0	239.7	14.040	57.27	77.0	4.3
74.0	243.0	14.112	57.40	72.0	4.3
75.0	246.3	14.190	57.54	78.0	4.3
76.0	249.6	14.264	57.68	74.0	4.3
77.0	252.9	14.338	57.81	74.0	4.3
78.0	256.2	14.424	57.96	86.0	4.3
79.0	259.5	14.504	58.11	80.0	4.3
80.0	262.8	14.586	58.26	82.0	4.3
81.0	266.1	14.638	58.35	82.0	4.3
82.0	269.4	14.708	58.47	78.0	4.3
83.0	272.7	14.786	58.61	78.0	4.3

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LOCATION: THE DALLES AMS, ORE.

PAGE 3

HOLE NAME: 2N 7E-28BDDA
TAN CK

DATE MEASURED: 1/4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	276.5	14.875	58.78	69.0	4.9
85.0	278.0	14.953	58.92	70.0	4.43
86.0	282.1	15.035	59.06	72.0	4.51
87.0	285.4	15.109	59.20	74.0	4.51
88.0	288.6	15.188	59.34	75.0	4.51
89.0	291.9	15.274	59.49	76.0	4.51
90.0	295.2	15.353	59.64	77.0	4.51
91.0	298.5	15.429	59.77	78.0	4.51
92.0	301.8	15.508	59.91	79.0	4.51
93.0	305.0	15.587	60.06	79.0	4.51
94.0	308.3	15.663	60.19	79.0	4.51
95.0	311.6	15.720	60.30	79.0	4.51
96.0	314.9	15.793	60.43	79.0	4.51
97.0	318.2	15.861	60.55	79.0	4.51
98.0	321.4	15.933	60.68	79.0	4.51
99.0	324.7	16.001	60.80	79.0	4.51
100.0	328.0	16.082	60.95	79.0	4.51
101.0	331.3	16.149	61.07	81.0	4.44
102.0	334.6	16.228	61.21	81.0	4.44
103.0	337.8	16.298	61.34	81.0	4.44
104.0	341.1	16.369	61.46	81.0	4.44
105.0	344.4	16.436	61.58	81.0	4.44
106.0	347.7	16.520	61.74	84.0	4.6
107.0	351.0	16.594	61.87	84.0	4.41
108.0	354.3	16.675	62.02	81.0	4.44
109.0	357.6	16.755	62.16	80.0	4.44
110.0	360.9	16.862	62.35	80.0	4.44
111.0	364.1	16.906	62.43	107.0	4.44
112.0	367.4	16.968	62.54	44.0	4.44
113.0	370.6	17.024	62.64	56.0	4.44
114.0	373.9	17.068	62.72	44.0	4.44
115.0	377.1	17.274	63.09	28.0	4.44
116.0	380.4	17.373	63.27	99.0	4.44
117.0	383.7	17.417	63.35	44.0	4.44
118.0	387.0	17.468	63.44	51.0	4.44
119.0	390.3	17.505	63.51	37.0	4.44
120.0	393.6	17.568	63.62	53.0	4.44
121.0	396.9	17.625	63.73	57.0	4.44
122.0	400.2	17.697	63.85	72.0	4.44
123.0	403.4	17.762	63.97	66.0	4.44
124.0	406.7	17.820	64.08	58.0	4.44

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LOCATION: THE DALLAS AMS, ORE.

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HOLE NAME: TAN CK
2N 7E-28BDDA

DATE MEASURED: 1/4/82

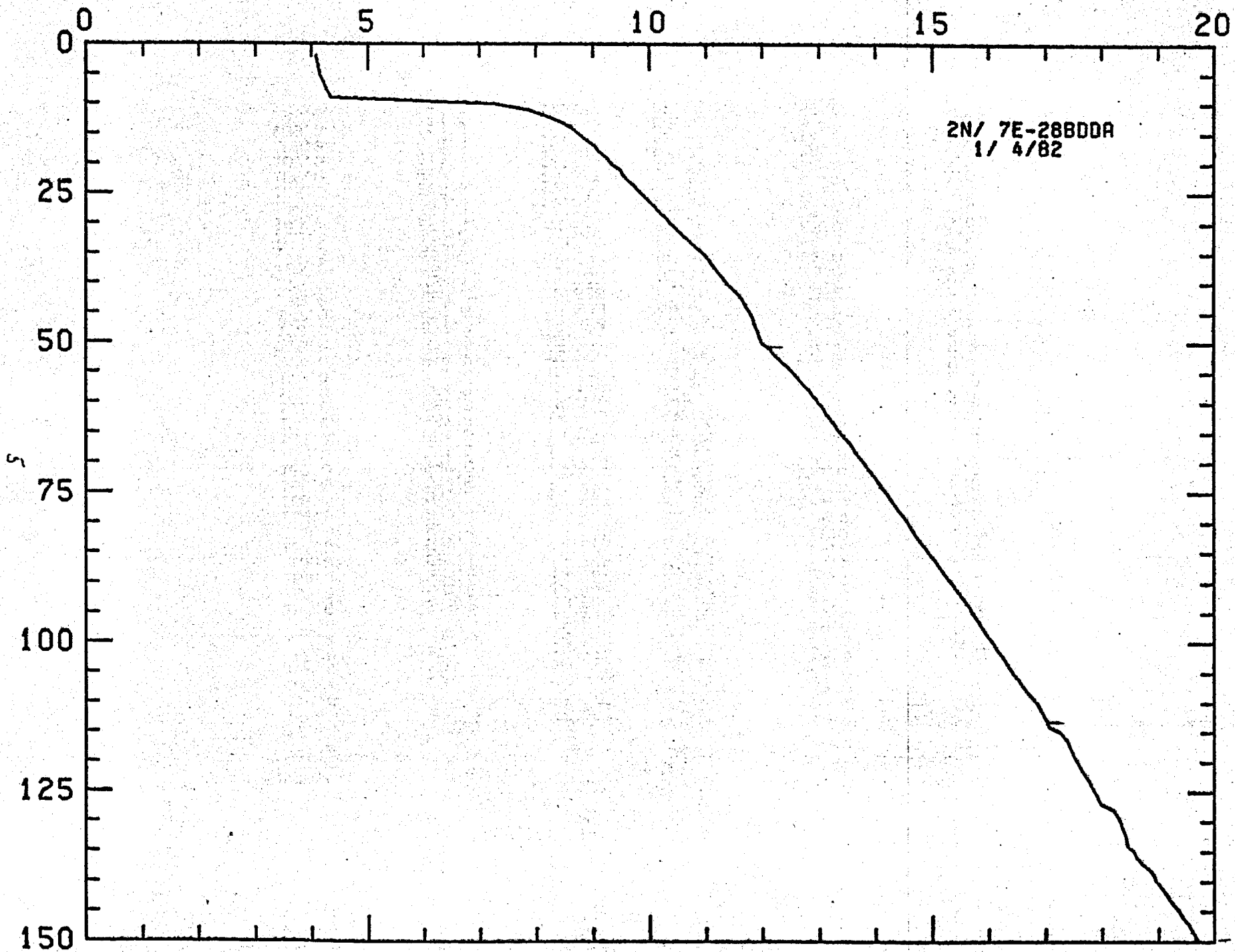
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	17.890	64.18	60.0	3.3
126.0	413.0	17.927	64.27	47.0	2.6
127.0	416.6	17.979	64.36	55.0	3.0
128.0	419.8	18.204	64.77	25.0	1.4
129.0	423.1	18.274	64.89	70.0	3.9
130.0	426.4	18.331	65.00	57.0	3.1
131.0	429.7	18.361	65.05	30.0	1.6
132.0	433.0	18.413	65.14	28.0	1.5
133.0	436.3	18.435	65.18	28.0	1.5
134.0	439.5	18.462	65.23	27.0	1.4
135.0	442.8	18.571	65.43	27.0	1.4
136.0	446.1	18.614	65.51	103.0	5.6
137.0	449.4	18.716	65.69	43.0	2.4
138.0	452.6	18.843	65.92	27.0	1.4
139.0	455.9	18.924	66.06	107.0	5.8
140.0	459.2	18.980	66.16	81.0	4.4
141.0	462.5	19.065	66.32	85.0	4.7
142.0	465.8	19.138	66.45	85.0	4.7
143.0	469.0	19.208	66.57	73.0	4.0
144.0	472.3	19.296	66.73	88.0	4.8
145.0	475.6	19.370	66.87	74.0	4.1
146.0	478.9	19.445	67.00	75.0	4.1
147.0	482.2	19.531	67.16	86.0	4.7
148.0	485.4	19.583	67.25	58.0	3.2
149.0	488.7	19.653	67.38	70.0	3.9
150.0	492.0	19.709	67.48	56.0	3.1
151.0	495.3	19.774	67.59	66.0	3.6
152.0	498.6	19.836	67.70	68.0	3.8
153.0	501.8	19.895	67.81	59.0	3.2

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TEMPERATURE, DEG C

2N/ 7E-28B00A
1/ 4/82

DEPTH, METERS



LOCATION: THE DALLES AMS, OREGON
2N/10E-30DDA

HOLE NAME: FIRM2
DATE MEASURED: 9/10/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
150.0	492.0	13.331	56.00	0.0	0.0
151.0	495.0	13.415	56.15	0.0	0.0
152.0	498.0	13.462	56.23	0.0	0.0
153.0	501.0	13.493	56.29	0.0	0.0
154.0	505.1	13.556	56.40	0.0	0.0
155.0	508.4	13.607	56.49	0.0	0.0
156.0	511.7	13.696	56.65	0.0	0.0
157.0	515.0	13.813	56.88	0.0	0.0
158.0	518.0	13.908	57.03	0.0	0.0
159.0	521.0	14.006	57.23	0.0	0.0
160.0	524.0	14.081	57.35	0.0	0.0
161.0	528.1	14.135	57.44	0.0	0.0
162.0	531.4	14.212	57.58	0.0	0.0
163.0	534.6	14.291	57.72	0.0	0.0
164.0	537.9	14.425	57.98	0.0	0.0
165.0	541.2	14.575	58.24	0.0	0.0
166.0	544.4	14.691	58.45	0.0	0.0
167.0	547.6	14.796	58.63	0.0	0.0
168.0	551.0	14.821	58.69	0.0	0.0
169.0	554.4	14.894	58.82	0.0	0.0
170.0	557.6	14.936	58.89	0.0	0.0
171.0	560.9	15.010	59.02	0.0	0.0
172.0	564.2	15.128	59.23	0.0	0.0
173.0	567.4	15.239	59.43	0.0	0.0
174.0	570.7	15.390	59.70	0.0	0.0
175.0	574.0	15.431	59.79	0.0	0.0
176.0	577.3	15.488	59.89	0.0	0.0
177.0	580.6	15.588	60.07	0.0	0.0
178.0	583.9	16.516	61.73	0.0	0.0
179.0	587.1	16.762	62.17	0.0	0.0
180.0	590.4	16.854	62.34	0.0	0.0
181.0	593.7	16.928	62.46	0.0	0.0
182.0	597.0	16.976	62.56	0.0	0.0
183.0	600.0	17.000	62.60	0.0	0.0
184.0	603.0	17.050	62.69	0.0	0.0
185.0	606.0	17.086	62.75	0.0	0.0
186.0	610.1	17.098	62.78	0.0	0.0
187.0	613.4	17.126	62.83	0.0	0.0
188.0	616.6	17.148	62.87	0.0	0.0
189.0	619.9	17.155	62.88	0.0	0.0
190.0	623.2	17.197	62.95	0.0	0.0

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LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: FIRM2

DATE MEASURED: 9/10/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
191.0	626.5	17.215	63.09	18.0	1.0
192.0	629.8	17.248	63.05	18.0	1.0
193.0	633.0	17.281	63.11	18.0	1.0
194.0	636.3	17.318	63.17	18.0	1.0
195.0	639.6	17.376	63.28	18.0	1.0
196.0	642.9	17.480	63.46	18.0	1.0
197.0	646.2	17.515	63.53	18.0	1.0
198.0	649.4	17.538	63.57	18.0	1.0
199.0	652.7	17.552	63.58	18.0	1.0
200.0	656.0	17.568	63.62	18.0	1.0
201.0	659.3	17.589	63.66	18.0	1.0
202.0	662.6	17.608	63.69	18.0	1.0
203.0	665.8	17.634	63.74	18.0	1.0
204.0	669.1	17.653	63.78	18.0	1.0
205.0	672.4	17.674	63.81	18.0	1.0
206.0	675.7	17.696	63.85	18.0	1.0
207.0	679.0	17.718	63.89	18.0	1.0
208.0	682.2	17.744	63.94	18.0	1.0
209.0	685.5	17.769	63.98	18.0	1.0
210.0	688.8	17.799	64.04	18.0	1.0
211.0	692.1	17.829	64.09	18.0	1.0
212.0	695.4	17.854	64.14	18.0	1.0
213.0	698.6	17.876	64.18	18.0	1.0
214.0	701.9	17.901	64.22	18.0	1.0
215.0	705.2	17.926	64.28	18.0	1.0
216.0	708.5	17.961	64.33	18.0	1.0
217.0	711.8	17.991	64.38	18.0	1.0
218.0	715.0	18.019	64.43	18.0	1.0
219.0	718.3	18.056	64.50	18.0	1.0
220.0	721.6	18.083	64.55	18.0	1.0
221.0	724.9	18.111	64.60	18.0	1.0
222.0	728.2	18.144	64.66	18.0	1.0
223.0	731.4	18.175	64.72	18.0	1.0
224.0	734.7	18.214	64.79	18.0	1.0
225.0	738.0	18.234	64.82	18.0	1.0
226.0	741.3	18.263	64.87	18.0	1.0
227.0	744.6	18.293	64.93	18.0	1.0
228.0	747.8	18.325	64.99	18.0	1.0
229.0	751.1	18.355	65.04	18.0	1.0
230.0	754.4	18.388	65.08	18.0	1.0
231.0	757.7	18.406	65.13	18.0	1.0

LOCATION: THE DALLES AMS, OREGON

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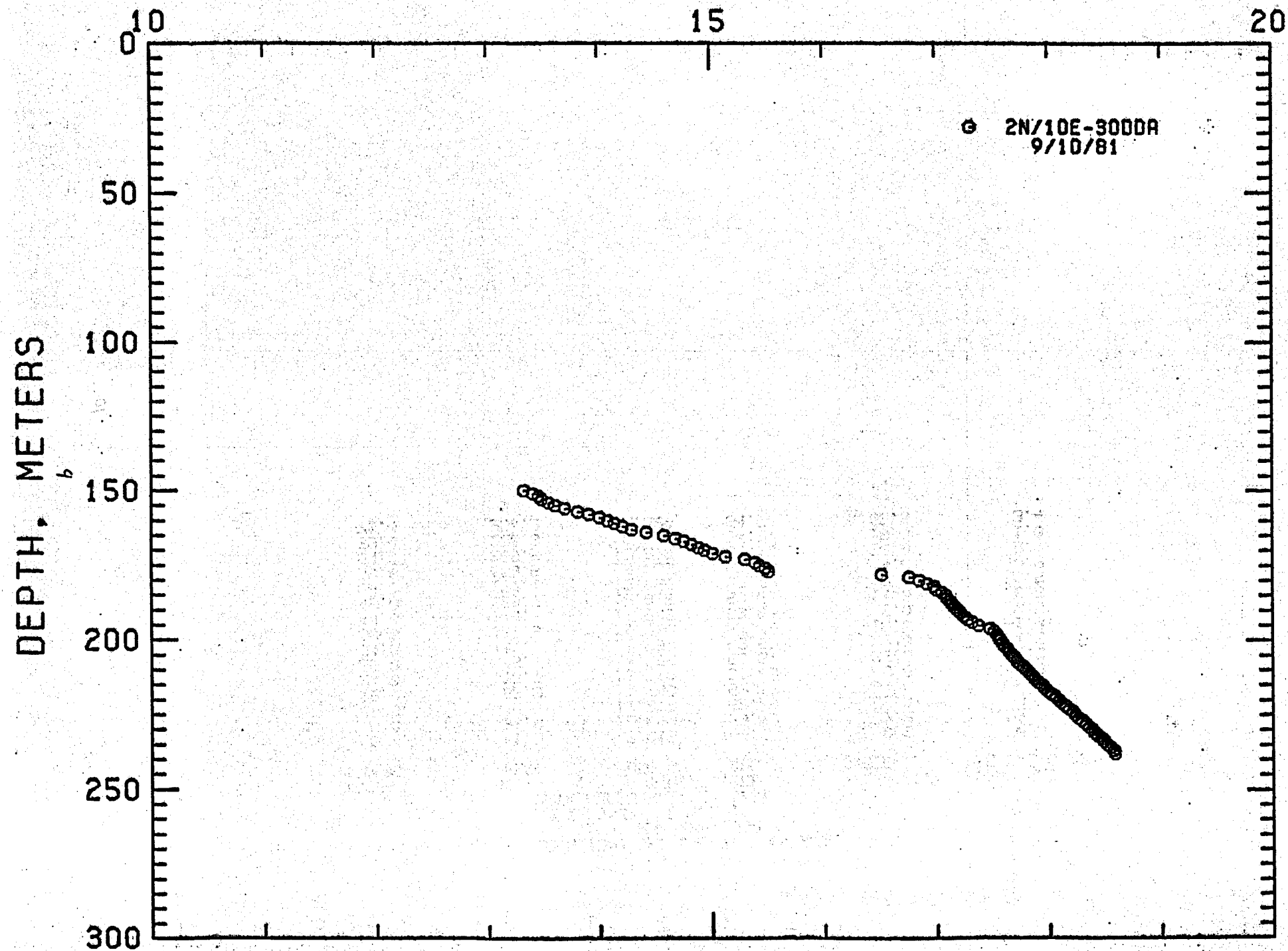
2N/10E-30DDA

HOLE NAME: FIRM2

DATE MEASURED: 9/10/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
232.0	761.0	18.433	65.18	27.0	1.5
233.0	764.2	18.466	65.24	33.0	1.8
234.0	767.5	18.494	65.29	29.0	1.5
235.0	770.8	18.519	65.33	25.0	1.4
236.0	774.1	18.549	65.39	30.0	1.6
237.0	777.4	18.575	65.43	26.0	1.4
238.0	780.6	18.589	65.46	14.0	0.8

TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, ORE.

2N/11E-11DBA

HOLE NAME: GULL 1

DATE MEASURED: 12/11/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

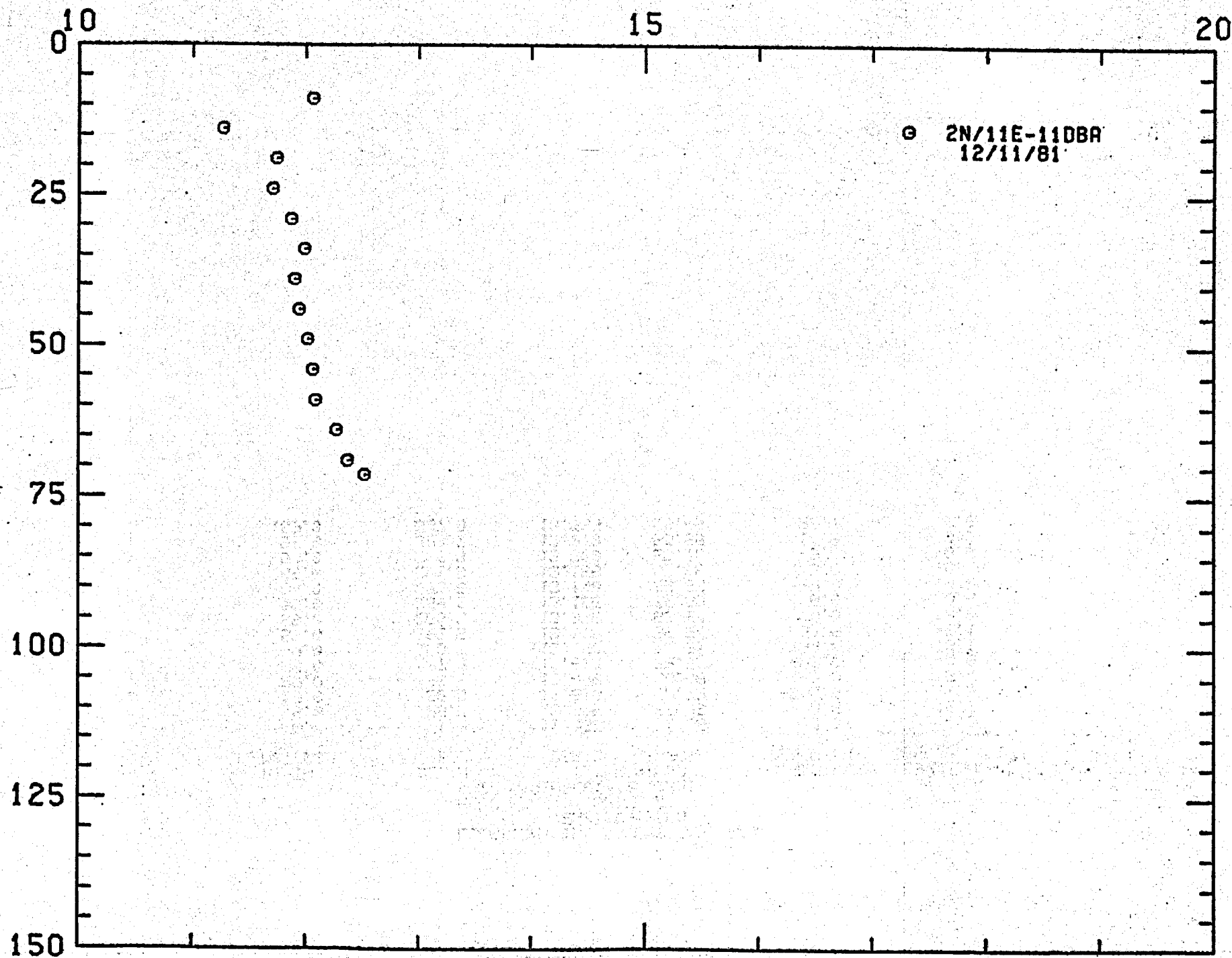
GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.4	1.3	7.015	44.63	0.0	0.0
9.0	29.5	12.065	53.72	587.2	33.0
14.0	45.9	11.270	52.29	-159.0	11.1
19.0	62.3	11.740	53.13	94.0	16.0
24.0	78.7	11.710	53.08	-6.0	1.0
29.0	95.1	11.875	53.37	23.0	11.1
34.0	111.5	11.990	53.58	23.0	11.1
39.0	127.9	11.900	53.42	-18.0	11.1
44.0	144.3	11.945	53.50	9.0	11.1
49.0	160.7	12.015	53.63	14.0	11.1
54.0	177.1	12.065	53.72	10.0	11.1
59.0	193.5	12.065	53.72	4.0	11.1
64.0	209.9	12.275	54.10	38.0	11.1
69.0	226.3	12.370	54.27	19.0	11.1
71.4	234.2	12.520	54.54	62.0	11.1

01

TEMPERATURE, DEG C

DEPTH, METERS



LOCATION: THE DALLES AMS, ORE.

2N/11E-12BCA

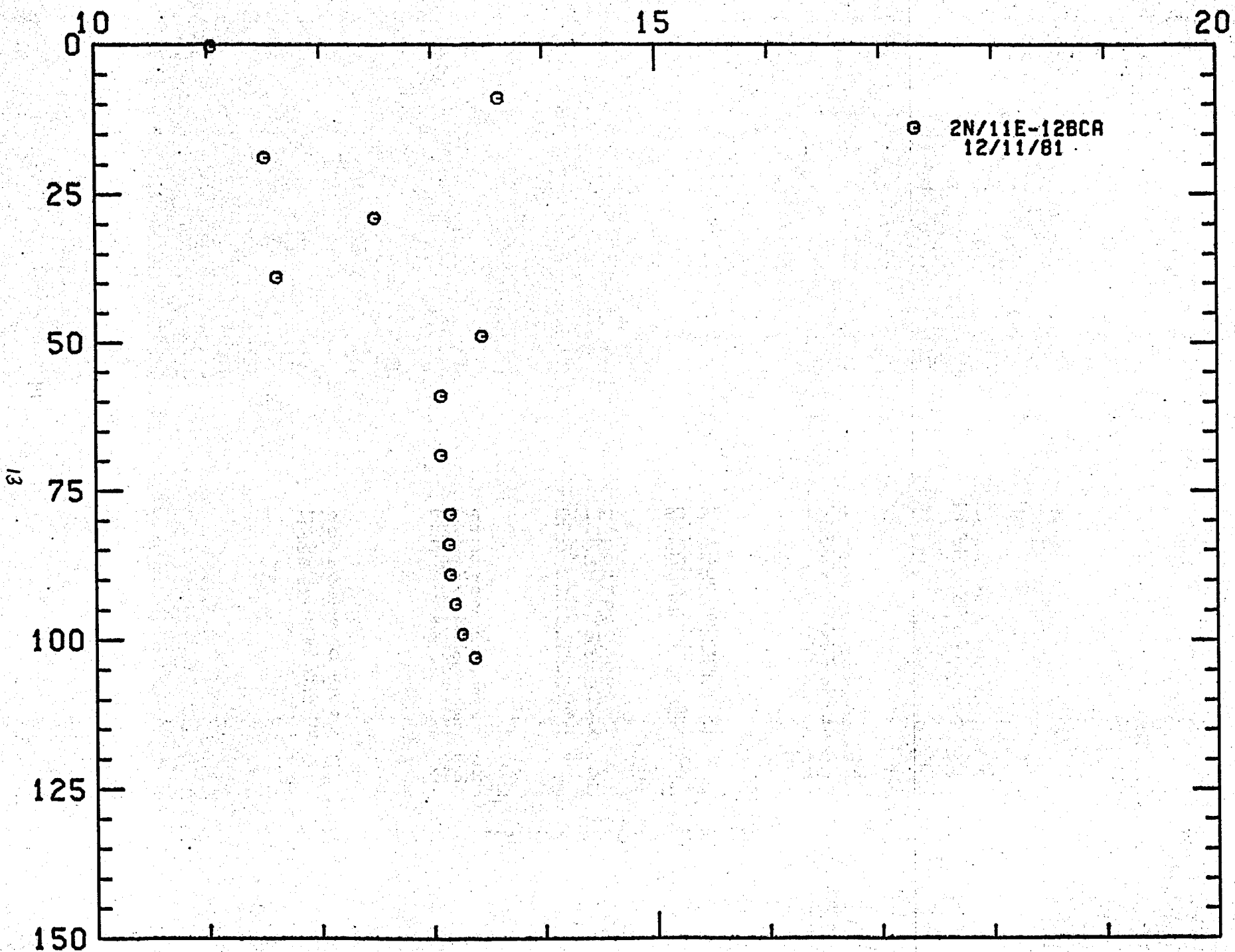
HOLE NAME: GULL 2

DATE MEASURED: 12/11/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
0.4	1.3	11.035	51.86	0.0	0.0
9.0	29.5	13.605	56.49	298.0	16.4
19.0	62.9	11.510	52.72	-209.5	-11.5
29.0	95.1	12.490	54.48	98.0	5.4
39.0	127.9	11.610	52.90	-88.0	-4.8
49.0	160.7	13.450	56.21	184.0	10.1
59.0	193.5	13.075	55.54	-37.5	-2.1
69.0	226.3	13.075	55.54	0.0	0.0
79.0	259.1	13.155	55.68	0.0	0.4
89.0	291.9	13.140	55.65	-3.0	-0.2
94.0	308.9	13.155	55.68	3.0	0.0
99.0	324.7	13.200	55.76	9.0	0.5
103.0	337.0	13.270	55.89	14.0	0.8
		13.385	56.09	28.7	1.6

TEMPERATURE, DEG C

DEPTH, METERS



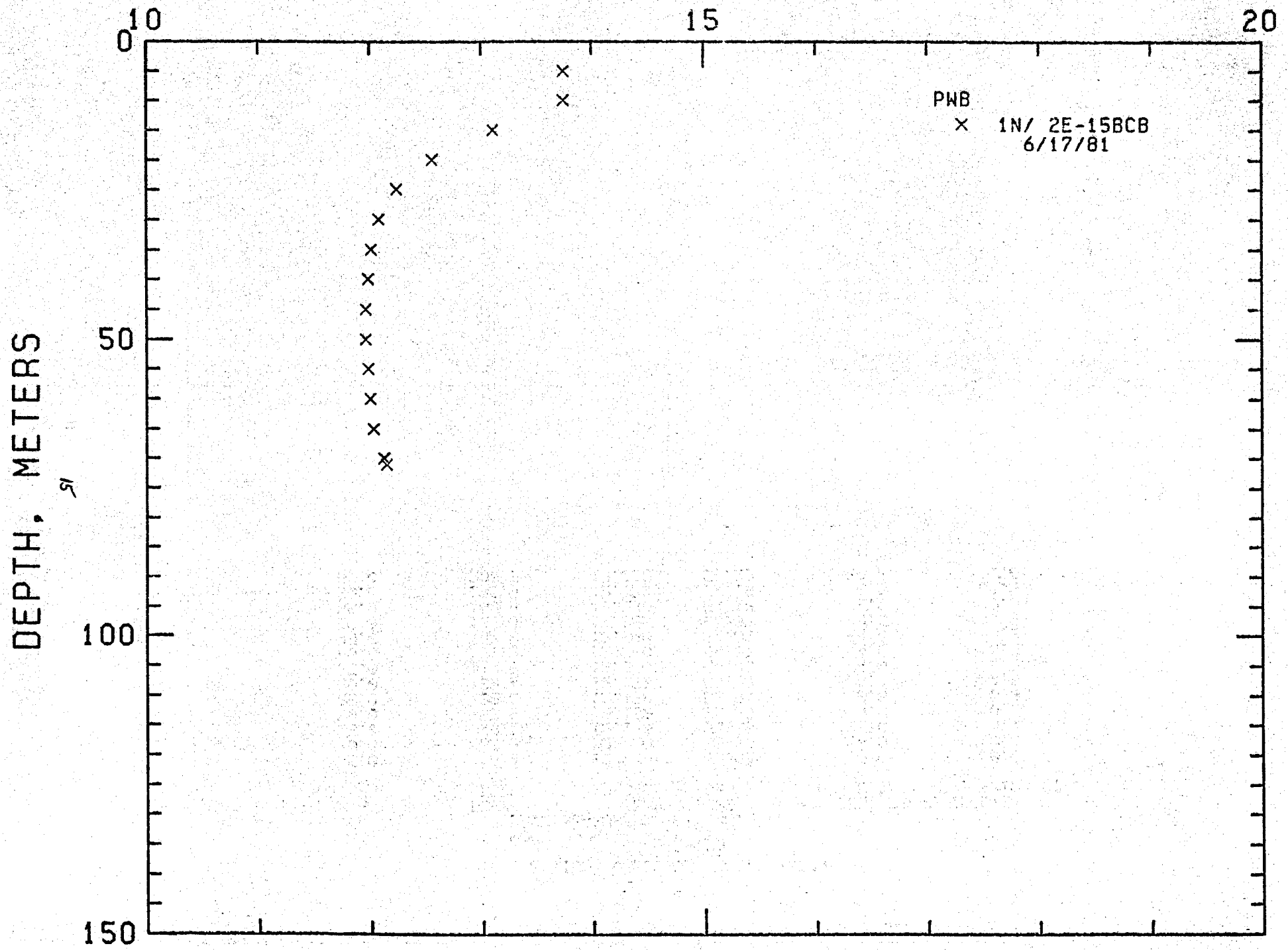
LOCATION: VANCOUVER AMS, OREGON
1N/ 2E-15BCB

HOLE NAME: PWB
DATE MEASURED: 6/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	13.750	56.75	0.0	0.0
10.0	32.8	13.750	56.75	0.0	0.0
15.0	49.2	13.110	55.60	-128.0	-7.0
20.0	65.6	12.560	54.61	-110.0	-6.0
25.0	82.0	12.240	54.03	-64.0	-3.5
30.0	98.4	12.080	53.74	-32.0	-1.8
35.0	114.8	12.010	53.62	-14.0	-0.8
40.0	131.2	11.980	53.56	-6.0	-0.3
45.0	147.6	11.960	53.53	-4.0	-0.2
50.0	164.0	11.960	53.53	0.0	0.0
55.0	180.4	11.980	53.56	0.0	0.0
60.0	196.8	12.000	53.60	4.0	0.2
65.0	213.2	12.030	53.65	4.0	0.2
70.0	229.6	12.120	53.82	6.0	0.3
71.0	232.9	12.140	53.85	18.0	1.0
				20.0	1.1

HI

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

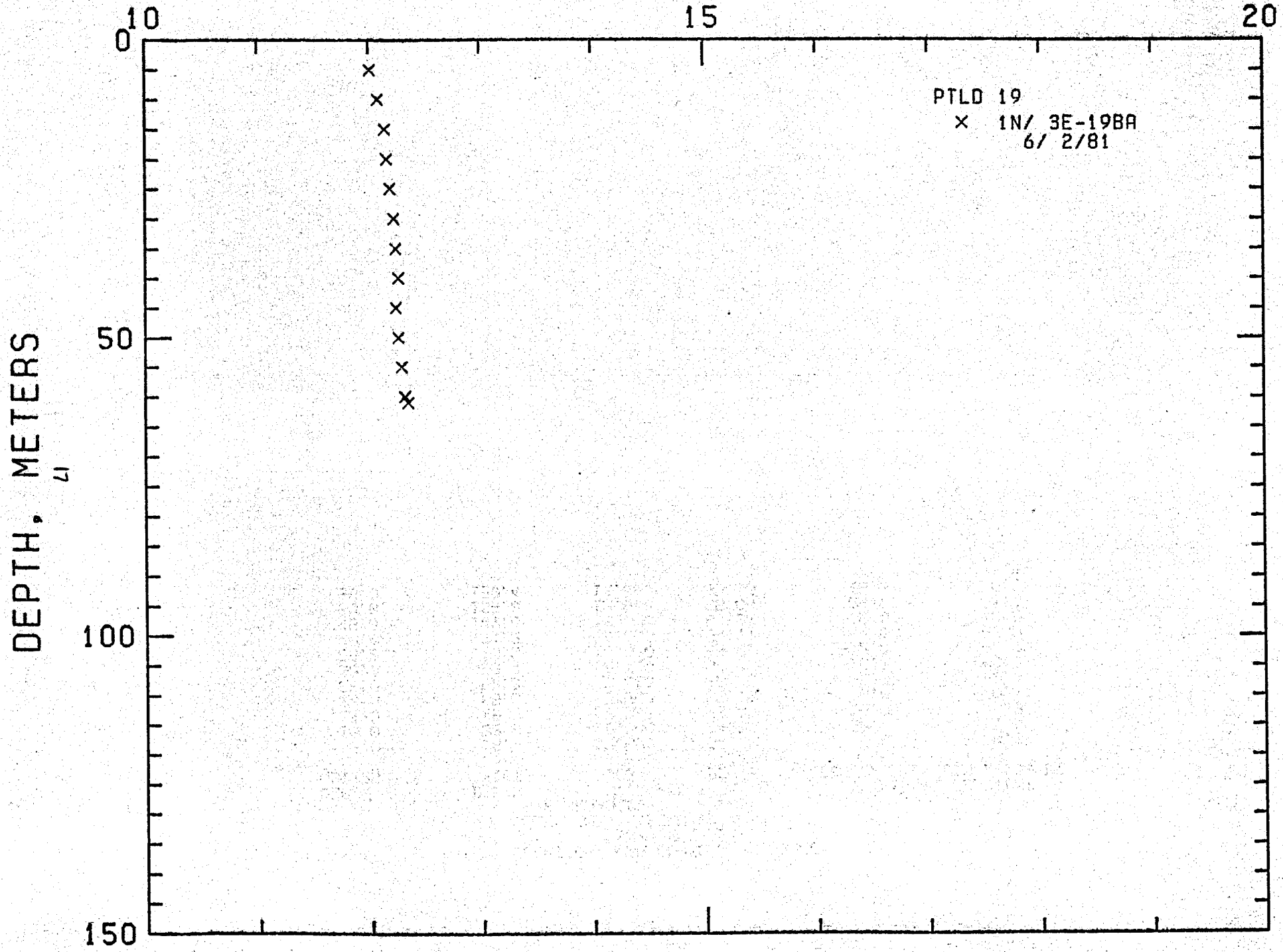
1N/ 3E-198A

HOLE NAME: PTLD 19

DATE MEASURED: 6/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	12.010	53.62	0.0	0.0
10.0	32.8	12.080	53.74	14.0	0.0
15.0	49.2	12.140	53.85	12.0	0.0
20.0	65.6	12.160	53.89	4.0	0.0
25.0	82.0	12.190	53.94	6.0	0.0
30.0	98.4	12.220	54.00	6.0	0.0
35.0	114.8	12.240	54.03	4.0	0.0
40.0	131.2	12.260	54.07	4.0	0.0
45.0	147.6	12.240	54.03	4.0	0.0
50.0	164.0	12.260	54.07	4.0	0.0
55.0	180.4	12.290	54.12	6.0	0.0
60.0	196.8	12.320	54.18	6.0	0.0
61.0	200.1	12.350	54.23	30.0	1.0

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

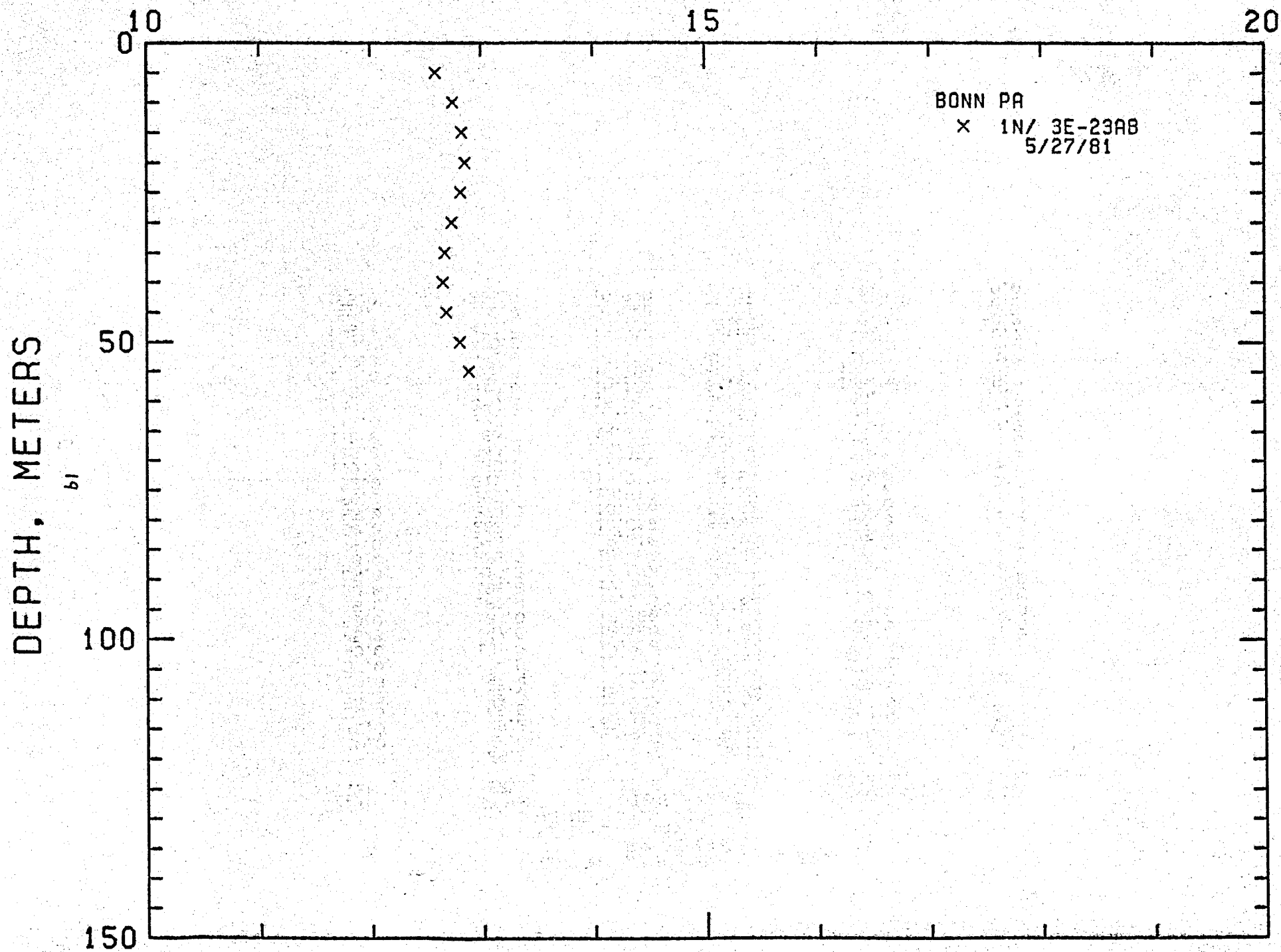
1N/ 3E-23AB

HOLE NAME: BONN PA

DATE MEASURED: 5/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	12.590	54.66	0.0	0.0
10.0	32.8	12.740	54.93	30.0	1.66
15.0	49.2	12.820	55.08	16.0	0.99
20.0	65.6	12.850	55.13	6.0	0.33
25.0	82.0	12.810	55.06	-8.0	-0.44
30.0	98.4	12.730	54.91	-16.0	-0.99
35.0	114.8	12.670	54.81	-12.0	-0.74
40.0	131.2	12.650	54.77	-4.0	-0.22
45.0	147.6	12.680	54.82	6.0	0.33
50.0	164.0	12.800	55.04	24.0	1.33
55.0	180.4	12.880	55.18	16.0	0.99

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

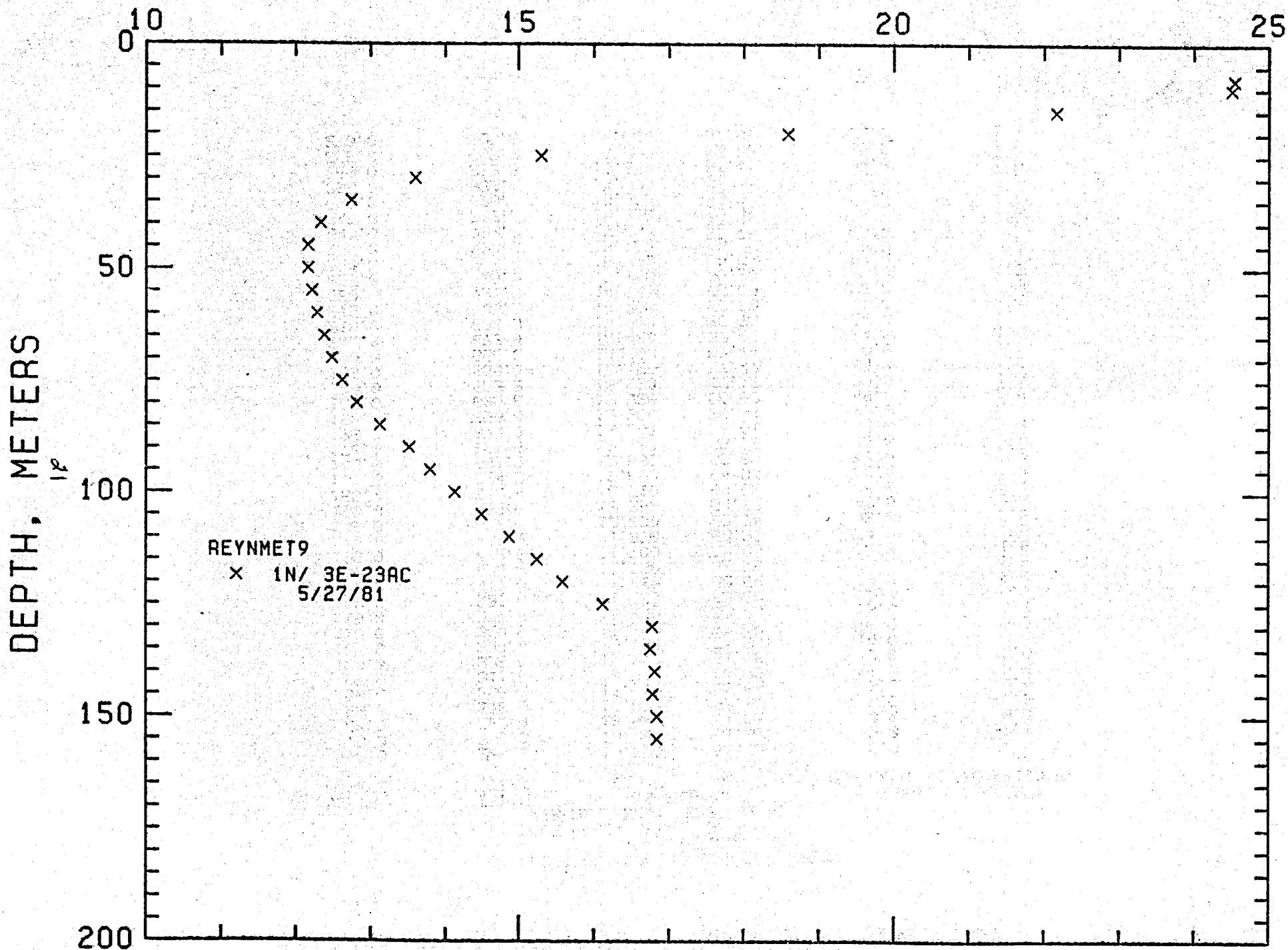
1N/ 3E-23AC

HOLE NAME: REYNMET9

DATE MEASURED: 5/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
0.0	26.2	24.540	76.17	0.0	0.0
10.0	32.8	24.500	76.10	-20.0	-1.1
15.0	49.2	22.160	71.89	-468.0	-21.1
20.0	65.6	18.590	65.46	-714.0	-25.7
25.0	82.0	15.300	59.54	-658.0	-39.2
30.0	98.4	13.600	56.48	-340.0	-36.1
35.0	114.8	12.740	54.93	-172.0	-18.7
40.0	131.2	12.330	54.19	-82.0	-9.4
45.0	147.6	12.160	53.89	-34.0	-4.5
50.0	164.0	12.160	53.89	0.0	0.0
55.0	180.4	12.210	53.98	10.0	0.5
60.0	196.8	12.280	54.10	14.0	0.8
65.0	213.2	12.370	54.27	14.0	0.8
70.0	229.6	12.480	54.46	18.0	1.0
75.0	246.0	12.610	54.70	22.0	1.2
80.0	262.4	12.810	55.06	26.0	1.4
85.0	278.8	13.120	55.62	32.0	1.7
90.0	295.2	13.510	56.32	38.0	2.1
95.0	311.6	13.800	56.84	44.0	2.4
100.0	328.0	14.130	57.43	50.0	2.7
105.0	344.4	14.490	58.08	56.0	3.0
110.0	360.8	14.870	59.07	62.0	3.3
115.0	377.2	15.240	59.43	68.0	3.6
120.0	393.6	15.580	60.04	74.0	3.9
125.0	410.0	15.120	61.02	80.0	4.2
130.0	426.4	16.780	62.20	86.0	4.5
135.0	442.8	16.750	62.15	92.0	4.8
140.0	459.2	16.810	62.26	98.0	5.1
145.0	475.6	16.790	62.22	104.0	5.4
150.0	492.0	16.840	62.31	110.0	5.7
155.0	508.4	16.840	62.31	116.0	6.0

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

1N/ 3E-31CDD

HOLE NAME: PTLD 31

DATE MEASURED: 6/28/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
70.0	229.6	10.850	51.53	0.0	0.0
75.0	246.0	10.840	51.51	-2.0	-0.1
80.0	262.4	10.840	51.51	0.0	0.0
85.0	278.8	10.870	51.57	0.0	0.0
90.0	295.2	10.910	51.64	0.0	0.0
95.0	311.6	10.960	51.73	0.0	0.0
100.0	328.0	11.010	51.82	10.0	5.4
105.0	344.4	11.080	51.94	10.0	5.4
110.0	360.8	11.160	52.09	14.0	7.7
115.0	377.2	11.240	52.23	16.0	8.9
120.0	393.6	11.320	52.38	16.0	8.9
125.0	410.0	11.410	52.54	16.0	8.9
130.0	426.4	11.550	52.79	18.0	10.1
135.0	442.8	11.700	53.06	20.0	11.3
140.0	459.2	11.870	53.37	30.0	16.7
145.0	475.6	12.060	53.74	34.0	18.9
150.0	492.0	12.290	54.12	42.0	23.1
155.0	508.4	12.510	54.55	44.0	24.3
160.0	524.8	12.690	54.94	44.0	24.3
165.0	541.2	12.890	55.20	36.0	18.9
170.0	557.6	13.120	55.62	40.0	21.1
175.0	574.0	13.340	56.01	46.0	23.3
180.0	590.4	13.580	56.44	44.0	21.1
185.0	606.8	13.820	56.88	48.0	23.3
190.0	623.2	13.980	57.16	48.0	23.3
195.0	639.6	14.150	57.47	32.0	17.9
200.0	656.0	14.300	57.74	34.0	18.9
205.0	672.4	14.420	57.96	36.0	20.1
210.0	688.8	14.590	58.26	24.0	13.3
215.0	705.2	14.780	58.60	24.0	13.3
220.0	721.6	14.940	58.99	38.0	21.1
225.0	738.0	15.110	59.20	32.0	17.9
230.0	754.4	15.300	59.54	34.0	18.9
235.0	770.8	15.480	59.86	38.0	21.1
240.0	787.2	15.650	60.17	36.0	20.1
245.0	803.6	15.820	60.48	34.0	18.9
250.0	820.0	15.990	60.78	34.0	18.9
255.0	836.4	16.170	61.11	36.0	20.1
260.0	852.8	16.340	61.41	34.0	18.9
265.0	869.2	16.500	61.70	32.0	17.9
270.0	885.6	16.660	61.99	32.0	17.9

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LOCATION: VANCOUVER AMS, OREGON

PAGE 2

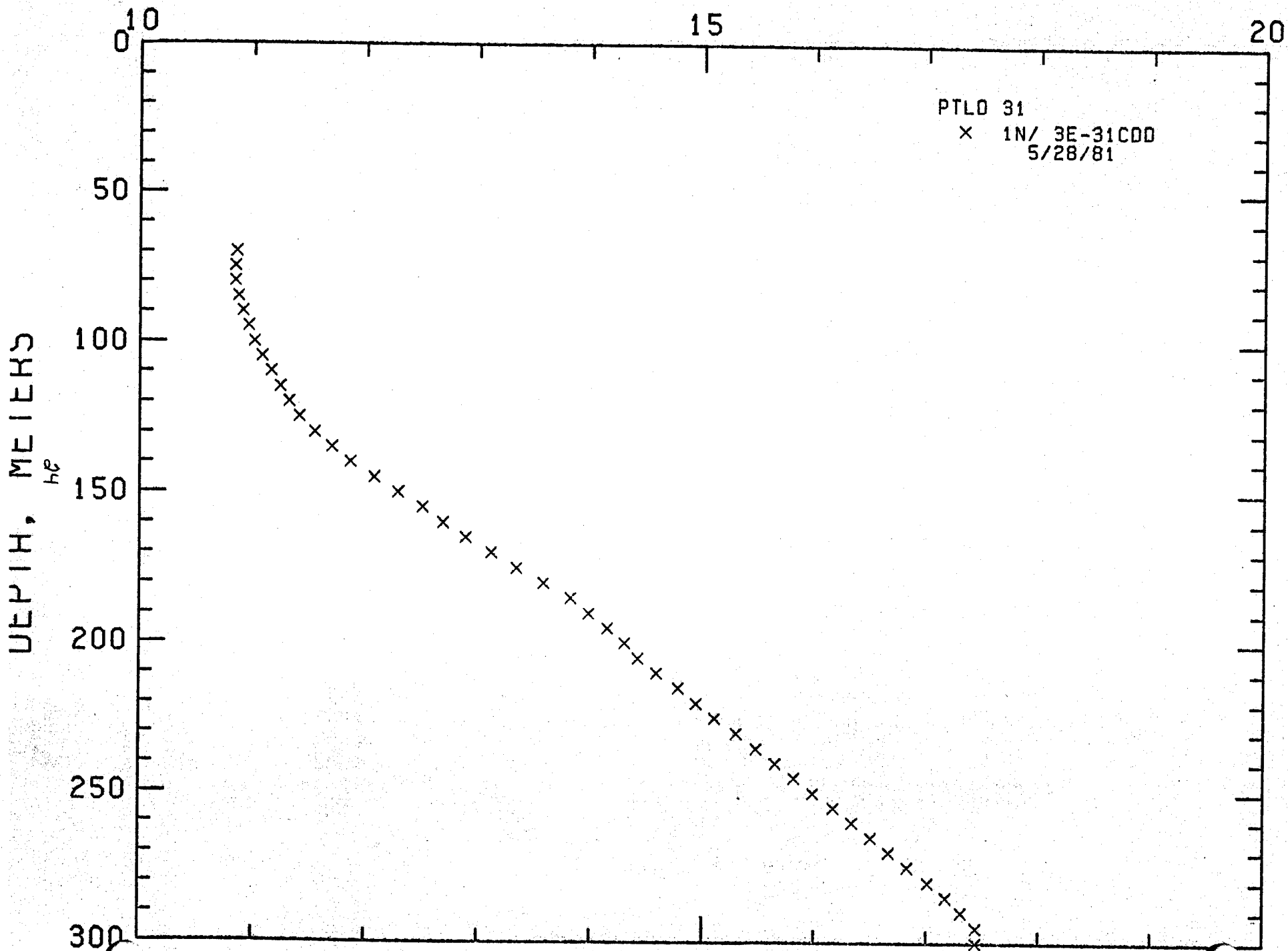
1N/ 3E-31CDD

HOLE NAME: PTLD 31

DATE MEASURED: 5/28/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
275.0	902.0	16.830	62.29	34.0	1.9
280.0	918.4	17.010	62.62	36.0	2.0
285.0	934.8	17.170	62.91	32.0	1.8
290.0	951.2	17.310	63.16	28.0	1.5
295.0	967.6	17.440	63.39	26.0	1.4
300.0	984.0	17.440	63.39	0.0	0.0

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

1N/ 3E-33AD

HOLE NAME: PTLD 33

DATE MEASURED: 6/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
55.0	180.4	11.950	53.51	0.0	0.0
60.0	196.8	12.030	53.65	16.0	0.0
65.0	213.2	12.060	53.71	6.0	0.0
70.0	229.6	12.110	53.80	10.0	0.0
75.0	246.0	12.160	53.89	10.0	0.0
80.0	262.4	12.230	54.01	14.0	0.0
85.0	278.8	12.310	54.16	16.0	0.0
90.0	295.2	12.390	54.30	16.0	0.0
95.0	311.6	12.490	54.48	20.0	1.1
100.0	328.0	12.590	54.66	20.0	1.1
105.0	344.4	12.740	54.93	30.0	1.1
110.0	360.8	12.890	55.20	30.0	1.1
115.0	377.2	12.970	55.35	16.0	0.0
120.0	393.6	13.110	55.60	20.0	1.1
125.0	410.0	13.220	55.80	20.0	1.1
130.0	426.4	13.320	55.98	20.0	1.1
135.0	442.8	13.450	56.21	20.0	1.1
140.0	459.2	13.600	56.48	30.0	1.4
145.0	475.6	13.820	56.88	44.0	1.6
150.0	492.0	14.030	57.25	40.0	1.4
155.0	508.4	14.160	57.49	20.0	1.1
160.0	524.8	14.340	57.81	20.0	1.1
165.0	541.2	14.690	58.44	20.0	1.1
170.0	557.6	14.690	58.44	20.0	1.1
175.0	574.0	14.680	58.43	20.0	1.1
180.0	590.4	15.210	59.38	20.0	1.1
190.0	623.2	15.470	59.85	20.0	1.1
195.0	639.6	15.680	60.22	40.0	1.4
200.0	656.0	15.880	60.58	40.0	1.4
205.0	672.4	16.080	60.94	40.0	1.4
210.0	688.8	16.300	61.34	44.0	1.4
215.0	705.2	16.620	61.92	64.0	1.6
220.0	721.6	16.840	62.31	44.0	1.4
225.0	738.0	17.080	62.74	40.0	1.1
230.0	754.4	17.290	63.12	40.0	1.1
235.0	770.8	17.490	63.48	40.0	1.1
240.0	787.2	17.690	63.73	20.0	1.1
245.0	803.6	17.840	64.11	20.0	1.1
250.0	820.0	18.030	64.45	20.0	1.1
255.0	836.4	18.220	64.80	20.0	1.1
260.0	852.8	18.400	65.12	20.0	1.1

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LOCATION: VANCOUVER AMS, OREGON

PAGE 2

1N/ 3E-33AD

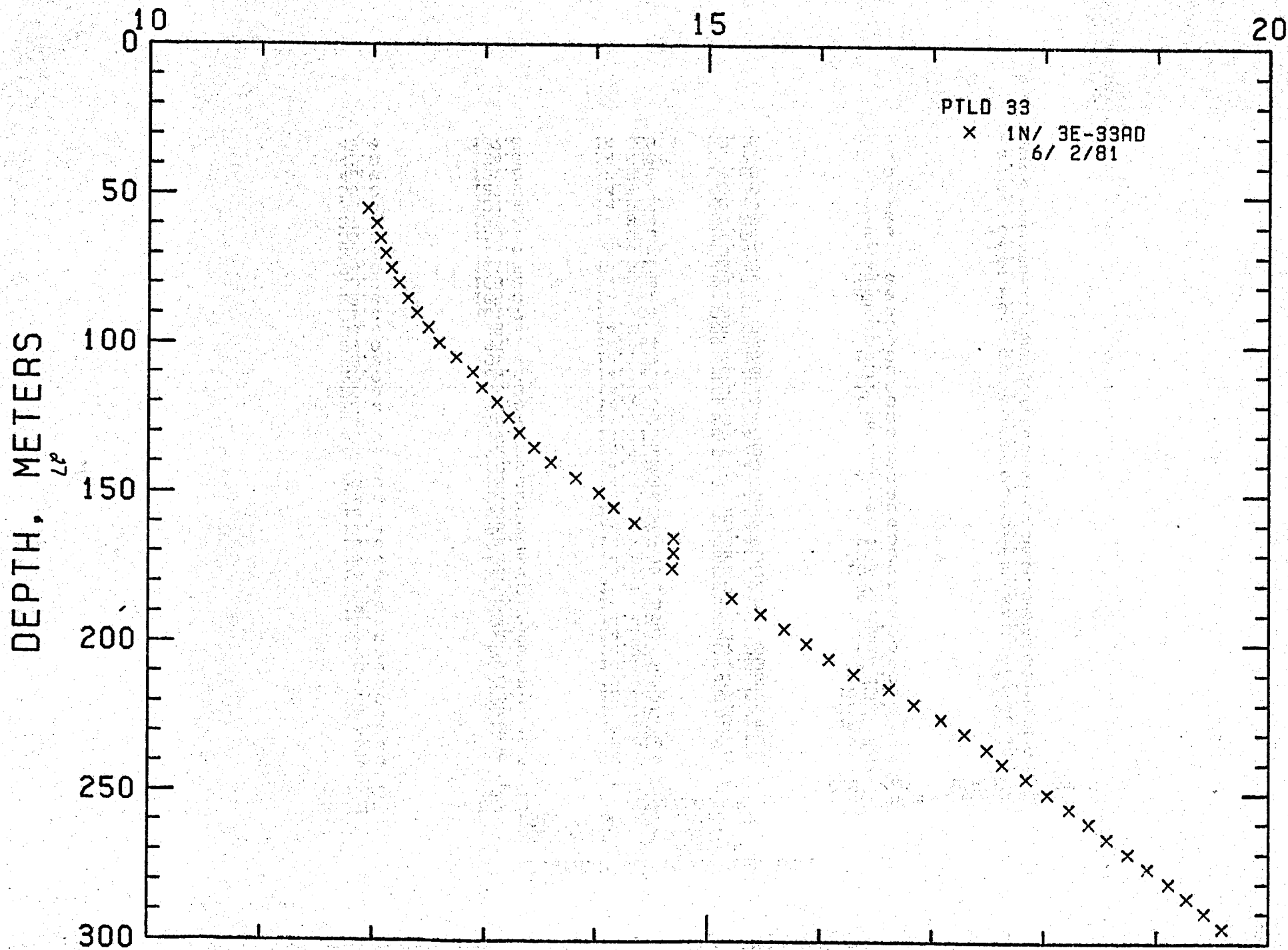
HOLE NAME: PTLD 33

DATE MEASURED: 6/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
265.0	869.2	18.560	65.41	32.0	1.8
270.0	885.6	18.750	65.75	38.0	2.1
275.0	902.0	18.920	66.06	34.0	1.9
280.0	918.4	19.110	66.40	38.0	2.1
285.0	934.8	19.270	66.69	32.0	1.8
290.0	951.2	19.420	66.96	30.0	1.6
295.0	967.6	19.580	67.24	32.0	1.8

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TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, ORE.

1N/ 4E-27ADC

HOLE NAME: CORBETT

DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	8.240	46.83	0.0	0.0
3.0	9.8	9.019	48.23	779.0	42.8
4.0	13.1	10.820	51.48	1801.0	98.8
5.0	16.4	12.100	53.78	1280.0	70.2
6.0	19.7	13.123	55.62	1023.0	56.1
7.0	23.0	13.975	57.15	852.0	46.8
8.0	26.2	14.186	57.53	211.0	11.6
9.0	29.5	14.274	57.69	88.0	4.8
10.0	32.8	14.340	57.81	66.0	3.6
11.0	36.1	14.416	57.95	76.0	4.2
12.0	39.4	14.498	58.10	82.0	4.5
13.0	42.6	14.579	58.24	81.0	4.4
14.0	45.9	14.685	58.43	106.0	5.8
15.0	49.2	14.662	58.39	-23.0	-1.2
16.0	52.5	14.691	58.44	29.0	1.6
17.0	55.8	14.699	58.46	0.0	0.0
18.0	59.1	14.699	58.46	0.0	0.0
19.0	62.4	14.700	58.46	1.0	0.1
20.0	65.7	14.705	58.47	5.0	0.3
21.0	69.0	14.708	58.47	3.0	0.2
22.0	72.3	14.712	58.48	4.0	0.2
23.0	75.6	14.718	58.49	6.0	0.3
24.0	78.9	14.733	58.52	15.0	0.8
25.0	82.2	14.749	58.55	16.0	0.9
26.0	85.5	14.746	58.54	-3.0	-0.2
27.0	88.8	14.748	58.55	2.0	0.1
28.0	92.1	14.758	58.56	10.0	0.5
29.0	95.4	14.764	58.58	6.0	0.3
30.0	98.7	14.764	58.58	5.0	0.3
31.0	102.0	14.769	58.59	5.0	0.3
32.0	105.3	14.791	58.62	22.0	1.2
33.0	108.6	14.829	58.69	38.0	2.1
34.0	111.9	14.825	58.68	38.0	2.1
35.0	114.8	14.818	58.67	-4.0	-0.2
36.0	118.1	14.813	58.66	-5.0	-0.3
37.0	121.4	14.824	58.68	11.0	0.6
38.0	124.7	14.825	58.68	1.0	0.1
39.0	127.9	14.825	58.68	0.0	0.0
40.0	131.2	14.825	58.68	0.0	0.0
41.0	134.5	14.840	58.71	15.0	0.8
42.0	137.8	14.869	58.76	29.0	1.6

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LOCATION: VANCOUVER AMS, ORE.

PAGE 2

HOLE NAME: CORBETT

DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	14.916	58.85	47.0	2.6
44.0	144.3	14.999	59.00	43.0	4.4
45.0	147.6	15.048	59.09	49.0	2.7
46.0	150.9	15.130	59.23	42.0	4.4
47.0	154.2	15.236	59.42	106.0	5.5
48.0	157.4	15.331	59.60	95.0	5.2
49.0	160.7	15.459	59.83	128.0	2.2
50.0	164.0	15.589	60.06	130.0	7.1
51.0	167.3	15.715	60.29	126.0	7.1
52.0	170.6	15.823	60.48	108.0	5.9
53.0	173.8	15.918	60.65	95.0	5.7
54.0	177.1	16.000	60.80	82.0	4.5
55.0	180.4	16.096	60.97	96.0	5.5
56.0	183.7	16.188	61.14	92.0	5.5
57.0	187.0	16.289	61.32	101.0	5.5
58.0	190.2	16.373	61.47	84.0	4.6
59.0	193.5	16.429	61.57	56.0	4.4
60.0	196.8	16.498	61.70	69.0	4.4
61.0	200.1	16.561	61.81	63.0	5.5
62.0	203.4	16.635	61.94	74.0	4.1
63.0	206.6	16.707	62.07	72.0	4.4
64.0	209.9	16.796	62.23	88.0	4.4
65.0	213.2	16.854	62.34	58.0	4.4
66.0	216.5	16.909	62.44	58.0	4.4
67.0	219.8	16.975	62.56	66.0	4.4
68.0	223.0	17.043	62.68	66.0	4.4
69.0	226.3	17.100	62.78	57.0	4.4
70.0	229.6	17.160	62.89	60.0	4.4
71.0	232.9	17.221	62.99	61.0	4.4
72.0	236.2	17.276	63.10	58.0	4.4
73.0	239.4	17.351	63.23	77.0	4.4
74.0	242.7	17.395	63.31	44.0	4.4
75.0	246.0	17.440	63.39	45.0	4.4
76.0	249.3	17.493	63.49	53.0	4.4
77.0	252.6	17.515	63.53	22.0	4.4
78.0	255.8	17.543	63.58	28.0	4.4
79.0	259.1	17.570	63.63	27.0	4.4
80.0	262.4	17.600	63.68	30.0	4.4
81.0	265.7	17.634	63.74	34.0	4.4
82.0	269.0	17.664	63.80	38.0	4.4
83.0	272.2	17.701	63.86	37.0	4.4

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LOCATION: VANCOUVER AMS, ORE.

PAGE 3

1N/ 4E-27ADC

HOLE NAME: CORBETT

DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	17.723	63.90	22.0	1.22
85.0	278.0	17.744	63.94	21.0	1.22
86.0	282.1	17.751	63.95	7.0	0.44
87.0	285.4	17.766	63.98	15.0	0.85
88.0	288.6	17.778	64.00	12.0	0.70
89.0	291.9	17.791	64.02	13.0	0.77
90.0	295.2	17.808	64.05	17.0	0.95
91.0	298.5	17.829	64.09	21.0	1.11
92.0	301.8	17.862	64.15	23.0	1.18
93.0	305.0	17.894	64.21	22.0	1.18
94.0	308.3	17.950	64.31	26.0	1.31
95.0	311.6	17.986	64.37	36.0	1.99
96.0	314.9	18.021	64.44	35.0	1.95
97.0	318.2	18.058	64.50	37.0	2.09
98.0	321.4	18.108	64.59	38.0	2.17
99.0	324.7	18.137	64.65	39.0	2.22
100.0	328.0	18.174	64.71	37.0	2.09
101.0	331.3	18.219	64.79	45.0	2.50
102.0	334.6	18.254	64.86	35.0	2.09
103.0	337.8	18.288	64.92	34.0	2.05
104.0	341.1	18.313	64.96	25.0	1.59
105.0	344.4	18.328	64.99	15.0	0.85
106.0	347.7	18.368	65.06	40.0	2.22
107.0	351.0	18.412	65.14	44.0	2.44
108.0	354.2	18.433	65.18	21.0	1.22
109.0	357.5	18.440	65.19	7.0	0.44
110.0	360.8	18.471	65.25	31.0	1.77
111.0	364.1	18.498	65.30	27.0	1.59
112.0	367.4	18.533	65.36	35.0	2.05
113.0	370.6	18.568	65.42	35.0	2.05
114.0	373.9	18.600	65.48	32.0	1.85
115.0	377.2	18.635	65.54	35.0	2.05
116.0	380.5	18.662	65.59	35.0	2.05
117.0	383.8	18.683	65.63	27.0	1.59
118.0	387.0	18.699	65.66	21.0	1.22
119.0	390.3	18.714	65.69	16.0	0.85
120.0	393.6	18.728	65.71	15.0	0.85
121.0	396.9	18.739	65.73	11.0	0.59
122.0	400.2	18.748	65.75	9.0	0.44
123.0	403.4	18.754	65.76	6.0	0.33
124.0	406.7	18.759	65.77	5.0	0.33

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LOCATION: VANCOUVER AMS, ORE.

PAGE 4

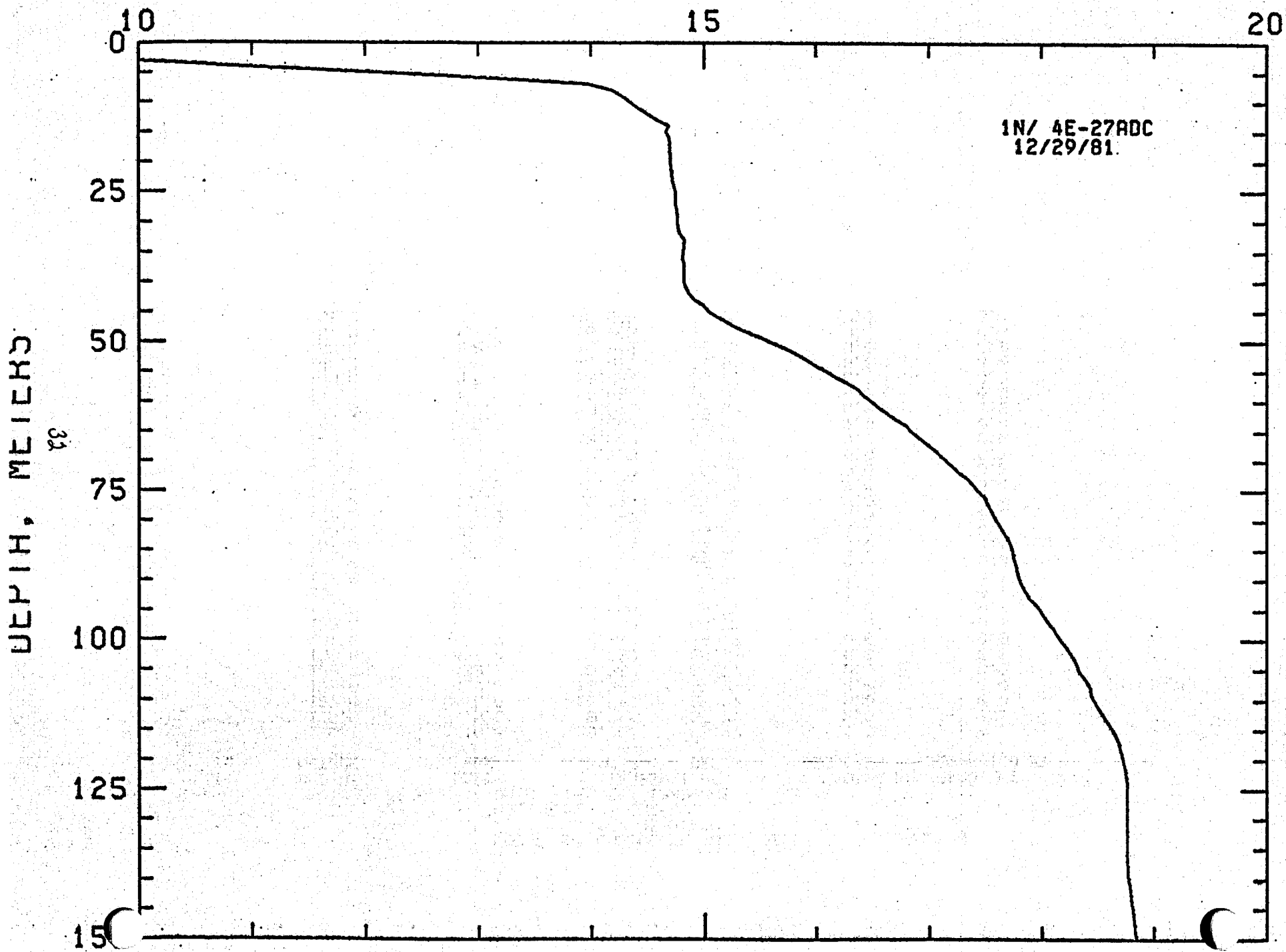
1N/ 4E-27ADC

HOLE NAME: CORBETT

DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	18.760	65.77	1.0	0.1
126.0	413.3	18.762	65.77	2.0	0.1
127.0	416.6	18.762	65.77	0.0	0.0
128.0	419.8	18.762	65.77	0.0	0.0
129.0	423.1	18.762	65.77	0.0	0.0
130.0	426.4	18.762	65.77	0.0	0.0
131.0	429.7	18.762	65.77	0.0	0.0
132.0	433.0	18.760	65.77	-2.0	-0.1
133.0	436.2	18.760	65.77	0.0	0.0
134.0	439.5	18.759	65.77	-1.0	-0.1
135.0	442.8	18.760	65.77	1.0	0.1
136.0	446.1	18.760	65.77	0.0	0.0
137.0	449.4	18.762	65.77	2.0	0.1
138.0	452.6	18.763	65.77	1.0	0.1
139.0	455.9	18.767	65.78	4.0	0.2
140.0	459.2	18.774	65.79	7.0	0.4
141.0	462.5	18.781	65.81	7.0	0.4
142.0	465.8	18.787	65.82	6.0	0.3
143.0	469.0	18.793	65.83	6.0	0.3
144.0	472.3	18.802	65.84	9.0	0.5
145.0	475.6	18.809	65.86	7.0	0.4
146.0	478.9	18.815	65.87	6.0	0.3
147.0	482.2	18.824	65.88	9.0	0.5
148.0	485.4	18.829	65.89	5.0	0.3
149.0	488.7	18.837	65.91	8.0	0.4
150.0	492.0	18.846	65.92	9.0	0.5
151.0	495.3	18.855	65.94	9.0	0.5
152.0	498.6	18.862	65.95	7.0	0.4

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

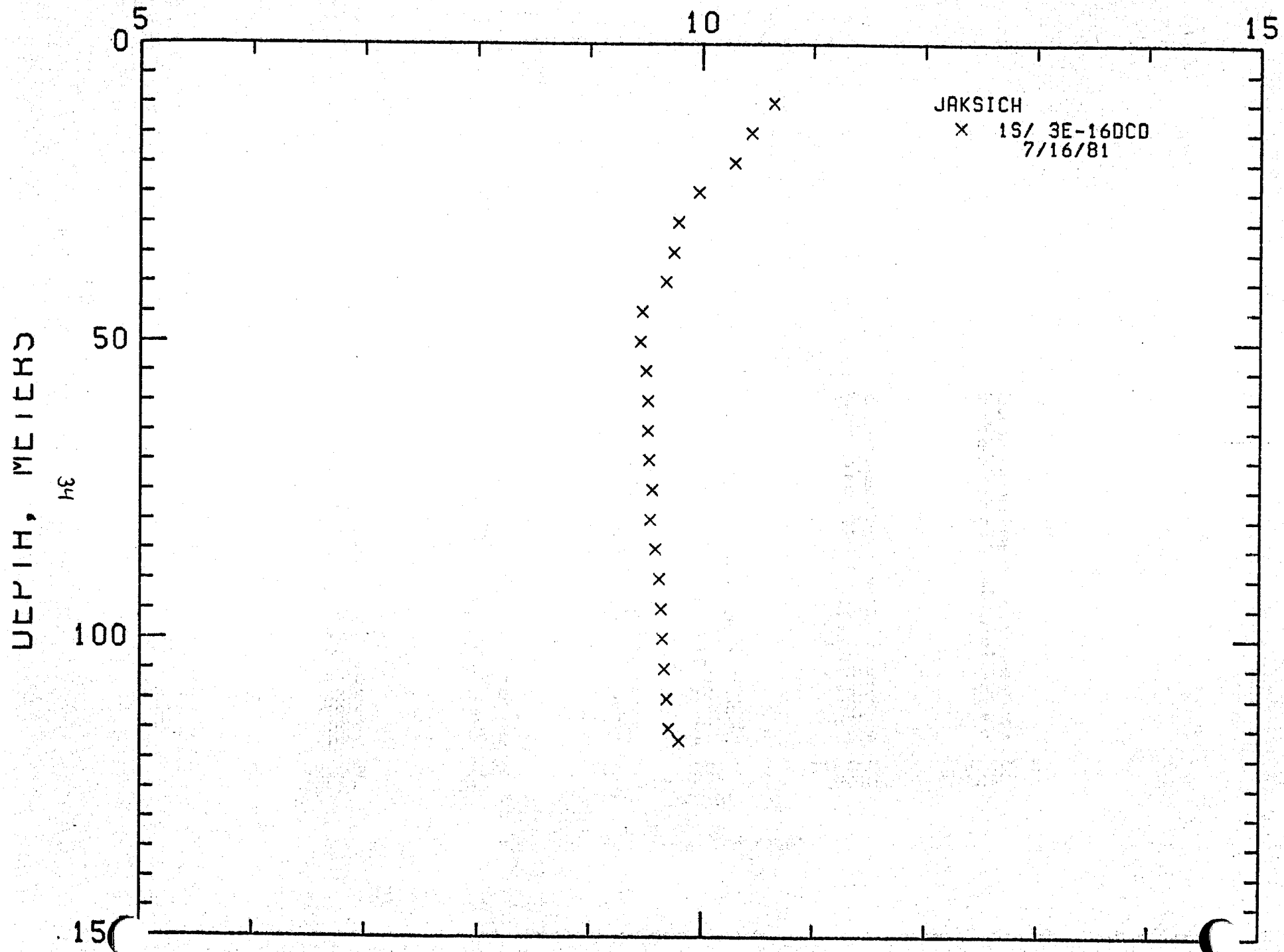
1S/ 3E-16CD

HOLE NAME: JAKSICH

DATE MEASURED: 7/16/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.640	51.15	0.0	0.0
15.0	49.2	10.440	50.79	-40.0	1.0
20.0	65.6	10.290	50.52	-30.0	1.1
25.0	82.0	9.970	49.95	-64.0	1.1
30.0	98.4	9.790	49.62	-35.0	1.0
35.0	114.8	9.750	49.55	-8.0	1.0
40.0	131.2	9.690	49.46	-14.0	1.0
45.0	147.6	9.470	49.05	-42.0	1.0
50.0	164.0	9.450	49.01	-4.0	1.0
55.0	180.4	9.500	49.10	10.0	1.0
60.0	196.8	9.520	49.14	4.0	1.0
65.0	213.2	9.530	49.14	0.0	1.0
70.0	229.6	9.530	49.15	2.0	1.0
75.0	246.0	9.530	49.21	6.0	1.0
80.0	262.4	9.540	49.17	-4.0	1.0
85.0	278.8	9.590	49.26	10.0	1.0
90.0	295.2	9.620	49.32	6.0	1.0
95.0	311.6	9.640	49.35	4.0	1.0
100.0	328.0	9.650	49.37	2.0	1.0
105.0	344.4	9.670	49.41	4.0	1.0
110.0	360.8	9.690	49.44	4.0	1.0
115.0	377.2	9.710	49.48	4.0	1.0
117.0	383.8	9.800	49.64	45.0	1.0

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

1S/ 4E- 1ACB

HOLE NAME: HOWARD-4

DATE MEASURED: 10/30/81

DEPTH
METERS

DEPTH
FEET

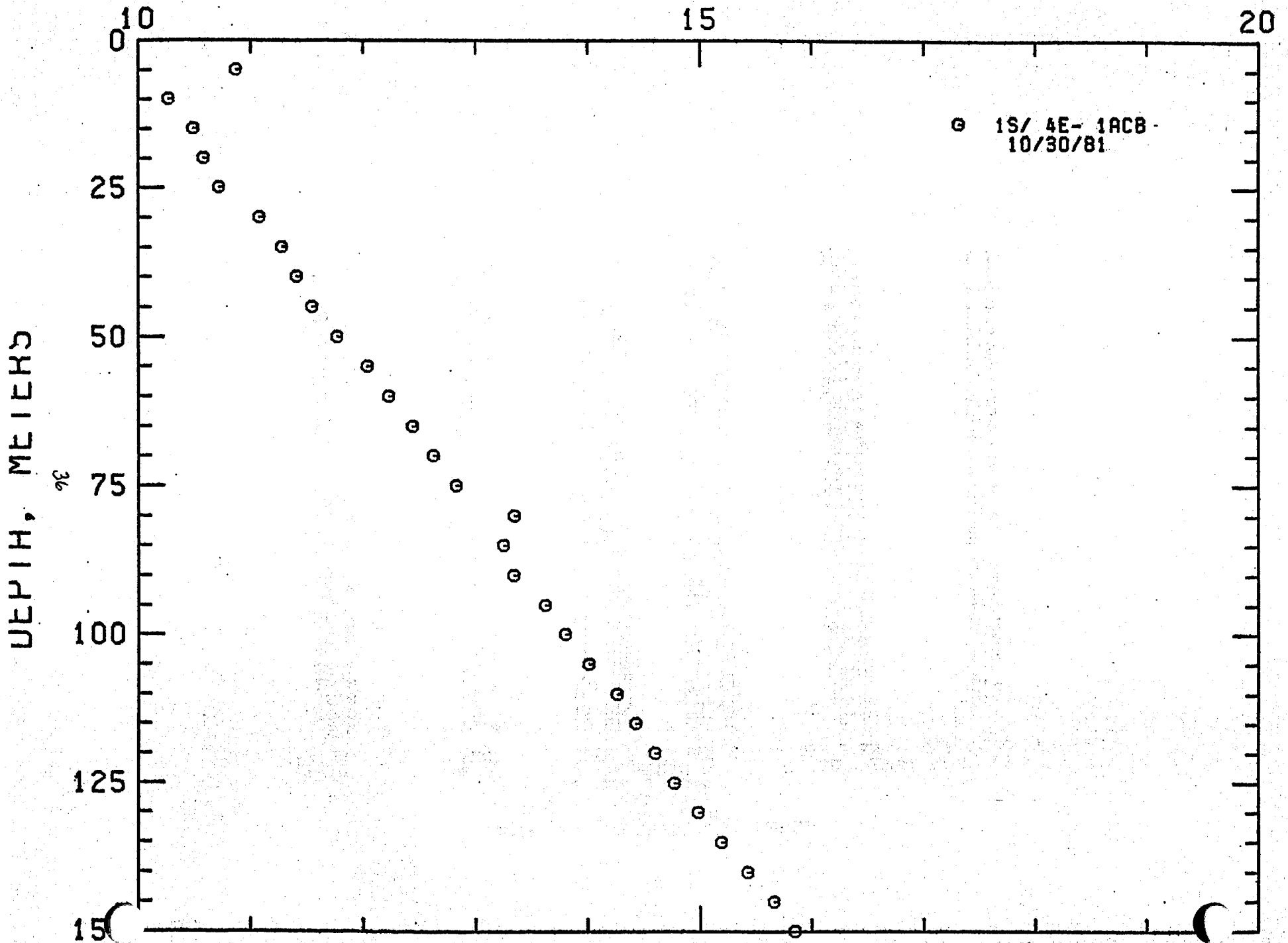
TEMPERATURE
DEG C DEG F

GEO THERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEO THERMAL GRADIENT DEG C/KM	GEO THERMAL GRADIENT DEG F/100 FT
5.0	16.4	10.870	51.57	0.0	0.0
10.0	32.8	10.270	50.49	-120.00	0.0
15.0	49.2	10.490	50.88	44.00	2.40
20.0	65.6	10.580	51.04	18.00	1.00
25.0	82.0	10.720	51.30	20.00	1.10
30.0	98.4	11.080	51.94	20.00	1.10
35.0	114.8	11.280	52.30	20.00	1.10
40.0	131.2	11.410	52.54	20.00	1.10
45.0	147.6	11.550	52.79	20.00	1.10
50.0	164.0	11.770	53.19	20.00	1.10
55.0	180.4	12.040	53.67	20.00	1.10
60.0	196.8	12.230	54.01	20.00	1.10
65.0	213.2	12.440	54.39	20.00	1.10
70.0	229.6	12.620	54.73	20.00	1.10
75.0	246.0	12.830	55.10	20.00	1.10
80.0	262.4	13.050	55.49	20.00	1.10
85.0	278.8	13.250	55.85	20.00	1.10
90.0	295.2	13.340	56.01	20.00	1.10
95.0	311.6	13.620	56.52	20.00	1.10
100.0	328.0	13.800	56.84	20.00	1.10
105.0	344.4	14.010	57.22	20.00	1.10
110.0	360.8	14.260	57.67	20.00	1.10
115.0	377.2	14.430	57.97	20.00	1.10
120.0	393.6	14.600	58.28	20.00	1.10
125.0	410.0	14.770	58.59	20.00	1.10
130.0	426.4	14.980	58.96	20.00	1.10
135.0	442.8	15.190	59.34	20.00	1.10
140.0	459.2	15.420	59.78	20.00	1.10
145.0	475.6	15.660	60.19	20.00	1.10
150.0	492.0	15.850	60.53	20.00	1.10
155.0	508.4	15.910	60.64	20.00	1.10

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TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, ORE.

1S/ 4E- 1BCA

HOLE NAME: HOWARD 1

DATE MEASURED: 1/ 4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	4.565	40.22	0.0	0.0
3.0	9.8	4.667	40.40	102.0	3.2
4.0	13.1	4.798	40.64	131.0	4.0
5.0	16.4	4.946	40.90	148.0	4.5
6.0	19.7	5.117	41.21	171.0	4.8
7.0	23.0	5.304	41.55	197.0	5.4
8.0	26.2	5.515	41.93	211.0	6.1
9.0	29.5	5.737	42.33	222.0	6.6
10.0	32.8	5.964	42.74	227.0	6.9
11.0	36.1	6.199	43.16	235.0	7.1
12.0	39.4	6.429	43.57	239.0	7.3
13.0	42.7	6.656	43.98	247.0	7.5
14.0	46.0	6.872	44.37	256.0	7.7
15.0	49.3	7.089	44.76	267.0	8.0
16.0	52.6	7.290	45.12	271.0	8.1
17.0	55.9	7.484	45.47	281.0	8.3
18.0	59.2	7.667	45.80	294.0	8.5
19.0	62.5	7.839	46.11	303.0	8.6
20.0	65.8	8.000	46.40	316.0	8.8
21.0	69.1	8.147	46.66	327.0	9.0
22.0	72.4	8.287	46.92	340.0	9.2
23.0	75.7	8.418	47.15	351.0	9.4
24.0	79.0	8.543	47.38	365.0	9.6
25.0	82.3	8.657	47.58	377.0	9.7
26.0	85.6	8.767	47.78	389.0	9.8
27.0	88.9	8.875	47.98	403.0	10.0
28.0	92.2	8.973	48.15	417.0	10.2
29.0	95.5	9.070	48.33	431.0	10.4
30.0	98.8	9.166	48.50	446.0	10.6
31.0	102.1	9.258	48.66	461.0	10.8
32.0	105.4	9.350	48.83	477.0	11.0
33.0	108.7	9.439	48.99	493.0	11.2
34.0	112.0	9.526	49.15	509.0	11.4
35.0	115.3	9.609	49.30	525.0	11.6
36.0	118.6	9.690	49.44	541.0	11.8
37.0	121.9	11.005	51.81	1315.0	40.0
38.0	125.2	11.045	51.88	40.0	1.1
39.0	128.5	11.073	51.93	40.0	1.1
40.0	131.8	11.111	52.00	40.0	1.1
41.0	135.1	11.151	52.07	40.0	1.1
42.0	138.4	11.186	52.13	40.0	1.1

LOCATION: THE DALLES AMS, ORE.

PAGE 2

HOLE NAME: HOWARD 1
DATE MEASURED: 1/4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	11.225	52.21	39.0	2.1
44.0	144.9	11.259	52.27	34.0	1.9
45.0	147.6	11.298	52.34	39.0	2.1
46.0	150.9	11.344	52.42	46.0	2.6
47.0	154.2	11.390	52.50	46.0	2.6
48.0	157.4	11.425	52.57	39.0	2.1
49.0	160.7	11.468	52.64	43.0	2.4
50.0	164.0	11.515	52.73	47.0	2.7
51.0	167.3	11.565	52.82	50.0	3.0
52.0	170.6	11.600	52.88	39.0	2.1
53.0	173.9	11.644	52.96	44.0	2.4
54.0	177.1	11.688	53.04	44.0	2.4
55.0	180.4	11.741	53.13	53.0	3.0
56.0	183.7	11.799	53.24	59.0	3.3
57.0	187.0	11.843	53.32	44.0	2.4
58.0	190.2	11.889	53.40	46.0	2.6
59.0	193.5	11.935	53.48	46.0	2.6
60.0	196.8	11.986	53.57	51.0	3.0
61.0	200.1	12.036	53.66	50.0	2.9
62.0	203.4	12.083	53.75	47.0	2.6
63.0	206.6	12.136	53.84	53.0	3.0
64.0	209.9	12.200	53.96	54.0	3.1
65.0	213.2	12.234	54.02	54.0	3.1
66.0	216.5	12.284	54.11	50.0	2.8
67.0	219.8	12.333	54.20	49.0	2.7
68.0	223.1	12.368	54.26	57.0	3.2
69.0	226.4	12.421	54.36	51.0	2.9
70.0	229.7	12.479	54.46	58.0	3.3
71.0	233.0	12.523	54.54	44.0	2.4
72.0	236.3	12.568	54.62	45.0	2.5
73.0	239.6	12.614	54.71	46.0	2.6
74.0	242.9	12.659	54.79	45.0	2.5
75.0	246.2	12.714	54.89	56.0	3.1
76.0	249.5	12.760	54.95	56.0	3.1
77.0	252.8	12.803	55.05	53.0	2.9
78.0	256.1	12.864	55.16	61.0	3.5
79.0	259.4	12.899	55.22	59.0	3.3
80.0	262.7	12.943	55.30	44.0	2.4
81.0	266.0	13.017	55.43	74.0	4.1
82.0	269.3	13.089	55.56	72.0	4.0
83.0	272.6	13.144	55.66	55.0	3.0

LOCATION: THE DALLES AMS, ORE.

PAGE 3

15/ 4E- 18CA

HOLE NAME: HOWARD 1

DATE MEASURED: 1/ 4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	13.186	55.73	42.0	10.2
85.0	278.0	13.209	55.78	23.0	4.3
86.0	282.1	13.223	55.80	14.0	3.0
87.0	285.4	13.236	55.82	13.0	2.8
88.0	288.6	13.250	55.85	22.0	5.6
89.0	291.9	13.265	55.91	27.0	6.9
90.0	295.2	13.300	55.95	23.0	5.8
91.0	298.5	13.340	56.02	40.0	10.2
92.0	301.0	13.379	56.08	31.0	7.9
93.0	305.0	13.406	56.13	27.0	6.9
94.0	308.3	13.449	56.21	43.0	11.1
95.0	311.6	13.506	56.31	57.0	14.8
96.0	314.9	13.537	56.37	31.0	7.9
97.0	318.2	13.571	56.43	34.0	8.6
98.0	321.4	13.624	56.52	53.0	13.7
99.0	324.7	13.666	56.60	42.0	10.7
100.0	328.0	13.690	56.64	24.0	6.1
101.0	331.3	13.730	56.71	40.0	10.2
102.0	334.6	13.774	56.79	44.0	11.3
103.0	337.0	13.804	56.85	30.0	7.7
104.0	341.1	13.839	56.91	35.0	9.0
105.0	344.4	13.866	56.96	27.0	6.9
106.0	347.7	13.911	57.04	45.0	11.5
107.0	351.0	13.984	57.17	73.0	18.7
108.0	354.2	14.043	57.28	59.0	13.3
109.0	357.5	14.145	57.46	102.0	26.4
110.0	360.0	14.185	57.53	40.0	10.2
111.0	364.1	14.214	57.59	23.0	5.8
112.0	367.4	14.240	57.63	26.0	6.7
113.0	370.6	14.262	57.67	22.0	5.6
114.0	373.9	14.293	57.73	31.0	7.9
115.0	377.2	14.310	57.77	25.0	6.5
116.0	380.5	14.351	57.83	33.0	8.4
117.0	383.0	14.394	57.91	43.0	11.1
118.0	387.0	14.446	58.00	52.0	13.1
119.0	390.3	14.493	58.09	47.0	12.1
120.0	393.6	14.510	58.12	17.0	4.3
121.0	396.9	14.537	58.17	27.0	6.9
122.0	400.2	14.563	58.21	25.0	6.5
123.0	403.4	14.610	58.31	25.0	6.5
124.0	406.7	14.659	58.39	41.0	10.5

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LOCATION: THE DALLES AMS. ORE.

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1S/ 4E- 1BCA

HOLE NAME: HOWARD 1

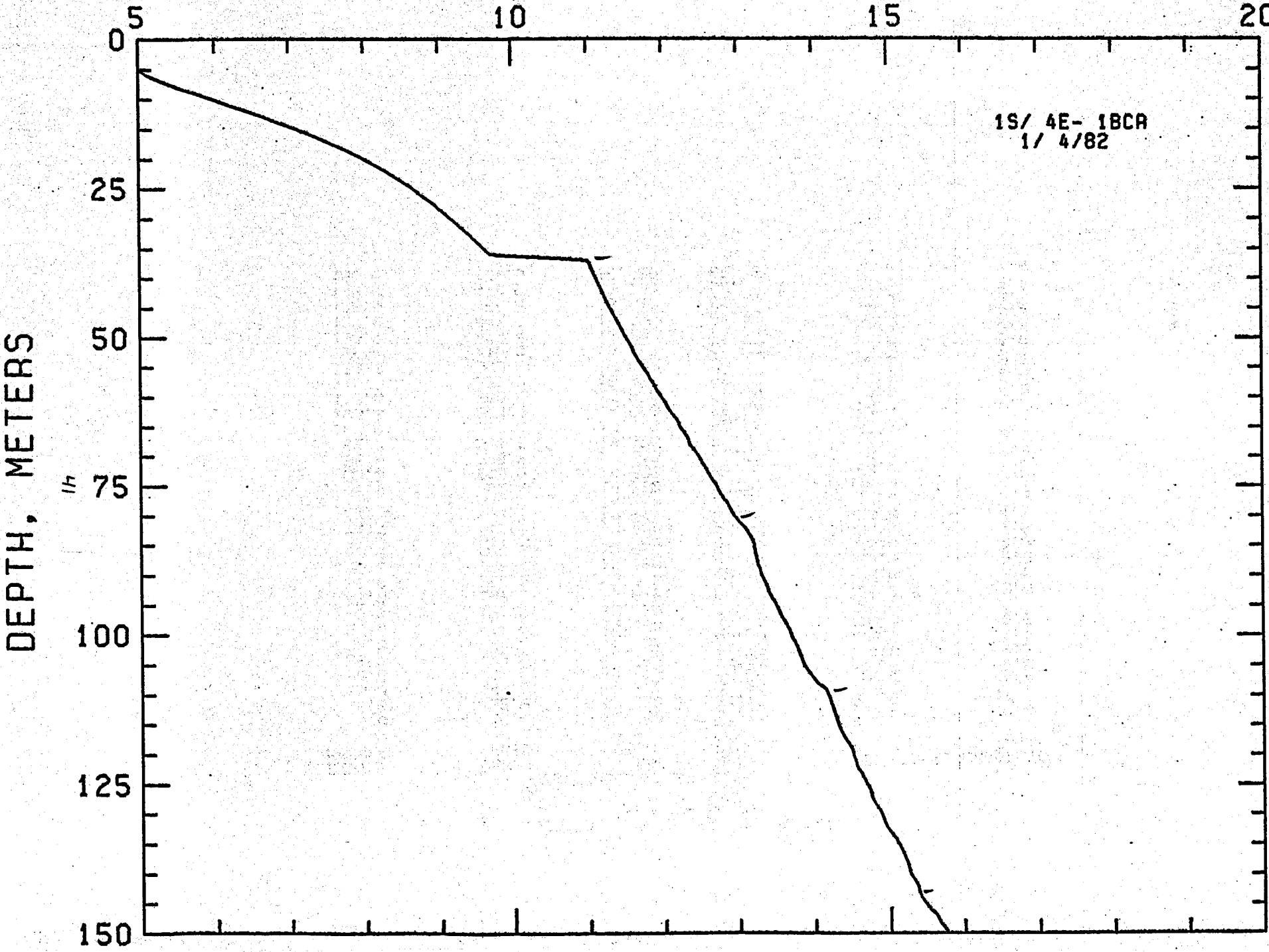
DATE MEASURED: 1/ 4/82

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	14.700	58.46	41.0	2.3
126.0	413.3	14.737	58.53	37.0	2.0
127.0	416.6	14.756	58.56	19.0	1.0
128.0	419.0	14.796	58.63	40.0	2.2
129.0	423.1	14.850	58.73	54.0	3.0
130.0	426.4	14.888	58.80	38.0	2.1
131.0	429.7	14.918	58.85	30.0	1.6
132.0	433.0	14.948	58.91	30.0	1.6
133.0	436.2	15.006	59.01	58.0	3.2
134.0	439.5	15.068	59.12	62.0	3.4
135.0	442.8	15.115	59.21	47.0	2.6
136.0	446.1	15.159	59.29	44.0	2.4
137.0	449.4	15.195	59.35	36.0	2.0
138.0	452.6	15.220	59.41	34.0	1.9
139.0	455.9	15.250	59.45	21.0	1.1
140.0	459.2	15.269	59.48	19.0	1.1
141.0	462.5	15.316	59.57	47.0	2.6
142.0	465.8	15.365	59.66	49.0	2.7
143.0	469.1	15.389	59.70	24.0	1.3
144.0	472.3	15.412	59.74	23.0	1.3
145.0	475.6	15.478	59.86	63.0	3.5
146.0	478.9	15.538	59.97	63.0	3.5
147.0	482.2	15.618	60.11	60.0	3.4
148.0	485.5	15.651	60.17	63.0	3.5
149.0	488.7	15.714	60.29	63.0	3.5
150.0	492.0	15.774	60.39	60.0	3.4
151.0	495.3	15.800	60.44	26.0	1.4
152.0	498.6	15.839	60.51	39.0	2.1
153.0	501.8	15.901	60.62	62.0	3.4

04

TEMPERATURE, DEG C

1S/ 4E- 1BCA
1/ 4/82



LOCATION: VANCOUVER AMS, OREGON

1S/ 4E-11ACC

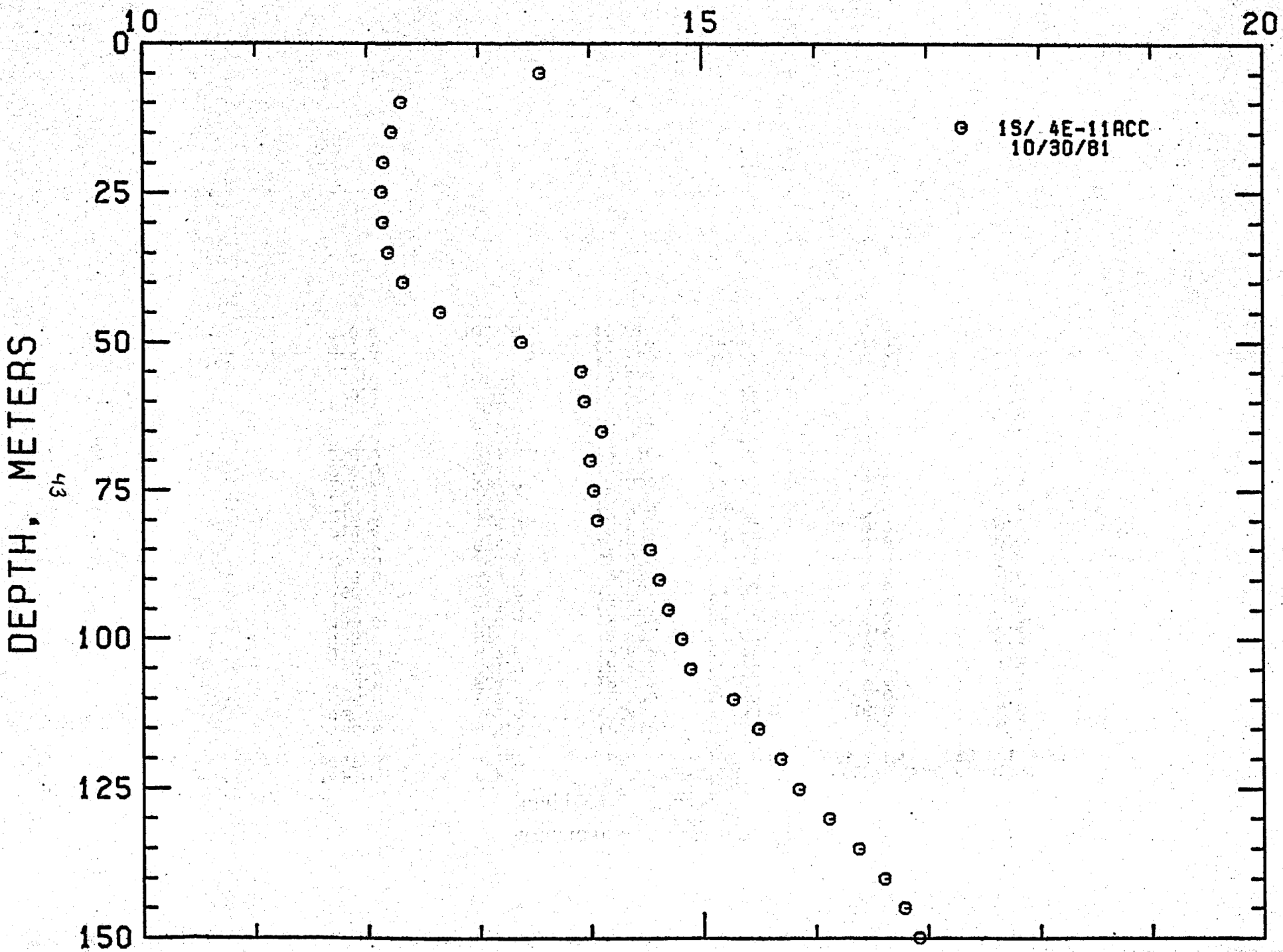
HOLE NAME: OXBOW PK

DATE MEASURED: 10/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	13.560	56.41	0.0	0.0
10.0	32.8	12.310	54.16	-250.0	-13.70
15.0	49.2	12.220	54.00	-18.0	-1.00
20.0	65.6	12.150	53.87	-14.0	-0.80
25.0	82.0	12.130	53.83	-14.0	-0.80
30.0	98.4	12.140	53.85	2.0	0.10
35.0	114.8	12.190	53.94	10.0	0.50
40.0	131.2	12.320	54.18	28.0	1.50
45.0	147.6	12.650	54.77	66.0	3.50
50.0	164.0	13.330	56.10	148.0	7.70
55.0	180.4	13.930	57.06	196.0	10.40
60.0	196.8	13.950	57.11	196.0	10.40
65.0	213.2	14.100	57.38	3.0	0.10
70.0	229.6	14.000	57.20	-20.0	-1.00
75.0	246.0	14.000	57.20	6.0	0.30
80.0	262.4	14.060	57.31	9.4	0.50
85.0	278.8	14.530	58.15	16.0	0.80
90.0	295.2	14.610	58.30	16.0	0.80
95.0	311.6	14.690	58.44	24.0	1.30
100.0	328.0	14.810	58.66	16.0	0.80
105.0	344.4	14.890	58.80	16.0	0.80
110.0	360.8	15.270	59.49	76.0	4.10
115.0	377.2	15.490	59.88	44.0	2.40
120.0	393.6	15.690	60.24	40.0	2.20
125.0	410.0	15.850	60.53	32.0	1.70
130.0	426.4	16.120	61.02	54.0	2.90
135.0	442.8	16.380	61.48	52.0	2.80
140.0	459.2	16.610	61.90	46.0	2.50
145.0	475.6	16.790	62.22	36.0	1.90
150.0	492.0	16.920	62.46	26.0	1.40

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TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON
1S/ 4E-16AD

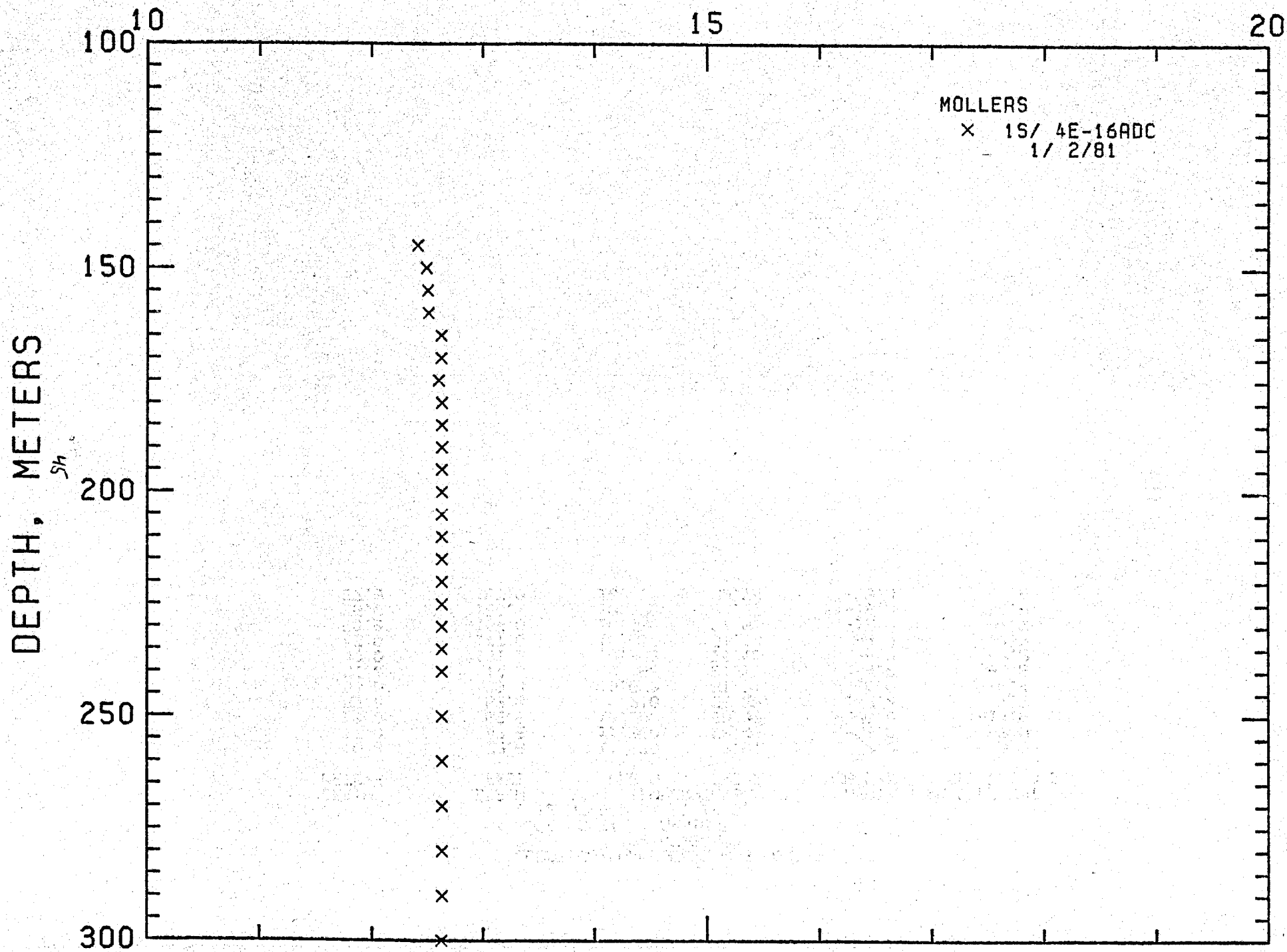
HOLE NAME: MOLLERS

DATE MEASURED: 1/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
145.0	475.6	12.410	54.34	0.0	0.0
150.0	492.0	12.490	54.48	15.0	0.9
155.0	508.4	12.500	54.50	2.0	0.1
160.0	524.8	12.510	54.53	2.0	0.1
165.0	541.2	12.620	54.72	22.0	1.2
170.0	557.6	12.620	54.72	0.0	0.0
175.0	574.0	12.600	54.68	-4.0	-0.2
180.0	590.4	12.630	54.73	6.0	0.3
185.0	606.8	12.630	54.73	0.0	0.0
190.0	623.2	12.630	54.73	0.0	0.0
195.0	639.6	12.630	54.73	0.0	0.0
200.0	656.0	12.630	54.73	0.0	0.0
205.0	672.4	12.630	54.73	0.0	0.0
210.0	688.8	12.630	54.73	0.0	0.0
215.0	705.2	12.630	54.73	0.0	0.0
220.0	721.6	12.630	54.73	0.0	0.0
225.0	738.0	12.630	54.73	0.0	0.0
230.0	754.4	12.630	54.73	0.0	0.0
235.0	770.8	12.630	54.73	0.0	0.0
240.0	787.2	12.630	54.73	0.0	0.0
250.0	820.0	12.630	54.73	0.0	0.0
260.0	852.8	12.630	54.73	0.0	0.0
270.0	885.6	12.630	54.73	0.0	0.0
280.0	918.4	12.630	54.73	0.0	0.0
290.0	951.2	12.630	54.73	0.0	0.0
300.0	984.0	12.620	54.72	-1.0	-0.1
310.0	1016.8	12.620	54.72	0.0	0.0

hh

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

1S/ 4E-30AAA

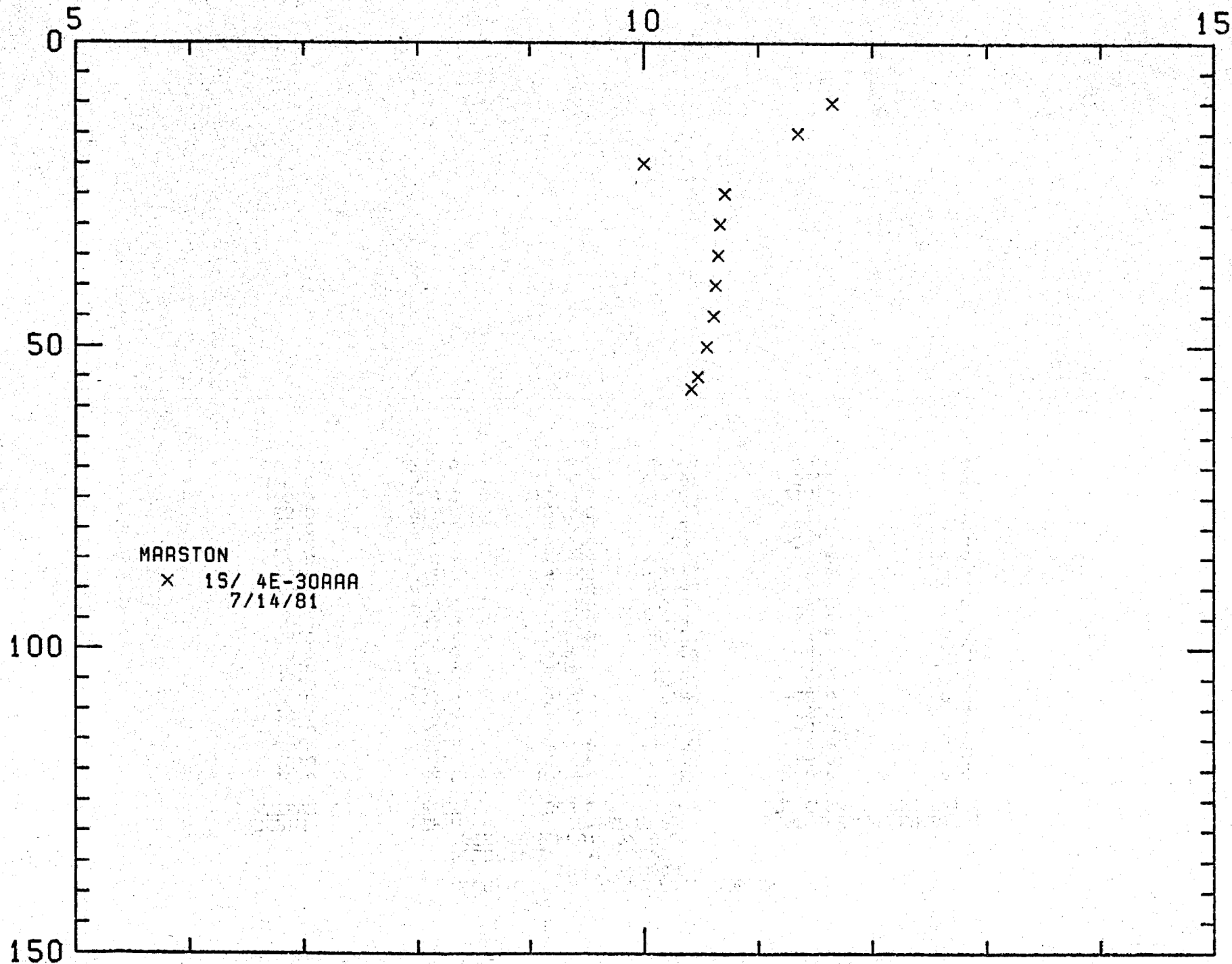
HOLE NAME: MARSTON

DATE MEASURED: 7/14/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.650	52.97	0.0	0.0
15.0	49.2	11.350	52.43	-60.0	-3.3
20.0	65.6	10.000	50.00	-270.0	-14.8
25.0	82.0	10.710	51.28	142.0	7.8
30.0	98.4	10.670	51.21	-8.0	-0.4
35.0	114.8	10.650	51.17	-4.0	-0.2
40.0	131.2	10.630	51.13	-4.0	-0.2
45.0	147.6	10.610	51.10	-4.0	-0.2
50.0	164.0	10.550	50.99	-12.0	-0.7
55.0	180.4	10.470	50.85	-16.0	-0.9
57.0	187.0	10.410	50.74	-30.0	-1.6

TEMPERATURE, DEG C

DEPTH, METERS

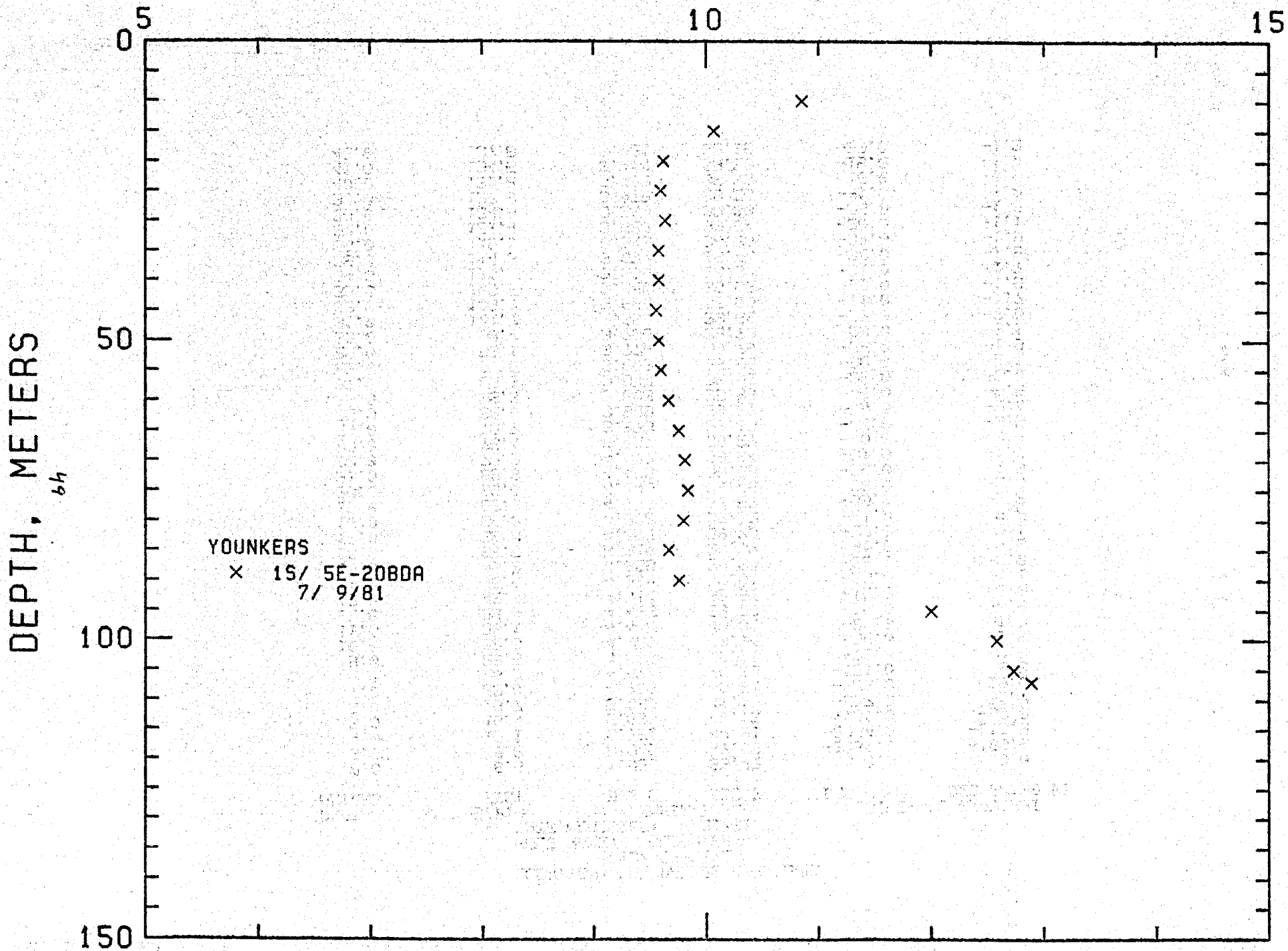


LOCATION: VANCOUVER AMS, OREGON
15/ 5E-20BDA

HOLE NAME: YOUNKERS
DATE MEASURED: 7/ 9/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.850	51.53	0.0	0.0
15.0	49.2	10.070	50.13	-156.0	-8.6
20.0	65.6	9.620	49.32	-90.0	-4.9
25.0	82.0	9.600	49.28	-4.0	-0.2
30.0	98.4	9.640	49.35	8.0	0.4
35.0	114.8	9.580	49.24	-12.0	-0.7
40.0	131.2	9.580	49.24	0.0	0.0
45.0	147.6	9.560	49.21	-4.0	-0.2
50.0	164.0	9.580	49.24	4.0	0.2
55.0	180.4	9.600	49.28	4.0	0.2
60.0	196.8	9.670	49.41	14.0	0.8
65.0	213.2	9.760	49.57	18.0	1.0
70.0	229.6	9.810	49.66	10.0	0.5
75.0	246.0	9.840	49.71	6.0	0.3
80.0	262.4	9.800	49.64	-8.0	-0.4
85.0	278.8	9.670	49.41	-26.0	-1.4
90.0	295.2	9.760	49.57	18.0	1.0
95.0	311.6	12.000	53.60	448.0	24.5
100.0	328.0	12.580	54.64	116.0	6.4
105.0	344.4	12.730	54.91	30.0	1.6
107.0	351.0	12.890	55.20	80.0	4.4

TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, ORE.

1S/ 9E-31ACA

HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	11.936	53.48	0.0	0.0
3.0	9.8	8.845	47.92	-3091.0	-169.6
4.0	13.1	6.781	44.21	-2064.0	-113.3
5.0	16.4	5.630	42.13	-1151.0	-63.2
6.0	19.7	5.053	41.10	-577.0	-31.7
7.0	23.0	4.725	40.51	-328.0	-18.0
8.0	26.3	4.574	40.23	-151.0	-8.3
9.0	29.6	4.503	40.11	-71.0	-3.9
10.0	32.9	4.469	40.04	-34.0	-1.9
11.0	36.1	4.448	40.01	-21.0	-1.1
12.0	39.4	4.433	39.98	-15.0	-0.8
13.0	42.6	4.414	39.95	-19.0	-1.1
14.0	45.9	4.394	39.91	-20.0	-1.1
15.0	49.2	4.398	39.94	-36.0	-2.0
16.0	52.5	4.317	39.77	-41.0	-2.3
17.0	55.8	4.279	39.70	-38.0	-2.1
18.0	59.1	4.238	39.63	-41.0	-2.3
19.0	62.4	4.179	39.52	-59.0	-3.3
20.0	65.7	4.143	39.46	-36.0	-2.0
21.0	69.0	4.108	39.39	-35.0	-1.9
22.0	72.3	4.077	39.34	-31.0	-1.7
23.0	75.6	4.037	39.27	-40.0	-2.2
24.0	78.9	3.973	39.15	-64.0	-3.5
25.0	82.2	3.929	39.07	-44.0	-2.4
26.0	85.5	3.883	38.93	-46.0	-2.5
27.0	88.8	3.847	38.83	-36.0	-2.0
28.0	92.1	3.809	38.68	-38.0	-2.1
29.0	95.4	3.774	38.57	-36.0	-2.0
30.0	98.7	3.736	38.52	-38.0	-2.1
31.0	102.0	3.699	38.46	-38.0	-2.1
32.0	105.3	3.668	38.38	-31.0	-1.7
33.0	108.6	3.640	38.35	-28.0	-1.5
34.0	111.9	3.609	38.28	-31.0	-1.7
35.0	115.2	3.577	38.24	-32.0	-1.8
36.0	118.5	3.543	38.18	-34.0	-1.9
37.0	121.8	3.523	38.14	-28.0	-1.5
38.0	125.1	3.500	38.10	-28.0	-1.5
39.0	128.4	3.479	38.06	-21.0	-1.1
40.0	131.7	3.463	38.03	-16.0	-0.9
41.0	135.0	3.444	38.00	-19.0	-1.1
42.0	138.3	3.421	38.16	-23.0	-1.3

LOCATION: THE DALLES AMS, ORE.

PAGE 2

1S/ 9E-31ACA

HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	3.397	38.11	-24.0	-1.3
44.0	144.0	3.390	38.09	-17.0	-0.9
45.0	147.6	3.360	38.05	-20.0	-1.1
46.0	150.9	3.342	38.02	-18.0	-1.0
47.0	154.2	3.327	37.99	-15.0	-0.8
48.0	157.4	3.315	37.97	-12.0	-0.7
49.0	160.7	3.300	37.94	-15.0	-0.8
50.0	164.0	3.287	37.92	-13.0	-0.7
51.0	167.3	3.276	37.90	-11.0	-0.6
52.0	170.6	3.260	37.87	-16.0	-0.9
53.0	173.8	3.243	37.84	-17.0	-0.9
54.0	177.1	3.230	37.81	-13.0	-0.7
55.0	180.4	3.212	37.78	-18.0	-1.0
56.0	183.7	3.198	37.76	-14.0	-0.8
57.0	187.0	3.183	37.73	-15.0	-0.8
58.0	190.3	3.167	37.70	-16.0	-0.9
59.0	193.5	3.153	37.68	-14.0	-0.8
60.0	196.8	3.137	37.65	-16.0	-0.9
61.0	200.1	3.125	37.62	-12.0	-0.7
62.0	203.4	3.110	37.61	-7.0	-0.4
63.0	206.6	3.110	37.60	-8.0	-0.4
64.0	209.9	3.104	37.59	-6.0	-0.3
65.0	213.2	3.101	37.58	-3.0	-0.2
66.0	216.5	3.100	37.58	-1.0	-0.1
67.0	219.8	3.106	37.59	6.0	0.3
68.0	223.1	3.117	37.61	11.0	0.6
69.0	226.4	3.139	37.65	22.0	1.2
70.0	229.7	3.185	37.73	46.0	2.6
71.0	232.9	3.249	37.85	64.0	3.6
72.0	236.2	3.347	38.82	98.0	5.4
73.0	239.4	3.514	38.93	157.0	8.2
74.0	242.7	3.795	38.83	291.0	15.1
75.0	246.0	4.059	39.31	264.0	14.1
76.0	249.3	4.544	40.18	495.0	27.5
77.0	252.6	4.999	41.00	455.0	25.2
78.0	255.9	5.328	41.59	329.0	18.1
79.0	259.1	5.694	42.25	365.0	20.1
80.0	262.4	5.979	42.76	295.0	15.8
81.0	265.7	5.965	42.74	-14.0	-0.8
82.0	269.0	5.913	42.64	-5.0	-0.3
83.0	272.2	5.959	42.73	46.0	2.6

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LOCATION: THE DALLES AMS, ORE.

PAGE 3

1S/ 9E-31ACA

HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	278.5	6.022	42.84	63.0	
85.0	278.8	6.027	42.85	5.0	
86.0	282.1	5.550	41.99	-477.0	
87.0	285.4	5.656	42.18	106.0	
88.0	288.6	5.413	41.74	-243.0	
89.0	291.9	5.596	42.07	183.0	
90.0	295.2	5.514	41.93	10.0	
91.0	298.5	5.529	41.95	-82.0	
92.0	301.8	5.719	42.29	15.0	
93.0	305.0	5.801	42.44	190.0	
94.0	308.3	5.766	42.38	89.0	
95.0	311.6	5.751	42.36	-35.0	
96.0	314.9	5.816	42.47	-15.0	
97.0	318.2	5.919	42.65	65.0	
98.0	321.4	5.939	42.70	103.0	
99.0	324.7	5.664	42.20	70.0	
100.0	328.0	5.977	42.77	-325.0	
101.0	331.3	5.847	42.53	-67.0	
102.0	334.6	5.966	42.73	250.0	
103.0	337.8	5.842	42.52	219.0	
104.0	341.1	5.899	42.62	-224.0	
105.0	344.4	5.802	42.26	57.0	
106.0	347.7	5.904	42.45	103.0	
107.0	351.0	5.915	42.45	-198.0	
108.0	354.2	5.864	42.55	111.0	
109.0	357.5	5.129	43.03	149.0	
110.0	360.8	5.169	43.10	65.0	
111.0	364.1	5.134	43.04	40.0	
112.0	367.4	5.093	42.97	-35.0	
113.0	370.6	5.140	43.05	-41.0	
114.0	373.9	5.184	43.13	47.0	
115.0	377.2	5.271	43.29	44.0	
116.0	380.5	5.376	43.48	87.0	
117.0	383.8	5.449	43.61	105.0	
118.0	387.0	5.400	43.52	73.0	
119.0	390.3	5.329	43.39	-49.0	
120.0	393.6	5.464	43.64	-71.0	
121.0	396.9	5.521	43.74	135.0	
122.0	400.2	5.585	43.85	57.0	
123.0	403.4	5.497	43.69	64.0	
124.0	406.7	5.512	43.72	-89.0	
				15.0	

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LOCATION: THE DALLES AMS, ORE.

PAGE 4

15/ 9E-31ACA

HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	6.548	43.79	36.0	2.0
126.0	413.3	6.574	43.83	26.0	1.4
127.0	416.6	6.708	44.07	134.0	7.4
128.0	419.8	6.501	43.70	-207.0	-11.4
129.0	423.1	6.452	43.61	-49.0	-2.7
130.0	426.4	6.403	43.53	-49.0	-2.7
131.0	429.7	6.467	43.64	64.0	3.5
132.0	433.0	6.567	43.82	100.0	5.5
133.0	436.3	6.618	43.91	51.0	2.8
134.0	439.6	6.664	44.00	46.0	2.5
135.0	442.8	6.690	44.04	26.0	1.4
136.0	446.1	6.758	44.16	68.0	3.7
137.0	449.4	6.821	44.28	63.0	3.5
138.0	452.7	6.854	44.34	33.0	1.8
139.0	456.0	6.782	44.21	-72.0	-4.0
140.0	459.3	6.720	44.10	-82.0	-4.5
141.0	462.6	6.730	44.11	10.0	0.5
142.0	465.9	6.796	44.23	66.0	3.6
143.0	469.2	6.889	44.40	33.0	1.8
144.0	472.5	6.947	44.50	58.0	3.2
145.0	475.8	6.919	44.45	-28.0	-1.5
146.0	479.1	6.951	44.51	38.0	2.1
147.0	482.4	6.966	44.54	15.0	0.8
148.0	485.7	7.055	44.70	89.0	4.9
149.0	489.0	7.082	44.75	27.0	1.5
150.0	492.3	6.993	44.59	-89.0	-4.9
151.0	495.6	7.087	44.76	94.0	5.2
152.0	498.9	7.160	44.89	73.0	4.0
153.0	502.2	7.071	44.73	-89.0	-4.9
154.0	505.5	7.089	44.76	16.0	0.9
155.0	508.8	7.168	44.90	79.0	4.3
156.0	512.1	7.248	45.05	80.0	4.4
157.0	515.4	7.272	45.09	24.0	1.3
158.0	518.7	7.403	45.33	131.0	7.3
159.0	522.0	7.494	45.49	91.0	5.0
160.0	525.3	7.529	45.55	95.0	5.3
161.0	528.6	7.530	45.55	1.0	0.1
162.0	531.9	7.410	45.34	-120.0	-6.6
163.0	535.2	7.377	45.28	-23.0	-1.3
164.0	538.5	7.433	45.38	56.0	3.1
165.0	541.8	7.432	45.38	-1.0	0.1

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LOCATION: THE DALLES AMS, ORE.

PAGE 5

15/ 9E-31ACA

HOLE NAME: CLEAR BR.

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
165.0	544.5	7.527	45.55	95.0	5.2
167.0	547.0	7.669	45.80	142.0	7.0
168.0	551.0	7.727	45.91	58.0	0.2
169.0	554.0	7.729	45.91	2.0	0.1
170.0	557.6	7.775	45.99	46.0	0.5
171.0	560.0	7.856	46.14	81.0	4.4
172.0	564.2	7.930	46.27	74.0	4.1
173.0	567.4	7.934	46.28	4.0	0.0
174.0	570.7	7.998	46.40	64.0	0.5
175.0	574.0	8.152	46.67	154.0	1.1
176.0	577.0	8.124	46.62	-28.0	-1.0
177.0	580.6	7.902	46.04	-322.0	-17.0
178.0	583.0	7.789	46.02	-13.0	-0.7
179.0	587.1	7.844	46.12	55.0	0.3
180.0	590.4	7.976	46.36	132.0	7.3
181.0	593.7	7.912	46.24	-64.0	-3.0
182.0	597.0	7.821	46.08	-91.0	-5.0
183.0	600.2	7.831	46.10	10.0	0.0
184.0	603.5	7.867	46.16	36.0	0.0
185.0	606.8	7.955	46.32	88.0	0.0
186.0	610.1	8.026	46.45	71.0	0.0
187.0	613.4	8.095	46.57	69.0	0.0
188.0	616.6	8.210	46.78	115.0	0.0
189.0	619.9	8.316	46.97	186.0	0.0
190.0	623.2	8.249	46.85	-67.0	-1.0
191.0	626.5	8.218	46.79	-31.0	-1.0
192.0	629.8	8.240	46.83	22.0	0.0
193.0	633.0	8.303	46.95	63.0	0.0
194.0	636.3	8.411	47.14	108.0	0.0
195.0	639.6	8.502	47.30	91.0	0.0
196.0	642.9	8.424	47.16	-78.0	-4.0
197.0	646.2	8.482	47.27	58.0	0.0
198.0	649.4	8.442	47.20	-40.0	-0.0
199.0	652.7	8.529	47.35	87.0	0.0
200.0	656.0	8.463	47.23	-66.0	-0.0
201.0	659.3	8.448	47.21	-15.0	-0.0
202.0	662.6	8.504	47.31	56.0	0.0
203.0	665.8	8.543	47.38	39.0	0.0
204.0	669.1	8.576	47.44	33.0	0.0
205.0	672.4	8.587	47.46	11.0	0.0
206.0	675.7	8.611	47.50	24.0	0.0

h5

LOCATION: THE DALLES AMS, ORE.

PAGE 6

15/ 9E-31ACA

HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
207.0	679.0	8.694	47.65	83.0	4.6
208.0	682.2	8.691	47.64	-3.0	-0.2
209.0	685.5	8.729	47.71	38.0	2.1
210.0	688.8	8.735	47.72	6.0	0.3
211.0	692.1	8.742	47.74	7.0	0.4
212.0	695.4	8.836	47.90	94.0	5.2
213.0	698.6	8.857	47.94	21.0	1.2
214.0	701.9	8.843	47.92	-14.0	-0.8
215.0	705.2	8.874	47.97	31.0	1.7
216.0	708.5	8.931	48.08	57.0	3.1
217.0	711.8	8.918	48.23	87.0	4.8
218.0	715.0	8.957	48.30	39.0	2.1
219.0	718.3	8.967	48.32	10.0	0.5
220.0	721.6	8.915	48.33	38.0	2.1
221.0	724.9	8.9147	48.46	42.0	2.3
222.0	728.2	8.9147	48.46	0.0	0.0
223.0	731.4	8.9185	48.53	38.0	2.1
224.0	734.7	8.9168	48.50	-17.0	-0.9
225.0	738.0	8.9183	48.53	15.0	0.8
226.0	741.3	8.9222	48.56	19.0	1.0
227.0	744.6	8.9227	48.61	25.0	1.4
228.0	747.9	8.9250	48.65	23.0	1.3
229.0	751.1	8.9330	48.70	88.0	4.4
230.0	754.4	8.9389	48.90	59.0	3.2
231.0	757.7	8.9406	48.93	17.0	0.9
232.0	761.0	8.9425	48.96	19.0	1.0
233.0	764.2	8.9441	48.99	16.0	0.8
234.0	767.5	8.9473	49.05	32.0	1.7
235.0	770.8	8.9521	49.14	48.0	2.6
236.0	774.1	8.9554	49.20	33.0	1.8
237.0	777.4	8.9550	49.19	14.0	0.7
238.0	780.6	8.9588	49.26	38.0	2.1
239.0	783.9	8.9648	49.37	60.0	3.3
240.0	787.2	8.9650	49.37	2.0	0.1
241.0	790.5	8.9719	49.49	69.0	3.8
242.0	793.8	8.9666	49.40	-53.0	-2.9
243.0	797.0	8.9665	49.40	-1.0	-0.0
244.0	800.3	8.9675	49.42	10.0	0.5
245.0	803.6	8.9747	49.54	72.0	4.0
246.0	806.9	8.9814	49.67	67.0	3.7
247.0	810.2	8.9818	49.67	4.0	0.2

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LOCATION: THE DALLES AMS. ORE.

PAGE 7

1S/ 9E-31ACA

HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100.FT
248.0	813.4	9.812	49.66	-	-
249.0	816.7	9.855	49.74	-	-
250.0	820.0	9.897	49.81	-	-
251.0	823.3	9.951	49.73	-	-
252.0	826.6	9.939	49.71	-	-
253.0	829.9	9.964	49.83	-	-
254.0	833.1	9.939	49.89	-	-
255.0	836.4	9.968	49.94	-	-
256.0	839.7	9.968	49.94	-	-
257.0	842.9	9.959	49.93	-	-
258.0	846.2	10.018	50.03	-	-
259.0	849.5	10.060	50.11	-	-
260.0	852.8	10.082	50.15	-	-
261.0	856.1	10.161	50.29	-	-
262.0	859.4	10.146	50.26	-	-
263.0	862.7	10.131	50.24	-	-
264.0	866.0	10.150	50.27	-	-
265.0	869.3	10.155	50.28	-	-
266.0	872.6	10.143	50.26	-	-
267.0	875.9	10.155	50.28	-	-
268.0	879.2	10.168	50.30	-	-
269.0	882.5	10.186	50.33	-	-
270.0	885.8	10.206	50.37	-	-
271.0	889.1	10.194	50.35	-	-
272.0	892.4	10.206	50.37	-	-
273.0	895.7	10.253	50.46	-	-
274.0	899.0	10.274	50.49	-	-
275.0	902.3	10.258	50.46	-	-
276.0	905.6	10.253	50.46	-	-
277.0	908.9	10.269	50.48	-	-
278.0	911.8	10.269	50.48	-	-
279.0	915.1	10.302	50.54	-	-
280.0	918.4	10.329	50.59	-	-
281.0	921.7	10.371	50.67	-	-
282.0	925.0	10.388	50.70	-	-
283.0	928.3	10.403	50.73	-	-
284.0	931.6	10.384	50.69	-	-
285.0	934.9	10.414	50.75	-	-
286.0	938.1	10.430	50.77	-	-
287.0	941.4	10.432	50.78	-	-
288.0	944.6	10.447	50.80	-	-

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LOCATION: THE DALLES AMS, ORE.

PAGE 8

1S/ 9E-31ACA

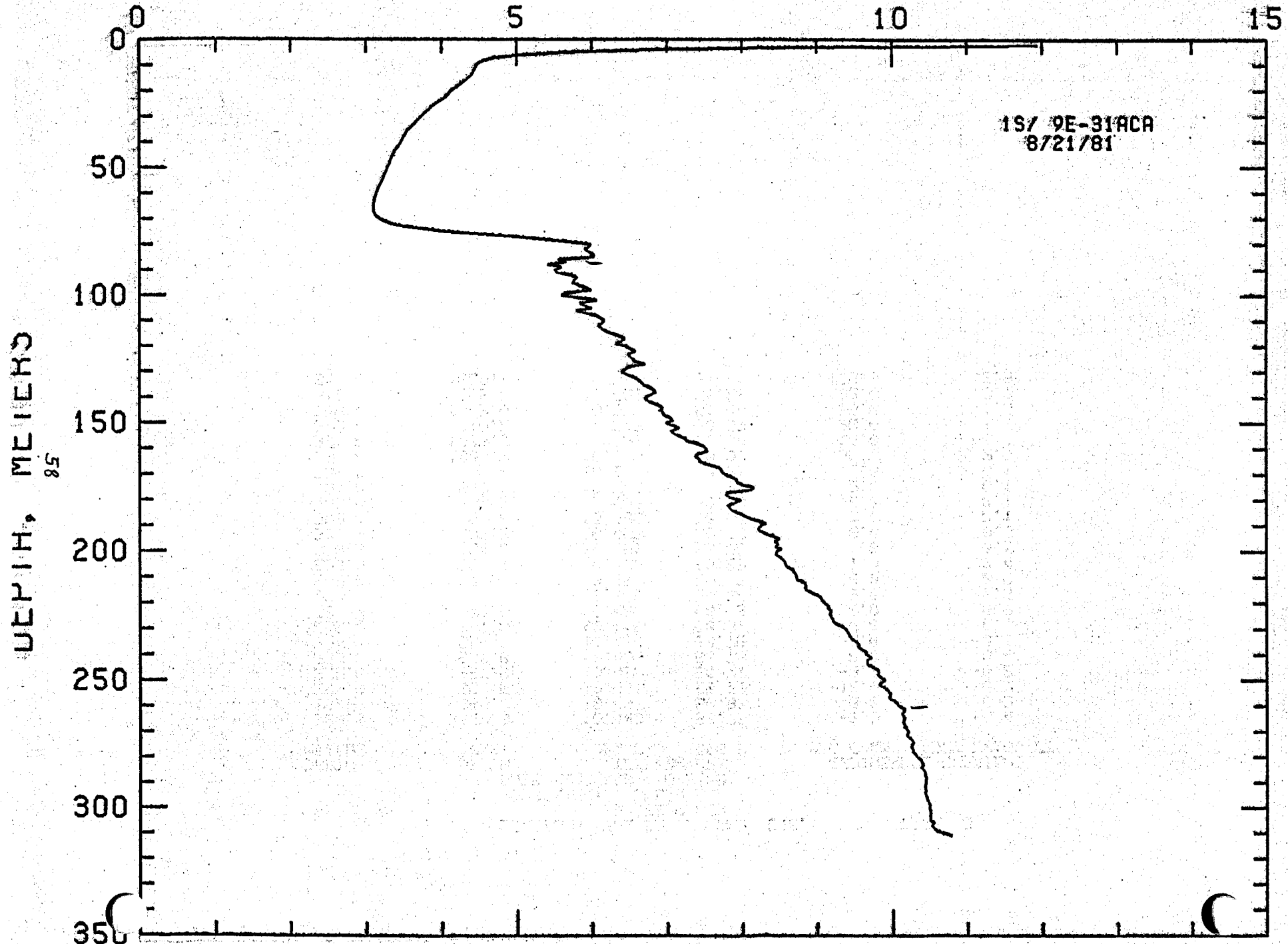
HOLE NAME: CLEAR BR

DATE MEASURED: 8/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	10.440	50.79	-7.0	-0.4
290.0	951.2	10.443	50.80	3.0	0.2
291.0	954.5	10.431	50.78	-12.0	-0.7
292.0	957.8	10.428	50.77	-3.0	-0.2
293.0	961.0	10.436	50.78	8.0	0.4
294.0	964.3	10.434	50.78	-2.0	-0.1
295.0	967.6	10.448	50.81	14.0	0.8
296.0	970.9	10.460	50.83	12.0	0.7
297.0	974.2	10.469	50.84	9.0	0.5
298.0	977.4	10.483	50.87	14.0	0.8
299.0	980.7	10.490	50.88	7.0	0.4
300.0	984.0	10.491	50.88	1.0	0.1
301.0	987.3	10.497	50.89	6.0	0.3
302.0	990.6	10.498	50.90	1.0	0.1
303.0	993.8	10.500	50.90	2.0	0.1
304.0	997.1	10.502	50.90	2.0	0.1
305.0	1000.4	10.503	50.91	1.0	0.1
306.0	1003.7	10.539	50.97	36.0	2.0
307.0	1007.0	10.521	50.94	-18.0	-1.0
308.0	1010.2	10.549	50.99	28.0	1.5
309.0	1013.5	10.578	51.04	29.0	1.6
310.0	1016.8	10.681	51.23	103.0	5.7
311.0	1020.1	10.786	51.41	105.0	5.8

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TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

2S/ 4E-21AAA

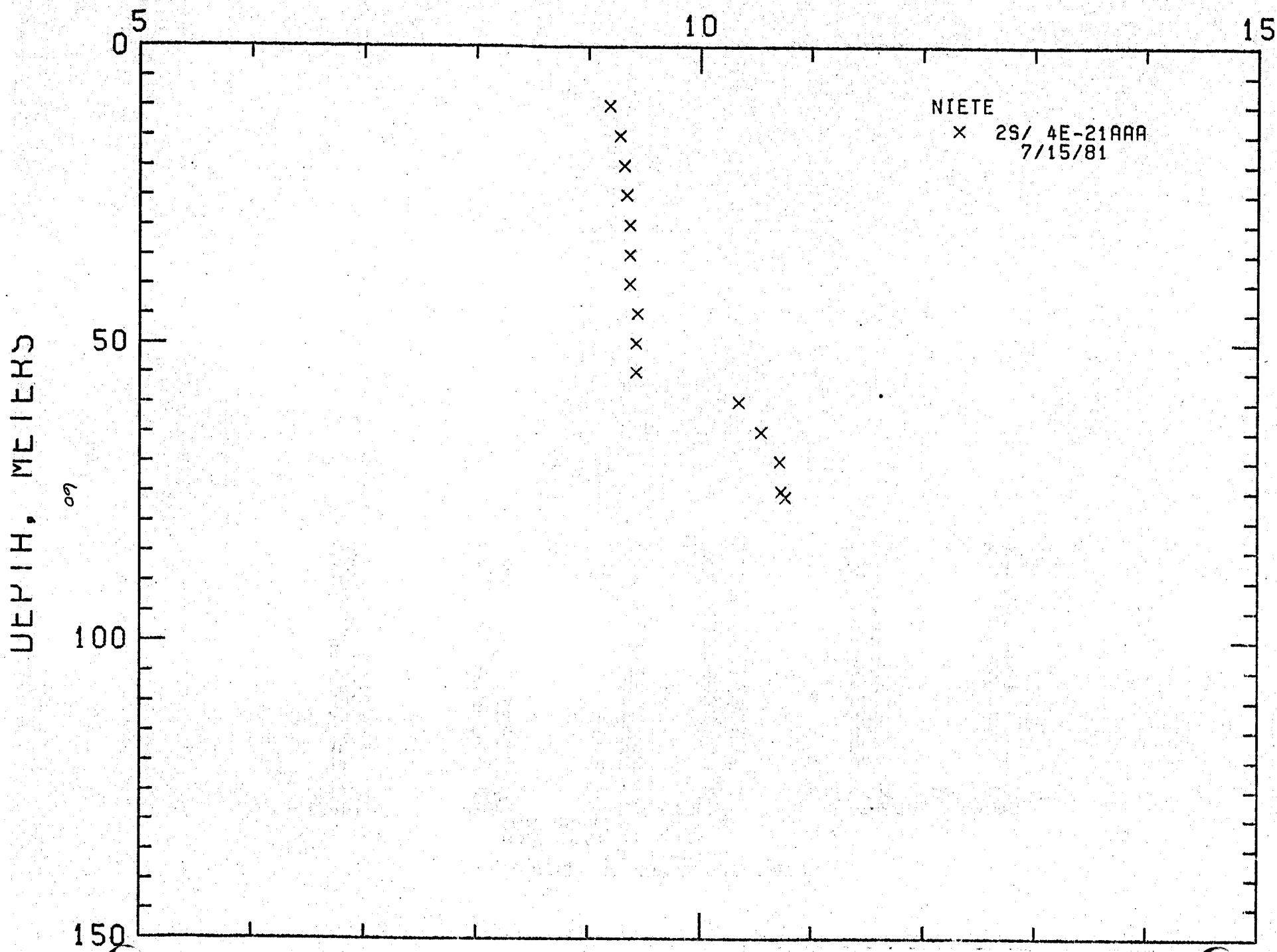
HOLE NAME: NIETE

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.190	48.54	0.0	0.0
15.0	49.2	9.280	48.70	18.0	1.0
20.0	65.6	9.320	48.78	8.0	0.4
25.0	82.0	9.340	48.81	4.0	0.2
30.0	98.4	9.370	48.87	6.0	0.3
35.0	114.8	9.370	48.87	0.0	0.0
40.0	131.2	9.370	48.87	0.0	0.0
45.0	147.6	9.440	48.99	14.0	0.8
50.0	164.0	9.430	48.97	-2.0	-0.1
55.0	180.4	9.430	48.97	0.0	0.0
60.0	196.8	10.350	50.63	184.0	10.1
65.0	213.2	10.550	50.99	40.0	2.2
70.0	229.6	10.720	51.30	34.0	1.9
75.0	246.0	10.730	51.31	2.0	0.1
76.0	249.3	10.770	51.39	40.0	2.2

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TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

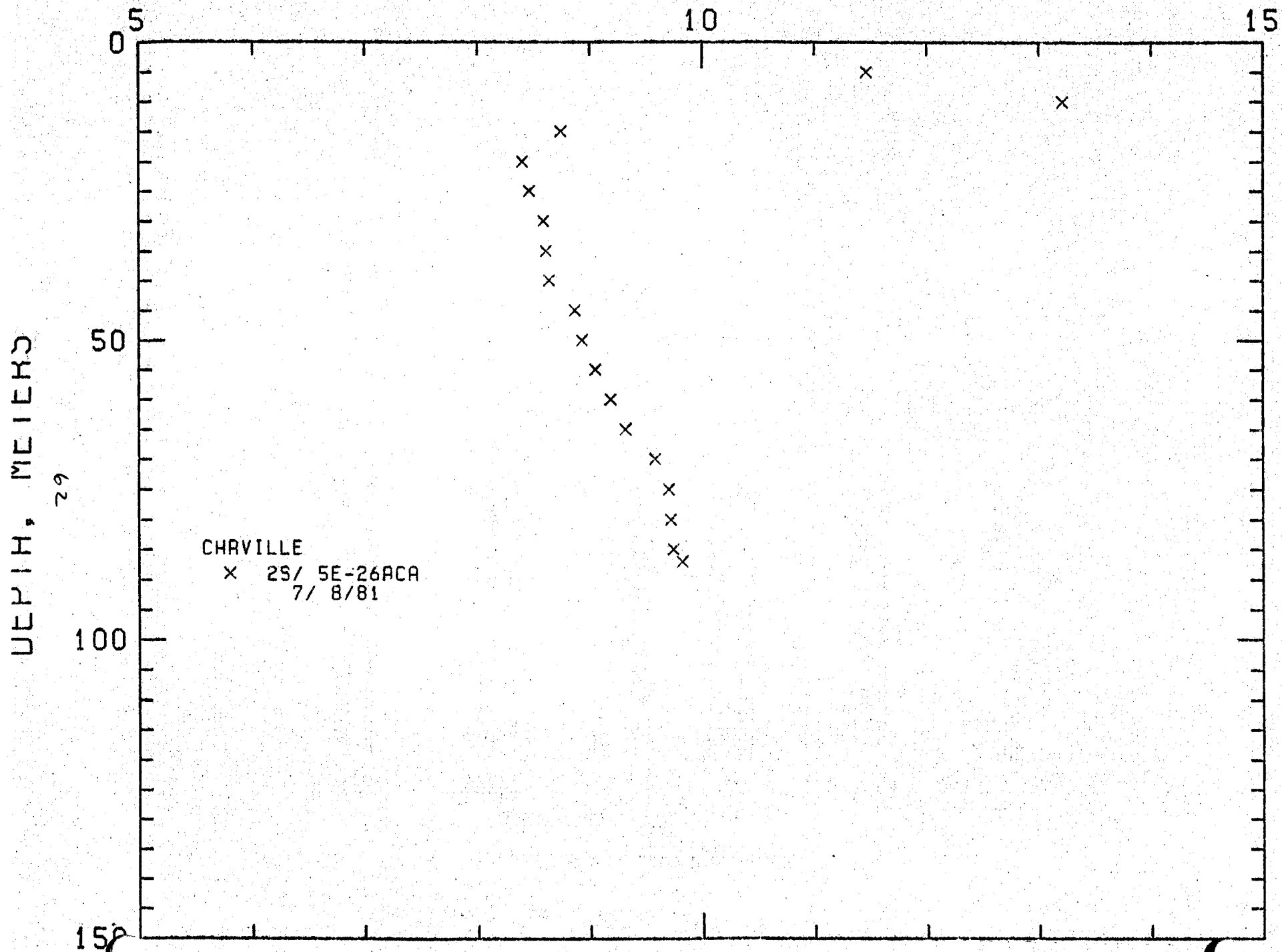
25/ SE-26ACA

HOLE NAME: CHRVILLE

DATE MEASURED: 7/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	11.460	52.63	0.0	0.0
10.0	32.8	13.210	55.78	350.0	19.20
15.0	49.2	8.740	47.73	-894.0	-49.1
20.0	65.6	8.400	47.12	-68.0	-3.77
25.0	82.0	8.460	47.23	12.0	0.7
30.0	98.4	8.590	47.46	26.0	1.4
35.0	114.8	8.610	47.50	4.0	0.22
40.0	131.2	8.640	47.55	6.0	0.33
45.0	147.6	8.870	47.97	46.0	2.55
50.0	164.0	8.930	48.07	12.0	0.7
55.0	180.4	9.050	48.29	24.0	1.3
60.0	196.8	9.190	48.54	28.0	1.5
65.0	213.2	9.320	48.78	28.0	1.5
70.0	229.6	9.580	49.24	52.0	2.9
75.0	246.0	9.700	49.46	24.0	1.3
80.0	262.4	9.720	49.50	4.0	0.22
85.0	278.8	9.740	49.53	4.0	0.22
87.0	285.4	9.820	49.68	40.0	2.2

TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, OREGON

2S/ 8E- 1CD

HOLE NAME: USGS-MCG

DATE MEASURED: 6/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	3.158	37.69	0.0	0.0
10.0	32.8	3.718	38.69	112.0	6.1
15.0	49.2	5.310	41.56	318.4	17.5
20.0	65.6	5.775	42.40	93.0	5.1
25.0	82.0	6.135	43.04	72.0	4.0
30.0	98.4	6.344	43.42	41.8	2.3
35.0	114.8	6.614	43.91	54.0	3.0
40.0	131.2	7.087	44.76	94.6	5.2
45.0	147.6	7.577	45.64	98.0	5.4
50.0	164.0	8.167	46.70	118.0	6.5
55.0	180.4	8.837	47.91	134.0	7.4
60.0	196.8	9.447	49.00	122.0	6.7
65.0	213.2	9.997	49.99	110.0	6.0
70.0	229.6	10.574	51.03	115.4	6.5
75.0	246.0	11.163	52.09	117.8	6.5
80.0	262.4	11.735	53.12	114.4	6.3
85.0	278.8	12.282	54.11	109.4	6.0
90.0	295.2	12.854	55.14	114.4	6.3
95.0	311.6	13.343	56.02	97.8	5.4
100.0	328.0	13.869	56.96	105.2	5.8
105.0	344.4	14.398	57.92	105.8	5.8
110.0	360.8	14.956	58.92	111.6	6.1
115.0	377.2	15.528	59.95	114.4	6.3
120.0	393.6	16.070	60.93	108.4	5.9
125.0	410.0	16.637	61.95	113.4	6.2
130.0	426.4	17.193	62.95	111.2	6.1
135.0	442.8	17.737	63.93	108.8	6.0
140.0	459.2	18.285	64.91	109.6	6.0
145.0	475.6	18.834	65.90	109.8	6.0
150.0	492.0	19.362	66.85	105.6	5.8
155.0	508.4	19.885	67.79	104.6	5.7
160.0	524.8	20.410	68.74	105.0	5.8
165.0	541.2	20.913	69.64	100.6	5.5
170.0	557.6	21.446	70.60	106.6	6.0
175.0	574.0	21.961	71.53	103.0	5.7
180.0	590.4	22.469	72.44	101.6	5.6
185.0	606.8	22.951	73.31	96.4	5.4
190.0	623.2	23.427	74.17	95.2	5.3
195.0	639.6	23.931	75.08	100.8	5.7
200.0	656.0	24.435	75.98	100.8	5.7
205.0	672.4	24.934	76.88	99.8	5.6

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LOCATION: THE DALLES AMS, OREGON

PAGE 2

2S/ 8E- 1CD

HOLE NAME: USGS-MCG

DATE MEASURED: 6/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
210.0	688.8	25.423	77.76	97.8	5.4
215.0	705.2	25.927	78.67	100.8	5.5
220.0	721.6	26.398	79.52	94.2	5.2
225.0	738.0	26.876	80.38	95.6	5.2
230.0	754.4	27.321	81.18	89.0	4.9
235.0	770.8	27.806	82.05	97.0	5.3
240.0	787.2	28.277	82.90	94.2	5.2
245.0	803.6	28.741	83.73	92.8	5.1
250.0	820.0	29.210	84.58	93.8	5.1
255.0	836.4	29.666	85.40	91.2	5.0
260.0	852.8	30.087	86.16	84.2	4.6
265.0	869.2	30.560	87.01	94.6	5.2
270.0	885.6	31.004	87.81	88.8	4.9
275.0	902.0	31.604	88.89	120.0	6.6
280.0	918.4	32.099	89.78	99.0	5.4
285.0	934.8	32.285	90.11	97.2	5.4
290.0	951.2	32.958	91.32	134.6	7.4
295.0	967.6	33.506	92.31	109.6	6.0
300.0	984.0	34.031	93.26	105.0	6.0
305.0	1000.4	34.567	94.22	107.2	6.0
310.0	1016.8	35.075	95.13	101.6	5.6
315.0	1033.2	35.525	95.94	90.0	4.9
320.0	1049.6	35.997	96.79	94.4	4.9
325.0	1066.0	36.462	97.63	93.0	5.1
330.0	1082.4	36.895	98.41	86.6	4.8
335.0	1098.8	37.326	99.19	86.2	4.7
340.0	1115.2	37.813	100.06	97.4	5.3
345.0	1131.6	38.245	100.84	86.4	4.7
350.0	1148.0	38.686	101.63	88.2	4.8
355.0	1164.4	39.131	102.44	89.0	4.8
360.0	1180.8	39.618	103.31	97.4	5.3
365.0	1197.2	40.108	104.19	98.0	5.4
370.0	1213.6	40.587	105.06	95.8	5.3
375.0	1230.0	41.074	105.93	97.4	5.3
380.0	1246.4	41.527	106.75	90.6	5.0
385.0	1262.8	41.974	107.55	89.4	4.9
390.0	1279.2	42.392	108.31	83.6	4.4
395.0	1295.6	42.804	109.05	82.4	4.4
400.0	1312.0	43.287	109.92	96.6	5.3
405.0	1328.4	43.688	110.64	80.2	4.4
410.0	1344.8	43.912	111.04	44.8	2.5

h9

LOCATION: THE DALLES AMS, OREGON

PAGE 3

2S/ BE- 1CD

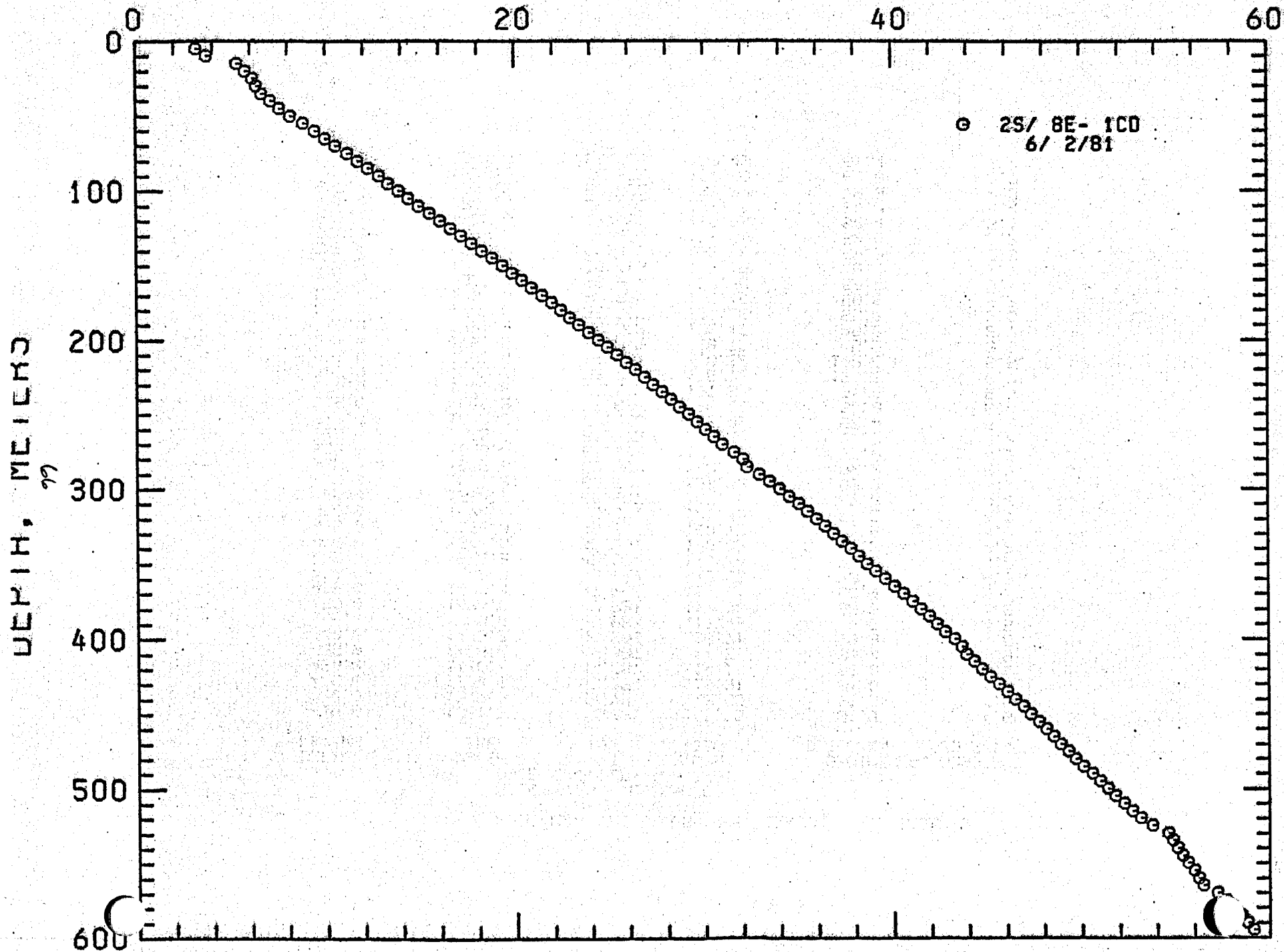
HOLE NAME: USGS-MCG

DATE MEASURED: 6/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
415.0	1361.2	44.321	111.78	61.8	4.5
420.0	1377.6	44.754	112.56	66.6	4.8
425.0	1394.0	45.174	113.31	64.0	4.6
430.0	1410.4	45.637	114.15	92.6	5.1
435.0	1426.8	46.087	114.96	90.0	4.9
440.0	1443.2	46.506	115.71	83.8	4.6
445.0	1459.6	46.920	116.46	82.8	4.5
450.0	1476.0	47.331	117.20	82.2	4.5
455.0	1492.4	47.743	117.94	82.4	4.5
460.0	1508.8	48.137	118.65	78.8	4.3
465.0	1525.2	48.521	119.34	76.8	4.2
470.0	1541.6	48.907	120.03	77.2	4.2
475.0	1558.0	49.295	120.73	77.6	4.3
480.0	1574.4	49.671	121.41	75.2	4.1
485.0	1590.8	50.107	122.19	87.2	4.8
490.0	1607.2	50.571	123.03	92.8	5.1
495.0	1623.6	50.997	123.79	85.2	4.7
500.0	1640.0	51.392	124.51	79.8	4.3
505.0	1656.4	51.778	125.20	77.2	4.2
510.0	1672.8	52.240	126.03	92.4	5.1
515.0	1689.2	52.694	126.85	90.8	5.0
520.0	1705.6	53.152	127.67	91.8	5.0
525.0	1722.0	53.758	128.76	121.2	6.7
530.0	1738.4	54.621	130.32	172.8	9.9
535.0	1754.8	54.847	130.72	45.2	3.5
540.0	1771.2	55.092	131.17	40.0	3.2
545.0	1787.6	55.367	131.66	55.8	3.9
550.0	1804.0	55.661	132.19	58.8	4.2
555.0	1820.4	55.973	132.75	62.4	4.4
560.0	1836.8	56.215	133.19	48.4	3.7
565.0	1853.2	56.479	133.66	52.8	3.9
570.0	1869.6	57.229	135.01	150.0	9.9
575.0	1886.0	57.691	135.84	92.4	5.1
580.0	1902.4	58.092	136.57	80.2	4.4
585.0	1918.8	58.482	137.27	78.0	4.3
590.0	1935.2	58.822	137.89	68.0	3.7
595.0	1951.6	59.129	138.43	61.4	3.4

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TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, OREGON

2S/ BE-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	8.028	46.45	0.0	0.0
3.0	7.9	7.951	46.31	-77.0	-4.2
4.0	13.1	7.762	45.97	-189.0	-10.4
5.0	16.4	7.591	45.66	-171.0	-9.4
6.0	19.7	7.447	45.40	-144.0	-7.9
7.0	23.0	7.323	45.18	-124.0	-6.8
8.0	26.3	7.211	44.98	-112.0	-6.1
9.0	29.6	7.107	44.79	-104.0	-5.7
10.0	32.8	7.014	44.63	-93.0	-5.1
11.0	36.1	6.942	44.50	-72.0	-4.0
12.0	39.4	6.885	44.39	-57.0	-3.1
13.0	42.6	6.847	44.32	-38.0	-2.0
14.0	45.9	6.813	44.26	-34.0	-1.9
15.0	49.2	6.785	44.21	-28.0	-1.5
16.0	52.5	6.769	44.18	-16.0	-0.9
17.0	55.8	6.758	44.16	-11.0	-0.6
18.0	59.1	6.745	44.14	-13.0	-0.7
19.0	62.4	6.732	44.12	-13.0	-0.7
20.0	65.7	6.723	44.10	-9.0	-0.5
21.0	69.0	6.717	44.09	-6.0	-0.3
22.0	72.3	6.709	44.08	-5.0	-0.3
23.0	75.6	6.696	44.05	-13.0	-0.7
24.0	78.9	6.681	44.03	-15.0	-0.8
25.0	82.2	6.667	44.00	-14.0	-0.8
26.0	85.5	6.653	43.98	-14.0	-0.8
27.0	88.8	6.640	43.95	-13.0	-0.7
28.0	92.1	6.623	43.92	-17.0	-0.9
29.0	95.4	6.609	43.90	-14.0	-0.8
30.0	98.7	6.590	43.86	-19.0	-1.0
31.0	101.7	6.576	43.84	-14.0	-0.8
32.0	105.0	6.566	43.82	-10.0	-0.6
33.0	108.3	6.559	43.81	-7.0	-0.4
34.0	111.5	6.553	43.80	-6.0	-0.3
35.0	114.8	6.550	43.79	-6.0	-0.3
36.0	118.1	6.546	43.78	-4.0	-0.2
37.0	121.4	6.543	43.78	-3.0	-0.2
38.0	124.6	6.539	43.77	-4.0	-0.2
39.0	127.9	6.532	43.76	-7.0	-0.4
40.0	131.2	6.523	43.76	1.0	0.1
41.0	134.5	6.534	43.76	1.0	0.1
42.0	137.8	6.541	43.77	7.0	0.4

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LOCATION: THE DALLES AMS, OREGON

PAGE 2

25/ BE-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	6.552	43.79	11.0	0.6
44.0	144.0	6.569	43.82	17.0	0.9
45.0	147.6	6.585	43.85	16.0	0.9
46.0	150.9	6.608	43.89	23.0	1.3
47.0	154.2	6.636	43.94	28.0	1.5
48.0	157.4	6.672	44.01	36.0	2.1
49.0	160.7	7.077	44.74	405.0	22.2
50.0	164.0	7.143	44.86	66.0	3.7
51.0	167.3	7.249	45.05	106.0	5.9
52.0	170.6	7.361	45.25	112.0	6.1
53.0	173.9	7.404	45.33	43.0	2.4
54.0	177.1	7.550	45.59	146.0	8.0
55.0	180.4	7.682	45.83	132.0	7.4
56.0	183.7	7.838	46.11	156.0	8.6
57.0	187.0	8.024	46.44	186.0	10.5
58.0	190.3	8.197	46.75	173.0	9.5
59.0	193.6	8.313	46.96	116.0	6.4
60.0	196.9	8.450	47.23	177.0	9.7
61.0	200.1	8.621	47.52	131.0	7.2
62.0	203.4	8.795	47.83	174.0	9.9
63.0	206.6	8.944	48.10	149.0	8.2
64.0	209.9	9.067	48.32	123.0	6.8
65.0	213.2	9.184	48.53	117.0	6.4
66.0	216.5	9.315	48.77	131.0	7.4
67.0	219.8	9.425	48.96	110.0	6.0
68.0	223.1	9.479	49.06	54.0	3.0
69.0	226.4	9.640	49.35	161.0	8.9
70.0	229.7	9.760	49.57	120.0	6.6
71.0	233.0	9.890	49.80	130.0	7.1
72.0	236.3	9.997	49.99	107.0	5.9
73.0	239.6	10.112	50.20	115.0	6.5
74.0	242.9	10.233	50.42	121.0	6.6
75.0	246.2	10.321	50.58	88.0	4.4
76.0	249.5	10.338	50.61	17.0	0.9
77.0	252.8	10.415	50.75	77.0	4.4
78.0	256.1	10.548	50.99	133.0	7.3
79.0	259.4	10.670	51.21	122.0	6.7
80.0	262.7	10.716	51.29	46.0	2.5
81.0	266.0	10.850	51.53	134.0	7.4
82.0	269.3	10.937	51.69	87.0	4.8
83.0	272.6	11.045	51.88	108.0	5.9

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LOCATION: THE DALLES AMS, OREGON
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PAGE 3

HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	11.124	52.02	79.0	4.3
85.0	278.0	11.225	52.21	101.0	5.55
86.0	282.1	11.368	52.46	143.0	7.8
87.0	285.4	11.447	52.60	79.0	4.3
88.0	288.6	11.520	52.74	73.0	4.0
89.0	291.9	11.629	52.93	109.0	6.0
90.0	295.2	11.719	53.09	90.0	4.9
91.0	298.5	11.828	53.29	109.0	6.0
92.0	301.8	11.909	53.44	81.0	4.4
93.0	305.0	12.014	53.63	105.0	5.5
94.0	308.3	12.091	53.76	77.0	4.2
95.0	311.6	12.173	53.91	82.0	4.5
96.0	314.9	12.266	54.08	93.0	5.1
97.0	318.2	12.365	54.26	99.0	5.4
98.0	321.4	12.466	54.44	101.0	5.5
99.0	324.7	12.518	54.53	52.0	2.9
100.0	328.0	12.608	54.69	98.0	5.4
101.0	331.3	12.698	54.86	98.0	5.4
102.0	334.6	12.750	54.95	52.0	2.9
103.0	337.8	12.838	55.11	88.0	4.4
104.0	341.1	12.905	55.23	67.0	3.7
105.0	344.4	12.998	55.40	93.0	5.1
106.0	347.7	13.062	55.51	64.0	3.3
107.0	351.0	13.144	55.66	62.0	3.4
108.0	354.2	13.209	55.78	65.0	3.6
109.0	357.5	13.292	55.93	83.0	4.4
110.0	360.8	13.387	56.10	95.0	5.2
111.0	364.1	13.449	56.21	62.0	3.4
112.0	367.4	13.530	56.35	81.0	4.4
113.0	370.6	13.604	56.49	74.0	4.1
114.0	373.9	13.675	56.62	71.0	3.9
115.0	377.2	13.759	56.77	84.0	4.6
116.0	380.5	13.838	56.91	79.0	4.3
117.0	383.8	13.908	57.03	70.0	3.8
118.0	387.0	13.989	57.18	81.0	4.4
119.0	390.3	14.078	57.34	89.0	4.9
120.0	393.6	14.147	57.46	69.0	3.8
121.0	396.9	14.231	57.62	84.0	4.4
122.0	400.2	14.296	57.73	65.0	3.6
123.0	403.4	14.378	57.88	82.0	4.4
124.0	406.7	14.444	58.00	66.0	3.6

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LOCATION: THE DALLES AMS, OREGON

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2S/ BE-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	14.535	58.16	91.0	5.0
126.0	413.3	14.606	58.29	71.0	4.0
127.0	416.6	14.679	58.42	73.0	4.0
128.0	419.0	14.759	58.57	80.0	4.4
129.0	423.1	14.840	58.71	81.0	4.4
130.0	426.4	14.918	58.85	78.0	4.4
131.0	429.7	14.984	58.97	66.0	3.9
132.0	433.0	15.074	59.13	90.0	4.4
133.0	436.3	15.158	59.28	84.0	4.4
134.0	439.6	15.221	59.40	63.0	3.9
135.0	442.9	15.296	59.53	75.0	4.4
136.0	446.1	15.383	59.69	67.0	4.4
137.0	449.4	15.446	59.80	63.0	4.4
138.0	452.7	15.524	59.94	78.0	4.4
139.0	455.9	15.594	60.07	70.0	4.4
140.0	459.2	15.666	60.20	71.0	4.4
141.0	462.4	15.743	60.34	78.0	4.4
142.0	465.7	15.834	60.50	91.0	4.4
143.0	469.0	15.893	60.61	59.0	3.9
144.0	472.2	15.963	60.73	70.0	4.4
145.0	475.5	16.042	60.88	73.0	4.4
146.0	478.7	16.102	60.98	60.0	4.4
147.0	482.0	16.177	61.12	75.0	4.4
148.0	485.2	16.238	61.23	61.0	4.4
149.0	488.5	16.315	61.37	77.0	4.4
150.0	492.0	16.385	61.49	70.0	4.4
151.0	495.3	16.472	61.65	87.0	4.4
152.0	498.6	16.542	61.78	70.0	4.4
153.0	501.9	16.616	61.91	74.0	4.4
154.0	505.1	16.680	62.02	64.0	4.4
155.0	508.4	16.741	62.13	61.0	4.4
156.0	511.7	16.834	62.30	90.0	4.4
157.0	515.0	16.896	62.41	62.0	4.4
158.0	518.2	16.963	62.53	67.0	4.4
159.0	521.5	17.035	62.66	72.0	4.4
160.0	524.8	17.103	62.78	68.0	4.4
161.0	528.1	17.248	62.85	72.0	4.4
162.0	531.4	17.403	63.33	77.0	4.4
163.0	534.7	17.546	63.58	71.0	4.4
164.0	538.0	17.681	63.83	67.0	4.4
165.0	541.3	17.837	64.11	78.0	4.4

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LOCATION: THE DALLES AMS, OREGON
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PAGE 5

HOLE NAME: DOECMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
171.0	560.9	17.898	64.22	61.0	3.3
172.0	564.2	17.975	64.36	77.0	4.4
173.0	567.4	18.066	64.52	91.0	5.5
174.0	570.7	18.134	64.64	68.0	3.7
175.0	574.0	18.213	64.78	79.0	4.4
176.0	577.3	18.272	64.89	59.0	3.3
177.0	580.6	18.357	65.04	85.0	4.4
178.0	583.8	18.438	65.19	81.0	4.4
179.0	587.1	18.516	65.33	78.0	4.4
180.0	590.4	18.587	65.46	71.0	3.3
181.0	593.7	18.654	65.58	67.0	3.3
182.0	597.0	18.747	65.74	93.0	4.4
183.0	600.2	18.811	65.86	64.0	3.3
184.0	603.5	18.890	66.00	79.0	4.4
185.0	606.8	18.986	66.17	96.0	4.4
186.0	610.1	19.040	66.27	54.0	3.3
187.0	613.4	19.116	66.41	76.0	4.4
188.0	616.6	19.184	66.53	68.0	4.4
189.0	619.9	19.270	66.69	86.0	4.4
190.0	623.2	19.320	66.78	88.0	4.4
191.0	626.5	19.415	66.95	95.0	4.4
192.0	629.8	19.490	67.08	75.0	4.4
193.0	633.0	19.571	67.23	81.0	4.4
194.0	636.3	19.661	67.39	98.0	4.4
195.0	639.6	19.724	67.50	63.0	4.4
196.0	642.9	19.769	67.58	45.0	4.4
197.0	646.2	19.843	67.72	74.0	4.4
198.0	649.4	19.903	67.83	68.0	4.4
199.0	652.7	19.983	67.97	88.0	4.4
200.0	656.0	20.057	68.10	74.0	4.4
201.0	659.3	20.107	68.19	58.0	4.4
202.0	662.6	20.179	68.32	72.0	4.4
203.0	665.8	20.291	68.51	102.0	4.4
204.0	669.1	20.340	68.61	59.0	4.4
205.0	672.4	20.401	68.72	61.0	4.4
206.0	675.7	20.460	68.83	59.0	4.4
207.0	679.0	20.536	68.96	76.0	4.4
208.0	682.2	20.606	69.09	70.0	4.4
209.0	685.5	20.669	69.20	62.0	4.4
210.0	688.8	20.758	69.36	89.0	4.4
211.0	692.1	20.831	69.50	73.0	4.4

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LOCATION: THE DALLES AMS, OREGON

PAGE 6

HOLE NAME: DOBOM7A
 DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
695.4	212.0	20.893	69.61	62.0	3.4
699.6	213.0	20.945	69.70	62.0	3.4
701.9	214.0	21.024	69.84	62.0	3.4
705.5	215.0	21.094	69.97	62.0	3.4
709.9	216.0	21.177	70.12	62.0	3.4
711.8	217.0	21.249	70.25	62.0	3.4
715.0	218.0	21.300	70.34	62.0	3.4
718.3	219.0	21.362	70.45	62.0	3.4
721.0	220.0	21.426	70.57	62.0	3.4
724.9	221.0	21.500	70.74	62.0	3.4
728.8	222.0	21.580	70.94	62.0	3.4
731.4	223.0	21.655	70.99	62.0	3.4
734.7	224.0	21.723	71.10	62.0	3.4
738.0	225.0	21.789	71.22	62.0	3.4
741.3	226.0	21.853	71.34	62.0	3.4
744.6	227.0	21.917	71.45	62.0	3.4
747.8	228.0	21.986	71.58	62.0	3.4
751.1	229.0	22.066	71.72	62.0	3.4
754.4	230.0	22.113	71.80	62.0	3.4
757.7	231.0	22.186	71.93	62.0	3.4
761.0	232.0	22.259	72.07	62.0	3.4
764.3	233.0	22.331	72.20	62.0	3.4
767.5	234.0	22.397	72.31	62.0	3.4
770.8	235.0	22.432	72.38	62.0	3.4
774.1	236.0	22.532	72.58	62.0	3.4
777.4	237.0	22.594	72.67	62.0	3.4
780.6	238.0	22.655	72.80	62.0	3.4
783.9	239.0	22.700	72.88	62.0	3.4
787.2	240.0	22.806	73.08	62.0	3.4
790.5	241.0	22.913	73.24	62.0	3.4
793.8	242.0	22.970	73.35	62.0	3.4
797.1	243.0	23.010	73.43	62.0	3.4
800.4	244.0	23.079	73.54	62.0	3.4
803.7	245.0	23.137	73.65	62.0	3.4
806.0	246.0	23.237	73.83	62.0	3.4
810.3	247.0	23.322	73.99	62.0	3.4
813.6	248.0	23.356	74.04	62.0	3.4
816.9	249.0	23.413	74.14	62.0	3.4
820.2	250.0	23.504	74.31	62.0	3.4
823.5	251.0	23.582	74.45	62.0	3.4
826.8	252.0	23.674	74.61	62.0	3.4

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LOCATION: THE DALLES AMS, OREGON
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PAGE 7

HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
253.0	829.8	23.724	74.70	50.0	2.7
254.0	833.1	23.782	74.81	50.0	2.7
255.0	836.4	23.835	74.90	53.0	2.9
256.0	839.7	23.926	75.07	91.0	5.0
257.0	843.0	24.013	75.22	87.0	4.8
258.0	846.2	24.074	75.33	61.0	3.3
259.0	849.5	24.146	75.46	72.0	4.0
260.0	852.8	24.200	75.56	54.0	3.0
261.0	856.1	24.282	75.71	82.0	4.5
262.0	859.4	24.343	75.82	61.0	3.3
263.0	862.6	24.420	75.96	77.0	4.4
264.0	865.9	24.480	76.06	60.0	3.3
265.0	869.2	24.559	76.21	79.0	4.4
266.0	872.5	24.618	76.31	59.0	3.3
267.0	875.8	24.686	76.43	68.0	3.9
268.0	879.0	24.775	76.59	89.0	4.4
269.0	882.3	24.863	76.75	88.0	4.4
270.0	885.6	24.931	76.88	68.0	3.3
271.0	888.9	24.997	76.99	66.0	3.3
272.0	892.2	25.075	77.13	78.0	4.4
273.0	895.4	25.161	77.29	86.0	4.4
274.0	898.7	25.238	77.43	77.0	4.4
275.0	902.0	25.296	77.53	58.0	3.3
276.0	905.3	25.361	77.65	65.0	3.3
277.0	908.6	25.453	77.82	92.0	5.0
278.0	911.8	25.534	77.96	81.0	4.4
279.0	915.1	25.586	78.05	52.0	3.3
280.0	918.4	25.657	78.18	71.0	4.4
281.0	921.7	25.703	78.27	46.0	3.3
282.0	925.0	25.761	78.37	58.0	3.3
283.0	928.2	25.849	78.53	88.0	4.4
284.0	931.5	25.915	78.65	66.0	3.3
285.0	934.8	26.039	78.87	124.0	6.6
286.0	938.1	26.104	78.99	65.0	3.3
287.0	941.4	26.155	79.08	51.0	3.3
288.0	944.6	26.273	79.29	118.0	5.0
289.0	947.9	26.338	79.41	65.0	3.3
290.0	951.2	26.398	79.52	60.0	3.3
291.0	954.5	26.475	79.66	77.0	4.4
292.0	957.8	26.542	79.78	67.0	3.3
293.0	961.0	26.621	79.92	79.0	4.4

LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEMP7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
294.0	964.3	26.691	80.04	70.0	3.8
295.0	967.6	26.765	80.18	74.0	4.1
296.0	970.9	26.826	80.29	61.0	3.3
297.0	974.2	26.915	80.45	89.0	4.3
298.0	977.4	26.979	80.56	64.0	3.5
299.0	980.7	27.050	80.69	71.0	3.7
300.0	984.0	27.153	80.88	103.0	5.7
301.0	987.3	27.194	80.95	41.0	2.3
302.0	990.6	27.303	81.15	103.0	5.7
303.0	993.9	27.341	81.21	38.0	2.1
304.0	997.1	27.419	81.35	78.0	4.1
305.0	1000.4	27.500	81.50	81.0	4.3
306.0	1003.7	27.593	81.67	93.0	5.1
307.0	1007.0	27.632	81.74	33.0	1.6
308.0	1010.3	27.694	81.85	63.0	3.1
309.0	1013.6	27.789	82.02	95.0	5.4
310.0	1016.9	27.834	82.10	45.0	2.5
311.0	1020.1	27.888	82.20	54.0	3.0
312.0	1023.4	27.976	82.36	88.0	4.8
313.0	1026.7	28.053	82.50	77.0	4.2
314.0	1029.9	28.113	82.60	66.0	3.5
315.0	1033.2	28.161	82.69	48.0	2.6
316.0	1036.5	28.240	82.83	73.0	4.0
317.0	1039.8	28.308	82.95	68.0	3.5
318.0	1043.0	28.397	83.11	89.0	4.9
319.0	1046.3	28.451	83.21	54.0	2.9
320.0	1049.6	28.515	83.33	64.0	3.4
321.0	1052.9	28.628	83.53	113.0	6.2
322.0	1056.2	28.698	83.64	60.0	3.0
323.0	1059.4	28.733	83.72	45.0	2.5
324.0	1062.7	28.817	83.87	84.0	4.4
325.0	1066.0	28.951	83.95	44.0	2.4
326.0	1069.3	28.946	84.10	85.0	4.7
327.0	1072.6	28.903	84.21	57.0	3.1
328.0	1075.9	28.974	84.33	71.0	3.7
329.0	1079.1	28.123	84.42	49.0	2.6
330.0	1082.4	28.191	84.54	69.0	3.7
331.0	1085.7	28.272	84.69	81.0	4.4
332.0	1089.0	28.335	84.80	63.0	3.4
333.0	1092.3	28.402	84.92	67.0	3.7
334.0	1095.6	28.491	85.08	89.0	4.9

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LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: DOEDMF7A
 DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEO THERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
335.0	1098.0	29.554	85.20	63.0	3.5
336.0	1102.1	29.624	85.32	70.0	3.8
337.0	1105.4	29.711	85.48	87.0	4.8
338.0	1108.6	29.785	85.61	74.0	4.1
339.0	1111.9	29.850	85.73	65.0	3.6
340.0	1115.2	29.903	85.83	53.0	3.0
341.0	1118.5	29.958	85.92	55.0	3.0
342.0	1121.8	30.060	86.11	102.0	5.6
343.0	1125.0	30.102	86.18	42.0	2.3
344.0	1128.3	30.203	86.37	101.0	5.5
345.0	1131.6	30.258	86.46	55.0	3.0
346.0	1134.9	30.313	86.56	55.0	3.0
347.0	1138.2	30.370	86.67	57.0	3.1
348.0	1141.4	30.429	86.77	59.0	3.2
349.0	1144.7	30.513	86.92	84.0	4.6
350.0	1148.0	30.585	87.05	72.0	4.0
351.0	1151.3	30.668	87.20	83.0	4.6
352.0	1154.6	30.727	87.31	59.0	3.2
353.0	1157.8	30.830	87.49	103.0	5.7
354.0	1161.1	30.898	87.62	68.0	3.7
355.0	1164.4	30.989	87.78	91.0	5.0
356.0	1167.7	31.069	87.92	88.0	4.4
357.0	1171.0	31.125	88.03	56.0	3.1
358.0	1174.2	31.215	88.19	98.0	4.9
359.0	1177.5	31.270	88.29	55.0	3.0
360.0	1180.8	31.364	88.46	94.0	5.2
361.0	1184.1	31.440	88.59	76.0	4.2
362.0	1187.4	31.497	88.69	57.0	3.1
363.0	1190.6	31.612	88.90	115.0	6.3
364.0	1193.9	31.683	89.03	71.0	3.9
365.0	1197.2	31.760	89.17	77.0	4.2
366.0	1200.5	31.848	89.33	88.0	4.8
367.0	1203.8	31.885	89.39	37.0	2.0
368.0	1207.0	31.991	89.58	106.0	5.8
369.0	1210.3	32.064	89.72	73.0	4.0
370.0	1213.6	32.092	89.77	28.0	1.5
371.0	1216.9	32.157	89.88	65.0	3.6
372.0	1220.2	32.189	89.94	32.0	1.8
373.0	1223.4	32.222	90.00	33.0	1.8
374.0	1226.7	32.244	90.04	22.0	1.2
375.0	1230.0	32.284	90.11	40.0	2.2

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LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: DOEDMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
376.0	1233.3	32.341	90.21	57.0	9.1
377.0	1236.6	32.379	90.28	58.0	9.1
378.0	1239.8	32.449	90.41	70.0	9.1
379.0	1243.1	32.510	90.52	61.0	9.1
380.0	1246.4	32.571	90.63	61.0	9.1
381.0	1249.7	32.649	90.77	78.0	9.1
382.0	1253.0	32.729	90.91	80.0	9.1
383.0	1256.2	32.764	90.98	95.0	9.1
384.0	1259.5	32.857	91.14	93.0	9.1
385.0	1262.8	32.900	91.22	43.0	9.1
386.0	1266.1	32.982	91.37	82.0	9.1
387.0	1269.4	33.037	91.47	55.0	9.1
388.0	1272.6	33.105	91.59	68.0	9.1
389.0	1275.9	33.187	91.74	82.0	9.1
390.0	1279.2	33.260	91.87	73.0	9.1
391.0	1282.5	33.328	91.99	68.0	9.1
392.0	1285.8	33.424	92.16	96.0	9.1
393.0	1289.0	33.501	92.30	77.0	9.1
394.0	1292.3	33.562	92.41	61.0	9.1
395.0	1295.6	33.642	92.56	80.0	9.1
396.0	1298.9	33.718	92.69	76.0	9.1
397.0	1302.2	33.792	92.83	74.0	9.1
398.0	1305.4	33.896	93.01	104.0	9.1
399.0	1308.7	33.960	93.13	64.0	9.1
400.0	1312.0	34.036	93.26	76.0	9.1
401.0	1315.3	34.122	93.42	86.0	9.1
402.0	1318.6	34.179	93.52	57.0	9.1
403.0	1321.8	34.246	93.64	67.0	9.1
404.0	1325.1	34.309	93.76	63.0	9.1
405.0	1328.4	34.374	93.87	65.0	9.1
406.0	1331.7	34.450	94.01	76.0	9.1
407.0	1335.0	34.536	94.16	86.0	9.1
408.0	1338.2	34.602	94.28	66.0	9.1
409.0	1341.5	34.671	94.41	69.0	9.1
410.0	1344.8	34.748	94.55	77.0	9.1
411.0	1348.1	34.807	94.65	59.0	9.1
412.0	1351.4	34.880	94.78	73.0	9.1
413.0	1354.6	34.927	94.87	47.0	9.1
414.0	1357.9	34.963	94.93	36.0	9.1
415.0	1361.2	35.018	95.03	55.0	9.1
416.0	1364.5	35.091	95.16	73.0	9.1

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
417.0	1367.8	35.149	95.27	58.0	5.2
418.0	1371.0	35.198	95.36	49.0	5.2
419.0	1374.3	35.230	95.52	92.0	5.3
420.0	1377.6	35.358	95.64	68.0	5.3
421.0	1380.9	35.435	95.78	77.0	5.4
422.0	1384.2	35.525	95.94	90.0	5.4
423.0	1387.4	35.570	96.03	45.0	5.4
424.0	1390.7	35.638	96.15	68.0	5.4
425.0	1394.0	35.705	96.27	67.0	5.4
426.0	1397.3	35.801	96.44	96.0	5.4
427.0	1400.6	35.878	96.58	77.0	5.4
428.0	1403.8	35.955	96.72	77.0	5.4
429.0	1407.1	35.993	96.79	38.0	5.4
430.0	1410.4	36.097	96.97	104.0	5.4
431.0	1413.7	36.159	97.09	62.0	5.4
432.0	1417.0	36.249	97.25	98.0	5.4
433.0	1420.2	36.340	97.41	91.0	5.4
434.0	1423.5	36.426	97.57	86.0	5.4
435.0	1426.8	36.496	97.69	78.0	5.4
436.0	1430.1	36.575	97.84	78.0	5.4
437.0	1433.4	36.634	97.94	59.0	5.4
438.0	1436.6	36.696	98.05	62.0	5.4
439.0	1439.9	36.781	98.21	85.0	5.4
440.0	1443.2	36.871	98.37	98.0	5.4
441.0	1446.5	36.926	98.47	55.0	5.4
442.0	1449.8	37.007	98.61	81.0	5.4
443.0	1453.0	37.076	98.74	69.0	5.4
444.0	1456.3	37.169	98.90	93.0	5.4
445.0	1459.6	37.214	98.99	45.0	5.4
446.0	1462.9	37.282	99.11	68.0	5.4
447.0	1466.2	37.366	99.26	84.0	5.4
448.0	1469.4	37.421	99.36	55.0	5.4
449.0	1472.7	37.499	99.50	78.0	5.4
450.0	1476.0	37.563	99.61	64.0	5.4
451.0	1479.3	37.640	99.75	77.0	5.4
452.0	1482.6	37.698	99.86	58.0	5.4
453.0	1485.8	37.796	100.03	98.0	5.4
454.0	1489.1	37.866	100.16	70.0	5.4
455.0	1492.4	37.964	100.34	98.0	5.4
456.0	1495.7	38.032	100.46	68.0	5.4
457.0	1499.0	38.124	100.62	92.0	5.4

LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEDMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
458.0	1502.2	38.181	100.73	57.0	9.1
459.0	1505.5	38.260	100.87	78.0	4.4
460.0	1508.8	38.359	101.05	99.0	5.4
461.0	1512.1	38.420	101.16	61.0	3.3
462.0	1515.4	38.481	101.27	120.0	6.6
463.0	1518.6	38.601	101.48	75.0	4.4
464.0	1521.9	38.676	101.62	77.0	4.4
465.0	1525.2	38.753	101.76	80.0	4.4
466.0	1528.5	38.833	101.90	97.0	4.4
467.0	1531.8	38.930	102.07	59.0	4.4
468.0	1535.0	38.989	102.18	62.0	4.4
469.0	1538.3	39.051	102.29	76.0	4.4
470.0	1541.6	39.127	102.43	87.0	4.4
471.0	1544.9	39.214	102.59	68.0	4.4
472.0	1548.2	39.282	102.71	68.0	4.4
473.0	1551.4	39.335	102.80	53.0	4.4
474.0	1554.7	39.425	102.97	98.0	4.4
475.0	1558.0	39.503	103.11	78.0	4.4
476.0	1561.3	39.581	103.25	78.0	4.4
477.0	1564.6	39.652	103.37	71.0	4.4
478.0	1567.8	39.731	103.52	79.0	4.4
479.0	1571.1	39.812	103.66	81.0	4.4
480.0	1574.4	39.912	103.84	100.0	4.4
481.0	1577.7	39.990	103.98	78.0	4.4
482.0	1581.0	40.058	104.10	68.0	4.4
483.0	1584.2	40.115	104.21	57.0	4.4
484.0	1587.5	40.155	104.28	40.0	4.4
485.0	1590.8	40.240	104.43	88.0	4.4
486.0	1594.1	40.335	104.60	95.0	4.4
487.0	1597.4	40.407	104.73	72.0	4.4
488.0	1600.6	40.461	104.83	54.0	4.4
489.0	1603.9	40.549	104.99	88.0	4.4
490.0	1607.2	40.638	105.15	89.0	4.4
491.0	1610.5	40.703	105.27	65.0	4.4
492.0	1613.8	40.776	105.40	73.0	4.4
493.0	1617.0	40.864	105.56	88.0	4.4
494.0	1620.3	40.911	105.64	47.0	4.4
495.0	1623.6	40.981	105.77	70.0	4.4
496.0	1626.9	41.074	105.93	93.0	4.4
497.0	1630.2	41.137	106.05	63.0	4.4
498.0	1633.4	41.218	106.19	81.0	4.4

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LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: DOEDMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
499.0	1636.7	41.269	106.28	51.0	2.8
500.0	1640.0	41.376	106.48	107.0	5.9
501.0	1643.3	41.444	106.60	68.0	3.7
502.0	1646.6	41.497	106.69	53.0	2.9
503.0	1649.8	41.574	106.83	77.0	4.2
504.0	1653.1	41.654	106.98	80.0	4.4
505.0	1656.4	41.705	107.07	51.0	2.8
506.0	1659.7	41.789	107.22	84.0	4.6
507.0	1663.0	41.825	107.28	36.0	2.0
508.0	1666.2	41.903	107.43	78.0	4.3
509.0	1669.5	41.952	107.51	49.0	2.7
510.0	1672.8	42.008	107.61	56.0	3.1
511.0	1676.1	42.070	107.73	62.0	3.4
512.0	1679.4	42.173	107.91	103.0	5.7
513.0	1682.6	42.218	107.99	45.0	2.5
514.0	1685.9	42.290	108.12	72.0	4.0
515.0	1689.2	42.354	108.24	64.0	3.5
516.0	1692.5	42.398	108.32	44.0	2.4
517.0	1695.8	42.480	108.46	82.0	4.5
518.0	1699.0	42.539	108.57	59.0	3.2
519.0	1702.3	42.606	108.69	67.0	3.7
520.0	1705.6	42.673	108.82	73.0	4.0
521.0	1708.9	42.755	108.96	76.0	4.2
522.0	1712.2	42.846	109.12	91.0	5.0
523.0	1715.4	42.901	109.22	55.0	3.0
524.0	1718.7	42.973	109.35	72.0	4.0
525.0	1722.0	43.048	109.49	75.0	4.1
526.0	1725.3	43.113	109.60	65.0	3.5
527.0	1728.6	43.178	109.72	65.0	3.5
528.0	1731.8	43.261	109.87	83.0	4.6
529.0	1735.1	43.308	109.95	47.0	2.5
530.0	1738.4	43.383	110.09	75.0	4.1
531.0	1741.7	43.436	110.18	53.0	2.9
532.0	1745.0	43.508	110.31	72.0	4.0
533.0	1748.2	43.553	110.40	45.0	2.5
534.0	1751.5	43.625	110.53	72.0	4.0
535.0	1754.8	43.687	110.64	62.0	3.4
536.0	1758.1	43.767	110.78	80.0	4.4
537.0	1761.4	43.841	110.91	74.0	4.1
538.0	1764.6	43.889	111.00	48.0	2.5
539.0	1767.9	43.968	111.14	79.0	4.3

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOBOMF7A
 DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
540.0	1771.2	44.025	111.24	57.0	3.1
541.0	1774.5	44.096	111.35	61.0	3.3
542.0	1777.8	44.151	111.47	65.0	3.5
543.0	1781.0	44.209	111.58	69.0	3.7
544.0	1784.3	44.281	111.71	72.0	3.9
545.0	1787.6	44.329	111.79	76.0	4.1
546.0	1790.9	44.383	111.89	79.0	4.3
547.0	1794.2	44.459	112.03	83.0	4.5
548.0	1797.4	44.506	112.11	87.0	4.7
549.0	1800.7	44.556	112.23	90.0	4.9
550.0	1804.0	44.607	112.29	94.0	5.1
551.0	1807.3	44.677	112.42	97.0	5.3
552.0	1810.6	44.745	112.54	100.0	5.5
553.0	1813.8	44.806	112.65	103.0	5.7
554.0	1817.1	44.832	112.70	106.0	5.9
555.0	1820.4	44.942	112.90	110.0	6.1
556.0	1823.7	45.019	113.03	113.0	6.3
557.0	1827.0	45.095	113.17	116.0	6.5
558.0	1830.2	45.165	113.30	119.0	6.7
559.0	1833.5	45.241	113.43	122.0	6.9
560.0	1836.8	45.302	113.54	125.0	7.1
561.0	1840.1	45.376	113.68	128.0	7.3
562.0	1843.4	45.454	113.82	131.0	7.5
563.0	1846.6	45.544	113.98	134.0	7.7
564.0	1849.9	45.592	114.07	137.0	7.9
565.0	1853.2	45.665	114.20	140.0	8.1
566.0	1856.5	45.739	114.33	143.0	8.3
567.0	1859.8	45.797	114.43	146.0	8.5
568.0	1863.0	45.872	114.57	149.0	8.7
569.0	1866.3	45.955	114.72	152.0	8.9
570.0	1869.6	45.996	114.79	155.0	9.1
571.0	1872.9	46.086	114.95	158.0	9.3
572.0	1876.2	46.154	115.08	161.0	9.5
573.0	1879.4	46.254	115.26	164.0	9.7
574.0	1882.7	46.294	115.33	167.0	9.9
575.0	1886.0	46.370	115.47	170.0	10.1
576.0	1889.3	46.447	115.60	173.0	10.3
577.0	1892.6	46.505	115.71	176.0	10.5
578.0	1895.8	46.578	115.84	179.0	10.7
579.0	1899.1	46.659	115.99	182.0	10.9
580.0	1902.4	46.716	116.09	185.0	11.1

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LOCATION: THE DALLES AMS, OREGON
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PAGE 15

HOLE NAME: DOEDMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
581.0	1905.7	46.797	116.23	81.0	4.4
582.0	1909.0	46.873	116.37	76.0	4.2
583.0	1912.2	46.926	116.47	53.0	2.9
584.0	1915.5	47.010	116.62	84.0	4.6
585.0	1918.8	47.077	116.74	67.0	3.7
586.0	1922.1	47.132	116.84	55.0	3.0
587.0	1925.4	47.182	116.93	50.0	2.7
588.0	1928.6	47.234	117.02	52.0	2.9
589.0	1931.9	47.300	117.14	66.0	3.6
590.0	1935.2	47.345	117.22	45.0	2.5
591.0	1938.5	47.403	117.33	58.0	3.2
592.0	1941.8	47.492	117.49	69.0	4.0
593.0	1945.0	47.546	117.58	54.0	3.0
594.0	1948.3	47.621	117.72	75.0	4.1
595.0	1951.6	47.682	117.83	61.0	3.3
596.0	1954.9	47.754	117.96	72.0	4.0
597.0	1958.2	47.818	118.07	64.0	3.5
598.0	1961.4	47.881	118.19	63.0	3.5
599.0	1964.7	47.944	118.30	63.0	3.5
600.0	1968.0	48.007	118.41	63.0	3.5
601.0	1971.3	48.080	118.54	73.0	4.0
602.0	1974.6	48.133	118.64	53.0	2.9
603.0	1977.8	48.199	118.76	66.0	3.6
604.0	1981.1	48.277	118.90	78.0	4.3
605.0	1984.4	48.365	119.06	88.0	4.8
606.0	1987.7	48.408	119.13	43.0	2.4
607.0	1991.0	48.483	119.27	75.0	4.1
608.0	1994.2	48.545	119.38	62.0	3.4
609.0	1997.5	48.592	119.47	47.0	2.6
610.0	2000.8	48.671	119.61	79.0	4.3
611.0	2004.1	48.752	119.75	81.0	4.4
612.0	2007.4	48.782	119.81	30.0	1.6
613.0	2010.6	48.870	119.97	88.0	4.8
614.0	2013.9	48.948	120.11	78.0	4.3
615.0	2017.2	49.010	120.22	62.0	3.4
616.0	2020.5	49.091	120.36	81.0	4.4
617.0	2023.8	49.164	120.50	73.0	4.0
618.0	2027.0	49.204	120.57	40.0	2.2
619.0	2030.3	49.302	120.74	98.0	5.4
620.0	2033.6	49.340	120.81	38.0	2.1
621.0	2036.9	49.386	120.89	46.0	2.5

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEOM7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
622.0	2040.2	49.457	121.02	71.0	9.9
623.0	2043.4	49.529	121.15	72.0	4.0
624.0	2046.7	49.580	121.24	51.0	2.0
625.0	2050.0	49.645	121.36	65.0	9.8
626.0	2053.3	49.727	121.51	82.0	4.4
627.0	2056.6	49.794	121.63	67.0	7.7
628.0	2059.8	49.849	121.73	55.0	9.9
629.0	2063.1	49.906	121.83	57.0	9.9
630.0	2066.4	49.952	121.91	46.0	9.9
631.0	2069.7	50.017	122.03	65.0	9.9
632.0	2073.0	50.062	122.11	45.0	9.9
634.0	2079.5	50.090	122.16	28.0	1.1
635.0	2082.8	50.134	122.24	44.0	4.4
636.0	2086.1	50.191	122.34	57.0	4.4
637.0	2089.4	50.222	122.40	31.0	1.1
638.0	2092.6	50.286	122.51	64.0	9.9
639.0	2095.9	50.347	122.62	61.0	9.9
640.0	2099.2	50.388	122.68	33.0	1.1
641.0	2102.5	50.445	122.80	68.0	9.9
642.0	2105.8	50.515	122.93	70.0	9.9
643.0	2109.0	50.577	123.04	62.0	9.9
644.0	2112.3	50.604	123.09	27.0	1.1
645.0	2115.6	50.685	123.23	81.0	4.4
646.0	2118.9	50.751	123.37	76.0	4.4
647.0	2122.2	50.819	123.47	58.0	9.9
648.0	2125.4	50.869	123.56	50.0	9.9
649.0	2128.7	50.910	123.64	41.0	9.9
650.0	2132.0	50.970	123.75	60.0	9.9
651.0	2135.3	51.023	123.84	53.0	9.9
652.0	2138.6	51.047	123.88	24.0	1.1
653.0	2141.8	51.134	124.04	97.0	4.4
654.0	2145.1	51.168	124.10	34.0	1.1
655.0	2148.4	51.247	124.24	79.0	4.4
656.0	2151.7	51.302	124.34	55.0	9.9
657.0	2155.0	51.396	124.51	94.0	9.9
658.0	2158.2	51.468	124.64	72.0	4.4
659.0	2161.5	51.525	124.74	57.0	9.9
660.0	2164.8	51.570	124.83	45.0	9.9
661.0	2168.1	51.637	124.95	67.0	9.9
662.0	2171.4	51.712	125.08	75.0	4.4
		51.773	125.19	61.0	9.9

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LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: DOECMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
663.0	2174.6	51.840	125.31	67.0	3.7
664.0	2177.9	51.906	125.43	66.0	3.6
665.0	2181.2	51.989	125.58	62.0	3.5
666.0	2184.5	52.064	125.72	76.0	4.2
667.0	2187.8	52.090	125.76	26.0	1.4
668.0	2191.0	52.163	125.89	73.0	4.1
669.0	2194.3	52.249	126.05	66.0	3.6
670.0	2197.6	52.332	126.20	83.0	4.6
671.0	2200.9	52.410	126.34	78.0	4.4
672.0	2204.2	52.458	126.42	48.0	2.6
673.0	2207.4	52.503	126.51	45.0	2.5
674.0	2210.7	52.566	126.62	63.0	3.5
675.0	2214.0	52.656	126.78	90.0	5.0
676.0	2217.3	52.708	126.87	52.0	2.9
677.0	2220.6	52.793	127.03	86.0	4.7
678.0	2223.9	52.862	127.15	69.0	3.8
679.0	2227.1	52.955	127.32	93.0	5.1
680.0	2230.4	53.006	127.41	51.0	2.8
681.0	2233.7	53.092	127.57	86.0	4.7
682.0	2237.0	53.145	127.66	53.0	3.0
683.0	2240.2	53.211	127.78	66.0	3.6
684.0	2243.5	53.261	127.87	50.0	2.8
685.0	2246.8	53.323	127.98	62.0	3.4
686.0	2250.1	53.376	128.08	53.0	3.0
687.0	2253.4	53.431	128.18	55.0	3.1
688.0	2256.6	53.498	128.30	67.0	3.7
689.0	2259.9	53.556	128.40	57.0	3.1
690.0	2263.2	53.624	128.52	69.0	3.8
691.0	2266.5	53.704	128.67	80.0	4.4
692.0	2269.8	53.761	128.77	57.0	3.1
693.0	2273.0	53.794	128.83	33.0	1.9
694.0	2276.3	53.863	128.95	69.0	3.8
695.0	2279.6	53.930	129.07	67.0	3.7
696.0	2282.9	54.001	129.20	71.0	3.9
697.0	2286.2	54.077	129.34	76.0	4.2
698.0	2289.4	54.129	129.43	52.0	2.9
699.0	2292.7	54.218	129.59	89.0	4.9
700.0	2296.0	54.284	129.71	66.0	3.6
702.0	2302.6	54.424	129.96	70.0	3.8
704.0	2309.1	54.585	130.25	80.0	4.4
706.0	2315.7	54.706	130.47	60.0	3.3

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOBOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
708.0	2322.2	54.880	130.78	87.0	4.8
710.0	2328.8	55.043	131.08	81.5	4.4
712.0	2335.4	55.150	131.27	79.5	4.2
714.0	2341.9	55.297	131.53	73.5	4.0
716.0	2348.5	55.430	131.77	66.5	3.8
718.0	2355.0	55.584	132.05	77.0	4.4
720.0	2361.6	55.757	132.36	86.5	4.7
721.0	2364.9	55.804	132.45	47.0	2.2
722.0	2368.2	55.846	132.52	42.0	2.0
723.0	2371.4	55.929	132.67	82.0	4.4
724.0	2374.7	55.992	132.79	83.0	4.5
725.0	2378.0	56.063	132.91	71.0	3.9
726.0	2381.3	56.141	133.05	78.0	4.4
727.0	2384.6	56.226	133.21	85.0	4.7
728.0	2387.8	56.285	133.31	59.0	3.2
729.0	2391.1	56.357	133.44	72.0	4.0
730.0	2394.4	56.437	133.59	80.0	4.4
731.0	2397.7	56.488	133.68	81.0	4.4
732.0	2401.0	56.539	133.77	51.0	2.8
733.0	2404.3	56.566	133.82	51.0	2.8
734.0	2407.5	56.616	133.91	50.0	2.7
735.0	2410.8	56.679	134.02	83.0	4.5
736.0	2414.1	56.718	134.09	39.0	1.7
737.0	2417.4	56.780	134.20	82.0	4.4
738.0	2420.6	56.870	134.37	90.0	4.9
739.0	2423.9	56.931	134.48	61.0	3.4
740.0	2427.2	56.996	134.59	65.0	3.6
741.0	2430.5	57.042	134.68	46.0	2.9
742.0	2433.8	57.097	134.77	55.0	3.0
743.0	2437.0	57.201	134.96	104.0	10.4
744.0	2440.3	57.253	135.06	52.0	3.0
745.0	2443.6	57.314	135.17	61.0	3.4
746.0	2446.9	57.371	135.27	57.0	3.1
747.0	2450.2	57.422	135.36	51.0	3.0
748.0	2453.4	57.503	135.51	81.0	4.4
749.0	2456.7	57.585	135.65	82.0	4.4
750.0	2460.0	57.658	135.78	73.0	4.0
751.0	2463.3	57.768	135.98	110.0	11.0
752.0	2466.6	57.819	136.07	51.0	3.0
753.0	2469.9	57.868	136.16	49.0	2.9
754.0	2473.1	57.928	136.27	60.0	3.1

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
755.0	2476.4	57.976	136.36	48.0	2.6
756.0	2479.7	58.057	136.50	81.0	4.4
757.0	2483.0	58.111	136.60	54.0	3.0
758.0	2486.2	58.174	136.71	63.0	3.5
759.0	2489.5	58.222	136.80	48.0	2.6
760.0	2492.8	58.263	136.87	41.0	2.3
761.0	2496.1	58.320	136.98	57.0	3.1
762.0	2499.4	58.380	137.08	60.0	3.3
763.0	2502.6	58.427	137.17	47.0	2.5
764.0	2505.9	58.473	137.25	46.0	2.5
765.0	2509.2	58.544	137.38	71.0	3.9
766.0	2512.5	58.598	137.48	54.0	3.0
767.0	2515.8	58.647	137.56	49.0	2.7
768.0	2519.0	58.716	137.69	69.0	3.8
769.0	2522.3	58.774	137.79	58.0	3.2
770.0	2525.6	58.845	137.92	71.0	3.9
771.0	2528.9	58.930	138.07	85.0	4.7
772.0	2532.2	58.992	138.19	62.0	3.4
773.0	2535.4	59.082	138.35	90.0	4.9
774.0	2538.7	59.135	138.44	53.0	2.9
775.0	2542.0	59.206	138.57	71.0	3.9
776.0	2545.3	59.264	138.68	58.0	3.2
777.0	2548.6	59.345	138.82	81.0	4.4
778.0	2551.8	59.430	138.97	85.0	4.7
779.0	2555.1	59.500	139.10	70.0	3.8
780.0	2558.4	59.560	139.21	60.0	3.3
781.0	2561.7	59.622	139.32	62.0	3.4
782.0	2565.0	59.691	139.44	69.0	3.8
783.0	2568.2	59.739	139.53	48.0	2.6
784.0	2571.5	59.815	139.67	76.0	4.2
785.0	2574.8	59.877	139.78	62.0	3.4
786.0	2578.1	59.944	139.90	67.0	3.7
787.0	2581.4	60.013	140.02	69.0	3.8
788.0	2584.6	60.097	140.17	84.0	4.6
789.0	2587.9	60.171	140.31	74.0	4.1
790.0	2591.2	60.261	140.47	90.0	4.9
791.0	2594.5	60.313	140.56	52.0	2.9
792.0	2597.8	60.385	140.69	72.0	4.0
793.0	2601.0	60.468	140.84	83.0	4.6
794.0	2604.3	60.566	141.02	98.0	5.4
795.0	2607.6	60.623	141.12	57.0	3.1

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
796.0	2610.9	60.712	141.28	89.0	4.9
797.0	2614.2	60.787	141.42	75.0	4.1
798.0	2617.4	60.858	141.54	71.0	4.1
799.0	2620.7	60.926	141.67	68.0	3.9
800.0	2624.0	60.975	141.76	49.0	3.1
801.0	2627.3	61.045	141.88	70.0	4.1
802.0	2630.6	61.140	142.05	95.0	5.3
803.0	2633.9	61.190	142.14	50.0	3.1
804.0	2637.1	61.236	142.22	46.0	3.1
805.0	2640.4	61.299	142.33	43.0	3.1
806.0	2643.7	61.312	142.36	43.0	3.1
807.0	2647.0	61.332	142.40	22.0	1.1
808.0	2650.3	61.351	142.43	19.0	1.1
809.0	2653.6	61.393	142.51	42.0	3.1
810.0	2656.9	61.443	142.60	47.0	3.1
811.0	2660.2	61.490	142.68	56.0	3.1
812.0	2663.5	61.546	142.78	50.0	3.1
813.0	2666.8	61.596	142.87	50.0	3.1
814.0	2670.1	61.659	143.00	73.0	4.1
815.0	2673.4	61.755	143.16	86.0	4.4
816.0	2676.7	61.789	143.22	34.0	1.1
817.0	2679.9	61.838	143.31	49.0	3.1
818.0	2683.2	61.922	143.46	64.0	3.6
819.0	2686.5	61.961	143.53	39.0	1.1
820.0	2689.8	62.035	143.66	74.0	4.1
821.0	2693.1	62.089	143.76	54.0	3.1
822.0	2696.4	62.147	143.86	58.0	3.1
823.0	2702.7	62.204	143.97	57.0	3.1
824.0	2706.0	62.242	144.04	38.0	1.1
825.0	2709.3	62.337	144.21	38.0	1.1
826.0	2712.6	62.392	144.31	37.0	1.1
827.0	2715.9	62.469	144.44	37.0	1.1
828.0	2719.1	62.505	144.51	37.0	1.1
829.0	2722.4	62.562	144.61	37.0	1.1
830.0	2725.7	62.608	144.69	37.0	1.1
831.0	2729.0	62.670	144.81	46.0	3.1
832.0	2732.3	62.709	144.88	39.0	1.1
833.0	2735.6	62.759	144.97	39.0	1.1
834.0	2738.9	62.814	145.07	39.0	1.1
835.0	2742.1	62.868	145.16	34.0	1.1

LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: 2S/ BE-15
 DOBOMF7A
 DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
837.0	2745.4	62.932	145.28	64.0	3.5
838.0	2748.6	62.996	145.39	64.0	3.5
839.0	2751.9	63.084	145.55	68.0	4.0
840.0	2755.2	63.156	145.68	72.0	4.0
841.0	2758.5	63.214	145.79	58.0	3.2
842.0	2761.8	63.287	145.92	73.0	4.0
843.0	2765.0	63.349	146.03	62.0	3.4
844.0	2768.3	63.420	146.16	71.0	3.9
845.0	2771.6	63.547	146.38	127.0	7.0
846.0	2774.9	63.575	146.44	28.0	1.5
847.0	2778.2	63.623	146.52	48.0	2.6
848.0	2781.4	63.682	146.63	59.0	3.2
849.0	2784.7	63.733	146.72	51.0	2.8
850.0	2788.0	63.817	146.87	84.0	4.8
851.0	2791.3	63.865	146.96	48.0	2.6
852.0	2794.6	63.923	147.06	58.0	3.2
853.0	2797.8	63.989	147.18	66.0	3.6
854.0	2801.1	64.045	147.28	56.0	3.1
855.0	2804.4	64.105	147.39	60.0	3.3
856.0	2807.7	64.169	147.54	84.0	4.6
857.0	2811.0	64.261	147.67	72.0	4.0
858.0	2814.2	64.345	147.82	84.0	4.6
859.0	2817.5	64.392	147.91	47.0	2.6
860.0	2820.8	64.482	148.07	98.0	4.9
861.0	2824.1	64.530	148.15	48.0	2.6
862.0	2827.4	64.602	148.28	72.0	4.0
863.0	2830.6	64.665	148.40	63.0	3.5
864.0	2833.9	64.720	148.50	55.0	3.0
865.0	2837.2	64.791	148.62	71.0	3.9
866.0	2840.5	64.852	148.73	61.0	3.3
867.0	2843.8	64.915	148.85	63.0	3.5
868.0	2847.0	64.994	148.99	79.0	4.3
869.0	2850.3	65.046	149.08	52.0	2.9
870.0	2853.6	65.109	149.19	62.0	3.4
871.0	2856.9	65.162	149.29	54.0	3.0
872.0	2860.2	65.238	149.43	76.0	4.2
873.0	2863.4	65.292	149.53	54.0	3.0
874.0	2866.7	65.347	149.62	55.0	3.0
875.0	2870.0	65.404	149.73	57.0	3.1
876.0	2873.3	65.448	149.81	44.0	2.4
877.0	2876.6	65.550	149.99	102.0	5.6

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LOCATION: THE DALLES AMS, OREGON
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PAGE 22

HOLE NAME: D0E0MF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
878.0	2879.8	65.604	150.09	54.0	
879.0	2883.1	65.698	150.26	94.0	
880.0	2886.4	65.765	150.38	67.0	
881.0	2889.7	65.821	150.48	56.0	
882.0	2893.0	65.875	150.58	54.0	
883.0	2896.2	65.930	150.67	55.0	
884.0	2899.5	65.990	150.78	60.0	
885.0	2902.8	66.065	150.92	70.0	
886.0	2906.1	66.101	150.98	96.0	
887.0	2909.4	66.202	151.16	101.0	
888.0	2912.6	66.249	151.25	47.0	
889.0	2915.9	66.331	151.40	82.0	
890.0	2919.2	66.361	151.45	30.0	
891.0	2922.5	66.446	151.60	85.0	
892.0	2925.8	66.505	151.71	59.0	
893.0	2929.0	66.572	151.83	67.0	
894.0	2932.3	66.631	151.94	59.0	
895.0	2935.6	66.704	152.07	73.0	
896.0	2938.9	66.761	152.17	57.0	
897.0	2942.2	66.832	152.30	71.0	
898.0	2945.4	66.895	152.39	53.0	
899.0	2948.7	66.967	152.54	80.0	
900.0	2952.0	67.035	152.66	68.0	
901.0	2955.3	67.087	152.76	50.0	
902.0	2958.6	67.141	152.85	54.0	
903.0	2961.8	67.190	152.94	49.0	
904.0	2965.1	67.253	152.86	63.0	
905.0	2968.4	67.314	153.17	61.0	
906.0	2971.7	67.399	153.32	85.0	
907.0	2975.0	67.483	153.47	84.0	
908.0	2978.2	67.551	153.59	66.0	
909.0	2981.5	67.626	153.73	75.0	
910.0	2984.8	67.672	153.81	46.0	
911.0	2988.1	67.740	153.93	68.0	
912.0	2991.4	67.784	154.01	44.0	
913.0	2994.6	67.879	154.18	95.0	
914.0	2997.9	67.942	154.30	63.0	
915.0	3001.2	68.006	154.41	64.0	
916.0	3004.5	68.083	154.55	77.0	
917.0	3007.8	68.169	154.70	86.0	
918.0	3011.0	68.240	154.83	71.0	

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LOCATION: THE DALLES AMS, OREGON

PAGE 23

HOLE NAME: DOE DMF7A
 DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
919.0	3014.3	68.304	154.95	64.0	3.5
920.0	3017.6	68.379	155.08	75.0	4.1
921.0	3020.9	68.436	155.18	57.0	3.1
922.0	3024.2	68.503	155.31	67.0	3.7
923.0	3027.4	68.545	155.38	42.0	2.3
924.0	3030.7	68.612	155.50	67.0	3.7
925.0	3034.0	68.657	155.60	55.0	3.0
926.0	3037.3	68.726	155.71	59.0	3.2
927.0	3040.6	68.776	155.80	50.0	2.7
928.0	3043.8	68.840	155.91	64.0	3.5
929.0	3047.1	68.900	156.02	60.0	3.3
930.0	3050.4	68.947	156.10	47.0	2.6
931.0	3053.7	68.971	156.15	24.0	1.3
932.0	3057.0	69.030	156.25	59.0	3.2
933.0	3060.2	69.089	156.36	59.0	3.2
934.0	3063.5	69.172	156.51	83.0	4.6
935.0	3066.8	69.224	156.60	52.0	2.9
936.0	3070.1	69.288	156.72	64.0	3.5
937.0	3073.4	69.357	156.84	69.0	3.8
938.0	3076.6	69.408	156.93	51.0	2.8
939.0	3079.9	69.464	157.04	55.0	3.1
940.0	3083.2	69.544	157.18	80.0	4.4
941.0	3086.5	69.584	157.25	40.0	2.2
942.0	3089.8	69.639	157.35	55.0	3.0
943.0	3093.0	69.697	157.45	58.0	3.2
944.0	3096.3	69.754	157.56	57.0	3.1
945.0	3099.6	69.834	157.70	80.0	4.4
946.0	3102.9	69.907	157.83	73.0	4.0
947.0	3106.2	69.958	157.92	51.0	2.8
948.0	3109.4	70.019	158.03	61.0	3.4
949.0	3112.7	70.078	158.14	59.0	3.2
950.0	3116.0	70.147	158.26	69.0	3.8
951.0	3119.3	70.218	158.39	71.0	4.0
952.0	3122.6	70.294	158.53	75.0	4.2
953.0	3125.8	70.358	158.64	64.0	3.5
954.0	3129.1	70.447	158.80	89.0	4.9
955.0	3132.4	70.483	158.87	36.0	2.0
956.0	3135.7	70.519	158.93	36.0	2.0
957.0	3139.0	70.613	159.10	94.0	5.2
958.0	3142.2	70.681	159.23	68.0	3.7
959.0	3145.5	70.746	159.34	65.0	3.6

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LOCATION: THE DALLES AMS, OREGON

PAGE 24

23/ BE-15

HOLE NAME: DOEDMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
960.0	3148.8	70.802	159.44	55.0	3.1
961.0	3152.1	70.864	159.56	55.0	3.4
962.0	3155.4	70.919	159.65	55.0	3.6
963.0	3158.6	71.000	159.80	51.0	4.4
964.0	3161.9	71.082	159.95	52.0	4.4
965.0	3165.2	71.134	160.04	52.0	4.4
966.0	3168.5	71.184	160.13	50.0	4.4
967.0	3171.8	71.236	160.22	52.0	4.4
968.0	3175.0	71.322	160.38	56.0	4.4
969.0	3178.3	71.359	160.45	57.0	4.4
970.0	3181.6	71.418	160.55	59.0	4.4
971.0	3184.9	71.481	160.67	62.0	4.4
972.0	3188.2	71.550	160.79	69.0	4.4
973.0	3191.4	71.612	160.90	62.0	4.4
974.0	3194.7	71.677	161.02	65.0	4.4
975.0	3198.0	71.736	161.12	69.0	4.4
976.0	3201.3	71.794	161.23	69.0	4.4
977.0	3204.6	71.849	161.33	65.0	4.4
978.0	3207.8	71.906	161.43	67.0	4.4
979.0	3211.1	71.959	161.53	63.0	4.4
980.0	3214.4	72.025	161.64	66.0	4.4
981.0	3217.7	72.093	161.77	68.0	4.4
982.0	3221.0	72.175	161.92	62.0	4.4
983.0	3224.2	72.220	162.00	45.0	4.4
984.0	3227.5	72.272	162.09	65.0	4.4
985.0	3230.8	72.327	162.19	65.0	4.4
986.0	3234.1	72.395	162.29	68.0	4.4
987.0	3237.4	72.451	162.41	66.0	4.4
988.0	3240.6	72.505	162.51	54.0	4.4
989.0	3243.9	72.577	162.64	72.0	4.4
990.0	3247.2	72.637	162.76	68.0	4.4
991.0	3250.5	72.689	162.84	62.0	4.4
992.0	3253.8	72.755	162.96	66.0	4.4
993.0	3257.0	72.825	163.08	70.0	4.4
994.0	3260.3	72.879	163.18	54.0	4.4
995.0	3263.6	72.938	163.29	69.0	4.4
996.0	3266.9	73.003	163.41	65.0	4.4
997.0	3270.2	73.070	163.53	67.0	4.4
998.0	3273.4	73.123	163.62	62.0	4.4
999.0	3276.7	73.162	163.69	69.0	4.4
1000.0	3280.0	73.232	163.82	70.0	4.4

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LOCATION: THE DALLES AMS, OREGON

PAGE 25

2S/ BE-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1001.0	3283.3	73.294	163.93	62.0	3.4
1002.0	3286.6	73.354	164.04	60.0	3.3
1003.0	3289.8	73.423	164.16	69.0	3.8
1004.0	3293.1	73.457	164.22	34.0	1.9
1005.0	3296.4	73.520	164.34	63.0	3.5
1006.0	3299.7	73.592	164.47	72.0	4.0
1007.0	3303.0	73.665	164.60	73.0	4.0
1008.0	3306.2	73.729	164.71	64.0	3.5
1009.0	3309.5	73.785	164.81	56.0	3.1
1010.0	3312.8	73.836	164.90	51.0	2.8
1011.0	3316.1	73.886	164.99	50.0	2.7
1012.0	3319.4	73.935	165.09	49.0	2.7
1013.0	3322.6	73.985	165.17	50.0	2.7
1014.0	3325.9	74.061	165.31	76.0	4.2
1015.0	3329.2	74.118	165.41	57.0	3.1
1016.0	3332.5	74.179	165.52	61.0	3.3
1017.0	3335.8	74.222	165.60	43.0	2.4
1018.0	3339.0	74.279	165.70	57.0	3.1
1019.0	3342.3	74.336	165.80	57.0	3.1
1020.0	3345.6	74.397	165.91	61.0	3.3
1021.0	3348.9	74.468	166.04	71.0	3.9
1022.0	3352.2	74.537	166.17	69.0	3.8
1023.0	3355.4	74.601	166.29	64.0	3.5
1024.0	3358.7	74.656	166.39	55.0	3.0
1025.0	3362.0	74.721	166.50	65.0	3.6
1026.0	3365.3	74.774	166.59	53.0	3.0
1027.0	3368.6	74.833	166.70	59.0	3.2
1028.0	3371.8	74.880	166.78	47.0	2.6
1029.0	3375.1	74.945	166.90	65.0	3.6
1030.0	3378.4	75.013	167.02	68.0	3.7
1031.0	3381.7	75.075	167.14	62.0	3.4
1032.0	3385.0	75.119	167.21	44.0	2.4
1033.0	3388.2	75.169	167.30	50.0	2.7
1034.0	3391.5	75.236	167.42	67.0	3.7
1035.0	3394.8	75.294	167.53	58.0	3.2
1036.0	3398.1	75.358	167.64	64.0	3.5
1037.0	3401.4	75.402	167.72	44.0	2.4
1038.0	3404.6	75.472	167.85	70.0	3.8
1039.0	3407.9	75.528	167.95	56.0	3.1
1040.0	3411.2	75.579	168.04	51.0	2.8
1041.0	3414.5	75.649	168.17	70.0	3.8

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LOCATION: THE DALLES AMS, OREGON

PAGE 26

HOLE NAME: DOEDM7A
 DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1042.0	3417.8	75.698	168.26	49.0	
1043.0	3421.0	75.756	168.36	59.0	
1044.0	3424.3	75.838	168.51	69.0	
1045.0	3427.6	75.897	168.61	59.0	
1046.0	3430.9	75.936	168.68	69.0	
1047.0	3434.2	75.990	168.78	69.0	
1048.0	3437.4	76.030	168.85	59.0	
1049.0	3440.7	76.101	168.99	49.0	
1050.0	3444.0	76.158	169.08	71.0	
1051.0	3447.3	76.212	169.18	57.0	
1052.0	3450.6	76.282	169.31	54.0	
1053.0	3453.9	76.357	169.44	70.0	
1054.0	3457.1	76.428	169.57	75.0	
1055.0	3460.4	76.488	169.68	71.0	
1056.0	3463.7	76.545	169.78	69.0	
1057.0	3467.0	76.604	169.89	57.0	
1058.0	3470.3	76.664	170.00	59.0	
1059.0	3473.6	76.722	170.10	60.0	
1060.0	3476.9	76.781	170.21	58.0	
1061.0	3480.1	76.828	170.29	59.0	
1062.0	3483.4	76.905	170.43	47.0	
1063.0	3486.6	76.959	170.53	77.0	
1064.0	3489.9	77.012	170.62	54.0	
1065.0	3493.2	77.078	170.74	53.0	
1066.0	3496.5	77.144	170.86	66.0	
1067.0	3499.8	77.198	170.96	66.0	
1068.0	3503.1	77.251	171.05	54.0	
1069.0	3506.4	77.310	171.16	53.0	
1070.0	3509.7	77.374	171.27	59.0	
1071.0	3513.0	77.439	171.39	64.0	
1072.0	3516.3	77.496	171.49	65.0	
1073.0	3519.6	77.546	171.57	57.0	
1074.0	3522.9	77.588	171.66	44.0	
1075.0	3526.2	77.645	171.76	48.0	
1076.0	3529.5	77.706	171.87	57.0	
1077.0	3532.8	77.782	172.01	61.0	
1078.0	3536.1	77.821	172.08	76.0	
1079.0	3539.4	77.885	172.19	39.0	
1080.0	3542.7	77.944	172.30	64.0	
1081.0	3546.0	78.024	172.44	59.0	
1082.0	3549.3	78.070	172.53	80.0	
				46.0	

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 DOEDM7A
 7/15/81
 75.698
 168.26
 49.0
 75.756
 168.36
 59.0
 75.838
 168.51
 69.0
 75.897
 168.61
 59.0
 75.936
 168.68
 69.0
 75.990
 168.78
 69.0
 76.030
 168.85
 59.0
 76.101
 168.99
 49.0
 76.158
 169.08
 71.0
 76.212
 169.18
 57.0
 76.282
 169.31
 54.0
 76.357
 169.44
 70.0
 76.428
 169.57
 75.0
 76.488
 169.68
 71.0
 76.545
 169.78
 69.0
 76.604
 169.89
 57.0
 76.664
 170.00
 59.0
 76.722
 170.10
 60.0
 76.781
 170.21
 58.0
 76.828
 170.29
 59.0
 76.905
 170.43
 47.0
 76.959
 170.53
 77.0
 77.012
 170.62
 54.0
 77.078
 170.74
 53.0
 77.144
 170.86
 66.0
 77.198
 170.96
 66.0
 77.251
 171.05
 54.0
 77.310
 171.16
 53.0
 77.374
 171.27
 59.0
 77.439
 171.39
 64.0
 77.496
 171.49
 65.0
 77.546
 171.57
 57.0
 77.588
 171.66
 44.0
 77.645
 171.76
 48.0
 77.706
 171.87
 57.0
 77.782
 172.01
 61.0
 77.821
 172.08
 76.0
 77.885
 172.19
 39.0
 77.944
 172.30
 64.0
 78.024
 172.44
 59.0
 78.070
 172.53
 80.0
 46.0

LOCATION: THE DALLES AMS, OREGON

PAGE 27

2S/ BE-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1083.0	3552.2	78.124	172.62	54.0	3.0
1084.0	3555.5	78.177	172.72	53.0	2.9
1085.0	3558.8	78.231	172.82	54.0	3.0
1086.0	3562.1	78.280	172.90	49.0	2.7
1087.0	3565.4	78.342	173.02	62.0	3.4
1088.0	3568.6	78.410	173.14	68.0	3.7
1089.0	3571.9	78.471	173.25	61.0	3.3
1090.0	3575.2	78.525	173.34	54.0	3.0
1091.0	3578.5	78.573	173.43	48.0	2.8
1092.0	3581.8	78.636	173.54	63.0	3.5
1093.0	3585.0	78.686	173.63	50.0	3.1
1094.0	3588.3	78.728	173.71	42.0	2.7
1095.0	3591.6	78.782	173.81	54.0	3.0
1096.0	3594.9	78.836	173.90	54.0	3.0
1097.0	3598.2	78.918	174.05	82.0	4.4
1098.0	3601.4	78.959	174.13	41.0	2.5
1099.0	3604.7	79.033	174.26	74.0	4.1
1100.0	3608.0	79.089	174.36	56.0	3.1
1101.0	3611.3	79.165	174.50	76.0	4.4
1102.0	3614.6	79.216	174.59	51.0	2.8
1103.0	3617.8	79.244	174.64	28.0	1.5
1104.0	3621.1	79.293	174.73	49.0	2.7
1105.0	3624.4	79.370	174.87	77.0	4.4
1106.0	3627.7	79.405	174.93	35.0	1.9
1107.0	3631.0	79.484	175.07	79.0	4.4
1108.0	3634.2	79.510	175.12	26.0	1.4
1109.0	3637.5	79.568	175.22	58.0	3.1
1110.0	3640.8	79.613	175.30	45.0	2.5
1111.0	3644.1	79.661	175.39	48.0	2.6
1112.0	3647.4	79.720	175.50	59.0	3.2
1113.0	3650.6	79.789	175.62	69.0	3.6
1114.0	3653.9	79.835	175.70	46.0	2.5
1115.0	3657.2	79.913	175.84	78.0	4.4
1116.0	3660.5	79.967	175.94	54.0	3.0
1117.0	3663.8	80.009	176.02	42.0	2.3
1118.0	3667.0	80.070	176.13	61.0	3.3
1119.0	3670.3	80.130	176.23	60.0	3.3
1120.0	3673.6	80.182	176.33	52.0	2.9
1121.0	3676.9	80.239	176.43	57.0	3.1
1122.0	3680.2	80.303	176.55	64.0	3.5
1123.0	3683.4	80.370	176.67	67.0	3.7

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEQMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1124.0	3686.7	80.427	176.77	57.0	4.5
1125.0	3690.0	80.491	176.88	54.0	4.5
1126.0	3693.3	80.549	176.99	58.0	4.5
1127.0	3696.6	80.613	177.10	64.0	4.5
1128.0	3699.0	80.651	177.17	38.0	4.5
1129.0	3703.1	80.712	177.28	61.0	4.5
1130.0	3706.4	80.776	177.40	64.0	4.5
1131.0	3709.7	80.833	177.50	57.0	4.5
1132.0	3713.0	80.898	177.62	57.0	4.5
1133.0	3716.2	80.948	177.71	65.0	4.5
1134.0	3719.5	80.982	177.77	50.0	4.5
1135.0	3722.0	81.058	177.90	34.0	4.5
1136.0	3726.1	81.118	178.01	76.0	4.5
1137.0	3729.4	81.196	178.15	60.0	4.5
1138.0	3732.6	81.266	178.28	78.0	4.5
1139.0	3735.9	81.346	178.42	70.0	4.5
1140.0	3739.2	81.417	178.55	80.0	4.5
1141.0	3742.5	81.497	178.69	71.0	4.5
1142.0	3745.8	81.563	178.81	80.0	4.5
1143.0	3749.0	81.606	178.89	66.0	4.5
1144.0	3752.3	81.667	179.00	49.0	4.5
1145.0	3755.6	81.739	179.13	61.0	4.5
1146.0	3758.9	81.788	179.22	72.0	4.5
1147.0	3762.2	81.843	179.32	49.0	4.5
1148.0	3765.4	81.904	179.43	55.0	4.5
1149.0	3768.7	81.945	179.50	61.0	4.5
1150.0	3772.0	81.994	179.59	41.0	4.5
1151.0	3775.3	82.060	179.71	49.0	4.5
1152.0	3778.6	82.106	179.79	66.0	4.5
1153.0	3781.9	82.162	179.89	46.0	4.5
1154.0	3785.1	82.212	179.98	56.0	4.5
1155.0	3788.4	82.260	180.07	48.0	4.5
1156.0	3791.7	82.310	180.16	50.0	4.5
1157.0	3795.0	82.380	180.28	70.0	4.5
1158.0	3798.2	82.453	180.42	73.0	4.5
1159.0	3801.5	82.526	180.55	73.0	4.5
1160.0	3804.8	82.583	180.65	73.0	4.5
1161.0	3808.1	82.649	180.77	57.0	4.5
1162.0	3811.4	82.707	180.87	66.0	4.5
1163.0	3814.6	82.755	180.96	58.0	4.5
1164.0	3817.9	82.837	181.11	48.0	4.5

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LOCATION: THE DALLES AMS, OREGON

PAGE 29

2S/ 8E-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1165.0	3821.2	82.919	181.25	62.0	4.5
1166.0	3824.5	82.961	181.33	42.0	3.3
1167.0	3827.8	83.017	181.43	56.0	3.1
1168.0	3831.0	83.066	181.52	49.0	3.7
1169.0	3834.3	83.118	181.61	52.0	3.9
1170.0	3837.6	83.188	181.74	70.0	3.8
1171.0	3840.9	83.248	181.85	60.0	3.3
1172.0	3844.2	83.295	181.93	47.0	3.6
1173.0	3847.4	83.355	182.04	60.0	3.6
1174.0	3850.7	83.403	182.13	48.0	3.6
1175.0	3854.0	83.473	182.25	70.0	3.8
1176.0	3857.3	83.517	182.33	44.0	4.4
1177.0	3860.6	83.579	182.44	62.0	4.4
1178.0	3863.8	83.629	182.53	50.0	3.7
1179.0	3867.1	83.683	182.63	54.0	3.8
1180.0	3870.4	83.730	182.71	47.0	3.6
1181.0	3873.7	83.774	182.79	44.0	3.4
1182.0	3877.0	83.842	182.92	68.0	3.7
1183.0	3880.2	83.900	183.02	58.0	3.3
1184.0	3883.5	83.960	183.13	60.0	3.3
1185.0	3886.8	84.012	183.22	52.0	3.9
1186.0	3890.1	84.063	183.31	51.0	3.8
1187.0	3893.4	84.136	183.44	73.0	4.0
1188.0	3896.6	84.216	183.59	80.0	4.4
1189.0	3899.9	84.292	183.73	76.0	4.4
1190.0	3903.2	84.350	183.83	58.0	3.3
1191.0	3906.5	84.441	183.99	91.0	3.0
1192.0	3909.8	84.508	184.11	67.0	3.7
1193.0	3913.0	84.581	184.25	73.0	4.0
1194.0	3916.3	84.637	184.35	56.0	3.1
1195.0	3919.6	84.699	184.46	62.0	3.4
1196.0	3922.9	84.743	184.54	44.0	3.4
1197.0	3926.2	84.791	184.62	48.0	3.6
1198.0	3929.4	84.835	184.70	44.0	3.4
1199.0	3932.7	84.891	184.80	56.0	3.1
1200.0	3936.0	84.965	184.94	74.0	4.1
1201.0	3939.3	85.006	185.01	41.0	3.2
1202.0	3942.6	85.053	185.10	47.0	3.2
1203.0	3945.8	85.104	185.19	51.0	3.8
1204.0	3949.1	85.165	185.30	61.0	3.3
1205.0	3952.4	85.221	185.40	56.0	3.1

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LOCATION: THE DALLES AMS, OREGON
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PAGE 30

HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1206.0	3955.7	85.288	185.52	67.0	2.7
1207.0	3959.0	85.337	185.61	49.0	2.7
1208.0	3962.2	85.377	185.68	40.0	2.7
1209.0	3965.5	85.462	185.83	85.0	2.7
1210.0	3968.8	85.519	185.93	57.0	4.4
1211.0	3972.1	85.542	185.98	23.0	9.1
1212.0	3975.4	85.626	186.13	84.0	9.9
1213.0	3978.6	85.695	186.25	69.0	9.9
1214.0	3981.9	85.769	186.38	74.0	4.4
1215.0	3985.2	85.824	186.48	55.0	4.4
1216.0	3988.5	85.880	186.58	56.0	3.3
1217.0	3991.8	85.936	186.68	56.0	3.3
1218.0	3995.0	86.025	186.84	89.0	3.3
1219.0	3998.3	86.079	186.94	54.0	4.4
1220.0	4001.6	86.158	187.08	79.0	3.3
1221.0	4004.9	86.207	187.17	49.0	4.4
1222.0	4008.2	86.291	187.31	74.0	3.3
1223.0	4011.4	86.339	187.41	58.0	4.4
1224.0	4014.7	86.402	187.52	63.0	3.3
1225.0	4018.0	86.446	187.60	44.0	4.4
1226.0	4021.3	86.510	187.72	64.0	3.3
1227.0	4024.6	86.547	187.78	37.0	4.4
1228.0	4027.8	86.593	187.87	46.0	3.3
1229.0	4031.1	86.635	187.94	42.0	4.4
1230.0	4034.4	86.681	188.03	46.0	3.3
1231.0	4037.7	86.726	188.11	45.0	4.4
1232.0	4041.0	86.762	188.17	36.0	3.3
1233.0	4044.2	86.803	188.25	41.0	4.4
1234.0	4047.5	86.842	188.32	39.0	3.3
1235.0	4050.8	86.897	188.41	55.0	4.4
1236.0	4054.1	86.933	188.48	36.0	3.3
1237.0	4057.4	86.977	188.56	44.0	4.4
1238.0	4060.6	87.042	188.68	65.0	3.3
1239.0	4063.9	87.085	188.75	43.0	4.4
1240.0	4067.2	87.134	188.84	49.0	3.3
1241.0	4070.5	87.208	188.97	74.0	4.4
1242.0	4073.8	87.285	189.11	77.0	3.3
1243.0	4077.0	87.350	189.23	65.0	4.4
1244.0	4080.3	87.429	189.37	79.0	3.3
1245.0	4083.6	87.469	189.44	46.0	4.4
1246.0	4086.9	87.521	189.54	52.0	3.3

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LOCATION: THE DALLES AMS, OREGON

PAGE 31

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HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1247.0	4090.2	87.574	189.63	53.0	2.9
1248.0	4093.4	87.628	189.73	54.0	2.9
1249.0	4096.7	87.694	189.85	55.0	2.9
1250.0	4100.0	87.758	189.96	54.0	2.9
1251.0	4103.3	87.826	190.09	58.0	2.9
1252.0	4106.6	87.878	190.18	52.0	2.9
1253.0	4109.8	87.943	190.30	55.0	2.9
1254.0	4113.1	87.994	190.39	51.0	2.9
1255.0	4116.4	88.051	190.49	57.0	2.9
1256.0	4119.7	88.125	190.63	74.0	4.1
1257.0	4123.0	88.198	190.76	73.0	4.0
1258.0	4126.2	88.265	190.88	67.0	3.7
1259.0	4129.5	88.316	190.97	51.0	2.8
1260.0	4132.8	88.402	191.12	85.0	4.7
1261.0	4136.1	88.467	191.24	65.0	3.5
1262.0	4139.4	88.544	191.38	77.0	4.2
1263.0	4142.6	88.596	191.47	52.0	2.8
1264.0	4145.9	88.673	191.61	77.0	4.2
1265.0	4149.2	88.732	191.72	59.0	3.2
1266.0	4152.5	88.799	191.84	67.0	3.7
1267.0	4155.8	88.861	191.95	62.0	3.4
1268.0	4159.0	88.915	192.05	54.0	3.0
1269.0	4162.3	89.000	192.20	85.0	4.7
1270.0	4165.6	89.046	192.28	46.0	2.5
1271.0	4168.9	89.110	192.40	64.0	3.5
1272.0	4172.2	89.157	192.48	47.0	2.6
1273.0	4175.4	89.214	192.59	57.0	3.1
1274.0	4178.7	89.268	192.68	54.0	3.0
1275.0	4182.0	89.337	192.81	69.0	3.8
1276.0	4185.3	89.390	192.90	53.0	2.9
1277.0	4188.6	89.466	193.04	76.0	4.2
1278.0	4191.8	89.505	193.11	39.0	2.1
1279.0	4195.1	89.589	193.26	84.0	4.4
1280.0	4198.4	89.648	193.37	58.0	3.2
1281.0	4201.7	89.713	193.48	65.0	3.6
1282.0	4205.0	89.785	193.61	72.0	4.0
1283.0	4208.2	89.844	193.72	59.0	3.2
1284.0	4211.5	89.910	193.84	66.0	3.6
1285.0	4214.8	89.966	193.94	56.0	3.1
1286.0	4218.1	90.049	194.09	83.0	4.6
1287.0	4221.4	90.102	194.18	83.0	4.6

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LOCATION: THE DALLAS AMS, OREGON
2S/ 8E-15

PAGE 32

HOLE NAME: DOEDMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1288.0	4224.6	90.159	194.29	57.0	3.1
1289.0	4227.9	90.232	194.42	73.0	4.0
1290.0	4231.2	90.288	194.52	56.0	3.1
1291.0	4234.5	90.345	194.62	57.0	3.1
1292.0	4237.8	90.407	194.73	52.0	2.4
1293.0	4241.0	90.463	194.83	56.0	3.1
1294.0	4244.3	90.533	194.96	70.0	3.9
1295.0	4247.6	90.582	195.05	49.0	2.7
1296.0	4250.9	90.631	195.14	49.0	2.7
1297.0	4254.2	90.687	195.24	55.0	3.1
1298.0	4257.4	90.757	195.36	70.0	3.9
1299.0	4260.7	90.796	195.43	39.0	2.4
1300.0	4264.0	90.842	195.52	46.0	2.7
1301.0	4267.3	90.898	195.62	56.0	3.1
1302.0	4270.6	90.953	195.72	55.0	3.1
1303.0	4273.8	91.014	195.83	61.0	3.5
1304.0	4277.1	91.070	195.93	55.0	3.1
1305.0	4280.4	91.120	196.02	55.0	3.1
1306.0	4283.7	91.192	196.15	72.0	3.9
1307.0	4287.0	91.255	196.26	63.0	3.5
1308.0	4290.2	91.323	196.38	68.0	3.9
1309.0	4293.5	91.375	196.48	68.0	3.9
1310.0	4296.8	91.434	196.58	68.0	3.9
1311.0	4300.1	91.482	196.67	48.0	2.7
1312.0	4303.4	91.546	196.78	64.0	3.5
1313.0	4306.6	91.601	196.88	55.0	3.1
1314.0	4309.9	91.670	197.01	69.0	3.9
1315.0	4313.2	91.725	197.11	65.0	3.5
1316.0	4316.5	91.790	197.22	65.0	3.5
1317.0	4319.8	91.854	197.34	64.0	3.5
1318.0	4323.0	91.914	197.45	60.0	3.1
1319.0	4326.3	91.989	197.58	72.0	3.9
1320.0	4329.6	92.035	197.66	46.0	2.7
1321.0	4332.9	92.095	197.77	60.0	3.1
1322.0	4336.2	92.160	197.89	65.0	3.5
1323.0	4339.4	92.220	198.00	60.0	3.1
1324.0	4342.7	92.280	198.10	60.0	3.1
1325.0	4346.0	92.356	198.24	76.0	3.9
1326.0	4349.3	92.423	198.37	57.0	3.1
1327.0	4352.6	92.486	198.47	68.0	3.9
1328.0	4355.8	92.554	198.60		

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEDMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1329.0	4359.1	92.626	198.73	72.0	4.0
1330.0	4362.4	92.679	198.82	53.0	2.9
1331.0	4365.7	92.740	198.93	61.0	3.3
1332.0	4369.0	92.790	199.02	50.0	2.7
1333.0	4372.2	92.860	199.15	70.0	3.8
1334.0	4375.5	92.907	199.23	47.0	2.6
1335.0	4378.8	92.967	199.34	60.0	3.3
1336.0	4382.1	93.027	199.45	60.0	3.3
1337.0	4385.4	93.096	199.57	69.0	3.8
1338.0	4388.6	93.156	199.68	60.0	3.3
1339.0	4391.9	93.215	199.79	59.0	3.2
1340.0	4395.2	93.276	199.90	61.0	3.3
1341.0	4398.5	93.344	200.02	68.0	3.7
1342.0	4401.8	93.405	200.13	61.0	3.4
1343.0	4405.0	93.454	200.22	49.0	2.7
1344.0	4408.3	93.504	200.31	50.0	2.7
1345.0	4411.6	93.569	200.42	65.0	3.6
1346.0	4414.9	93.625	200.53	56.0	3.1
1347.0	4418.2	93.675	200.62	50.0	2.7
1348.0	4421.4	93.728	200.71	53.0	2.9
1349.0	4424.7	93.781	200.81	53.0	2.9
1350.0	4428.0	93.824	200.88	43.0	2.4
1351.0	4431.3	93.889	201.00	65.0	3.6
1352.0	4434.6	93.946	201.10	57.0	3.1
1353.0	4437.8	94.000	201.20	54.0	3.0
1354.0	4441.1	94.057	201.30	57.0	3.1
1355.0	4444.4	94.113	201.40	55.0	3.1
1356.0	4447.7	94.164	201.50	51.0	2.8
1357.0	4451.0	94.215	201.59	51.0	2.8
1358.0	4454.2	94.270	201.69	55.0	3.0
1359.0	4457.5	94.314	201.77	44.0	2.4
1360.0	4460.8	94.366	201.86	52.0	2.9
1361.0	4464.1	94.414	201.95	48.0	2.6
1362.0	4467.4	94.470	202.05	56.0	3.1
1363.0	4470.6	94.547	202.18	77.0	4.2
1364.0	4473.9	94.596	202.27	49.0	2.7
1365.0	4477.2	94.649	202.37	53.0	2.9
1366.0	4480.5	94.706	202.47	57.0	3.1
1367.0	4483.8	94.754	202.56	48.0	2.6
1368.0	4487.0	94.821	202.68	67.0	3.7
1369.0	4490.3	94.877	202.78	56.0	3.1

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LOCATION: THE DALLES AMS, OREGON
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PAGE 34

HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1370.0	4493.6	94.939	202.89	62.0	3.4
1371.0	4496.9	94.993	202.99	54.0	3.0
1372.0	4500.2	95.041	203.07	49.0	2.6
1373.0	4503.4	95.112	203.20	71.0	3.9
1374.0	4506.7	95.174	203.31	62.0	3.4
1375.0	4510.0	95.216	203.39	42.0	2.3
1376.0	4513.3	95.260	203.50	64.0	3.5
1377.0	4516.6	95.341	203.61	61.0	3.4
1378.0	4519.8	95.385	203.69	44.0	2.4
1379.0	4523.1	95.437	203.79	53.0	2.9
1380.0	4526.4	95.500	203.90	62.0	3.4
1381.0	4529.7	95.552	203.99	52.0	2.9
1382.0	4533.0	95.594	204.07	42.0	2.3
1383.0	4536.2	95.650	204.17	55.0	3.1
1384.0	4539.5	95.701	204.26	51.0	2.8
1385.0	4542.8	95.758	204.36	57.0	3.1
1386.0	4546.1	95.816	204.47	58.0	3.2
1387.0	4549.4	95.877	204.58	61.0	3.4
1388.0	4552.6	95.929	204.67	52.0	2.9
1389.0	4555.9	95.981	204.77	52.0	2.9
1390.0	4559.2	96.040	204.87	59.0	3.2
1391.0	4562.5	96.088	204.96	48.0	2.6
1392.0	4565.8	96.138	205.05	50.0	2.7
1393.0	4569.0	96.195	205.15	58.0	3.2
1394.0	4572.3	96.244	205.24	48.0	2.6
1395.0	4575.6	96.294	205.33	50.0	2.7
1396.0	4578.9	96.347	205.42	52.0	2.9
1397.0	4582.2	96.390	205.50	43.0	2.4
1398.0	4585.4	96.442	205.60	52.0	2.9
1399.0	4588.7	96.493	205.69	51.0	2.8
1400.0	4592.0	96.543	205.78	50.0	2.7
1401.0	4595.3	96.591	205.86	48.0	2.6
1402.0	4598.6	96.668	206.00	77.0	4.2
1403.0	4601.8	96.727	206.11	59.0	3.2
1404.0	4605.1	96.785	206.21	58.0	3.2
1405.0	4608.4	96.838	206.31	53.0	2.9
1406.0	4611.7	96.884	206.39	46.0	2.5
1407.0	4615.0	96.963	206.53	73.0	4.0
1408.0	4618.2	97.025	206.64	62.0	3.4
1409.0	4621.5	97.092	206.77	67.0	3.6
1410.0	4624.8	97.159	206.89	67.0	3.6

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOEQMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1411.0	4628.1	97.222	207.00	63.0	3.5
1412.0	4631.4	97.281	207.11	59.0	3.2
1413.0	4634.6	97.337	207.21	56.0	3.1
1414.0	4637.9	97.403	207.33	66.0	3.6
1415.0	4641.2	97.441	207.39	38.0	2.1
1416.0	4644.5	97.483	207.47	42.0	2.3
1417.0	4647.8	97.537	207.57	54.0	3.0
1418.0	4651.0	97.590	207.66	53.0	2.9
1419.0	4654.3	97.665	207.80	75.0	4.1
1420.0	4657.6	97.732	207.92	67.0	3.7
1421.0	4660.9	97.787	208.02	55.0	3.0
1422.0	4664.2	97.862	208.15	75.0	4.1
1423.0	4667.4	97.914	208.25	52.0	2.9
1424.0	4670.7	97.988	208.38	74.0	4.1
1425.0	4674.0	98.049	208.49	61.0	3.3
1426.0	4677.3	98.109	208.60	60.0	3.2
1427.0	4680.6	98.165	208.70	56.0	3.1
1428.0	4683.8	98.211	208.78	46.0	2.5
1429.0	4687.1	98.271	208.89	60.0	3.2
1430.0	4690.4	98.316	208.97	45.0	2.5
1431.0	4693.7	98.368	209.06	52.0	2.9
1432.0	4697.0	98.454	209.22	86.0	4.7
1433.0	4700.2	98.497	209.29	43.0	2.4
1434.0	4703.5	98.542	209.38	45.0	2.5
1435.0	4706.8	98.604	209.49	62.0	3.4
1436.0	4710.1	98.664	209.60	60.0	3.2
1437.0	4713.4	98.703	209.67	39.0	2.1
1438.0	4716.6	98.753	209.76	50.0	2.7
1439.0	4719.9	98.804	209.85	51.0	2.8
1440.0	4723.2	98.853	209.94	49.0	2.7
1441.0	4726.5	98.904	210.03	51.0	2.8
1442.0	4729.8	98.958	210.12	54.0	3.0
1443.0	4733.0	99.017	210.23	59.0	3.2
1444.0	4736.3	99.085	210.35	68.0	3.7
1445.0	4739.6	99.145	210.46	60.0	3.2
1446.0	4742.9	99.212	210.58	67.0	3.7
1447.0	4746.2	99.254	210.66	42.0	2.3
1448.0	4749.4	99.316	210.77	62.0	3.4
1449.0	4752.7	99.382	210.89	66.0	3.6
1450.0	4756.0	99.418	210.95	36.0	2.0
1451.0	4759.3	99.466	211.04	48.0	2.6

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LOCATION: THE DALLES AMS, OREGON

PAGE 36

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HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1452.0	4762.6	99.523	211.14	57.0	1.1
1453.0	4765.0	99.582	211.25	59.0	1.1
1454.0	4769.1	99.629	211.33	47.0	1.1
1455.0	4772.4	99.664	211.40	35.0	1.1
1456.0	4775.7	99.716	211.49	53.0	1.1
1457.0	4779.0	99.775	211.59	59.0	1.1
1458.0	4782.2	99.818	211.67	43.0	1.1
1459.0	4785.5	99.869	211.76	51.0	1.1
1460.0	4788.8	99.920	211.86	51.0	1.1
1461.0	4792.1	100.002	212.00	82.0	1.1
1462.0	4795.4	100.043	212.08	41.0	1.1
1463.0	4798.6	100.084	212.15	41.0	1.1
1464.0	4801.9	100.136	212.24	52.0	1.1
1465.0	4805.2	100.169	212.30	33.0	1.1
1466.0	4808.5	100.231	212.42	63.0	1.1
1467.0	4811.8	100.304	212.55	73.0	1.1
1468.0	4815.0	100.368	212.66	64.0	1.1
1469.0	4818.3	100.430	212.77	62.0	1.1
1470.0	4821.6	100.494	212.89	64.0	1.1
1471.0	4824.9	100.568	213.02	74.0	1.1
1472.0	4828.2	100.614	213.11	46.0	1.1
1473.0	4831.4	100.657	213.18	43.0	1.1
1474.0	4834.7	100.713	213.28	56.0	1.1
1475.0	4838.0	100.760	213.37	47.0	1.1
1476.0	4841.3	100.811	213.46	51.0	1.1
1477.0	4844.6	100.861	213.55	50.0	1.1
1478.0	4847.8	100.920	213.66	59.0	1.1
1479.0	4851.1	100.972	213.75	52.0	1.1
1480.0	4854.4	101.029	213.86	57.0	1.1
1481.0	4857.7	101.069	213.92	40.0	1.1
1482.0	4861.0	101.122	214.02	53.0	1.1
1483.0	4864.2	101.192	214.15	70.0	1.1
1484.0	4867.5	101.273	214.29	81.0	1.1
1485.0	4870.8	101.326	214.39	53.0	1.1
1486.0	4874.1	101.368	214.46	42.0	1.1
1487.0	4877.4	101.413	214.54	45.0	1.1
1488.0	4880.6	101.481	214.67	60.0	1.1
1489.0	4883.9	101.537	214.77	56.0	1.1
1490.0	4887.2	101.613	214.90	76.0	1.1
1491.0	4890.5	101.673	215.01	60.0	1.1
1492.0	4893.8	101.734	215.12	61.0	1.1

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LOCATION: THE DALLES AMS, OREGON

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2S/ BE-15

HOLE NAME: DOEOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1493.0	4897.0	101.777	215.20	43.0	2.4
1494.0	4900.3	101.843	215.32	66.0	3.6
1495.0	4903.6	101.925	215.47	82.0	4.5
1496.0	4906.9	101.985	215.57	60.0	3.3
1497.0	4910.2	102.059	215.71	74.0	4.1
1498.0	4913.4	102.139	215.85	80.0	4.4
1499.0	4916.7	102.209	215.98	70.0	3.8
1500.0	4920.0	102.266	216.08	57.0	3.1
1501.0	4923.3	102.331	216.20	65.0	3.6
1502.0	4926.6	102.397	216.31	66.0	3.6
1503.0	4929.8	102.442	216.40	45.0	2.5
1504.0	4933.1	102.493	216.49	51.0	2.8
1505.0	4936.4	102.547	216.58	54.0	3.0
1506.0	4939.7	102.607	216.69	60.0	3.3
1507.0	4943.0	102.661	216.79	54.0	3.0
1508.0	4946.2	102.704	216.87	43.0	2.4
1509.0	4949.5	102.752	216.95	48.0	2.6
1510.0	4952.8	102.798	217.04	46.0	2.5
1511.0	4956.1	102.845	217.12	47.0	2.6
1512.0	4959.4	102.900	217.22	55.0	3.0
1513.0	4962.6	102.973	217.35	73.0	4.0
1514.0	4965.9	103.031	217.46	58.0	3.2
1515.0	4969.2	103.090	217.56	59.0	3.3
1516.0	4972.5	103.149	217.67	59.0	3.3
1517.0	4975.8	103.222	217.80	73.0	4.0
1518.0	4979.0	103.275	217.90	53.0	2.9
1519.0	4982.3	103.365	218.06	90.0	4.9
1520.0	4985.6	103.420	218.16	55.0	3.0
1521.0	4988.9	103.484	218.27	64.0	3.5
1522.0	4992.2	103.551	218.39	67.0	3.7
1523.0	4995.4	103.625	218.53	74.0	4.1
1524.0	4998.7	103.682	218.63	57.0	3.1
1525.0	5002.0	103.734	218.72	52.0	2.9
1526.0	5005.3	103.796	218.83	62.0	3.4
1527.0	5008.6	103.858	218.94	62.0	3.4
1528.0	5011.8	103.913	219.04	55.0	3.0
1529.0	5015.1	103.958	219.12	45.0	2.5
1530.0	5018.4	103.993	219.19	35.0	1.9
1531.0	5021.7	104.038	219.27	45.0	2.5
1532.0	5025.0	104.084	219.35	46.0	2.5
1533.0	5028.2	104.133	219.44	49.0	2.7

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LOCATION: THE DALLES AMS. OREGON
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PAGE 38

HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1534.0	5031.5	104.165	219.53	52.0	2.9
1535.0	5034.0	104.244	219.64	59.0	3.3
1536.0	5036.1	104.308	219.75	64.0	3.5
1537.0	5041.4	104.380	219.88	72.0	4.0
1538.0	5044.6	104.440	219.99	60.0	3.3
1539.0	5047.9	104.511	220.12	71.0	3.9
1540.0	5051.2	104.578	220.24	67.0	3.5
1541.0	5054.5	104.628	220.33	50.0	2.7
1542.0	5057.8	104.708	220.47	80.0	4.4
1543.0	5061.0	104.788	220.62	80.0	4.4
1544.0	5064.3	104.835	220.70	87.0	4.9
1545.0	5067.6	104.894	220.81	59.0	3.3
1546.0	5070.9	104.956	220.92	62.0	3.5
1547.0	5074.2	105.011	221.02	55.0	3.1
1548.0	5077.4	105.071	221.13	60.0	3.3
1549.0	5080.7	105.134	221.24	63.0	3.5
1550.0	5084.0	105.185	221.33	51.0	2.7
1551.0	5087.3	105.242	221.44	57.0	3.1
1552.0	5090.6	105.291	221.52	49.0	2.7
1553.0	5093.8	105.336	221.60	45.0	2.5
1554.0	5097.1	105.379	221.68	43.0	2.4
1555.0	5100.4	105.417	221.75	38.0	2.1
1556.0	5103.7	105.447	221.80	30.0	1.6
1557.0	5107.0	105.512	221.92	65.0	3.6
1558.0	5110.2	105.554	222.00	42.0	2.4
1559.0	5113.5	105.595	222.07	41.0	2.3
1560.0	5116.8	105.656	222.18	61.0	3.4
1561.0	5120.1	105.687	222.24	31.0	1.7
1562.0	5123.4	105.751	222.35	64.0	3.5
1563.0	5126.6	105.784	222.41	33.0	1.8
1564.0	5129.9	105.844	222.52	60.0	3.3
1565.0	5133.2	105.898	222.62	54.0	2.9
1566.0	5136.5	105.953	222.73	65.0	3.6
1567.0	5139.8	106.035	222.86	72.0	4.0
1568.0	5143.0	106.099	222.98	64.0	3.5
1569.0	5146.3	106.173	223.11	74.0	4.1
1570.0	5149.6	106.215	223.19	42.0	2.4
1571.0	5152.9	106.270	223.29	55.0	3.1
1572.0	5156.2	106.357	223.44	67.0	3.8
1573.0	5159.4	106.410	223.54	53.0	3.0
1574.0	5162.7	106.502	223.70	92.0	5.1

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LOCATION: THE DALLES AMS, OREGON
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PAGE 39

HOLE NAME: D0E0MF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1575.0	5166.0	106.551	223.79	49.0	2.7
1576.0	5169.3	106.597	223.87	46.0	2.5
1577.0	5172.6	106.637	223.95	40.0	2.2
1578.0	5175.0	106.677	224.02	40.0	2.2
1579.0	5179.1	106.730	224.11	40.0	2.2
1580.0	5182.4	106.780	224.20	53.0	2.9
1581.0	5185.7	106.808	224.25	50.0	2.7
1582.0	5189.0	106.870	224.37	28.0	1.5
1583.0	5192.2	106.903	224.43	62.0	3.4
1584.0	5195.5	106.969	224.54	33.0	1.8
1585.0	5198.8	107.023	224.64	66.0	3.6
1586.0	5202.1	107.082	224.75	54.0	3.0
1587.0	5205.4	107.135	224.84	59.0	3.2
1588.0	5208.6	107.194	224.95	53.0	2.9
1589.0	5211.9	107.255	225.06	59.0	3.2
1590.0	5215.2	107.333	225.20	61.0	3.4
1591.0	5218.5	107.411	225.34	78.0	4.3
1592.0	5221.8	107.473	225.45	4.0	0.2
1593.0	5225.0	107.542	225.58	62.0	3.4
1594.0	5228.3	107.601	225.68	69.0	3.8
1595.0	5231.6	107.650	225.77	59.0	3.2
1596.0	5234.9	107.702	225.86	49.0	2.7
1597.0	5238.2	107.751	225.95	52.0	2.9
1598.0	5241.4	107.807	226.05	49.0	2.7
1599.0	5244.7	107.870	226.17	55.0	3.1
1600.0	5248.0	107.924	226.26	63.0	3.5
1601.0	5251.3	107.988	226.38	54.0	3.0
1602.0	5254.6	108.051	226.49	64.0	3.5
1603.0	5257.8	108.112	226.60	63.0	3.5
1604.0	5261.1	108.172	226.71	61.0	3.3
1605.0	5264.4	108.243	226.84	71.0	3.9
1606.0	5267.7	108.308	226.95	65.0	3.6
1607.0	5271.0	108.367	227.06	59.0	3.3
1608.0	5274.2	108.428	227.17	61.0	3.4
1609.0	5277.5	108.497	227.29	69.0	3.8
1610.0	5280.8	108.554	227.40	57.0	3.1
1611.0	5284.1	108.616	227.51	62.0	3.4
1612.0	5287.4	108.663	227.59	47.0	2.6
1613.0	5290.6	108.725	227.71	62.0	3.4
1614.0	5293.9	108.784	227.81	59.0	3.2
1615.0	5297.2	108.845	227.92	61.0	3.3

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LOCATION: THE DALLES AMS, OREGON
2S/ BE-15

PAGE 40

HOLE NAME: DOREMP7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1616.0	5300.5	109.892	229.01	47.0	62.6
1617.0	5303.8	109.951	229.11	59.0	62.6
1618.0	5307.0	109.014	228.23	63.0	62.6
1619.0	5310.3	109.095	228.35	71.0	62.6
1620.0	5313.6	109.146	228.46	61.0	62.6
1621.0	5316.9	109.203	228.57	57.0	62.6
1622.0	5320.2	109.284	228.71	81.0	62.6
1623.0	5323.4	109.343	228.82	59.0	62.6
1624.0	5326.7	109.407	228.93	64.0	62.6
1625.0	5330.0	109.469	229.04	62.0	62.6
1626.0	5333.3	109.507	229.11	38.0	62.6
1627.0	5336.6	109.555	229.20	48.0	62.6
1628.0	5339.8	109.610	229.30	55.0	62.6
1629.0	5343.1	109.670	229.41	60.0	62.6
1630.0	5346.4	109.724	229.50	54.0	62.6
1631.0	5349.7	109.775	229.60	51.0	62.6
1632.0	5353.0	109.835	229.70	60.0	62.6
1633.0	5356.3	109.893	229.80	53.0	62.6
1634.0	5359.6	109.964	229.94	76.0	62.6
1635.0	5362.9	110.022	230.04	58.0	62.6
1636.0	5366.1	110.075	230.14	52.0	62.6
1637.0	5369.4	110.132	230.24	57.0	62.6
1638.0	5372.6	110.196	230.35	64.0	62.6
1639.0	5375.9	110.245	230.44	49.0	62.6
1640.0	5379.2	110.296	230.53	51.0	62.6
1641.0	5382.5	110.360	230.65	64.0	62.6
1642.0	5385.8	110.416	230.75	56.0	62.6
1643.0	5389.0	110.479	230.86	63.0	62.6
1644.0	5392.3	110.527	230.96	48.0	62.6
1645.0	5395.6	110.577	231.04	50.0	62.6
1646.0	5398.9	110.653	231.18	76.0	62.6
1647.0	5402.2	110.723	231.30	70.0	62.6
1648.0	5405.4	110.816	231.47	93.0	62.6
1649.0	5408.7	110.867	231.56	51.0	62.6
1650.0	5412.0	110.929	231.67	62.0	62.6
1651.0	5415.3	110.982	231.77	53.0	62.6
1652.0	5418.6	111.030	231.85	48.0	62.6
1653.0	5421.8	111.081	231.95	51.0	62.6
1654.0	5425.1	111.140	232.05	55.0	62.6
1655.0	5428.4	111.195	232.15	55.0	62.6
1656.0	5431.7	111.263	232.27	66.0	62.6

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LOCATION: THE DALLES AMS, OREGON

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HOLE NAME: DOBOMF7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1657.0	5435.0	111.312	232.36	49.0	2.7
1658.0	5438.2	111.377	232.48	65.0	3.6
1659.0	5441.5	111.427	232.57	50.0	2.7
1660.0	5444.8	111.474	232.65	47.0	2.6
1661.0	5448.1	111.528	232.75	54.0	3.0
1662.0	5451.4	111.572	232.83	44.0	2.4
1663.0	5454.6	111.627	232.93	55.0	3.0
1664.0	5457.9	111.673	233.01	46.0	2.5
1665.0	5461.2	111.746	233.14	73.0	4.0
1666.0	5464.5	111.802	233.24	56.0	3.1
1667.0	5467.8	111.865	233.36	63.0	3.5
1668.0	5471.0	111.903	233.43	38.0	2.1
1669.0	5474.3	111.944	233.50	41.0	2.2
1670.0	5477.6	111.991	233.58	47.0	2.6
1671.0	5480.9	112.046	233.68	55.0	3.0
1672.0	5484.2	112.096	233.77	50.0	2.7
1673.0	5487.4	112.144	233.86	48.0	2.6
1674.0	5490.7	112.177	233.92	33.0	1.8
1675.0	5494.0	112.217	233.99	40.0	2.2
1676.0	5497.3	112.254	234.06	37.0	2.0
1677.0	5500.6	112.286	234.11	32.0	1.8
1678.0	5503.8	112.314	234.17	28.0	1.5
1679.0	5507.1	112.342	234.22	28.0	1.5
1680.0	5510.4	112.370	234.27	28.0	1.5
1681.0	5513.7	112.402	234.32	32.0	1.8
1682.0	5517.0	112.429	234.37	27.0	1.5
1683.0	5520.2	112.460	234.43	31.0	1.7
1684.0	5523.5	112.577	234.64	117.0	6.4
1685.0	5526.8	112.802	235.04	225.0	13.3
1686.0	5530.1	112.949	235.31	147.0	8.1
1687.0	5533.4	113.046	235.48	97.0	5.3
1688.0	5536.6	113.119	235.61	73.0	4.0
1689.0	5539.9	113.181	235.73	63.0	3.4
1690.0	5543.2	113.241	235.83	60.0	3.3
1691.0	5546.5	113.293	235.93	52.0	2.9
1692.0	5549.8	113.345	236.02	52.0	2.9
1693.0	5553.0	113.397	236.11	52.0	2.9
1694.0	5556.3	113.447	236.20	50.0	2.8
1695.0	5559.6	113.499	236.30	52.0	2.9
1696.0	5562.9	113.541	236.37	42.0	2.3
1697.0	5566.2	113.595	236.47	54.0	3.0

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LOCATION: THE DALLES AMS, OREGON

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2S/ 8E-15
HOLE NAME: DOEOMF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1698.0	5569.4	113.646	236.56	51.0	
1699.0	5572.7	113.699	236.66	53.0	
1700.0	5576.0	113.752	236.75	53.0	
1701.0	5579.3	113.803	236.85	51.0	
1702.0	5582.6	113.861	236.95	58.0	
1703.0	5585.8	113.911	237.04	58.0	
1704.0	5589.1	113.959	237.13	48.0	
1705.0	5592.4	114.011	237.22	52.0	
1706.0	5595.7	114.062	237.31	51.0	
1707.0	5599.0	114.111	237.40	49.0	
1709.0	5602.2	114.158	237.48	47.0	
1710.0	5605.5	114.207	237.57	49.0	
1711.0	5608.8	114.261	237.67	54.0	
1712.0	5612.1	114.310	237.76	49.0	
1713.0	5615.4	114.361	237.85	51.0	
1714.0	5618.6	114.413	237.94	52.0	
1715.0	5621.9	114.461	238.03	48.0	
1716.0	5625.2	114.504	238.11	43.0	
1717.0	5628.5	114.556	238.20	52.0	
1718.0	5631.8	114.604	238.28	48.0	
1719.0	5635.0	114.659	238.39	49.0	
1720.0	5638.3	114.708	238.47	49.0	
1721.0	5641.6	114.761	238.57	53.0	
1722.0	5644.9	114.815	238.67	54.0	
1723.0	5648.2	114.865	238.76	58.0	
1724.0	5651.4	114.920	238.86	58.0	
1725.0	5654.7	114.967	238.94	47.0	
1726.0	5658.0	115.027	239.05	60.0	
1727.0	5661.3	115.079	239.14	59.0	
1728.0	5664.6	115.138	239.23	59.0	
1729.0	5667.8	115.190	239.34	59.0	
1730.0	5671.1	115.244	239.44	54.0	
1731.0	5674.4	115.294	239.53	58.0	
1732.0	5677.7	115.346	239.63	52.0	
1733.0	5681.0	115.394	239.71	48.0	
1734.0	5684.2	115.442	239.80	48.0	
1735.0	5687.5	115.488	239.88	46.0	
1736.0	5690.8	115.537	239.97	49.0	
1737.0	5694.1	115.583	240.05	46.0	
1738.0	5697.4	115.626	240.13	43.0	
	5700.6	115.675	240.22	49.0	

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LOCATION: THE DALLES AMS, OREGON
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HOLE NAME: DOE0MF7A
DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1739.0	5703.9	115.728	240.31	53.0	2.9
1740.0	5707.2	115.779	240.40	51.0	2.8
1741.0	5710.5	115.828	240.49	49.0	2.7
1742.0	5713.8	115.876	240.58	48.0	2.6
1743.0	5717.0	115.923	240.66	47.0	2.5
1744.0	5720.3	115.973	240.75	50.0	2.7
1745.0	5723.6	116.024	240.84	51.0	2.8
1746.0	5726.9	116.075	240.94	51.0	2.8
1747.0	5730.2	116.128	241.03	53.0	3.0
1748.0	5733.4	116.174	241.11	46.0	2.5
1749.0	5736.7	116.231	241.22	57.0	3.1
1750.0	5740.0	116.282	241.31	51.0	2.8
1751.0	5743.3	116.335	241.40	53.0	3.0
1752.0	5746.6	116.387	241.50	52.0	2.9
1753.0	5749.9	116.439	241.59	53.0	3.0
1754.0	5753.1	116.489	241.68	50.0	2.8
1755.0	5756.4	116.539	241.77	50.0	2.8
1756.0	5759.7	116.590	241.86	51.0	2.8
1757.0	5763.0	116.637	241.95	47.0	2.5
1758.0	5766.2	116.692	242.05	55.0	3.1
1759.0	5769.5	116.743	242.14	51.0	2.8
1760.0	5772.8	116.795	242.23	53.0	3.0
1761.0	5776.1	116.852	242.33	57.0	3.1
1762.0	5779.4	116.903	242.43	51.0	2.8
1763.0	5782.6	116.959	242.53	56.0	3.1
1764.0	5785.9	117.012	242.62	53.0	3.0
1765.0	5789.2	117.061	242.71	49.0	2.7
1766.0	5792.5	117.113	242.80	52.0	2.9
1767.0	5795.8	117.158	242.88	45.0	2.5
1768.0	5799.0	117.209	242.98	51.0	2.8
1769.0	5802.3	117.259	243.07	50.0	2.8
1770.0	5805.6	117.308	243.15	49.0	2.7
1771.0	5808.9	117.354	243.24	46.0	2.5
1772.0	5812.2	117.407	243.33	53.0	3.0
1773.0	5815.4	117.457	243.42	50.0	2.8
1774.0	5818.7	117.510	243.52	53.0	3.0
1775.0	5822.0	117.556	243.60	46.0	2.5
1776.0	5825.3	117.605	243.69	49.0	2.7
1777.0	5828.6	117.654	243.78	49.0	2.7
1778.0	5831.9	117.709	243.88	55.0	3.1
1779.0	5835.1	117.760	243.97	51.0	2.8

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LOCATION: THE DALLES AMS, OREGON

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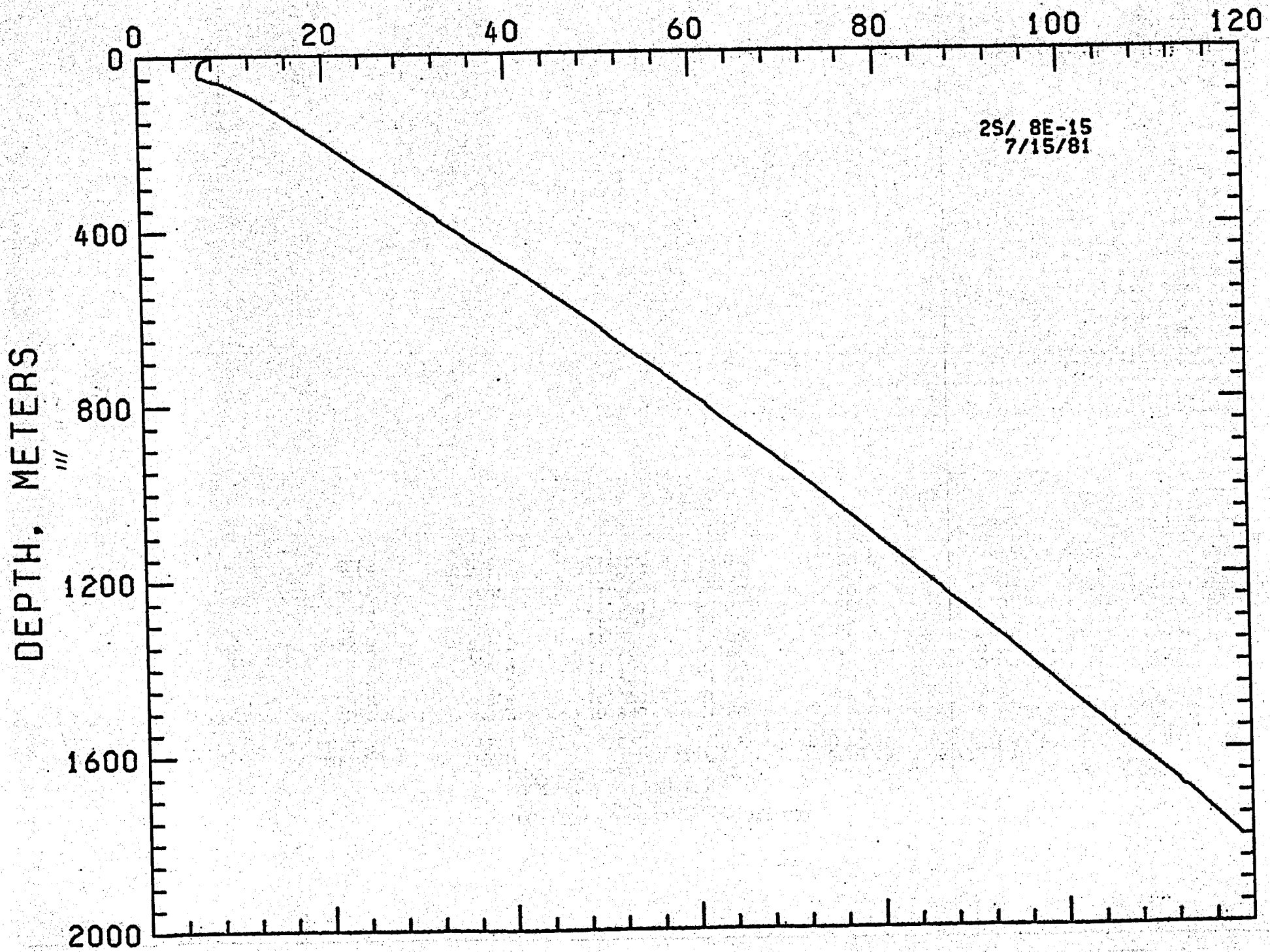
HOLE NAME: DOEOMP 7A

DATE MEASURED: 7/15/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100.FT
1780.0	5838.4	117.809	244.06	49.0	2.7
1781.0	5841.7	117.863	244.15	54.0	3.0
1782.0	5845.0	117.914	244.25	51.0	2.8
1783.0	5848.2	117.964	244.34	50.0	2.7
1784.0	5851.5	118.009	244.41	44.0	2.4
1785.0	5854.8	118.065	244.52	57.0	3.1
1786.0	5858.1	118.117	244.61	52.0	2.8
1787.0	5861.4	118.169	244.70	52.0	2.8
1788.0	5864.6	118.217	244.79	48.0	2.6
1789.0	5867.9	118.271	244.89	54.0	3.0
1790.0	5871.2	118.324	244.98	53.0	2.9
1791.0	5874.5	118.377	245.08	52.0	2.8
1792.0	5877.8	118.431	245.18	54.0	3.0
1793.0	5881.0	118.484	245.27	53.0	2.9
1794.0	5884.3	118.537	245.37	53.0	2.9
1795.0	5887.6	118.582	245.45	45.0	2.5
1796.0	5890.9	118.625	245.53	43.0	2.4
1797.0	5894.2	118.667	245.58	32.0	1.8
1798.0	5897.4	118.708	245.67	51.0	2.8
1799.0	5900.7	118.774	245.79	66.0	3.6
1800.0	5904.0	118.785	245.81	11.0	0.6
1801.0	5907.3	118.859	245.95	74.0	4.1

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TEMPERATURE, DEG C



2S/ 8E-15
7/15/81

LOCATION: VANCOUVER AMS, OREGON

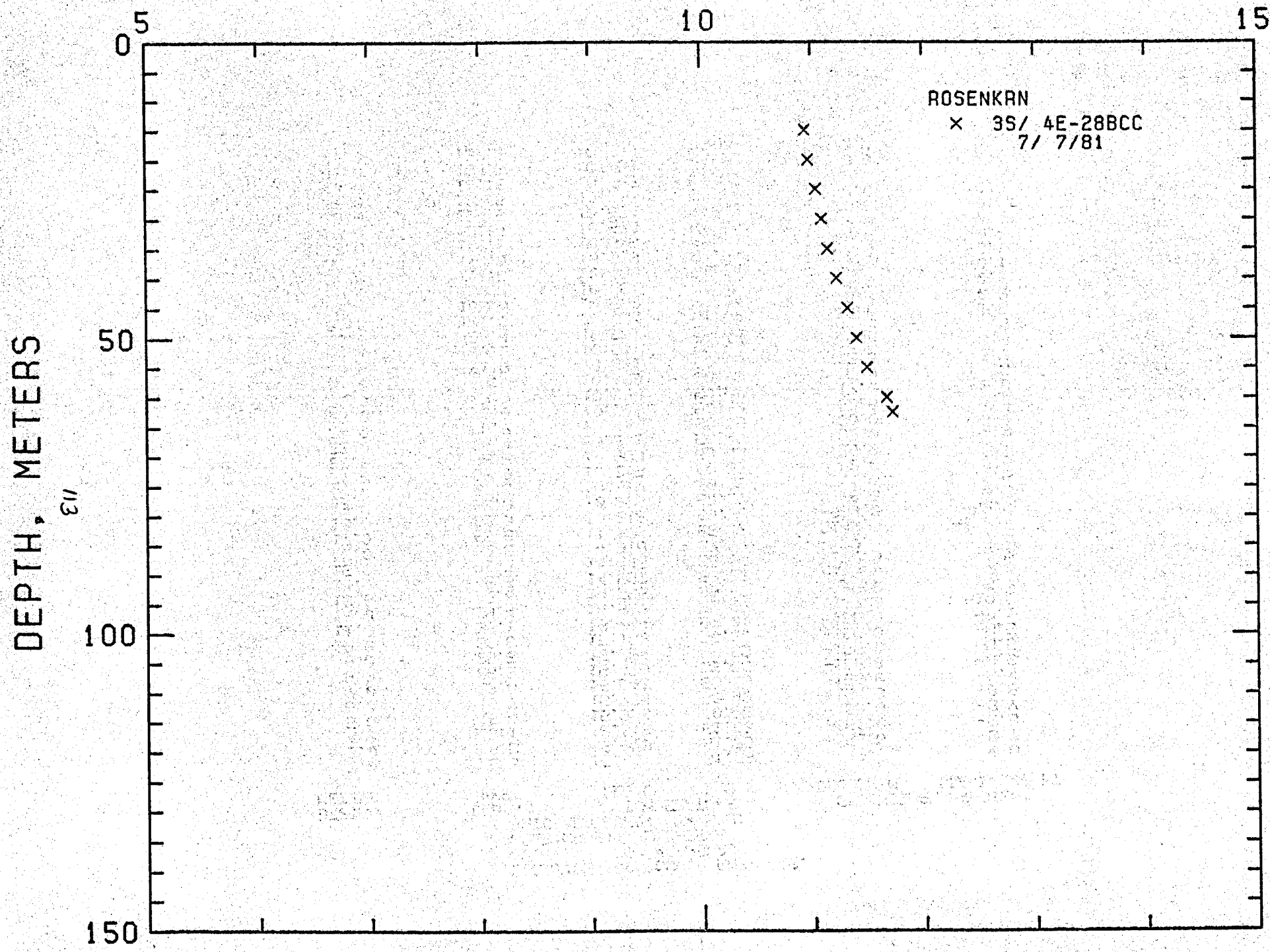
3S/ 4E-28BCC

HOLE NAME: ROSENKRN

DATE MEASURED: 7/ 7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	10.940	51.69	0.0	0.0
20.0	65.6	10.970	51.75	6.0	0.3
25.0	82.0	11.040	51.87	14.0	0.8
30.0	98.4	11.090	51.96	10.0	0.5
35.0	114.8	11.140	52.05	10.0	0.5
40.0	131.2	11.220	52.20	16.0	0.9
45.0	147.6	11.320	52.38	20.0	1.1
50.0	164.0	11.400	52.52	16.0	0.9
55.0	180.4	11.490	52.68	18.0	1.0
60.0	196.8	11.670	53.01	36.0	2.0
62.5	205.0	11.720	53.10	20.0	1.1

TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, ORE.

3S/ 4E-29BAD

HOLE NAME: END-FERG

DATE MEASURED: 7/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	16.431	61.58	0.0	0.0
4.0	13.1	16.273	61.29	-158.0	0.0
5.0	16.4	16.112	61.00	-161.0	0.0
7.0	19.7	15.954	60.72	-158.0	0.0
9.0	23.0	15.794	60.43	-160.0	0.0
10.0	26.3	15.641	60.15	-153.0	0.0
11.0	29.6	15.479	59.86	-163.0	0.0
12.0	32.9	15.324	59.58	-158.0	0.0
13.0	36.2	15.169	59.30	-155.0	0.0
14.0	39.5	15.004	59.01	-165.0	0.0
15.0	42.8	14.817	58.67	-167.0	0.0
16.0	46.1	14.695	58.45	-122.0	0.0
17.0	49.4	14.567	58.22	-122.0	0.0
18.0	52.7	14.445	58.00	-122.0	0.0
19.0	56.0	14.318	57.77	-127.0	0.0
20.0	59.3	11.176	52.12	-142.0	0.0
21.0	62.6	10.212	50.38	-94.0	0.0
22.0	65.9	10.206	50.37	-6.0	0.0
23.0	69.2	10.217	50.39	11.0	0.0
24.0	72.5	10.219	50.39	2.0	0.0
25.0	75.8	10.239	50.43	2.0	0.0
26.0	79.1	10.271	50.49	3.0	0.0
27.0	82.4	10.441	50.79	17.0	0.0
28.0	85.7	10.501	50.90	6.0	0.0
29.0	89.0	10.484	50.87	-17.0	0.0
30.0	92.3	10.489	50.88	5.0	0.0
31.0	95.6	10.501	50.90	12.0	0.0
32.0	98.9	10.517	50.93	16.0	0.0
33.0	102.2	10.541	50.97	24.0	0.0
34.0	105.5	10.574	51.03	33.0	0.0
35.0	108.8	10.580	51.04	6.0	0.0
36.0	112.1	10.581	51.05	-1.0	0.0
37.0	115.4	10.580	51.04	-1.0	0.0
38.0	118.7	10.573	51.04	-1.0	0.0
39.0	122.0	10.575	51.04	-4.0	0.0
40.0	125.3	10.573	51.03	-2.0	0.0
41.0	128.6	10.574	51.03	1.0	0.0
42.0	131.9	10.570	51.04	4.0	0.0
	135.2	10.583	51.05	5.0	0.0
	138.5	10.585	51.05	3.0	0.0
	141.8	10.588	51.06	0.0	0.0

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LOCATION: VANCOUVER AMS, ORE.

PAGE 2

3S/ 4E-29BAD

HOLE NAME: EMD-FERG

DATE MEASURED: 7/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	10.583	51.05	-5.0	-0.3
44.0	144.3	10.596	51.07	13.0	0.7
45.0	147.6	10.607	51.09	11.0	0.6
46.0	150.9	10.611	51.10	4.0	0.2
47.0	154.2	10.614	51.11	3.0	0.2
48.0	157.4	10.616	51.11	2.0	0.1
49.0	160.7	10.600	51.08	-16.0	-0.9
50.0	164.0	10.613	51.10	13.0	0.7
51.0	167.3	10.631	51.14	18.0	1.0
52.0	170.6	10.642	51.16	11.0	0.6
53.0	173.8	10.640	51.15	-2.0	-0.1
54.0	177.1	10.641	51.15	1.0	0.1
55.0	180.4	10.664	51.20	23.0	1.3
56.0	183.7	10.759	51.37	95.0	5.2
57.0	187.0	11.554	52.80	795.0	43.6
58.0	190.2	11.636	52.94	82.0	4.5
59.0	193.5	11.732	53.12	96.0	5.3
60.0	196.8	11.806	53.25	74.0	4.1
61.0	200.1	11.898	53.42	92.0	5.0
62.0	203.4	11.968	53.54	70.0	3.8
63.0	206.6	11.980	53.56	12.0	0.7
64.0	209.9	11.989	53.58	9.0	0.5
65.0	213.2	11.996	53.59	7.0	0.4
66.0	216.5	12.009	53.63	13.0	0.7
67.0	219.8	12.016	53.63	7.0	0.4
68.0	223.0	12.034	53.66	18.0	1.0
69.0	226.3	12.039	53.67	5.0	0.3
70.0	229.6	12.044	53.68	5.0	0.3
71.0	232.9	12.048	53.69	4.0	0.2
72.0	236.2	12.046	53.68	-12.0	-0.7
73.0	239.4	12.051	53.69	5.0	0.3
74.0	242.7	12.065	53.72	14.0	0.8
75.0	246.0	12.065	53.72	0.0	0.0
76.0	249.3	12.064	53.72	-1.0	-0.1
77.0	252.6	12.063	53.71	-1.0	-0.1
78.0	255.8	12.060	53.71	-3.0	-0.2
79.0	259.1	12.061	53.71	1.0	0.1
80.0	262.4	12.066	53.72	5.0	0.3
81.0	265.7	12.066	53.72	0.0	0.0
82.0	269.0	12.070	53.73	4.0	0.2
83.0	272.2	12.074	53.73	4.0	0.2

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LOCATION: VANCOUVER AMS, ORE.

PAGE 3

35/ 4E-29BAD

HOLE NAME: EMD-FERG

DATE MEASURED: 7/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	278.5	12.083	53.75		
85.0	278.8	12.089	53.76		
86.0	282.1	12.094	53.77		
87.0	285.4	12.093	53.77		
88.0	288.6	12.098	53.78		
89.0	291.9	12.105	53.79		
90.0	295.2	12.109	53.80		
91.0	298.5	12.118	53.81		
92.0	301.8	12.128	53.82		
93.0	305.0	12.153	53.88		
94.0	308.3	12.151	53.87		
95.0	311.6	12.159	53.88		
96.0	314.9	12.160	53.89		
97.0	318.2	12.168	53.90		
98.0	321.4	12.163	53.89		
99.0	324.7	12.173	53.91		
100.0	328.0	12.179	53.92		
101.0	331.3	12.188	53.94		
102.0	334.6	12.198	53.94		
103.0	337.8	12.190	53.94		
104.0	341.1	12.190	53.94		
105.0	344.4	12.193	53.97		
106.0	347.7	12.210	53.98		
107.0	351.0	12.218	53.99		
108.0	354.3	12.232	54.02		
109.0	357.5	12.235	54.02		
110.0	360.8	12.246	54.04		
111.0	364.1	12.243	54.04		
112.0	367.4	12.251	54.05		
113.0	370.6	12.244	54.05		
114.0	373.9	13.186	55.73		
115.0	377.2	13.509	56.32		
116.0	380.5	13.721	56.70		
117.0	383.8	13.973	57.15		
118.0	387.0	13.990	57.18		
119.0	390.3	13.994	57.19		
120.0	393.6	13.991	57.18		
121.0	396.9	14.009	57.22		
122.0	400.2	14.026	57.26		
123.0	403.4	14.031	57.27		
124.0	406.7	14.029	57.26		

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LOCATION: VANCOUVER AMS, ORE.

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3S/ 4E-29BAD

HOLE NAME: EMD-FERG

DATE MEASURED: 7/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	14.035	57.26	6.0	0.3
126.0	413.3	14.036	57.26	1.0	0.1
127.0	416.6	14.038	57.27	2.0	0.1
128.0	419.8	14.043	57.28	5.0	0.3
129.0	423.1	14.054	57.30	11.0	0.6
130.0	426.4	14.049	57.29	-5.0	-0.3
131.0	429.7	14.050	57.29	1.0	0.1
132.0	433.0	14.059	57.31	9.0	0.5
133.0	436.2	14.064	57.32	5.0	0.3
134.0	439.5	14.074	57.33	10.0	0.5
135.0	442.8	14.104	57.39	30.0	1.6
136.0	446.1	14.108	57.39	4.0	0.2
137.0	449.4	14.119	57.41	11.0	0.6
138.0	452.6	14.125	57.43	6.0	0.3
139.0	455.9	14.148	57.47	23.0	1.3
140.0	459.2	14.165	57.50	17.0	0.9
141.0	462.5	14.230	57.61	65.0	3.6
142.0	465.8	14.226	57.61	1.0	0.1
143.0	469.0	14.239	57.63	13.0	0.7
144.0	472.3	14.248	57.65	9.0	0.5
145.0	475.6	14.250	57.65	2.0	0.1
146.0	478.9	14.251	57.65	1.0	0.1
147.0	482.2	14.300	57.74	49.0	2.7
148.0	485.4	14.451	58.01	151.0	8.3
149.0	488.7	14.616	58.31	165.0	9.1
150.0	492.0	14.735	58.52	119.0	6.5
151.0	495.3	14.828	58.69	93.0	5.1
152.0	498.6	14.966	58.94	138.0	7.6
153.0	501.9	15.098	59.18	132.0	7.3
154.0	505.1	15.260	59.47	162.0	8.9
155.0	508.4	15.441	59.79	181.0	9.9
156.0	511.7	15.600	60.08	159.0	8.7
157.0	515.0	15.796	60.43	196.0	10.8
158.0	518.2	15.959	60.73	163.0	8.9
159.0	521.5	16.225	61.21	266.0	14.6
160.0	524.8	16.295	61.33	70.0	3.8
161.0	528.1	16.310	61.36	15.0	0.8
162.0	531.4	16.295	61.33	-15.0	-0.8
163.0	534.6	16.293	61.33	-2.0	-0.1
164.0	537.9	16.298	61.34	5.0	0.3
165.0	541.2	16.318	61.37	20.0	1.1

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LOCATION: VANCOUVER AMS, ORE.

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35/ 4E-29BAD

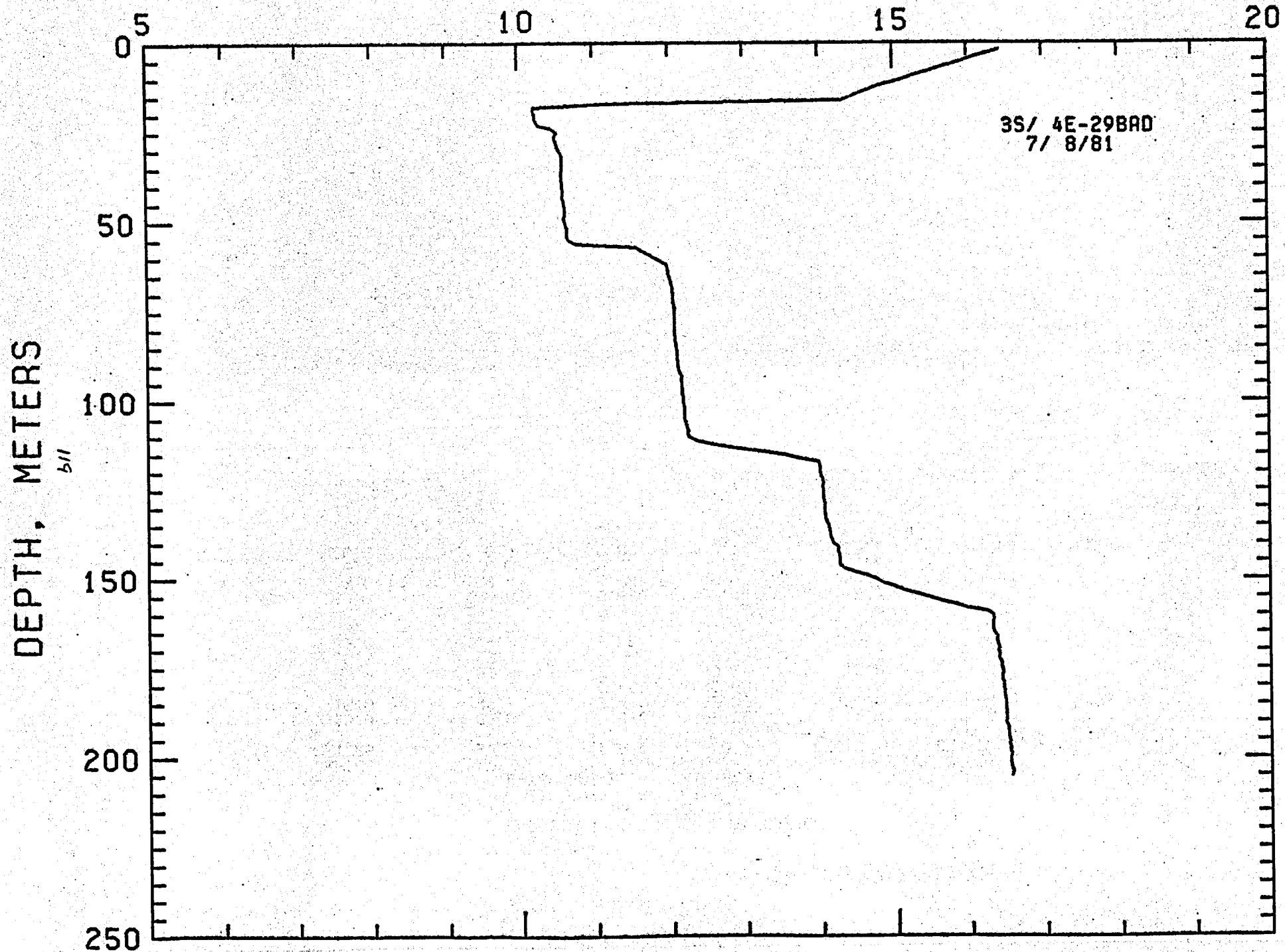
HOLE NAME: EMD-FERG

DATE MEASURED: 7/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	16.359	61.45	41.0	2.0
167.0	547.0	16.346	61.42	-13.0	-0.7
168.0	551.0	16.359	61.45	13.0	0.7
169.0	554.0	16.373	61.47	14.0	0.8
170.0	557.0	16.364	61.46	-9.0	-0.5
171.0	560.0	16.385	61.49	21.0	1.2
172.0	564.0	16.378	61.48	-7.0	-0.4
173.0	567.0	16.398	61.53	20.0	1.1
174.0	570.0	16.406	61.55	8.0	0.4
175.0	574.0	16.420	61.56	14.0	0.8
176.0	577.0	16.429	61.57	9.0	0.5
177.0	580.0	16.417	61.55	-12.0	-0.7
178.0	583.0	16.420	61.56	13.0	0.7
179.0	587.0	16.431	61.58	11.0	0.6
180.0	590.0	16.433	61.58	22.0	1.2
181.0	593.0	16.441	61.59	2.0	0.1
182.0	597.0	16.447	61.60	2.0	0.1
183.0	600.0	16.454	61.62	2.0	0.1
184.0	603.0	16.459	61.63	2.0	0.1
185.0	606.0	16.460	61.63	1.0	0.0
186.0	610.0	16.462	61.63	1.0	0.0
187.0	613.0	16.468	61.64	2.0	0.1
188.0	616.0	16.469	61.64	1.0	0.0
189.0	619.0	16.469	61.64	0.0	0.0
190.0	623.0	16.461	61.63	0.0	0.0
191.0	626.0	16.484	61.67	-8.0	-0.4
192.0	629.0	16.494	61.69	23.0	1.3
193.0	633.0	16.494	61.69	10.0	0.6
194.0	636.0	16.496	61.69	0.0	0.0
195.0	639.0	16.510	61.72	2.0	0.1
196.0	642.0	16.504	61.71	14.0	0.8
197.0	646.0	16.519	61.73	-6.0	-0.3
198.0	649.0	16.524	61.74	15.0	0.8
199.0	652.0	16.528	61.76	5.0	0.3
200.0	656.0	16.519	61.73	4.0	0.2
201.0	659.0	16.523	61.74	-9.0	-0.5
202.0	662.0	16.528	61.76	4.0	0.2
203.0	665.0	16.541	61.77	5.0	0.3
204.0	669.0	16.558	61.80	13.0	0.7
205.0	672.0	16.541	61.77	-17.0	-0.9

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TEMPERATURE, DEG C



LOCATION: VANCOUVER AMS, OREGON

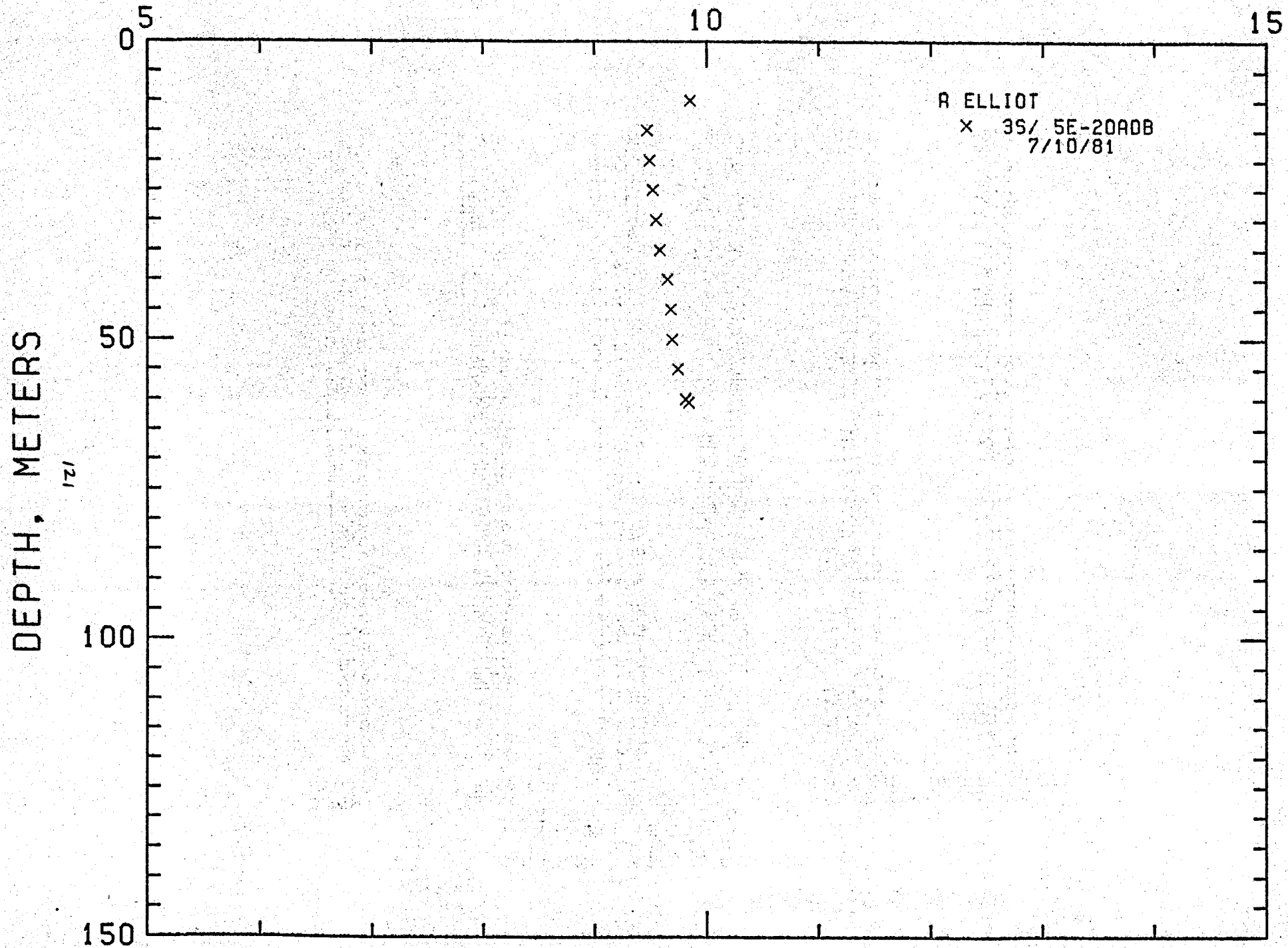
3S/ SE-20ADB

HOLE NAME: R ELLIOT

DATE MEASURED: 7/10/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.850	49.73	0.0	0.0
15.0	49.2	9.470	49.05	-76.0	-4.2
20.0	65.6	9.490	49.08	4.0	0.22
25.0	82.0	9.520	49.14	6.0	0.33
30.0	98.4	9.550	49.19	6.0	0.33
35.0	114.8	9.580	49.24	6.0	0.33
40.0	131.2	9.650	49.37	14.0	0.78
45.0	147.6	9.680	49.42	6.0	0.33
50.0	164.0	9.690	49.44	2.0	0.11
55.0	180.4	9.740	49.53	10.0	0.56
60.0	196.8	9.810	49.66	14.0	0.78
60.5	198.4	9.840	49.71	60.0	3.3

TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, ORE.

3S/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	12.285	54.11	0.0	0.0
3.0	9.8	12.199	53.95	-86.0	-4.7
4.0	13.1	6.028	42.85	-6171.0	-338.7
5.0	16.4	4.938	40.89	-1090.0	-59.8
6.0	19.7	4.669	40.40	-269.0	-14.8
7.0	23.0	4.404	39.93	-265.0	-14.5
8.0	26.3	4.235	39.62	-169.0	-9.5
9.0	29.6	4.121	39.42	-114.0	-6.5
10.0	32.9	4.073	39.33	-48.0	-2.6
11.0	36.1	4.063	39.31	-10.0	-0.5
12.0	39.4	4.069	39.32	6.0	0.5
13.0	42.7	4.082	39.35	13.0	1.2
14.0	46.0	4.092	39.37	10.0	0.7
15.0	49.3	4.096	39.37	4.0	0.2
16.0	52.6	4.094	39.37	-2.0	-0.2
17.0	55.9	4.087	39.36	-7.0	-1.1
18.0	59.2	4.077	39.34	-10.0	-1.6
19.0	62.5	4.059	39.31	-10.0	-1.6
20.0	65.8	4.041	39.27	-10.0	-1.6
21.0	69.1	4.027	39.25	-14.0	-2.1
22.0	72.4	4.015	39.23	-12.0	-1.7
23.0	75.7	4.006	39.21	-9.0	-1.3
24.0	79.0	3.998	39.19	-10.0	-1.6
25.0	82.3	3.985	39.17	-11.0	-1.8
26.0	85.6	3.971	39.15	-14.0	-2.1
27.0	88.9	3.953	39.12	-10.0	-1.6
28.0	92.2	3.932	39.08	-21.0	-3.4
29.0	95.5	3.907	39.03	-25.0	-3.9
30.0	98.8	3.875	38.98	-38.0	-5.4
31.0	102.1	3.832	38.90	-43.0	-6.0
32.0	105.4	3.792	38.83	-40.0	-5.6
33.0	108.7	3.773	38.79	-19.0	-2.9
34.0	112.0	3.768	38.78	5.0	0.2
35.0	115.3	3.769	38.77	-9.0	-1.3
36.0	118.6	3.746	38.74	-13.0	-1.9
37.0	121.9	3.731	38.72	-15.0	-2.1
38.0	125.2	3.717	38.69	-14.0	-1.9
39.0	128.5	3.713	38.68	-4.0	-0.5
40.0	131.8	3.717	38.69	4.0	0.2
41.0	135.1	3.716	38.69	-1.0	-0.1
42.0	138.4	3.706	38.67	-10.0	-1.6

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LOCATION: THE DALLES AMS, ORE.

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3S/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	3.689	38.64	-17.0	-0.9
44.0	144.3	3.676	38.62	-13.0	-0.7
45.0	147.6	3.668	38.60	-8.0	-0.4
46.0	150.9	3.667	38.60	-1.0	-0.1
47.0	154.2	3.671	38.61	4.0	0.2
48.0	157.4	3.678	38.62	7.0	0.4
49.0	160.7	3.682	38.63	4.0	0.2
50.0	164.0	3.684	38.63	2.0	0.1
51.0	167.3	3.679	38.62	-5.0	-0.3
52.0	170.6	3.665	38.60	-14.0	-0.8
53.0	173.9	3.648	38.57	-17.0	-0.9
54.0	177.1	3.629	38.53	-19.0	-1.0
55.0	180.4	3.615	38.51	-14.0	-0.8
56.0	183.7	3.602	38.48	-13.0	-0.8
57.0	187.0	3.592	38.47	-10.0	-0.6
58.0	190.2	3.581	38.45	-11.0	-0.6
59.0	193.5	3.571	38.43	-10.0	-0.6
60.0	196.8	3.562	38.41	-9.0	-0.5
61.0	200.1	3.555	38.40	-7.0	-0.4
62.0	203.4	3.553	38.40	-7.0	-0.4
63.0	206.7	3.559	38.40	5.0	0.3
64.0	209.9	3.564	38.42	6.0	0.3
65.0	213.2	3.570	38.43	6.0	0.3
66.0	216.5	3.573	38.43	3.0	0.2
67.0	219.8	3.582	38.46	0.0	0.0
68.0	223.0	3.590	38.46	0.0	0.0
69.0	226.3	3.597	38.47	7.0	0.4
70.0	229.6	3.606	38.49	9.0	0.5
71.0	232.9	3.614	38.51	8.0	0.4
72.0	236.2	3.621	38.51	7.0	0.4
73.0	239.4	3.627	38.53	6.0	0.3
74.0	242.7	3.630	38.53	6.0	0.3
75.0	246.0	3.638	38.53	1.0	0.1
76.0	249.3	3.638	38.53	0.0	0.0
77.0	252.6	3.627	38.53	0.0	0.0
78.0	255.9	3.622	38.53	-1.0	-0.1
79.0	259.1	3.621	38.53	-1.0	-0.1
80.0	262.4	3.620	38.53	-1.0	-0.1
81.0	265.7	3.621	38.53	1.0	0.1
82.0	269.0	3.621	38.53	0.0	0.0
83.0	272.2	3.625	38.53	4.0	0.2

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LOCATION: THE DALLES AMS, ORE.

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HOLE NAME: MEADOWS

DATE MEASURED: 11/2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	3.629	38.53	4.0	0.0
85.0	278.8	3.634	38.54	5.0	0.0
86.0	282.1	3.635	38.54	1.0	0.1
87.0	285.4	3.634	38.54	-1.0	0.1
88.0	288.6	3.632	38.54	-2.0	0.1
89.0	291.9	3.629	38.53	-4.0	0.1
90.0	295.2	3.625	38.53	-3.0	0.1
91.0	298.5	3.621	38.51	-4.0	0.1
92.0	301.8	3.615	38.51	-3.0	0.1
93.0	305.0	3.612	38.50	-3.0	0.1
94.0	308.3	3.614	38.51	2.0	0.1
95.0	311.6	3.622	38.53	2.0	0.1
96.0	314.9	3.629	38.53	7.0	0.4
97.0	318.2	3.640	38.57	11.0	0.4
98.0	321.4	3.650	38.57	10.0	0.4
99.0	324.7	3.659	38.59	9.0	0.4
100.0	328.0	3.671	38.61	12.0	0.4
101.0	331.3	3.677	38.62	6.0	0.4
102.0	334.6	3.685	38.65	0.0	0.4
103.0	337.8	3.696	38.66	11.0	0.4
104.0	341.1	3.701	38.66	5.0	0.4
105.0	344.4	3.709	38.68	8.0	0.4
106.0	347.7	3.717	38.69	8.0	0.4
107.0	351.0	3.720	38.70	3.0	0.4
108.0	354.2	3.724	38.70	4.0	0.4
109.0	357.5	3.728	38.71	4.0	0.4
110.0	360.8	3.734	38.72	6.0	0.4
111.0	364.1	3.740	38.73	6.0	0.4
112.0	367.4	3.742	38.74	2.0	0.4
113.0	370.6	3.743	38.74	1.0	0.4
114.0	373.9	3.747	38.74	4.0	0.4
115.0	377.2	3.749	38.75	1.0	0.4
116.0	380.5	3.750	38.75	2.0	0.4
117.0	383.8	3.752	38.75	2.0	0.4
118.0	387.0	3.753	38.76	1.0	0.4
119.0	390.3	3.754	38.76	1.0	0.4
120.0	393.6	3.757	38.76	3.0	0.4
121.0	396.9	3.759	38.77	2.0	0.4
122.0	400.2	3.762	38.77	2.0	0.4
123.0	403.4	3.765	38.78	3.0	0.4
124.0	406.7	3.767	38.78	2.0	0.4

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LOCATION: THE DALLES AMS, ORE.

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3S/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	3.771	38.79	4.0	0.2
126.0	413.3	3.775	38.79	4.0	0.2
127.0	416.6	3.779	38.80	4.0	0.2
128.0	419.8	3.787	38.82	8.0	0.4
129.0	423.1	3.792	38.83	5.0	0.3
130.0	426.4	3.801	38.84	9.0	0.5
131.0	429.7	3.808	38.85	7.0	0.4
132.0	433.0	3.814	38.87	6.0	0.3
133.0	436.2	3.821	38.88	7.0	0.4
134.0	439.5	3.828	38.89	7.0	0.4
135.0	442.8	3.832	38.90	4.0	0.2
136.0	446.1	3.838	38.91	6.0	0.3
137.0	449.4	3.847	38.92	9.0	0.5
138.0	452.6	3.856	38.94	9.0	0.5
139.0	455.9	3.862	38.95	6.0	0.3
140.0	459.2	3.867	38.96	5.0	0.3
141.0	462.5	3.876	38.98	9.0	0.5
142.0	465.8	3.884	38.99	8.0	0.4
143.0	469.0	3.895	39.01	11.0	0.6
144.0	472.3	3.902	39.02	7.0	0.4
145.0	475.6	3.911	39.04	9.0	0.5
146.0	478.9	3.918	39.05	7.0	0.4
147.0	482.2	3.930	39.07	12.0	0.7
148.0	485.4	3.940	39.09	10.0	0.5
149.0	488.7	3.948	39.11	8.0	0.4
150.0	492.0	3.959	39.13	11.0	0.6
151.0	495.3	3.967	39.14	8.0	0.4
152.0	498.6	3.977	39.16	10.0	0.5
153.0	501.8	3.984	39.17	7.0	0.4
154.0	505.1	3.996	39.19	12.0	0.7
155.0	508.4	4.009	39.22	13.0	0.7
156.0	511.7	4.022	39.24	13.0	0.7
157.0	515.0	4.040	39.27	18.0	1.0
158.0	518.2	4.052	39.29	12.0	0.7
159.0	521.5	4.065	39.32	13.0	0.7
160.0	524.8	4.084	39.35	19.0	1.0
161.0	528.1	4.103	39.39	19.0	1.0
162.0	531.4	4.122	39.42	19.0	1.0
163.0	534.6	4.142	39.46	20.0	1.1
164.0	537.9	4.158	39.48	16.0	0.9
165.0	541.2	4.168	39.50	10.0	0.5

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LOCATION: THE DALLES AMS, ORE.

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HOLE NAME: MEADOWS
DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	4.182	39.52	14.0	0.0
167.0	547.0	4.192	39.59	10.0	0.0
168.0	551.0	4.205	39.57	13.0	0.0
169.0	554.0	4.213	39.59	8.0	0.0
170.0	557.0	4.224	39.59	11.0	0.0
171.0	560.0	4.234	39.62	10.0	0.0
172.0	564.0	4.248	39.64	14.0	0.0
173.0	567.4	4.257	39.65	9.0	0.0
174.0	570.7	4.269	39.68	12.0	0.0
175.0	574.0	4.286	39.71	17.0	0.0
176.0	577.0	4.296	39.73	10.0	0.0
177.0	580.0	4.309	39.76	13.0	0.0
178.0	583.0	4.319	39.77	10.0	0.0
179.0	587.1	4.326	39.79	7.0	0.0
180.0	590.4	4.332	39.80	6.0	0.0
181.0	593.7	4.352	39.83	1.0	0.0
182.0	597.0	4.402	39.93	1.0	0.0
183.0	600.0	4.440	39.98	1.0	0.0
184.0	603.0	4.472	40.05	1.0	0.0
185.0	606.0	4.495	40.09	1.0	0.0
186.0	610.1	4.510	40.12	1.0	0.0
187.0	613.4	4.529	40.15	1.0	0.0
188.0	616.6	4.551	40.19	1.0	0.0
189.0	619.0	4.567	40.22	1.0	0.0
190.0	623.0	4.588	40.28	1.0	0.0
191.0	627.0	4.610	40.30	1.0	0.0
192.0	630.0	4.638	40.37	1.0	0.0
193.0	633.0	4.671	40.41	1.0	0.0
194.0	636.0	4.695	40.45	1.0	0.0
195.0	639.0	4.713	40.48	1.0	0.0
196.0	642.0	4.736	40.52	1.0	0.0
197.0	646.0	4.757	40.56	1.0	0.0
198.0	649.0	4.776	40.60	1.0	0.0
199.0	652.0	4.797	40.63	1.0	0.0
200.0	656.0	4.822	40.68	1.0	0.0
201.0	659.0	4.839	40.71	1.0	0.0
202.0	662.0	4.859	40.75	1.0	0.0
203.0	665.0	4.878	40.78	1.0	0.0
204.0	669.0	4.897	40.81	1.0	0.0
205.0	672.0	4.921	40.86	1.0	0.0
206.0	676.0	4.949	40.91	1.0	0.0

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LOCATION: THE DALLES AMS, ORE.

PAGE 6

3S/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
207.0	679.0	4.967	40.94	18.0	1.0
208.0	682.2	4.992	40.99	25.0	1.4
209.0	685.5	5.019	41.03	27.0	1.5
210.0	688.8	5.048	41.09	29.0	1.6
211.0	692.1	5.078	41.14	30.0	1.6
212.0	695.4	5.109	41.20	31.0	1.7
213.0	698.6	5.129	41.23	28.0	1.1
214.0	701.9	5.150	41.27	21.0	1.2
215.0	705.2	5.165	41.30	15.0	0.8
216.0	708.5	5.177	41.32	12.0	0.7
217.0	711.8	5.220	41.40	43.0	2.4
218.0	715.0	5.271	41.49	51.0	2.8
219.0	718.3	5.304	41.55	33.0	1.8
220.0	721.6	5.342	41.62	38.0	2.1
221.0	724.9	5.382	41.69	40.0	2.2
222.0	728.2	5.416	41.75	34.0	1.9
223.0	731.4	5.444	41.80	28.0	1.5
224.0	734.7	5.462	41.83	18.0	1.0
225.0	738.0	5.475	41.85	13.0	0.7
226.0	741.3	5.512	41.92	37.0	2.0
227.0	744.6	5.555	42.00	43.0	2.4
228.0	747.8	5.595	42.07	40.0	2.2
229.0	751.1	5.628	42.13	33.0	1.8
230.0	754.4	5.657	42.18	29.0	1.6
231.0	757.7	5.689	42.24	32.0	1.8
232.0	761.0	5.712	42.28	23.0	1.3
233.0	764.2	5.732	42.32	20.0	1.1
234.0	767.5	5.750	42.35	18.0	1.0
235.0	770.8	5.777	42.40	27.0	1.5
236.0	774.1	5.800	42.44	23.0	1.3
237.0	777.4	5.819	42.47	19.0	1.0
238.0	780.6	5.842	42.52	23.0	1.3
239.0	783.9	5.873	42.58	37.0	2.0
240.0	787.2	5.919	42.65	40.0	2.2
241.0	790.5	5.942	42.70	23.0	1.3
242.0	793.8	5.964	42.74	23.0	1.3
243.0	797.0	5.984	42.77	20.0	1.1
244.0	800.3	6.012	42.82	28.0	1.5
245.0	803.6	6.040	42.87	28.0	1.5
246.0	806.9	6.065	42.92	25.0	1.4
247.0	810.2	6.087	42.96	22.0	1.2

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LOCATION: THE DALLES AMS, ORE.

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HOLE NAME: 35/ 9E- 3CDB MEADOWS
 DATE MEASURED: 11/ 2/ 81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
249.0	813.4	6.116	43.01	29.0	1.6
249.0	816.7	6.164	43.10	48.0	
250.0	820.0	6.209	43.18	45.0	
251.0	823.3	6.257	43.26	48.0	
252.0	826.6	6.320	43.38	62.0	
253.0	829.9	6.357	43.44	57.0	
254.0	833.1	6.410	43.54	53.0	
255.0	836.4	6.452	43.61	48.0	
256.0	839.7	6.489	43.68	47.0	
257.0	843.0	6.528	43.74	47.0	
258.0	846.3	6.569	43.81	47.0	
259.0	849.5	6.584	43.85	47.0	
260.0	852.8	6.617	43.91	47.0	
261.0	856.1	6.658	43.98	41.0	
262.0	859.4	6.695	44.05	37.0	
263.0	862.7	6.735	44.12	40.0	
264.0	866.0	6.774	44.19	39.0	
265.0	869.3	6.804	44.25	39.0	
266.0	872.6	6.835	44.30	39.0	
267.0	875.9	6.869	44.36	34.0	
268.0	879.2	6.912	44.44	34.0	
269.0	882.5	6.942	44.50	43.0	
270.0	885.8	6.969	44.54	38.0	
271.0	889.1	6.995	44.59	37.0	
272.0	892.4	7.030	44.65	37.0	
273.0	895.7	7.067	44.72	37.0	
274.0	899.0	7.100	44.78	33.0	
275.0	902.3	7.140	44.85	46.0	
276.0	905.6	7.170	44.91	38.0	
277.0	908.9	7.206	44.97	38.0	
278.0	911.2	7.243	45.04	37.0	
279.0	915.1	7.290	45.12	47.0	
280.0	918.4	7.317	45.17	37.0	
281.0	921.7	7.356	45.24	37.0	
282.0	925.0	7.395	45.31	37.0	
283.0	928.3	7.430	45.37	37.0	
284.0	931.6	7.466	45.44	36.0	
285.0	934.9	7.503	45.51	37.0	
286.0	938.1	7.537	45.57	34.0	
287.0	941.4	7.570	45.63	37.0	
288.0	944.6	7.607	45.69	37.0	

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LOCATION: THE DALLES AMS, ORE.

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3S/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	7.634	45.74	27.0	1.5
290.0	951.2	7.670	45.81	36.0	2.0
291.0	954.5	7.712	45.88	42.0	2.3
292.0	957.8	7.743	45.94	31.0	1.7
293.0	961.0	7.774	45.99	31.0	1.7
294.0	964.3	7.810	46.06	36.0	2.0
295.0	967.6	7.856	46.14	46.0	2.5
296.0	970.9	7.890	46.20	34.0	1.9
297.0	974.2	7.932	46.28	42.0	2.3
298.0	977.4	7.978	46.36	46.0	2.5
299.0	980.7	8.010	46.42	32.0	1.8
300.0	984.0	8.065	46.52	55.0	3.0
301.0	987.3	8.119	46.61	54.0	2.9
302.0	990.6	8.144	46.66	25.0	1.4
303.0	993.8	8.179	46.72	35.0	1.9
304.0	997.1	8.225	46.81	46.0	2.5
305.0	1000.4	8.271	46.89	46.0	2.5
306.0	1003.7	8.331	47.00	60.0	3.3
307.0	1007.0	8.374	47.07	43.0	2.4
308.0	1010.2	8.425	47.17	51.0	2.8
309.0	1013.5	8.482	47.27	57.0	3.1
310.0	1016.8	8.530	47.35	48.0	2.6
311.0	1020.1	8.585	47.45	55.0	3.0
312.0	1023.4	8.675	47.62	90.0	4.4
313.0	1026.6	8.699	47.66	24.0	1.3
314.0	1029.9	8.750	47.75	51.0	2.8
315.0	1033.2	8.795	47.83	45.0	2.5
316.0	1036.5	8.839	47.91	44.0	2.4
317.0	1039.8	8.888	48.00	49.0	2.7
318.0	1043.0	8.934	48.08	46.0	2.5
319.0	1046.3	8.982	48.17	48.0	2.6
320.0	1049.6	9.037	48.27	55.0	3.0
321.0	1052.9	9.092	48.37	55.0	3.0
322.0	1056.2	9.142	48.46	50.0	2.7
323.0	1059.4	9.197	48.55	55.0	3.0
324.0	1062.7	9.256	48.66	59.0	3.2
325.0	1066.0	9.299	48.74	43.0	2.4
326.0	1069.3	9.346	48.82	47.0	2.6
327.0	1072.6	9.403	48.93	57.0	3.1
328.0	1075.8	9.449	49.01	46.0	2.5
329.0	1079.1	9.491	49.08	42.0	2.3

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LOCATION: THE DALLES AMS, ORE.

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35/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
330.0	1092.4	9.548	49.19	57.0	
331.0	1095.7	9.612	49.30	54.0	
332.0	1099.0	9.668	49.40	56.0	
333.0	1092.2	9.734	49.52	66.0	
334.0	1095.5	9.799	49.64	66.0	
335.0	1098.8	9.850	49.73	51.0	
336.0	1102.1	9.907	49.83	57.0	
337.0	1105.4	9.985	49.97	78.0	
338.0	1108.6	10.032	50.06	47.0	
339.0	1111.9	10.095	50.17	63.0	
340.0	1115.2	10.155	50.28	68.0	
341.0	1118.5	10.225	50.40	70.0	
342.0	1121.8	10.296	50.53	71.0	
343.0	1125.1	10.362	50.65	67.0	
344.0	1128.4	10.428	50.77	65.0	
345.0	1131.7	10.495	50.89	67.0	
346.0	1134.9	10.564	51.02	69.0	
347.0	1138.2	10.625	51.12	61.0	
348.0	1141.4	10.696	51.25	71.0	
349.0	1144.7	10.764	51.38	68.0	
350.0	1148.0	10.848	51.53	84.0	
351.0	1151.3	10.918	51.65	78.0	
352.0	1154.6	11.013	51.82	95.0	
353.0	1157.9	11.086	51.96	73.0	
354.0	1161.1	11.153	52.08	67.0	
355.0	1164.4	11.210	52.18	57.0	
356.0	1167.7	11.323	52.38	113.0	
357.0	1171.0	11.354	52.44	31.0	
358.0	1174.2	11.416	52.55	62.0	
359.0	1177.5	11.476	52.66	60.0	
360.0	1180.8	11.530	52.77	54.0	
361.0	1184.1	11.594	52.87	64.0	
362.0	1187.4	11.660	52.99	66.0	
363.0	1190.6	11.719	53.09	59.0	
364.0	1193.9	11.769	53.18	50.0	
365.0	1197.2	11.824	53.28	55.0	
366.0	1200.5	11.893	53.39	59.0	
367.0	1203.8	11.924	53.46	41.0	
368.0	1207.0	11.975	53.56	51.0	
369.0	1210.3	12.060	53.71	88.0	
370.0	1213.6	12.099	53.76	29.0	

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LOCATION: THE DALLES AMS, ORE.

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35/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
371.0	1216.9	12.133	53.84	44.0	2.4
372.0	1220.2	12.188	53.94	55.0	2.9
373.0	1223.4	12.241	54.03	53.0	2.9
374.0	1226.7	12.296	54.13	55.0	3.0
375.0	1230.0	12.378	54.28	62.0	4.5
376.0	1233.3	12.434	54.38	56.0	3.1
377.0	1236.6	12.485	54.47	51.0	2.8
378.0	1239.8	12.550	54.59	65.0	3.6
379.0	1243.1	12.649	54.77	99.0	5.4
380.0	1246.4	12.710	54.88	61.0	3.3
381.0	1249.7	12.774	54.99	64.0	3.5
382.0	1253.0	12.899	55.22	125.0	6.9
383.0	1256.2	12.909	55.24	10.0	0.6
384.0	1259.5	13.041	55.47	132.0	7.2
385.0	1262.8	13.075	55.54	34.0	1.9
386.0	1266.1	13.200	55.76	125.0	6.9
387.0	1269.4	13.250	55.85	50.0	2.7
388.0	1272.6	13.320	55.98	70.0	3.8
389.0	1275.9	13.436	56.18	116.0	6.4
390.0	1279.2	13.530	56.35	94.0	5.2
391.0	1282.5	13.618	56.51	88.0	4.8
392.0	1285.8	13.635	56.54	17.0	0.9
393.0	1289.0	13.698	56.66	63.0	3.5
394.0	1292.3	13.748	56.75	50.0	2.7
395.0	1295.6	13.817	56.87	69.0	3.8
396.0	1298.9	13.889	57.00	72.0	4.0
397.0	1302.2	14.000	57.20	111.0	6.1
398.0	1305.4	14.026	57.25	26.0	1.4
399.0	1308.7	14.089	57.36	63.0	3.5
400.0	1312.0	14.191	57.54	102.0	5.6
401.0	1315.3	14.259	57.67	68.0	3.7
402.0	1318.6	14.341	57.81	82.0	4.5
403.0	1321.8	14.429	57.97	88.0	4.8
404.0	1325.1	14.466	58.04	37.0	2.0
405.0	1328.4	14.561	58.21	95.0	5.3
406.0	1331.7	14.639	58.35	77.0	4.2
407.0	1335.0	14.668	58.40	30.0	1.6
408.0	1338.2	14.740	58.53	72.0	4.0
409.0	1341.5	14.841	58.71	101.0	5.5
410.0	1344.8	14.912	58.84	71.0	3.9
411.0	1348.1	14.958	58.92	46.0	2.5

LOCATION: THE DALLAS AMS, ORE.
3S/ 9E- 3CDB

PAGE 11

HOLE NAME: MEADOWS
DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
412.0	1351.4	15.061	59.11	103.0	5.7
413.0	1354.6	15.103	59.19	42.0	2.3
414.0	1357.9	15.173	59.31	70.0	3.9
415.0	1361.1	15.267	59.48	94.0	5.1
416.0	1364.4	15.364	59.66	97.0	5.3
417.0	1367.6	15.433	59.78	69.0	3.8
418.0	1371.0	15.526	59.95	93.0	5.1
419.0	1374.3	15.587	60.06	61.0	3.3
420.0	1377.6	15.623	60.12	36.0	2.0
421.0	1380.9	15.745	60.34	122.0	6.8
422.0	1384.2	15.776	60.40	31.0	1.7
423.0	1387.4	15.825	60.49	49.0	2.7
424.0	1390.7	15.904	60.63	79.0	4.4
425.0	1394.0	15.989	60.78	85.0	4.8
426.0	1397.3	16.021	60.84	92.0	5.1
427.0	1400.5	16.137	61.05	116.0	6.4
428.0	1403.8	16.214	61.19	77.0	4.4
429.0	1407.1	16.286	61.32	92.0	5.1
430.0	1410.4	16.335	61.40	29.0	1.6
431.0	1413.7	16.446	61.60	111.0	6.1
432.0	1417.0	16.539	61.77	93.0	5.1
433.0	1420.2	16.583	61.86	44.0	2.4
434.0	1423.5	16.670	62.01	87.0	4.8
435.0	1426.8	16.709	62.08	99.0	5.4
436.0	1430.1	16.814	62.27	99.0	5.4
437.0	1433.4	16.903	62.43	105.0	5.8
438.0	1436.6	16.978	62.56	89.0	4.9
439.0	1439.9	17.005	62.61	75.0	4.1
440.0	1443.2	17.078	62.74	27.0	1.5
441.0	1446.5	17.212	62.98	73.0	4.0
442.0	1449.8	17.274	63.09	134.0	7.4
443.0	1453.1	17.354	63.24	62.0	3.4
444.0	1456.4	17.414	63.35	80.0	4.4
445.0	1459.7	17.495	63.49	60.0	3.3
446.0	1463.0	17.531	63.56	81.0	4.4
447.0	1466.3	17.640	63.75	36.0	2.0
448.0	1469.6	17.719	63.89	109.0	6.0
449.0	1472.9	17.767	63.98	79.0	4.4
450.0	1476.2	17.843	64.12	48.0	2.6
451.0	1479.5	17.918	64.25	76.0	4.2
452.0	1482.8	18.048	64.49	75.0	4.1
				130.0	7.1

LOCATION: THE DALLES AMS, ORE.

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35/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
453.0	1485.8	18.105	64.59	57.0	3.1
454.0	1489.1	18.163	64.69	58.0	3.2
455.0	1492.4	18.206	64.77	43.0	2.4
456.0	1495.7	18.266	64.88	60.0	3.3
457.0	1499.0	18.325	64.99	59.0	3.2
458.0	1502.2	18.394	65.11	69.0	3.8
459.0	1505.5	18.459	65.23	65.0	3.6
460.0	1508.8	18.484	65.27	25.0	1.4
461.0	1512.1	18.538	65.37	54.0	3.0
462.0	1515.4	18.568	65.42	30.0	1.6
463.0	1518.6	18.638	65.55	70.0	3.8
464.0	1521.9	18.721	65.70	83.0	4.6
465.0	1525.2	18.788	65.82	67.0	3.7
466.0	1528.5	18.864	65.96	76.0	4.2
467.0	1531.8	18.910	66.04	46.0	2.5
468.0	1535.0	18.956	66.12	46.0	2.5
469.0	1538.3	19.001	66.20	45.0	2.5
470.0	1541.6	19.084	66.35	83.0	4.6
471.0	1544.9	19.120	66.42	36.0	2.0
472.0	1548.2	19.229	66.61	109.0	6.0
473.0	1551.4	19.296	66.73	67.0	3.7
474.0	1554.7	19.379	66.88	83.0	4.6
475.0	1558.0	19.449	67.01	70.0	3.8
476.0	1561.3	19.531	67.16	82.0	4.5
477.0	1564.6	19.629	67.33	98.0	5.4
478.0	1567.8	19.711	67.48	82.0	4.5
479.0	1571.1	19.802	67.64	91.0	5.0
480.0	1574.4	19.864	67.76	62.0	3.4
481.0	1577.7	19.943	67.90	79.0	4.3
482.0	1581.0	20.009	68.02	66.0	3.6
483.0	1584.2	20.098	68.18	89.0	4.9
484.0	1587.5	20.129	68.23	31.0	1.7
485.0	1590.8	20.181	68.33	52.0	2.9
486.0	1594.1	20.328	68.59	147.0	8.1
487.0	1597.4	20.380	68.68	52.0	2.9
488.0	1600.6	20.458	68.82	78.0	4.3
489.0	1603.9	20.517	68.93	59.0	3.2
490.0	1607.2	20.589	69.06	72.0	4.0
491.0	1610.5	20.621	69.12	32.0	1.8
492.0	1613.8	20.667	69.20	46.0	2.5
493.0	1617.0	20.688	69.24	21.0	1.2

LOCATION: THE DALLES AMS, ORE.

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3S/ 9E- 3CDB

HOLE NAME: MEADOWS

DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
494.0	1620.3	20.594	69.07	-94.0	-5.2
495.0	1623.6	20.403	68.73	-191.0	-10.5
496.0	1626.9	20.262	68.47	-141.0	-7.7
497.0	1630.2	20.236	68.42	-26.0	-1.4
498.0	1633.4	20.355	68.64	119.0	6.5
499.0	1636.7	20.443	68.80	88.0	4.8
500.0	1640.0	20.683	69.23	240.0	13.2
501.0	1643.3	20.943	69.70	260.0	14.3
502.0	1646.6	21.200	70.16	257.0	14.1
503.0	1649.8	21.403	70.53	203.0	11.1
504.0	1653.1	21.603	70.89	200.0	11.0
505.0	1656.4	21.746	71.14	143.0	7.8
506.0	1659.7	21.910	71.44	164.0	9.0
507.0	1663.0	22.010	71.62	100.0	5.5
508.0	1666.2	22.133	71.83	128.0	7.1
509.0	1669.5	22.246	72.04	108.0	5.9
510.0	1672.8	22.366	72.26	120.0	6.6
511.0	1676.1	22.453	72.42	92.0	5.1
512.0	1679.4	22.553	72.60	95.0	5.3
513.0	1682.6	22.623	72.72	70.0	3.8
514.0	1685.9	22.666	72.80	43.0	2.4
515.0	1689.2	22.781	73.01	115.0	6.4
516.0	1692.5	22.873	73.18	97.0	5.5
517.0	1695.8	22.962	73.33	84.0	4.8
518.0	1699.0	23.041	73.47	79.0	4.5
519.0	1702.3	23.131	73.64	90.0	4.9
520.0	1705.6	23.214	73.79	82.0	4.6
521.0	1708.9	23.313	73.96	99.0	5.5
522.0	1712.2	23.396	74.11	82.0	4.6
523.0	1715.4	23.464	74.27	88.0	4.9
524.0	1718.7	23.583	74.45	99.0	5.5
525.0	1722.0	23.646	74.56	63.0	3.5
526.0	1725.3	23.733	74.72	87.0	4.8
527.0	1728.6	23.821	74.88	88.0	4.9
528.0	1731.8	23.885	74.99	64.0	3.5
529.0	1735.1	23.994	75.19	109.0	6.0
530.0	1738.4	24.076	75.34	82.0	4.5
531.0	1741.7	24.141	75.45	65.0	3.5
532.0	1745.0	24.223	75.60	82.0	4.5
533.0	1748.2	24.333	75.80	109.0	6.0
534.0	1751.5	24.414	75.95	82.0	4.5

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LOCATION: THE DALLES AMS, ORE.
3S/ 9E- 3CDB

PAGE 14

HOLE NAME: MEADOWS
DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
535.0	1754.8	24.478	76.06	64.0	3.5
536.0	1758.1	24.576	76.24	98.0	5.4
537.0	1761.4	24.663	76.39	87.0	4.8
538.0	1764.6	24.733	76.52	70.0	3.8
539.0	1767.9	24.810	76.66	77.0	4.2
540.0	1771.2	24.898	76.82	88.0	4.4
541.0	1774.5	24.998	77.00	100.0	5.5
542.0	1777.8	25.063	77.11	65.0	3.5
543.0	1781.0	25.171	77.31	108.0	5.9
544.0	1784.3	25.226	77.41	55.0	3.0
545.0	1787.6	25.316	77.57	98.0	4.4
546.0	1790.9	25.401	77.72	85.0	4.1
547.0	1794.2	25.468	77.84	67.0	3.7
548.0	1797.4	25.543	77.98	75.0	4.1
549.0	1800.7	25.623	78.12	80.0	4.4
550.0	1804.0	25.691	78.24	68.0	3.7
551.0	1807.3	25.774	78.39	83.0	4.6
552.0	1810.6	25.866	78.56	92.0	5.0
553.0	1813.8	25.949	78.71	83.0	4.4
554.0	1817.1	26.068	78.92	119.0	6.5
555.0	1820.4	26.114	79.01	46.0	2.5
556.0	1823.7	26.220	79.20	106.0	5.8
557.0	1827.0	26.331	79.40	111.0	6.1
558.0	1830.2	26.393	79.51	62.0	3.4
559.0	1833.5	26.464	79.64	71.0	3.9
560.0	1836.8	26.548	79.79	84.0	4.4
561.0	1840.1	26.612	79.90	64.0	3.3
562.0	1843.4	26.703	80.07	91.0	5.0
563.0	1846.6	26.779	80.20	76.0	4.4
564.0	1849.9	26.856	80.34	77.0	4.4
565.0	1853.2	26.933	80.48	77.0	4.4
566.0	1856.5	27.012	80.62	79.0	4.4
567.0	1859.8	27.106	80.79	94.0	5.5
568.0	1863.0	27.170	80.91	64.0	3.3
569.0	1866.3	27.265	81.08	95.0	5.2
570.0	1869.6	27.339	81.21	74.0	4.1
571.0	1872.9	27.413	81.34	74.0	4.1
572.0	1876.2	27.497	81.49	84.0	4.6
573.0	1879.4	27.568	81.62	71.0	3.9
574.0	1882.7	27.658	81.78	98.0	4.9
575.0	1886.0	27.753	81.96	95.0	5.2

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LOCATION: THE DALLES AMS, ORE.
3S/ 9E- 3CDB

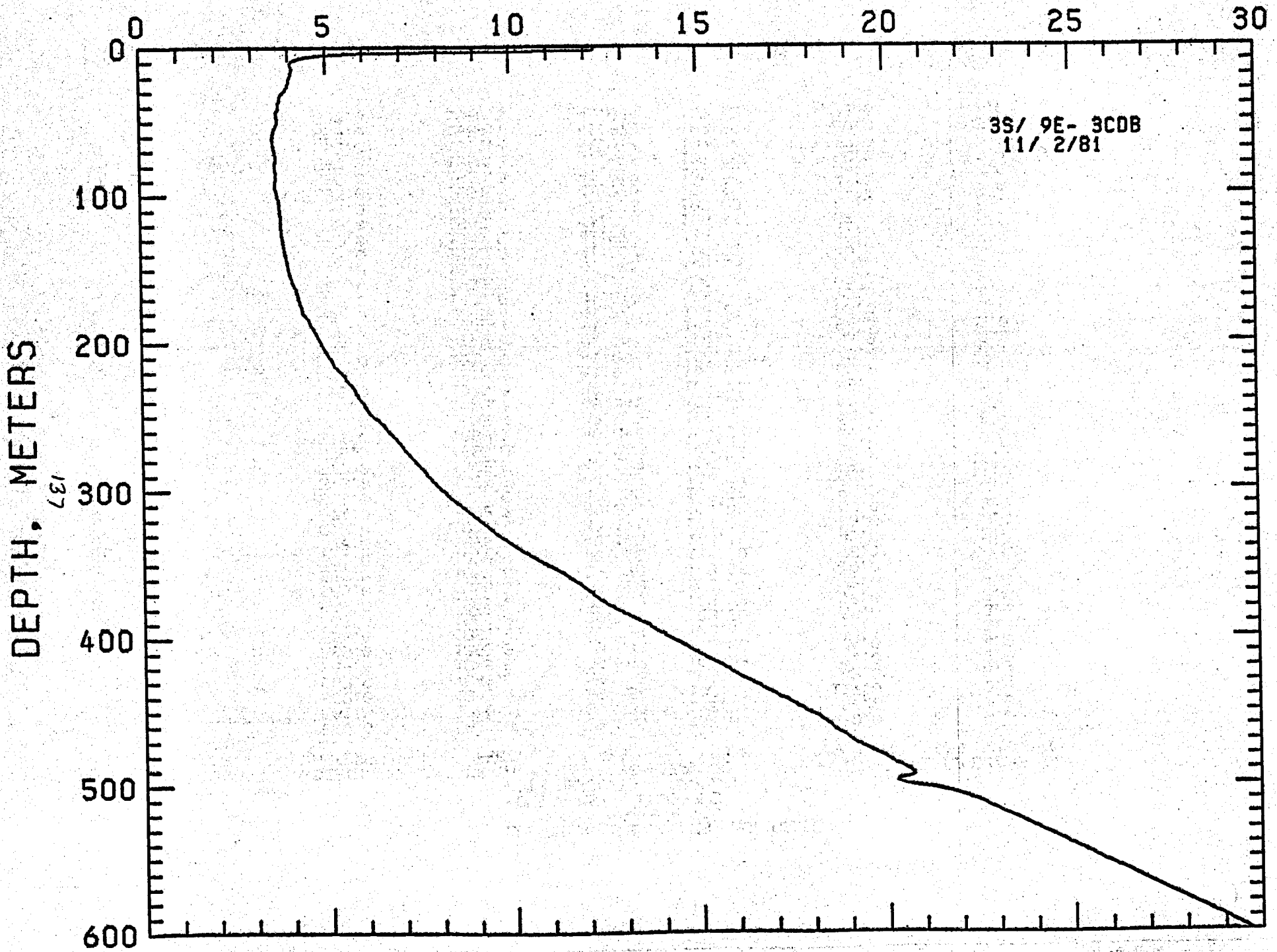
PAGE 15

HOLE NAME: MEADOWS
DATE MEASURED: 11/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
576.0	1889.3	27.820	82.08	67.0	3.7
577.0	1892.6	27.923	82.26	103.0	5.7
578.0	1895.8	27.989	82.38	66.0	3.6
579.0	1899.1	28.068	82.52	79.0	4.3
580.0	1902.4	28.163	82.69	95.0	5.2
581.0	1905.7	28.253	82.86	90.0	4.9
582.0	1909.0	28.339	83.01	86.0	4.7
583.0	1912.2	28.420	83.16	81.0	4.4
584.0	1915.5	28.493	83.29	73.0	4.0
585.0	1918.8	28.577	83.44	84.0	4.6
586.0	1922.1	28.635	83.54	58.0	3.2
587.0	1925.4	28.722	83.70	87.0	4.8
588.0	1928.6	28.818	83.87	96.0	5.4
589.0	1931.9	28.916	84.05	98.0	5.4
590.0	1935.2	28.975	84.16	59.0	3.2
591.0	1938.5	29.061	84.31	86.0	4.7
592.0	1941.8	29.133	84.44	72.0	4.0
593.0	1945.0	29.201	84.56	68.0	3.7
594.0	1948.3	29.268	84.68	67.0	3.7
595.0	1951.6	29.358	84.84	90.0	4.9
596.0	1954.9	29.424	84.96	66.0	3.6
597.0	1958.2	29.501	85.10	77.0	4.2
598.0	1961.4	29.574	85.23	73.0	4.0
599.0	1964.7	29.633	85.34	59.0	3.2
600.0	1968.0	29.702	85.46	69.0	3.8
601.0	1971.3	29.779	85.60	77.0	4.2

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TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, OREGON

35/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
560.0	1836.8	39.369	102.86	0.0	0.0
561.0	1840.1	39.337	102.81	-32.0	-1.0
562.0	1843.4	39.454	103.02	117.0	6.4
563.0	1846.6	39.496	103.09	42.0	2.4
564.0	1849.9	39.567	103.22	71.0	3.9
565.0	1853.2	39.643	103.36	76.0	4.4
566.0	1856.5	39.714	103.49	71.0	3.9
567.0	1859.8	39.779	103.60	65.0	3.6
568.0	1863.0	39.849	103.73	70.0	3.9
569.0	1866.3	39.928	103.87	70.0	3.9
570.0	1869.6	39.978	103.96	50.0	2.4
571.0	1872.9	40.056	104.10	78.0	4.4
572.0	1876.2	40.105	104.19	49.0	2.4
573.0	1879.4	40.171	104.31	66.0	3.6
574.0	1882.7	40.238	104.43	67.0	3.6
575.0	1886.0	40.290	104.52	52.0	2.4
576.0	1889.3	40.496	104.89	206.0	11.1
577.0	1892.6	40.698	105.26	202.0	11.1
578.0	1895.8	40.788	105.42	90.0	4.4
579.0	1899.1	40.845	105.52	57.0	2.4
580.0	1902.4	40.883	105.59	38.0	1.1
581.0	1905.7	40.941	105.69	58.0	2.4
582.0	1909.0	40.986	105.77	45.0	1.1
583.0	1912.2	41.046	105.88	60.0	2.4
584.0	1915.5	41.095	105.97	40.0	1.1
585.0	1918.8	41.151	106.07	56.0	2.4
586.0	1922.1	41.205	106.17	54.0	2.4
587.0	1925.4	41.267	106.28	52.0	2.4
588.0	1928.6	41.340	106.41	73.0	3.6
589.0	1931.9	41.388	106.50	48.0	1.1
590.0	1935.2	41.441	106.59	53.0	2.4
591.0	1938.5	41.503	106.71	62.0	2.4
592.0	1941.8	41.570	106.83	67.0	2.4
593.0	1945.0	41.632	106.94	62.0	2.4
594.0	1948.3	41.683	107.03	51.0	1.1
595.0	1951.6	41.729	107.11	46.0	1.1
596.0	1954.9	41.813	107.26	84.0	4.4
597.0	1958.2	41.875	107.38	63.0	2.4
598.0	1961.4	41.912	107.44	37.0	1.1
599.0	1964.7	41.972	107.56	60.0	2.4
600.0	1968.0	42.044	107.68	72.0	3.6

LOCATION: THE DALLES AMS, OREGON

PAGE 2

35/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
601.0	1971.3	42.115	107.81	71.0	
602.0	1974.6	42.167	107.90	52.0	
603.0	1977.8	42.225	108.01	58.0	
604.0	1981.1	42.261	108.07	36.0	
605.0	1984.4	42.320	108.18	59.0	
606.0	1987.7	42.401	108.32	81.0	
607.0	1991.0	42.452	108.41	51.0	
608.0	1994.2	42.520	108.54	68.0	
609.0	1997.5	42.558	108.60	38.0	
610.0	2000.8	42.617	108.71	59.0	
611.0	2004.1	42.691	108.84	74.0	
612.0	2007.4	42.742	108.94	51.0	
613.0	2010.6	42.807	109.05	65.0	
614.0	2013.9	42.866	109.16	59.0	
615.0	2017.2	42.918	109.25	52.0	
616.0	2020.5	42.975	109.36	57.0	
617.0	2023.8	43.053	109.50	78.0	
618.0	2027.0	43.096	109.57	43.0	
619.0	2030.3	43.173	109.71	77.0	
620.0	2033.6	43.226	109.81	53.0	
621.0	2036.9	43.274	109.89	48.0	
622.0	2040.2	43.338	110.01	64.0	
623.0	2043.4	43.389	110.10	51.0	
624.0	2046.7	43.467	110.24	78.0	
625.0	2050.0	43.513	110.32	46.0	
626.0	2053.3	43.588	110.46	75.0	
627.0	2056.6	43.636	110.54	48.0	
628.0	2059.8	43.694	110.65	58.0	
629.0	2063.1	43.752	110.75	58.0	
630.0	2066.4	43.798	110.84	46.0	
631.0	2069.7	43.862	110.95	64.0	
632.0	2073.0	43.904	111.03	42.0	
633.0	2076.2	43.962	111.13	58.0	
634.0	2079.5	44.024	111.24	62.0	
635.0	2082.8	44.064	111.32	48.0	
636.0	2086.1	44.109	111.40	45.0	
637.0	2089.4	44.179	111.52	78.0	
638.0	2092.6	44.224	111.60	45.0	
639.0	2095.9	44.277	111.70	53.0	
640.0	2099.2	44.317	111.77	48.0	
641.0	2102.5	44.364	111.86	47.0	

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LOCATION: THE DALLES AMS, OREGON

PAGE 3

35/ 95- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
642.0	2105.0	44.424	111.96	60.0	
643.0	2109.0	44.485	112.07	61.0	
644.0	2112.0	44.530	112.15	45.0	
645.0	2115.6	44.587	112.26	57.0	
646.0	2118.9	44.646	112.36	59.0	
647.0	2122.2	44.703	112.47	57.0	
648.0	2125.4	44.746	112.54	43.0	
649.0	2129.7	44.798	112.64	53.0	
650.0	2132.0	44.857	112.76	69.0	
651.0	2135.0	44.918	112.85	51.0	
652.0	2138.6	44.986	112.97	68.0	
653.0	2141.0	45.033	113.06	47.0	
654.0	2145.1	45.090	113.16	57.0	
655.0	2148.4	45.159	113.29	69.0	
656.0	2151.7	45.224	113.40	65.0	
657.0	2155.0	45.270	113.49	46.0	
658.0	2158.0	45.335	113.60	65.0	
659.0	2161.0	45.380	113.68	45.0	
660.0	2164.0	45.470	113.85	90.0	
661.0	2168.1	45.523	113.94	55.0	
662.0	2171.4	45.601	114.08	78.0	
663.0	2174.6	45.664	114.20	65.0	
664.0	2177.9	45.732	114.32	68.0	
665.0	2181.2	45.805	114.45	73.0	
666.0	2184.0	45.884	114.59	73.0	
667.0	2187.0	45.941	114.69	57.0	
668.0	2191.0	46.013	114.82	72.0	
669.0	2194.0	46.081	114.95	68.0	
670.0	2197.6	46.130	115.03	40.0	
671.0	2200.0	46.195	115.15	65.0	
672.0	2204.2	46.263	115.27	68.0	
673.0	2207.4	46.325	115.39	68.0	
674.0	2210.7	46.379	115.48	54.0	
675.0	2214.0	46.443	115.60	64.0	
676.0	2217.0	46.491	115.68	48.0	
677.0	2220.6	46.538	115.77	47.0	
678.0	2223.0	46.594	115.89	60.0	
679.0	2227.1	46.664	116.00	60.0	
680.0	2230.4	46.734	116.12	70.0	
681.0	2233.7	46.789	116.22	54.0	
682.0	2237.0	46.850	116.33	62.0	

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60.0
61.0
45.0
57.0
59.0
57.0
43.0
53.0
69.0
51.0
68.0
47.0
57.0
69.0
65.0
46.0
65.0
45.0
90.0
55.0
78.0
65.0
68.0
73.0
73.0
57.0
72.0
68.0
40.0
65.0
68.0
68.0
54.0
64.0
48.0
47.0
60.0
60.0
70.0
54.0
62.0

LOCATION: THE DALLES AMS, OREGON

PAGE 4

35/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
683.0	2240.2	46.910	116.44	60.0	3.3
684.0	2243.5	46.965	116.54	55.0	3.0
685.0	2246.8	47.028	116.65	63.0	3.5
686.0	2250.1	47.109	116.80	81.0	4.4
687.0	2253.4	47.165	116.90	56.0	3.1
688.0	2256.6	47.219	116.99	54.0	3.0
689.0	2259.9	47.286	117.11	67.0	3.7
690.0	2263.2	47.351	117.23	65.0	3.6
691.0	2266.5	47.426	117.37	75.0	4.1
692.0	2269.8	47.496	117.49	70.0	3.8
693.0	2273.0	47.570	117.63	74.0	4.1
694.0	2276.3	47.628	117.73	58.0	3.2
695.0	2279.6	47.694	117.85	66.0	3.6
696.0	2282.9	47.753	117.96	59.0	3.2
697.0	2286.2	47.828	118.09	75.0	4.1
698.0	2289.4	47.896	118.21	68.0	3.7
699.0	2292.7	47.968	118.34	72.0	4.0
700.0	2296.0	48.049	118.49	81.0	4.4
701.0	2299.3	48.123	118.62	74.0	4.1
702.0	2302.6	48.194	118.75	71.0	3.9
703.0	2305.8	48.267	118.88	73.0	4.0
704.0	2309.1	48.335	119.00	68.0	3.7
705.0	2312.4	48.429	119.17	94.0	5.2
706.0	2315.7	48.511	119.32	82.0	4.5
707.0	2319.0	48.608	119.49	97.0	5.3
708.0	2322.2	48.720	119.70	112.0	6.1
709.0	2325.5	48.823	119.89	103.0	5.7
710.0	2328.8	48.950	120.11	127.0	7.0
711.0	2332.1	49.058	120.30	108.0	5.9
712.0	2335.4	49.156	120.48	98.0	5.4
713.0	2338.6	49.241	120.63	85.0	4.7
714.0	2341.9	49.317	120.77	76.0	4.2
715.0	2345.2	49.406	120.93	89.0	4.9
716.0	2348.5	49.488	121.08	82.0	4.5
717.0	2351.8	49.570	121.23	82.0	4.5
718.0	2355.0	49.630	121.33	60.0	3.3
719.0	2358.3	49.679	121.42	49.0	2.7
720.0	2361.6	49.741	121.53	62.0	3.4
721.0	2364.9	49.799	121.64	58.0	3.2
722.0	2368.2	49.869	121.76	70.0	3.8
723.0	2371.4	50.251	122.45	382.0	21.0

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LOCATION: THE DALLES AMS, OREGON

PAGE 5

35/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
724.0	2374.7	50.005	122.01	-246.0	-13.5
725.0	2378.0	50.053	122.10	48.0	2.6
726.0	2381.3	50.097	122.17	44.0	2.4
727.0	2384.6	50.115	122.21	18.0	1.0
728.0	2387.9	50.148	122.27	33.0	1.8
729.0	2391.1	50.183	122.33	35.0	1.9
730.0	2394.4	50.213	122.38	30.0	1.6
731.0	2397.7	50.246	122.44	33.0	1.8
732.0	2401.0	50.293	122.53	47.0	2.6
733.0	2404.3	50.349	122.63	56.0	3.1
734.0	2407.6	50.382	122.69	33.0	1.8
735.0	2410.9	50.439	122.79	57.0	3.1
736.0	2414.1	50.499	122.90	60.0	3.3
737.0	2417.4	50.528	122.94	21.0	1.1
738.0	2420.6	50.590	122.98	80.0	4.4
739.0	2423.9	50.634	123.14	34.0	1.9
740.0	2427.2	50.691	123.24	57.0	3.1
741.0	2430.5	50.716	123.29	25.0	1.4
742.0	2433.8	50.752	123.35	36.0	2.0
743.0	2437.0	50.841	123.51	59.0	3.3
744.0	2440.3	50.882	123.59	41.0	2.3
745.0	2443.6	50.960	123.73	78.0	4.4
746.0	2446.9	51.039	123.87	79.0	4.4
747.0	2450.2	51.147	124.06	108.0	6.0
748.0	2453.4	51.251	124.25	104.0	5.7
749.0	2456.7	51.341	124.41	98.0	5.4
750.0	2460.0	51.386	124.49	45.0	2.5
751.0	2463.3	51.407	124.53	21.0	1.1
752.0	2466.6	51.422	124.56	15.0	0.8
753.0	2469.9	51.440	124.59	18.0	1.0
754.0	2473.1	51.453	124.62	13.0	0.7
755.0	2476.4	51.475	124.66	22.0	1.2
756.0	2479.7	51.497	124.68	12.0	0.7
757.0	2483.0	51.530	124.76	43.0	2.4
758.0	2486.2	51.586	124.85	56.0	3.1
759.0	2489.5	51.673	125.01	87.0	4.8
760.0	2492.8	51.699	125.06	26.0	1.4
761.0	2496.1	51.744	125.14	45.0	2.5
762.0	2499.4	51.787	125.22	43.0	2.4
763.0	2502.6	51.865	125.36	78.0	4.3
764.0	2505.9	51.932	125.48	67.0	3.7

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LOCATION: THE DALLES AMS, OREGON

PAGE 6

35/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
765.0	2509.2	52.011	125.62	79.0	4.3
766.0	2512.5	52.098	125.78	87.0	4.8
767.0	2515.8	52.170	125.91	72.0	4.0
768.0	2519.0	52.227	126.01	57.0	3.1
769.0	2522.3	52.293	126.13	66.0	3.6
770.0	2525.6	52.351	126.23	58.0	3.2
771.0	2528.9	52.427	126.37	76.0	4.2
772.0	2532.2	52.493	126.49	66.0	3.6
773.0	2535.4	52.564	126.62	71.0	3.9
774.0	2538.7	52.645	126.76	81.0	4.4
775.0	2542.0	52.737	126.93	92.0	5.0
776.0	2545.3	52.817	127.07	80.0	4.4
777.0	2548.6	52.873	127.17	66.0	3.1
778.0	2551.8	52.913	127.24	40.0	2.2
779.0	2555.1	52.942	127.30	25.0	1.6
780.0	2558.4	52.958	127.32	16.0	0.9
781.0	2561.7	52.974	127.35	16.0	0.9
782.0	2565.0	53.002	127.40	28.0	1.5
783.0	2568.2	53.060	127.51	58.0	3.2
784.0	2571.5	53.110	127.60	50.0	2.7
785.0	2574.8	53.182	127.73	72.0	4.0
786.0	2578.1	53.254	127.86	72.0	4.0
787.0	2581.4	53.335	128.00	81.0	4.4
788.0	2584.6	53.408	128.13	73.0	4.0
789.0	2587.9	53.493	128.29	85.0	4.7
790.0	2591.2	53.560	128.41	67.0	3.7
791.0	2594.5	53.641	128.55	81.0	4.4
792.0	2597.8	53.715	128.69	74.0	4.1
793.0	2601.0	53.782	128.81	67.0	3.7
794.0	2604.3	53.849	128.93	67.0	3.7
795.0	2607.6	53.925	129.07	76.0	4.2
796.0	2610.9	53.991	129.18	66.0	3.6
797.0	2614.2	54.069	129.32	78.0	4.3
798.0	2617.4	54.124	129.42	55.0	3.0
799.0	2620.7	54.185	129.53	61.0	3.3
800.0	2624.0	54.259	129.67	74.0	4.1
801.0	2627.3	54.330	129.79	71.0	3.9
802.0	2630.6	54.374	129.87	44.0	2.4
803.0	2633.8	54.450	130.01	76.0	4.2
804.0	2637.1	54.515	130.13	65.0	3.6
805.0	2640.4	54.569	130.22	54.0	3.0

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LOCATION: THE DALLES AMS, OREGON

PAGE 7

HOLE NAME: USGS-PUC
 DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
806.0	2643.7	54.619	130.31	50.0	2.7
807.0	2647.0	54.688	130.44	69.0	3.0
808.0	2650.2	54.754	130.56	66.0	3.6
809.0	2653.5	54.830	130.69	76.0	4.2
810.0	2656.8	54.907	130.83	77.0	4.2
811.0	2660.1	54.979	130.96	72.0	4.0
812.0	2663.4	55.067	131.12	88.0	4.0
813.0	2666.6	55.143	131.26	76.0	4.2
814.0	2669.9	55.238	131.43	95.0	5.2
815.0	2673.2	55.354	131.64	116.0	5.4
816.0	2676.5	55.445	131.80	91.0	5.0
817.0	2679.8	55.504	131.91	59.0	3.2
818.0	2683.0	55.569	132.02	65.0	3.6
819.0	2686.3	55.616	132.11	47.0	2.6
820.0	2689.6	55.660	132.19	44.0	2.4
821.0	2692.9	55.708	132.27	48.0	2.6
822.0	2696.2	55.760	132.37	52.0	2.8
823.0	2699.4	55.805	132.45	45.0	2.5
824.0	2702.7	55.836	132.50	31.0	1.7
825.0	2706.0	55.895	132.61	59.0	3.2
826.0	2709.3	55.930	132.67	35.0	1.9
827.0	2712.6	55.989	132.78	59.0	3.2
828.0	2715.8	56.045	132.88	56.0	3.0
829.0	2719.1	56.101	132.98	56.0	3.0
830.0	2722.4	56.140	133.05	39.0	2.1
831.0	2725.7	56.186	133.13	46.0	2.5
832.0	2729.0	56.227	133.21	41.0	2.3
833.0	2732.2	56.269	133.28	42.0	2.3
834.0	2735.5	56.330	133.39	61.0	3.3
835.0	2738.8	56.435	133.58	105.0	5.7
836.0	2742.1	56.511	133.72	76.0	4.4
837.0	2745.4	56.585	133.85	74.0	4.4
838.0	2748.6	56.633	133.94	48.0	2.6
839.0	2751.9	56.681	134.03	48.0	2.6
840.0	2755.2	56.728	134.11	47.0	2.5
841.0	2758.5	56.776	134.20	48.0	2.6
842.0	2761.8	56.884	134.39	100.0	5.5
843.0	2765.0	56.942	134.50	58.0	3.2
844.0	2768.3	57.000	134.60	58.0	3.2
845.0	2771.6	57.057	134.72	67.0	3.7
846.0	2774.9	57.128	134.83	61.0	3.4

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LOCATION: THE DALLES AMS, OREGON

PAGE 8

3S/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
847.0	2778.2	57.183	134.93	55.0	9.0
848.0	2781.4	57.231	135.02	48.0	2.6
849.0	2784.7	57.265	135.08	34.0	1.9
850.0	2788.0	57.315	135.17	50.0	2.7
851.0	2791.3	57.361	135.25	46.0	2.5
852.0	2794.6	57.423	135.36	62.0	3.4
853.0	2797.8	57.509	135.52	86.0	4.7
854.0	2801.1	57.638	135.75	129.0	7.1
855.0	2804.4	57.768	135.98	130.0	7.1
856.0	2807.7	57.888	136.18	112.0	6.1
857.0	2811.0	57.979	136.36	99.0	5.4
858.0	2814.2	58.054	136.50	75.0	4.1
859.0	2817.5	58.122	136.62	68.0	3.7
860.0	2820.8	58.179	136.72	57.0	3.1
861.0	2824.1	58.253	136.86	74.0	4.1
862.0	2827.4	58.294	136.93	41.0	2.6
863.0	2830.6	58.324	136.98	30.0	1.6
864.0	2833.9	58.363	137.05	39.0	1.1
865.0	2837.2	58.415	137.15	52.0	2.9
866.0	2840.5	58.489	137.28	74.0	4.1
867.0	2843.8	58.538	137.37	49.0	2.7
868.0	2847.0	58.635	137.54	97.0	5.3
869.0	2850.3	58.720	137.70	85.0	4.7
870.0	2853.6	58.787	137.82	67.0	3.7
871.0	2856.9	58.827	137.89	40.0	2.0
872.0	2860.2	58.863	137.95	36.0	1.8
873.0	2863.4	58.901	138.02	38.0	1.1
874.0	2866.7	58.971	138.15	70.0	4.0
875.0	2870.0	59.039	138.27	68.0	3.9
876.0	2873.3	59.145	138.46	106.0	5.7
877.0	2876.6	59.245	138.64	100.0	5.5
878.0	2879.8	59.325	138.78	80.0	4.4
879.0	2883.1	59.381	138.89	56.0	3.1
880.0	2886.4	59.456	139.02	75.0	4.1
881.0	2889.7	59.550	139.19	94.0	5.2
882.0	2893.0	59.728	139.51	178.0	9.9
883.0	2896.2	59.898	139.82	170.0	9.3
884.0	2899.5	59.975	139.96	77.0	4.4
885.0	2902.8	60.071	140.13	96.0	5.5
886.0	2906.1	60.134	140.24	63.0	3.5
887.0	2909.4	60.182	140.33	48.0	2.6

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LOCATION: THE DALLES AMS, OREGON

PAGE 9

3S/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
888.0	2912.6	60.224	140.40	42.0	2.3
889.0	2915.9	60.247	140.44	23.0	1.3
890.0	2919.2	60.284	140.51	37.0	2.0
891.0	2922.5	60.309	140.56	25.0	1.4
892.0	2925.8	60.346	140.62	37.0	2.0
893.0	2929.1	60.384	140.69	38.0	2.0
894.0	2932.4	60.442	140.80	58.0	3.1
895.0	2935.7	60.523	140.95	67.0	3.7
896.0	2939.0	60.577	141.04	48.0	2.6
897.0	2942.3	60.623	141.13	52.0	2.8
898.0	2945.6	60.673	141.21	44.0	2.4
899.0	2948.9	60.709	141.28	36.0	2.0
900.0	2952.2	60.730	141.31	21.0	1.1
901.0	2955.5	60.775	141.40	45.0	2.5
902.0	2958.8	60.854	141.54	78.0	4.3
903.0	2962.1	60.960	141.73	106.0	5.8
904.0	2965.4	61.146	142.06	106.0	5.8
905.0	2968.7	61.255	142.26	110.0	6.0
906.0	2972.0	61.344	142.42	88.0	4.8
907.0	2975.3	61.407	142.53	63.0	3.5
908.0	2978.6	61.472	142.65	65.0	3.6
909.0	2981.9	61.523	142.74	51.0	2.8
910.0	2985.2	61.559	142.81	36.0	2.0
911.0	2988.5	61.623	142.92	64.0	3.5
912.0	2991.8	61.668	143.00	45.0	2.5
913.0	2995.1	61.727	143.11	59.0	3.3
914.0	2998.4	61.762	143.17	36.0	2.0
915.0	3001.7	61.789	143.22	26.0	1.4
916.0	3005.0	61.810	143.26	22.0	1.2
917.0	3008.3	61.849	143.33	39.0	2.1
918.0	3011.6	61.883	143.39	34.0	1.9
919.0	3014.9	61.921	143.46	38.0	2.1
920.0	3018.2	61.990	143.58	69.0	3.8
921.0	3021.5	62.103	143.79	113.0	6.2
922.0	3024.8	62.210	143.98	107.0	5.9
923.0	3028.1	62.291	144.12	81.0	4.4
924.0	3031.4	62.409	144.33	117.0	6.4
925.0	3034.7	62.528	144.55	120.0	6.6
926.0	3038.0	62.681	144.83	153.0	8.4
927.0	3041.3	62.784	145.01	103.0	5.7
928.0	3044.6	62.883	145.19	99.0	5.4

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LOCATION: THE DALLES AMS, OREGON

PAGE 10

3S/ SE- 7AD
 HOLE NAME: USGS-PUC
 DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
929.0	3047.1	62.955	145.32	72.0	4.0
930.0	3050.4	62.993	145.39	38.0	2.1
931.0	3053.7	63.044	145.48	51.0	2.8
932.0	3057.0	63.083	145.55	39.0	2.1
933.0	3060.2	63.177	145.72	94.0	5.2
934.0	3063.5	63.286	145.91	109.0	6.0
935.0	3066.8	63.397	146.11	111.0	6.1
936.0	3070.1	63.540	146.37	143.0	7.8
937.0	3073.4	63.675	146.62	135.0	7.4
938.0	3076.6	63.792	146.83	117.0	6.4
939.0	3079.9	63.911	147.04	119.0	6.5
940.0	3083.2	64.005	147.21	94.0	5.2
941.0	3086.5	64.066	147.32	61.0	3.3
942.0	3089.8	64.129	147.43	63.0	3.4
943.0	3093.0	64.199	147.56	70.0	3.8
944.0	3096.3	64.290	147.72	91.0	5.0
945.0	3099.6	64.397	147.91	107.0	5.9
946.0	3102.9	64.502	148.10	105.0	5.8
947.0	3106.2	64.605	148.29	103.0	5.7
948.0	3109.4	64.752	148.55	147.0	8.1
949.0	3112.7	64.856	148.74	104.0	5.7
950.0	3116.0	64.924	148.86	69.0	3.7
951.0	3119.3	65.026	149.05	102.0	5.6
952.0	3122.6	65.111	149.20	85.0	4.7
953.0	3125.8	65.192	149.35	81.0	4.4
954.0	3129.1	65.267	149.48	75.0	4.1
955.0	3132.4	65.319	149.57	52.0	2.9
956.0	3135.7	65.373	149.67	54.0	3.0
957.0	3139.0	65.433	149.78	60.0	3.3
958.0	3142.2	65.499	149.90	66.0	3.6
959.0	3145.5	65.534	149.96	35.0	1.9
960.0	3148.8	65.605	150.09	71.0	3.9
961.0	3152.1	65.664	150.20	59.0	3.2
962.0	3155.4	65.772	150.39	108.0	6.0
963.0	3158.6	65.830	150.49	59.0	3.2
964.0	3161.9	65.896	150.61	66.0	3.6
965.0	3165.2	65.952	150.71	56.0	3.1
966.0	3168.5	66.014	150.83	62.0	3.4
967.0	3171.8	66.078	150.94	64.0	3.5
968.0	3175.0	66.126	151.03	48.0	2.6
969.0	3178.3	66.187	151.14	61.0	3.3

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LOCATION: THE DALLES AMS, OREGON

PAGE 11

HOLE NAME: USGS-PLC
 DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
970.0	3181.6	66.216	151.19	29.0	1.6
971.0	3184.9	66.303	151.35	29.0	1.6
972.0	3188.2	66.400	151.52	29.0	1.6
973.0	3191.4	66.543	151.78	29.0	1.6
974.0	3194.7	66.662	151.99	29.0	1.6
975.0	3198.0	66.792	152.23	29.0	1.6
976.0	3201.3	66.938	152.49	29.0	1.6
977.0	3204.6	67.016	152.63	29.0	1.6
978.0	3207.8	67.109	152.80	29.0	1.6
979.0	3211.1	67.168	152.90	29.0	1.6
980.0	3214.4	67.218	152.99	29.0	1.6
981.0	3217.7	67.287	153.12	29.0	1.6
982.0	3221.0	67.347	153.22	29.0	1.6
983.0	3224.3	67.430	153.37	29.0	1.6
984.0	3227.6	67.482	153.47	29.0	1.6
985.0	3230.9	67.551	153.59	29.0	1.6
986.0	3234.1	67.638	153.75	29.0	1.6
987.0	3237.4	67.686	153.83	29.0	1.6
988.0	3240.6	67.733	153.92	29.0	1.6
989.0	3243.9	67.798	154.04	29.0	1.6
990.0	3247.2	67.871	154.17	29.0	1.6
991.0	3250.5	67.949	154.31	29.0	1.6
992.0	3253.8	68.012	154.42	29.0	1.6
993.0	3257.0	68.082	154.55	29.0	1.6
994.0	3260.3	68.173	154.71	29.0	1.6
995.0	3263.6	68.262	154.87	29.0	1.6
996.0	3266.9	68.360	155.05	29.0	1.6
997.0	3270.2	68.464	155.24	29.0	1.6
998.0	3273.4	68.575	155.44	29.0	1.6
999.0	3276.7	68.666	155.60	29.0	1.6
1000.0	3280.0	68.726	155.71	29.0	1.6
1001.0	3283.3	68.794	155.83	29.0	1.6
1002.0	3286.6	68.862	155.95	29.0	1.6
1003.0	3289.9	68.934	156.08	29.0	1.6
1004.0	3293.1	68.994	156.17	29.0	1.6
1005.0	3296.4	69.050	156.29	29.0	1.6
1006.0	3299.7	69.090	156.34	29.0	1.6
1007.0	3303.0	69.130	156.43	29.0	1.6
1008.0	3306.2	69.166	156.50	29.0	1.6
1009.0	3309.5	69.207	156.57	29.0	1.6
1010.0	3312.8	69.277	156.70	29.0	1.6

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LOCATION: THE DALLES AMS, OREGON

PAGE 12

3S/ 9E- 7AD

HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1011.0	3316.1	69.361	156.65	84.0	4.6
1012.0	3319.4	69.492	157.09	131.0	7.2
1013.0	3322.6	69.593	157.27	101.0	5.5
1014.0	3325.9	69.720	157.50	127.0	7.0
1015.0	3329.2	69.801	157.64	81.0	4.4
1016.0	3332.5	69.902	157.82	101.0	5.5
1017.0	3335.8	69.981	157.97	79.0	4.4
1018.0	3339.0	70.059	158.11	78.0	4.3
1019.0	3342.3	70.161	158.29	102.0	5.6
1020.0	3345.6	70.238	158.43	77.0	4.4
1021.0	3348.9	70.328	158.59	98.0	4.9
1022.0	3352.2	70.410	158.74	82.0	4.5
1023.0	3355.4	70.495	158.89	85.0	4.4
1024.0	3358.7	70.572	159.03	77.0	4.2
1025.0	3362.0	70.648	159.17	76.0	4.2
1026.0	3365.3	70.733	159.32	85.0	4.4
1027.0	3368.6	70.821	159.48	88.0	4.4
1028.0	3371.8	70.890	159.60	69.0	3.8
1029.0	3375.1	70.973	159.75	83.0	4.6
1030.0	3378.4	71.067	159.92	94.0	5.2
1031.0	3381.7	71.122	160.02	55.0	3.0
1032.0	3385.0	71.167	160.10	45.0	2.5
1033.0	3388.2	71.223	160.20	56.0	3.1
1034.0	3391.5	71.286	160.31	63.0	3.5
1035.0	3394.8	71.386	160.49	100.0	5.5
1036.0	3398.1	71.482	160.67	96.0	5.3
1037.0	3401.4	71.546	160.78	64.0	3.5
1038.0	3404.6	71.628	160.93	82.0	4.4
1039.0	3407.9	71.729	161.11	101.0	5.5
1040.0	3411.2	71.850	161.35	131.0	7.2
1041.0	3414.5	71.960	161.53	100.0	5.5
1042.0	3417.8	72.005	161.61	45.0	2.5
1043.0	3421.0	72.087	161.76	82.0	4.4
1044.0	3424.3	72.125	161.83	38.0	2.1
1045.0	3427.6	72.167	161.90	42.0	2.3
1046.0	3430.9	72.193	161.95	26.0	1.4
1047.0	3434.2	72.211	161.98	18.0	1.0
1048.0	3437.4	72.246	162.04	35.0	1.9
1049.0	3440.7	72.253	162.06	7.0	0.4
1050.0	3444.0	72.278	162.10	25.0	1.4
1051.0	3447.3	72.291	162.12	13.0	0.7

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LOCATION: THE DALLES AMS, OREGON

PAGE 13

HOLE NAME: USGS-FUC
 DATE MEASURED: 6/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1052.0	3450.6	72.305	162.15	14.0	0.8
1053.0	3453.8	72.322	162.18	17.0	0.9
1054.0	3457.1	72.360	162.25	38.0	2.1
1055.0	3460.4	72.408	162.33	48.0	2.6
1056.0	3463.7	72.463	162.43	55.0	3.0
1057.0	3467.0	72.546	162.58	83.0	4.6
1058.0	3470.2	72.593	162.67	47.0	2.8
1059.0	3473.5	72.655	162.78	62.0	3.4
1060.0	3476.8	72.749	162.95	94.0	5.2
1061.0	3480.1	72.888	163.20	139.0	7.7
1062.0	3483.4	73.014	163.43	126.0	6.9
1063.0	3486.6	73.069	163.52	55.0	3.0
1064.0	3489.9	73.115	163.61	46.0	2.8
1065.0	3493.2	73.152	163.67	37.0	2.2
1066.0	3496.5	73.192	163.75	40.0	2.3
1067.0	3499.8	73.263	163.87	71.0	4.1
1068.0	3503.1	73.338	164.01	75.0	4.4
1069.0	3506.4	73.415	164.15	77.0	4.4
1070.0	3509.7	73.493	164.29	78.0	4.4
1071.0	3512.9	73.579	164.44	86.0	4.9
1072.0	3516.2	73.652	164.59	83.0	4.6
1073.0	3519.5	73.744	164.74	82.0	4.4
1074.0	3522.8	73.823	164.88	73.0	4.4
1075.0	3526.0	73.897	165.01	74.0	4.4
1076.0	3529.3	73.954	165.12	57.0	3.1
1077.0	3532.6	74.037	165.27	83.0	4.4
1078.0	3535.9	74.109	165.40	72.0	4.4
1079.0	3539.1	74.168	165.50	59.0	3.3
1080.0	3542.4	74.237	165.63	69.0	3.9
1081.0	3545.7	74.304	165.75	67.0	3.7
1082.0	3549.0	74.368	165.86	64.0	3.5
1083.0	3552.2	74.434	165.98	66.0	3.6
1084.0	3555.5	74.504	166.11	70.0	3.8
1085.0	3558.8	74.560	166.21	56.0	3.1
1086.0	3562.1	74.638	166.35	78.0	4.4
1087.0	3565.4	74.702	166.46	64.0	3.5
1088.0	3568.6	74.764	166.58	62.0	3.4
1089.0	3571.9	74.834	166.70	70.0	3.8
1090.0	3575.2	74.900	166.82	66.0	3.5
1091.0	3578.5	74.958	166.92	58.0	3.2
1092.0	3581.8	75.039	167.07	81.0	4.4

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LOCATION: THE DALLES AMS. OREGON

PAGE 14

3S/ 9E- 7AD

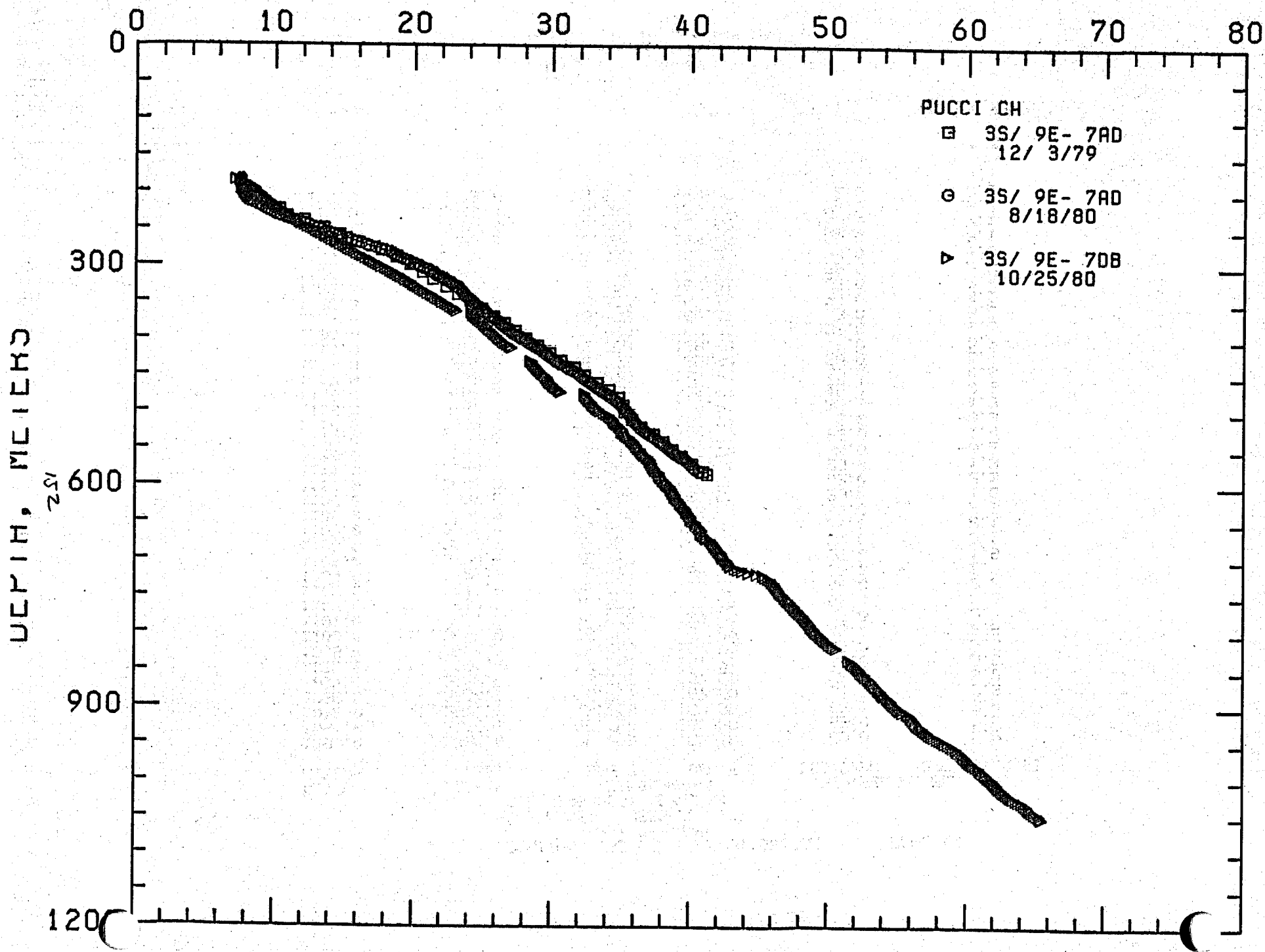
HOLE NAME: USGS-PUC

DATE MEASURED: 6/23/81

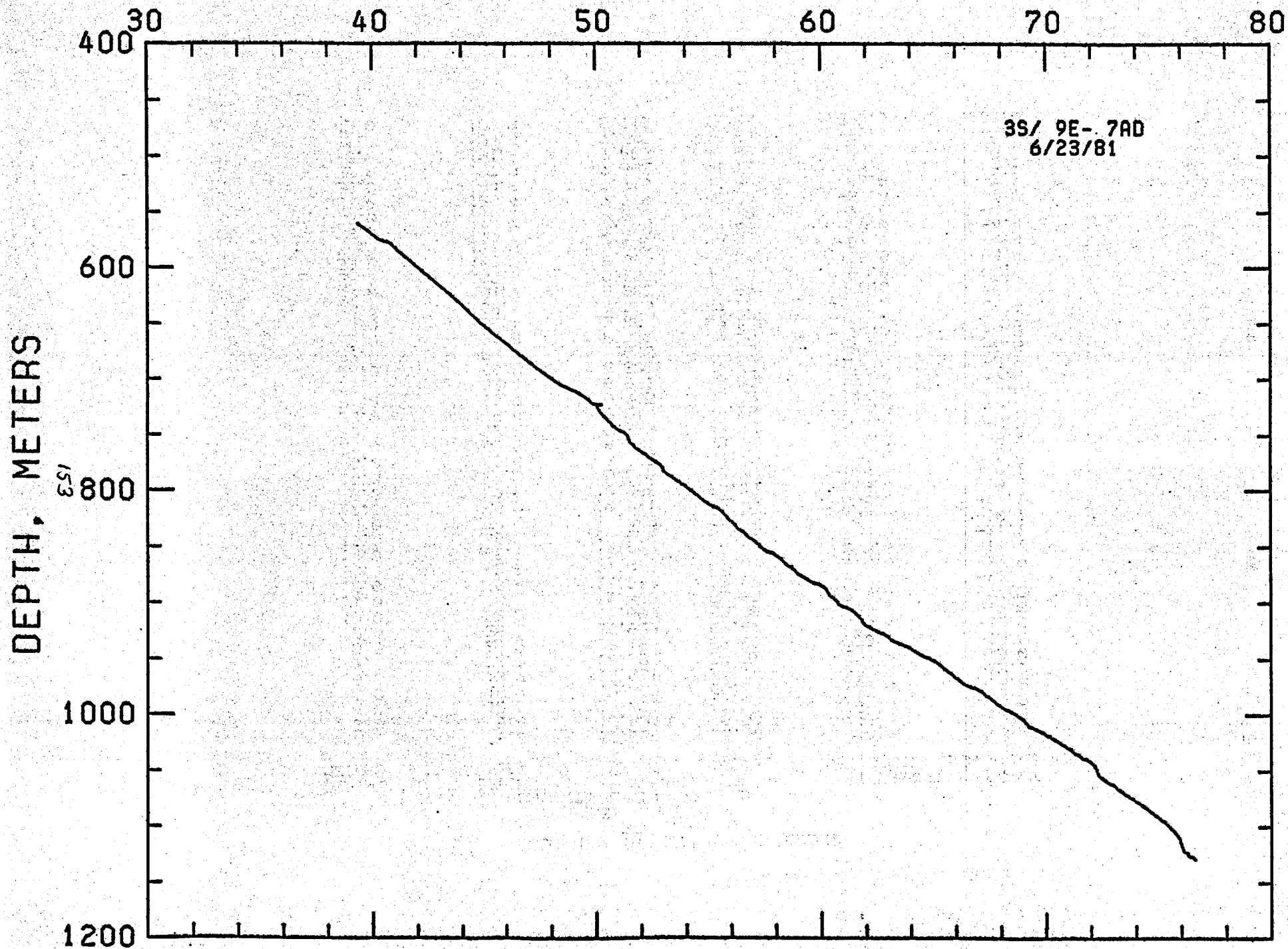
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1093.0	3585.0	75.099	167.18	60.0	3.3
1094.0	3588.3	75.154	167.28	55.0	3.0
1095.0	3591.6	75.216	167.39	62.0	3.4
1096.0	3594.9	75.277	167.50	61.0	3.3
1097.0	3598.2	75.335	167.60	58.0	3.2
1098.0	3601.4	75.395	167.71	60.0	3.3
1099.0	3604.7	75.440	167.79	45.0	2.5
1100.0	3608.0	75.485	167.87	45.0	2.5
1101.0	3611.3	75.528	167.95	43.0	2.4
1102.0	3614.6	75.587	168.06	59.0	3.2
1103.0	3617.8	75.627	168.13	40.0	2.2
1104.0	3621.1	75.677	168.22	50.0	2.8
1105.0	3624.4	75.712	168.28	35.0	1.9
1106.0	3627.7	75.769	168.38	57.0	3.1
1107.0	3631.0	75.808	168.45	39.0	2.1
1108.0	3634.2	75.855	168.54	47.0	2.6
1109.0	3637.5	75.884	168.59	29.0	1.6
1110.0	3640.8	75.926	168.67	42.0	2.3
1111.0	3644.1	75.949	168.71	23.0	1.3
1112.0	3647.4	75.945	168.70	14.0	0.8
1113.0	3650.6	75.971	168.75	26.0	1.4
1114.0	3653.9	75.965	168.74	16.0	0.9
1115.0	3657.2	75.998	168.80	33.0	1.8
1116.0	3660.5	76.013	168.82	15.0	0.8
1117.0	3663.8	76.023	168.84	10.0	0.5
1118.0	3667.0	76.053	168.90	30.0	1.5
1119.0	3670.3	76.058	168.90	5.0	0.3
1120.0	3673.6	76.090	168.96	32.0	1.8
1121.0	3676.9	76.093	168.97	3.0	0.2
1122.0	3680.2	76.167	169.10	74.0	4.1
1123.0	3683.4	76.229	169.21	62.0	3.4
1124.0	3686.7	76.281	169.31	52.0	2.9
1125.0	3690.0	76.305	169.35	24.0	1.3
1126.0	3693.3	76.361	169.45	56.0	3.1
1127.0	3696.6	76.490	169.68	129.0	7.1
1128.0	3699.8	76.584	169.85	94.0	5.2
1129.0	3703.1	76.585	169.85	2.0	0.1

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TEMPERATURE, DEG C



TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, OREGON

3S/ 9E-16CAD

HOLE NAME: WHT RIVR

DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	13.558	56.40	0.0	0.0
3.0	9.8	13.334	56.00	-224.0	-12.0
4.0	13.1	13.075	55.54	-259.0	-14.0
5.0	16.4	12.853	55.14	-222.0	-12.0
6.0	19.7	12.631	54.74	-222.0	-12.0
7.0	23.0	12.394	54.31	-237.0	-13.0
8.0	26.3	12.164	53.90	-230.0	-12.0
9.0	29.6	11.929	53.47	-235.0	-12.0
10.0	32.9	11.699	53.06	-230.0	-12.0
11.0	36.1	11.476	52.66	-223.0	-12.0
12.0	39.4	11.259	52.27	-217.0	-11.0
13.0	42.6	11.043	51.88	-216.0	-11.0
14.0	45.9	10.840	51.51	-203.0	-11.1
15.0	49.2	10.638	51.16	-202.0	-11.1
16.0	52.5	10.443	50.80	-195.0	-10.7
17.0	55.8	10.241	50.43	-202.0	-11.1
18.0	59.1	10.052	50.09	-189.0	-10.4
19.0	62.4	9.868	49.76	-184.0	-10.1
20.0	65.7	9.692	49.45	-176.0	-9.7
21.0	69.0	9.521	49.14	-171.0	-9.4
22.0	72.3	9.359	48.85	-162.0	-9.0
23.0	75.6	9.210	48.58	-149.0	-8.0
24.0	78.9	9.065	48.32	-145.0	-8.0
25.0	82.2	8.931	48.08	-134.0	-7.4
26.0	85.5	8.806	47.85	-125.0	-7.0
27.0	88.8	8.685	47.63	-121.0	-7.0
28.0	92.1	8.572	47.43	-113.0	-6.6
29.0	95.4	8.464	47.24	-108.0	-6.4
30.0	98.7	8.360	47.05	-104.0	-6.2
31.0	101.7	8.262	46.87	-98.0	-5.9
32.0	105.0	8.169	46.70	-93.0	-5.7
33.0	108.3	8.080	46.54	-89.0	-5.5
34.0	111.6	8.000	46.40	-80.0	-5.0
35.0	114.9	7.920	46.26	-80.0	-5.0
36.0	118.1	7.846	46.12	-74.0	-4.7
37.0	121.4	7.779	46.00	-67.0	-4.4
38.0	124.7	7.719	45.89	-60.0	-4.0
39.0	127.9	7.662	45.79	-57.0	-3.9
40.0	131.2	7.603	45.69	-57.0	-3.9
41.0	134.5	7.549	45.59	-54.0	-3.7
42.0	137.8	5.719	42.29	-180.0	-10.4

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LOCATION: THE DALLES AMS, OREGON

PAGE 2

HOLE NAME: WHT RIUR
 DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	5.572	42.03	-147.0	-6.1
44.0	144.3	5.654	42.20	92.0	5.0
45.0	147.6	5.665	42.20	1.0	0.1
46.0	150.9	5.720	42.30	55.0	3.0
47.0	154.2	5.747	42.34	27.0	1.5
48.0	157.4	5.767	42.38	20.0	1.1
49.0	160.7	5.779	42.40	12.0	0.7
49.0	164.0	5.790	42.42	11.0	0.6
50.0	167.3	5.800	42.44	10.0	0.5
51.0	170.6	5.820	42.48	20.0	1.1
52.0	173.8	5.842	42.52	22.0	1.2
54.0	177.1	5.850	42.53	8.0	0.4
55.0	180.4	5.874	42.57	24.0	1.3
56.0	183.7	5.894	42.61	28.0	1.4
57.0	187.0	5.940	42.69	46.0	2.4
59.0	193.2	5.984	42.77	44.0	2.3
59.0	193.2	6.050	42.89	66.0	3.6
60.0	196.5	6.107	42.99	57.0	3.1
61.0	200.1	6.175	43.12	69.0	3.7
62.0	203.4	6.258	43.26	83.0	4.4
63.0	206.6	6.334	43.40	76.0	4.2
64.0	209.9	6.373	43.48	45.0	2.5
65.0	213.2	6.434	43.58	55.0	3.0
66.0	216.5	6.528	43.75	94.0	5.0
67.0	219.8	6.618	43.91	90.0	4.9
68.0	223.1	6.665	44.00	47.0	2.6
69.0	226.3	6.729	44.11	64.0	3.7
70.0	229.6	6.815	44.27	66.0	3.7
71.0	232.9	6.889	44.40	74.0	4.1
72.0	236.2	6.996	44.59	107.0	5.9
73.0	239.4	7.074	44.73	78.0	4.4
74.0	242.7	7.139	44.85	65.0	3.9
75.0	246.0	7.202	44.96	63.0	3.8
76.0	249.3	7.260	45.07	58.0	3.5
77.0	252.6	7.335	45.20	76.0	4.4
78.0	255.9	7.384	45.29	49.0	3.1
79.0	259.1	7.437	45.39	53.0	3.4
80.0	262.4	7.468	45.44	51.0	3.3
81.0	265.7	7.515	45.53	47.0	3.0
82.0	269.0	7.574	45.63	59.0	3.6
83.0	272.2	7.627	45.73	53.0	3.3

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LOCATION: THE DALLES AMS, OREGON

PAGE 3

HOLE NAME: WHT RIVR
 DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	7.665	45.80	38.0	2.1
85.0	278.0	7.707	45.87	42.0	2.2
86.0	282.1	7.787	46.02	46.0	2.3
87.0	285.4	7.841	46.11	50.0	2.4
88.0	288.0	7.892	46.21	54.0	2.5
89.0	291.0	7.907	46.23	51.0	2.5
90.0	293.0	7.922	46.26	15.0	0.8
91.0	298.0	7.947	46.50	25.0	1.4
92.0	301.0	7.990	46.58	43.0	2.4
93.0	305.0	8.051	46.51	71.0	4.0
94.0	308.0	8.105	46.59	44.0	2.4
95.0	311.0	8.177	46.72	44.0	2.4
96.0	314.0	8.242	46.84	72.0	4.0
97.0	316.0	8.277	46.90	65.0	3.6
98.0	321.4	8.322	46.98	35.0	2.0
99.0	324.0	8.383	47.09	45.0	2.5
100.0	328.0	8.432	47.18	61.0	3.4
101.0	331.0	8.482	47.27	49.0	2.7
102.0	334.0	8.530	47.35	50.0	2.7
103.0	337.0	8.605	47.49	48.0	2.6
104.0	341.1	8.655	47.58	75.0	4.2
105.0	344.4	8.712	47.68	55.0	3.1
106.0	347.7	8.777	47.80	57.0	3.2
107.0	351.0	8.842	47.92	65.0	3.6
108.0	354.0	8.899	48.02	65.0	3.6
109.0	357.5	8.957	48.14	57.0	3.2
110.0	360.0	9.006	48.21	68.0	3.8
111.0	364.1	9.044	48.28	39.0	2.2
112.0	367.4	9.094	48.37	50.0	2.8
113.0	370.6	9.157	48.48	60.0	3.4
114.0	373.0	9.230	48.61	60.0	3.4
115.0	377.0	9.247	48.64	73.0	4.1
116.0	380.0	9.274	48.69	17.0	0.9
117.0	383.0	9.289	48.72	27.0	1.5
118.0	387.0	9.310	48.76	15.0	0.8
119.0	390.0	9.362	48.85	21.0	1.2
120.0	393.6	9.400	48.89	70.0	4.0
121.0	396.0	9.509	49.05	90.0	5.1
122.0	400.0	9.614	49.31	79.0	4.4
123.0	403.4	9.677	49.42	55.0	3.1
124.0	406.7	9.722	49.50	63.0	3.6
				45.0	2.5

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LOCATION: THE DALLES AMS, OREGON

PAGE 4

3S/ 9E-16CAD

HOLE NAME: WHT RIVR

DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	9.743	49.54	21.0	1.2
126.0	413.3	9.764	49.58	21.0	1.2
127.0	416.6	9.779	49.60	15.0	0.8
128.0	419.8	9.802	49.64	23.0	1.3
129.0	423.1	9.854	49.74	52.0	2.9
130.0	426.4	9.912	49.84	58.0	3.2
131.0	429.7	9.956	49.92	44.0	2.4
132.0	433.0	10.009	50.02	53.0	2.9
133.0	436.2	10.056	50.10	47.0	2.6
134.0	439.5	10.120	50.22	64.0	3.5
135.0	442.8	10.160	50.29	40.0	2.2
136.0	446.1	10.197	50.35	37.0	2.0
137.0	449.4	10.225	50.40	28.0	1.5
138.0	452.6	10.255	50.46	30.0	1.6
139.0	455.9	10.323	50.58	68.0	3.7
140.0	459.2	10.461	50.83	138.0	7.6
141.0	462.5	10.478	50.86	17.0	0.9
142.0	465.8	10.514	50.93	36.0	2.0
143.0	469.0	10.543	50.98	29.0	1.6
144.0	472.3	10.559	51.01	16.0	0.9
145.0	475.6	10.581	51.05	22.0	1.2
146.0	478.9	10.640	51.15	59.0	3.3
147.0	482.2	10.700	51.26	60.0	3.3
148.0	485.4	10.745	51.34	45.0	2.5
149.0	488.7	10.813	51.46	68.0	3.7
150.0	492.0	10.898	51.62	85.0	4.7
151.0	495.3	10.933	51.68	35.0	1.9
152.0	498.6	10.971	51.75	38.0	2.1
153.0	501.8	11.008	51.81	37.0	2.0
154.0	505.1	11.051	51.89	43.0	2.4
155.0	508.4	11.100	51.98	49.0	2.7
156.0	511.7	11.149	52.07	49.0	2.7
157.0	515.0	11.191	52.14	42.0	2.3
158.0	518.2	11.241	52.23	50.0	2.7
159.0	521.5	11.273	52.29	30.0	1.8
160.0	524.8	11.293	52.33	20.0	1.1
161.0	528.1	11.325	52.38	30.0	1.8
162.0	531.4	11.374	52.47	49.0	2.7
163.0	534.6	11.410	52.54	36.0	2.0
164.0	537.9	11.484	52.67	74.0	4.1
165.0	541.2	11.506	52.71	22.0	1.2

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LOCATION: THE DALLES AMS, OREGON

PAGE 5

HOLE NAME: 3S/ 9E-16CAD WHT RIVR
 DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	11.532	52.76	26.0	1.4
167.0	547.0	11.625	52.93	26.0	1.1
168.0	551.0	11.664	53.00	26.0	1.1
169.0	554.0	11.686	53.03	26.0	1.1
170.0	557.0	11.708	53.07	26.0	1.1
171.0	560.0	11.741	53.13	26.0	1.1
172.0	564.0	11.779	53.20	26.0	1.1
173.0	567.4	11.855	53.34	26.0	1.1
174.0	570.7	11.975	53.55	26.0	1.1
175.0	574.0	12.008	53.61	26.0	1.1
176.0	577.3	12.051	53.69	26.0	1.1
177.0	580.6	12.110	53.80	26.0	1.1
178.0	583.0	12.190	53.94	26.0	1.1
179.0	587.1	12.219	54.00	26.0	1.1
180.0	590.4	12.258	54.06	26.0	1.1
181.0	593.7	12.306	54.15	26.0	1.1
182.0	597.0	12.375	54.28	26.0	1.1
183.0	600.2	12.420	54.36	26.0	1.1
184.0	603.5	12.479	54.46	26.0	1.1
185.0	606.0	12.528	54.57	26.0	1.1
186.0	610.1	12.578	54.64	26.0	1.1
187.0	613.4	12.600	54.68	26.0	1.1
188.0	616.6	12.651	54.77	26.0	1.1
189.0	619.0	12.719	54.89	26.0	1.1
190.0	623.2	12.774	54.99	26.0	1.1
191.0	626.5	12.794	55.03	26.0	1.1
192.0	629.0	12.861	55.15	26.0	1.1
193.0	633.0	12.903	55.23	26.0	1.1
194.0	636.3	12.964	55.33	26.0	1.1
195.0	639.6	12.984	55.37	26.0	1.1
196.0	642.9	13.030	55.45	26.0	1.1
197.0	646.2	13.050	55.49	26.0	1.1
198.0	649.4	13.098	55.58	26.0	1.1
199.0	652.7	13.138	55.65	26.0	1.1
200.0	656.0	13.195	55.75	26.0	1.1
201.0	659.3	13.225	55.81	26.0	1.1
202.0	662.6	13.256	55.86	26.0	1.1
203.0	665.9	13.304	55.95	26.0	1.1
204.0	669.1	13.361	56.05	26.0	1.1
205.0	672.4	13.418	56.15	26.0	1.1
206.0	675.7	13.473	56.25	26.0	1.1

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LOCATION: THE DALLES AMS, OREGON

PAGE 6

3S/ 9E-16CAD

HOLE NAME: WMT RIVR

DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
207.0	679.0	13.513	56.32	40.0	2.2
208.0	682.2	13.549	56.39	36.0	2.0
209.0	685.5	13.598	56.48	49.0	2.7
210.0	688.8	13.655	56.58	57.0	3.1
211.0	692.1	13.698	56.66	43.0	2.4
212.0	695.4	13.730	56.71	32.0	1.8
213.0	698.6	13.758	56.76	28.0	1.5
214.0	701.9	13.783	56.81	25.0	1.4
215.0	705.2	13.820	56.88	37.0	2.0
216.0	708.5	13.865	56.96	45.0	2.5
217.0	711.8	13.905	57.03	40.0	2.2
218.0	715.0	13.939	57.09	34.0	1.9
219.0	718.3	13.968	57.14	29.0	1.6
220.0	721.6	14.006	57.21	38.0	2.1
221.0	724.9	14.056	57.30	50.0	2.7
222.0	728.2	14.100	57.38	44.0	2.4
223.0	731.4	14.145	57.46	45.0	2.5
224.0	734.7	14.199	57.56	54.0	3.0
225.0	738.0	14.239	57.63	40.0	2.2
226.0	741.3	14.267	57.68	28.0	1.5
227.0	744.6	14.288	57.72	21.0	1.2
228.0	747.8	14.316	57.77	28.0	1.5
229.0	751.1	14.378	57.88	62.0	3.4
230.0	754.4	14.433	57.98	55.0	3.0
231.0	757.7	14.487	58.08	54.0	3.0
232.0	761.0	14.519	58.13	32.0	1.8
233.0	764.2	14.573	58.23	54.0	3.0
234.0	767.5	14.620	58.32	47.0	2.6
235.0	770.8	14.676	58.42	56.0	3.1
236.0	774.1	14.735	58.52	59.0	3.2
237.0	777.4	14.781	58.61	46.0	2.5
238.0	780.6	14.813	58.66	32.0	1.8
239.0	783.9	14.844	58.72	31.0	1.7
240.0	787.2	14.870	58.77	26.0	1.4
241.0	790.5	14.895	58.81	25.0	1.4
242.0	793.8	14.915	58.85	20.0	1.1
243.0	797.0	14.928	58.87	13.0	0.7
244.0	800.3	14.935	58.88	7.0	0.4
245.0	803.6	14.962	58.93	27.0	1.5
246.0	806.9	15.037	59.07	75.0	4.1
247.0	810.2	15.089	59.16	52.0	2.9

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LOCATION: THE DALLES AMS, OREGON

PAGE 7

3S/ 9E-16CAD

HOLE NAME: WHT RIVR

DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
248.0	813.4	15.124	59.22	35.0	1.9
249.0	816.7	15.154	59.28	36.0	1.96
250.0	820.0	15.184	59.33	37.0	2.0
251.0	823.3	15.206	59.37	38.0	2.06
252.0	826.6	15.230	59.41	39.0	2.12
253.0	829.9	15.256	59.46	40.0	2.18
254.0	833.1	15.283	59.51	41.0	2.24
255.0	836.4	15.307	59.55	42.0	2.30
256.0	839.7	15.324	59.58	43.0	2.36
257.0	843.0	15.348	59.63	44.0	2.42
258.0	846.2	15.369	59.66	45.0	2.48
259.0	849.5	15.389	59.70	46.0	2.54
260.0	852.8	15.405	59.73	47.0	2.60
261.0	856.1	15.425	59.76	48.0	2.66
262.0	859.4	15.445	59.80	49.0	2.72
263.0	862.6	15.461	59.83	50.0	2.78
264.0	865.9	15.480	59.86	51.0	2.84
265.0	869.2	15.495	59.89	52.0	2.90
266.0	872.5	15.509	59.92	53.0	2.96
267.0	875.8	15.524	59.94	54.0	3.02
268.0	879.1	15.539	59.97	55.0	3.08
269.0	882.4	15.557	60.00	56.0	3.14
270.0	885.7	15.570	60.03	57.0	3.20
271.0	888.9	15.589	60.06	58.0	3.26
272.0	892.2	15.600	60.08	59.0	3.32
273.0	895.5	15.601	60.08	60.0	3.38
274.0	898.8	15.612	60.10	61.0	3.44
275.0	902.1	15.625	60.12	62.0	3.50
276.0	905.4	15.635	60.14	63.0	3.56
277.0	908.7	15.649	60.17	64.0	3.62
278.0	911.9	15.660	60.19	65.0	3.68
279.0	915.1	15.669	60.19	66.0	3.74
280.0	918.4	15.682	60.20	67.0	3.80
281.0	921.7	15.688	60.23	68.0	3.86
282.0	925.0	15.688	60.24	69.0	3.92
283.0	928.3	15.688	60.24	70.0	3.98
284.0	931.6	15.696	60.25	71.0	4.04
285.0	934.9	15.701	60.26	72.0	4.10
286.0	938.1	15.711	60.28	73.0	4.16
287.0	941.4	15.715	60.29	74.0	4.22
288.0	944.6	15.720	60.30	75.0	4.28

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LOCATION: THE DALLES AMS, OREGON

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3S/ 9E-16CAD

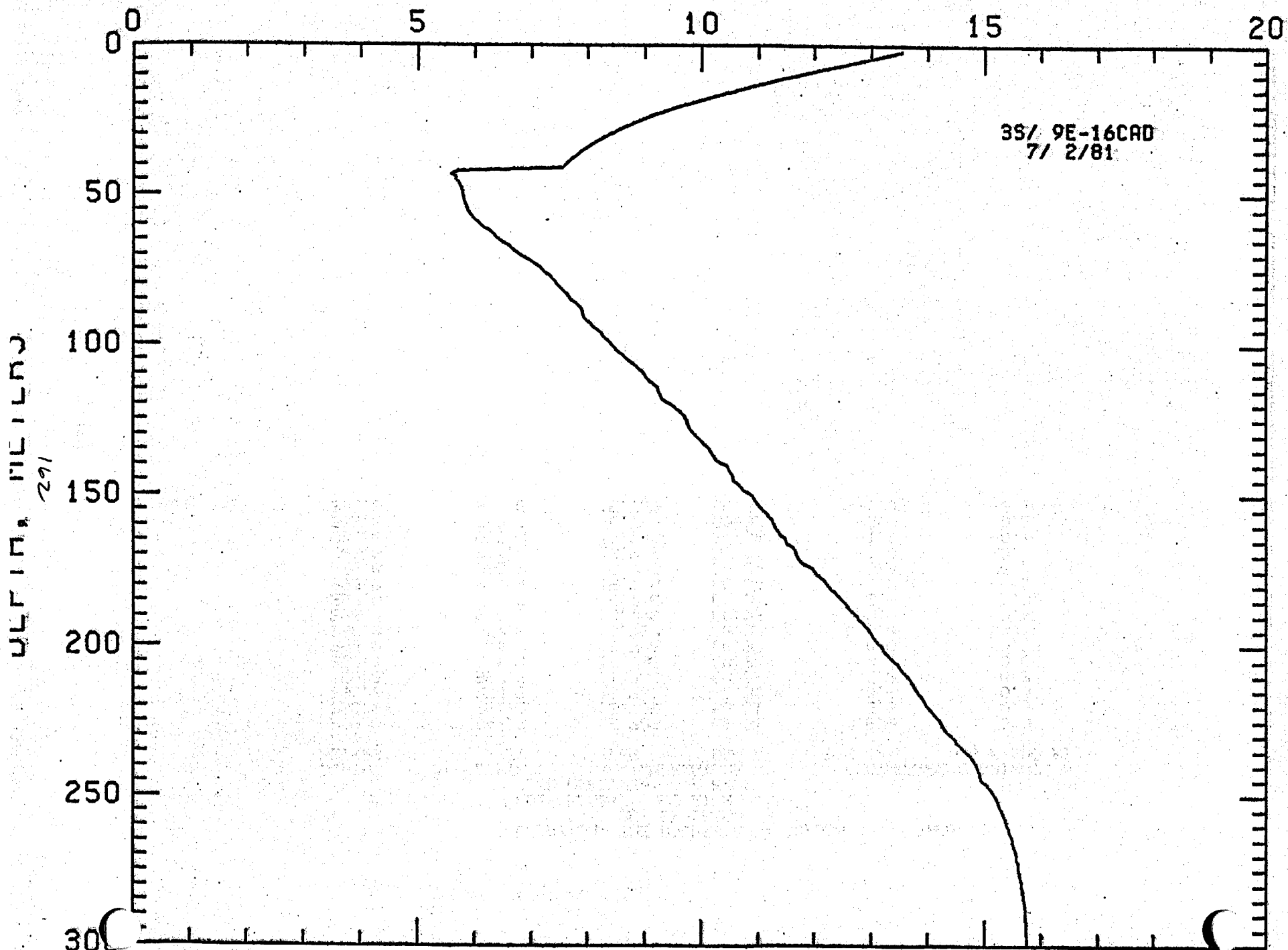
HOLE NAME: WHT RIUR

DATE MEASURED: 7/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	15.725	60.31	5.0	0.3
290.0	951.2	15.730	60.31	5.0	0.3
291.0	954.5	15.730	60.31	0.0	0.0
292.0	957.8	15.736	60.32	6.0	0.3
293.0	961.0	15.736	60.32	0.0	0.0
294.0	964.3	15.736	60.32	0.0	0.0
295.0	967.6	15.737	60.33	1.0	0.1
296.0	970.9	15.740	60.33	3.0	0.2
297.0	974.2	15.746	60.34	6.0	0.3
298.0	977.4	15.745	60.34	-1.0	-0.1
299.0	980.7	15.745	60.34	0.0	0.0
300.0	984.0	15.744	60.34	-1.0	-0.1
301.0	987.3	15.743	60.34	-1.0	-0.1
302.0	990.6	15.740	60.33	-3.0	-0.2
303.0	993.8	15.739	60.33	-1.0	-0.1

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TEMPERATURE, DEG C



DEPTH, MILLIMETERS

LOCATION: GRANGEVILLE AMS

6S/41E-250CB

HOLE NAME: PONDOSA2

DATE MEASURED: 1/5/81

DEPTH
METERS

10.0
15.0
20.0
25.0
29.5

DEPTH
FEET

32.8
49.2
65.6
82.0
96.8

TEMPERATURE

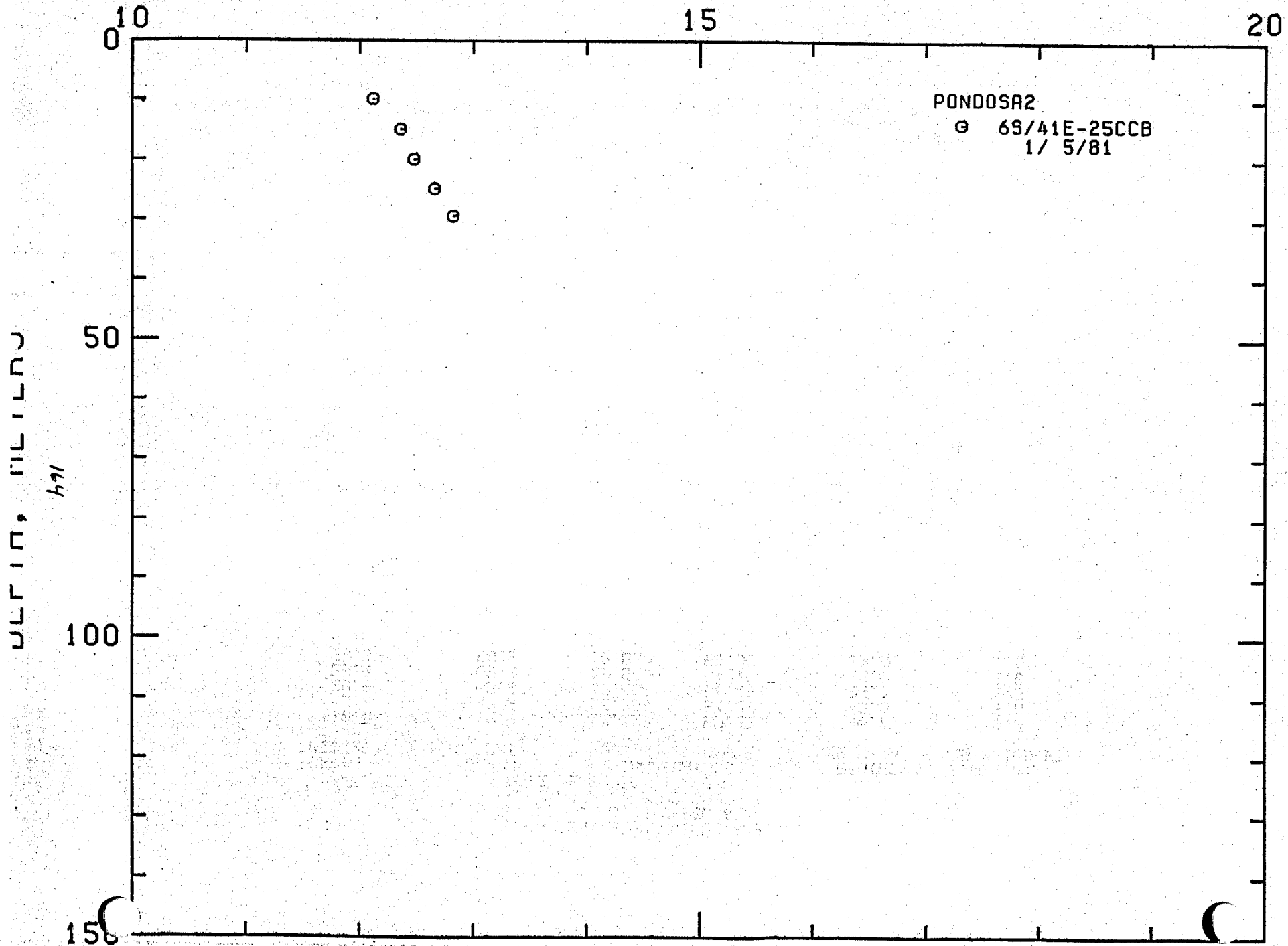
DEG C DEG F

12.120 53.82
12.360 54.25
12.480 54.46
12.660 54.79
12.830 55.09

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0 0.0
48.0 2.6
24.0 1.3
36.0 2.0
37.8 2.1

TEMPERATURE, DEG C



LOCATION: GRANGEVILLE AMS

6S/41E-25CDB

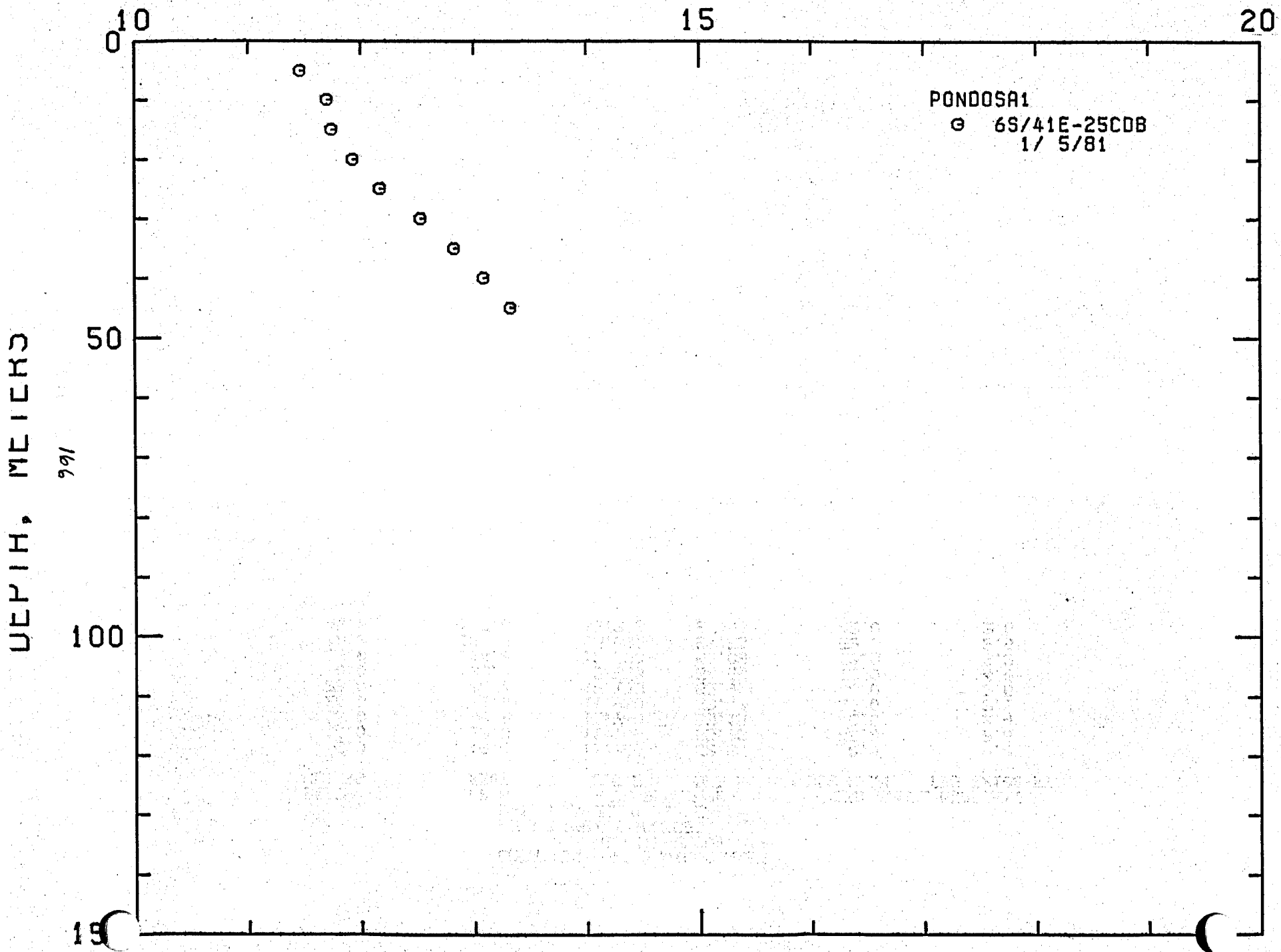
HOLE NAME: PONDOSA1

DATE MEASURED: 1/ 5/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	11.460	52.63	0.0	0.0
10.0	32.8	11.700	53.06	48.0	2.6
15.0	49.2	11.740	53.13	8.0	0.4
20.0	65.6	11.930	53.47	38.0	2.1
25.0	82.0	12.170	53.91	48.0	2.6
30.0	98.4	12.530	54.55	72.0	4.0
35.0	114.8	12.830	55.09	60.0	3.3
40.0	131.2	13.090	55.56	52.0	2.9
45.0	147.6	13.330	55.99	48.0	2.6

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TEMPERATURE, DEG C



LOCATION: CANYON CITY AMS, ORE.

14S/31E- 8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	14.287	57.72	0.0	0.0
3.0	9.8	14.266	57.68	-1.0	-1.2
4.0	13.1	14.234	57.62	-1.0	-1.0
5.0	16.4	14.196	57.55	-1.0	-1.1
6.0	19.7	14.160	57.49	-1.0	-1.0
7.0	23.0	14.129	57.43	-1.0	-1.1
8.0	26.2	14.110	57.40	-1.0	-1.0
9.0	29.5	14.097	57.37	-1.0	-1.0
10.0	32.8	14.088	57.36	-1.0	-1.0
11.0	36.1	14.082	57.35	-1.0	-1.0
12.0	39.4	14.079	57.34	-1.0	-1.0
13.0	42.6	14.086	57.35	-1.0	-1.0
14.0	45.9	14.097	57.37	1.0	0.4
15.0	49.2	14.108	57.39	1.0	0.6
16.0	52.5	14.122	57.42	1.0	0.8
17.0	55.8	14.141	57.45	1.0	1.0
18.0	59.1	14.162	57.49	1.0	1.2
19.0	62.4	14.184	57.53	1.0	1.3
20.0	65.7	14.208	57.57	1.0	1.4
21.0	69.0	14.231	57.62	1.0	1.5
22.0	72.3	14.255	57.66	1.0	1.6
23.0	75.6	14.280	57.70	1.0	1.7
24.0	78.9	14.307	57.75	1.0	1.8
25.0	82.2	14.336	57.80	1.0	1.9
26.0	85.5	14.364	57.86	1.0	2.0
27.0	88.8	14.394	57.91	1.0	2.1
28.0	92.1	14.424	57.96	1.0	2.2
29.0	95.4	14.453	58.02	1.0	2.3
30.0	98.7	14.483	58.07	1.0	2.4
31.0	102.0	14.514	58.13	1.0	2.5
32.0	105.3	14.547	58.19	1.0	2.6
33.0	108.6	14.581	58.25	1.0	2.7
34.0	111.9	14.614	58.31	1.0	2.8
35.0	115.2	14.647	58.36	1.0	2.9
36.0	118.5	14.681	58.43	1.0	3.0
37.0	121.8	14.716	58.49	1.0	3.1
38.0	125.1	14.747	58.54	1.0	3.2
39.0	128.4	14.777	58.60	1.0	3.3
40.0	131.7	14.808	58.66	1.0	3.4
41.0	135.0	14.842	58.72	1.0	3.5
42.0	138.3	14.871	58.77	1.0	3.6

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LOCATION: CANYON CITY AMS, ORE.

PAGE 2

14S/31E- 8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	14.902	58.82	31.0	1.7
44.0	144.3	14.933	58.88	31.0	1.7
45.0	147.6	14.964	58.94	31.0	1.7
46.0	150.9	14.994	58.99	30.0	1.6
47.0	154.2	15.024	59.04	30.0	1.6
48.0	157.4	15.056	59.10	30.0	1.6
49.0	160.7	15.086	59.15	30.0	1.6
50.0	164.0	15.116	59.21	30.0	1.6
51.0	167.3	15.144	59.26	30.0	1.6
52.0	170.6	15.169	59.30	30.0	1.5
53.0	173.9	15.194	59.35	30.0	1.4
54.0	177.1	15.218	59.39	30.0	1.4
55.0	180.4	15.247	59.44	30.0	1.3
56.0	183.7	15.278	59.50	31.0	1.3
57.0	187.0	15.309	59.56	31.0	1.2
58.0	190.3	15.341	59.61	31.0	1.1
59.0	193.6	15.371	59.67	31.0	1.1
60.0	196.9	15.403	59.73	31.0	1.1
61.0	200.1	15.436	59.78	31.0	1.1
62.0	203.4	15.466	59.84	31.0	1.1
63.0	206.6	15.499	59.90	31.0	1.1
64.0	209.9	15.532	59.96	31.0	1.1
65.0	213.1	15.565	60.02	31.0	1.1
66.0	216.4	16.361	61.45	31.0	1.1
67.0	219.7	16.423	61.58	31.0	1.1
68.0	223.0	16.426	61.57	31.0	1.1
69.0	226.3	16.429	61.57	31.0	1.1
70.0	229.6	16.435	61.58	31.0	1.1
71.0	232.9	16.444	61.60	31.0	1.1
72.0	236.2	16.458	61.62	31.0	1.1
73.0	239.4	16.462	61.63	14.0	0.8
74.0	242.7	16.468	61.64	4.0	0.2
75.0	246.0	16.491	61.68	6.0	0.3
76.0	249.3	16.501	61.70	23.0	1.1
77.0	252.6	16.515	61.73	10.0	0.6
78.0	255.9	16.549	61.79	14.0	0.8
79.0	259.1	16.576	61.84	24.0	1.1
80.0	262.4	16.609	61.89	27.0	1.1
81.0	265.7	16.653	61.98	33.0	1.1
82.0	269.0	16.666	62.00	44.0	1.4
83.0	272.2	16.710	62.08	44.0	1.4

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LOCATION: CANYON CITY AMS, ORE.

PAGE 3

14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	16.715	62.09	5.0	0.3
85.0	278.8	16.735	62.12	20.0	1.1
86.0	282.1	16.771	62.19	36.0	2.0
87.0	285.4	16.777	62.20	6.0	0.3
88.0	288.6	16.784	62.21	7.0	0.4
89.0	291.9	16.830	62.29	46.0	2.5
90.0	295.2	16.826	62.29	14.0	0.8
91.0	298.5	16.855	62.34	30.0	1.6
92.0	301.8	16.884	62.39	28.0	1.5
93.0	305.0	16.889	62.40	5.0	0.3
94.0	308.3	16.904	62.43	15.0	0.8
95.0	311.6	16.911	62.44	7.0	0.4
96.0	314.9	16.942	62.50	31.0	1.7
97.0	318.2	16.979	62.56	37.0	2.0
98.0	321.4	17.004	62.61	25.0	1.4
99.0	324.7	17.016	62.63	12.0	0.7
100.0	328.0	17.068	62.72	53.0	2.9
101.0	331.3	17.116	62.81	46.0	2.6
102.0	334.6	17.124	62.82	8.0	0.4
103.0	337.9	17.140	62.85	16.0	0.9
104.0	341.1	17.179	62.92	39.0	2.1
105.0	344.4	17.221	63.00	42.0	2.3
106.0	347.7	17.282	63.11	61.0	3.3
107.0	351.0	17.300	63.14	18.0	1.0
108.0	354.2	17.338	63.21	38.0	2.1
109.0	357.5	17.364	63.26	25.0	1.4
110.0	360.8	17.394	63.31	30.0	1.6
111.0	364.1	17.412	63.34	18.0	1.0
112.0	367.4	17.410	63.34	52.0	2.9
113.0	370.6	17.456	63.42	46.0	2.6
114.0	373.9	17.477	63.46	21.0	1.2
115.0	377.2	17.476	63.46	-1.0	-0.1
116.0	380.5	17.509	63.52	33.0	1.8
117.0	383.8	17.523	63.54	14.0	0.8
118.0	387.0	17.561	63.61	38.0	2.1
119.0	390.3	17.587	63.66	26.0	1.4
120.0	393.6	17.626	63.73	39.0	2.1
121.0	396.9	17.649	63.77	23.0	1.3
122.0	400.2	17.690	63.84	41.0	2.3
123.0	403.4	17.718	63.89	28.0	1.5
124.0	406.7	17.737	63.93	19.0	1.0

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LOCATION: CANYON CITY AMS, ORE.

PAGE 4

14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	17.778	64.00	41.0	
126.0	413.0	17.810	64.06		
127.0	416.6	17.838	64.11		
128.0	419.8	17.860	64.15		
129.0	423.1	17.911	64.24		
130.0	426.4	17.928	64.27		
131.0	429.7	17.966	64.34		
132.0	433.0	17.996	64.39		
133.0	436.2	18.043	64.48		
134.0	439.5	18.072	64.53		
135.0	442.8	18.121	64.62		
136.0	446.1	18.166	64.70		
137.0	449.4	18.186	64.73		
138.0	452.6	18.209	64.77		
139.0	455.9	18.264	64.91		
140.0	459.2	18.300	64.94		
141.0	462.5	18.336	65.00		
142.0	465.8	18.388	65.10		
143.0	469.1	18.412	65.14		
144.0	472.4	18.498	65.30		
145.0	475.7	18.513	65.33		
146.0	479.0	18.515	65.33		
147.0	482.3	18.568	65.43		
148.0	485.6	18.607	65.49		
149.0	488.9	18.659	65.59		
150.0	492.2	18.664	65.60		
151.0	495.5	18.691	65.64		
152.0	498.8	18.718	65.69		
153.0	502.1	18.764	65.76		
154.0	505.4	18.783	65.81		
155.0	508.7	18.819	65.87		
156.0	512.0	18.866	65.96		
157.0	515.3	18.901	66.02		
158.0	518.6	18.963	66.13		
159.0	521.9	18.998	66.18		
160.0	525.2	19.052	66.29		
161.0	528.5	19.066	66.32		
162.0	531.8	19.094	66.37		
163.0	535.1	19.135	66.44		
164.0	538.4	19.172	66.51		
165.0	541.7	19.225	66.61		

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	19.260	66.67	35.0	1.9
167.0	547.8	19.294	66.71	24.0	1.3
168.0	551.0	19.301	66.74	17.0	0.9
169.0	554.3	19.333	66.80	32.0	1.8
170.0	557.6	19.365	66.86	32.0	1.8
171.0	560.9	19.456	67.02	91.0	5.0
172.0	564.2	19.482	67.07	26.0	1.4
173.0	567.4	19.485	67.07	3.0	0.2
174.0	570.7	19.564	67.22	73.0	4.4
175.0	574.0	19.587	67.26	23.0	1.3
176.0	577.3	19.624	67.32	37.0	2.0
177.0	580.6	19.677	67.42	53.0	2.9
178.0	583.8	19.733	67.52	56.0	3.1
179.0	587.1	19.762	67.57	23.0	1.3
180.0	590.4	19.783	67.61	21.0	1.1
181.0	593.7	19.831	67.70	48.0	2.6
182.0	597.0	19.881	67.79	50.0	2.7
183.0	600.2	19.939	67.89	58.0	3.2
184.0	603.5	19.983	67.97	44.0	2.4
185.0	606.8	20.013	68.02	30.0	1.6
186.0	610.1	20.066	68.12	53.0	2.9
187.0	613.4	20.112	68.20	46.0	2.5
188.0	616.6	20.166	68.30	54.0	3.0
189.0	619.9	20.189	68.34	23.0	1.3
190.0	623.2	20.257	68.46	68.0	3.7
191.0	626.5	20.294	68.53	37.0	2.0
192.0	629.8	20.324	68.58	30.0	1.6
193.0	633.0	20.364	68.66	40.0	2.2
194.0	636.3	20.415	68.75	51.0	2.8
195.0	639.6	20.466	68.84	51.0	2.8
196.0	642.9	20.499	68.90	33.0	1.9
197.0	646.2	20.563	69.01	64.0	3.5
198.0	649.4	20.608	69.09	45.0	2.5
199.0	652.7	20.652	69.17	44.0	2.4
200.0	656.0	20.684	69.23	30.0	1.6
201.0	659.3	20.747	69.34	63.0	3.4
202.0	662.6	20.756	69.36	9.0	0.5
203.0	665.8	20.827	69.49	71.0	3.9
204.0	669.1	20.891	69.60	64.0	3.5
205.0	672.4	20.920	69.66	29.0	1.6
206.0	675.7	20.949	69.71	29.0	1.6

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
207.0	679.0	20.976	69.76	27.0	1.4.55
208.0	682.2	21.055	69.90	27.0	1.4.55
209.0	685.5	21.077	69.94	27.0	1.4.55
210.0	688.8	21.136	70.04	27.0	1.4.55
211.0	692.1	21.170	70.11	27.0	1.4.55
212.0	695.4	21.199	70.16	27.0	1.4.55
213.0	698.6	21.246	70.24	27.0	1.4.55
214.0	701.9	21.300	70.34	27.0	1.4.55
215.0	705.2	21.339	70.41	27.0	1.4.55
216.0	708.5	21.397	70.50	27.0	1.4.55
217.0	711.8	21.489	70.54	27.0	1.4.55
218.0	715.1	21.459	70.63	27.0	1.4.55
219.0	718.4	21.527	70.75	27.0	1.4.55
220.0	721.7	21.549	70.79	27.0	1.4.55
221.0	724.9	21.632	70.92	27.0	1.4.55
222.0	728.2	21.673	71.01	27.0	1.4.55
223.0	731.4	21.710	71.08	27.0	1.4.55
224.0	734.7	21.749	71.15	27.0	1.4.55
225.0	738.0	21.784	71.21	27.0	1.4.55
226.0	741.2	21.844	71.32	27.0	1.4.55
227.0	744.6	21.904	71.43	27.0	1.4.55
228.0	747.8	21.944	71.50	27.0	1.4.55
229.0	751.1	21.972	71.55	27.0	1.4.55
230.0	754.4	22.041	71.67	27.0	1.4.55
231.0	757.7	22.108	71.79	27.0	1.4.55
232.0	761.0	22.135	71.84	27.0	1.4.55
233.0	764.2	22.170	71.92	27.0	1.4.55
234.0	767.5	22.240	72.05	27.0	1.4.55
235.0	770.8	22.270	72.09	27.0	1.4.55
236.0	774.1	22.356	72.24	27.0	1.4.55
237.0	777.4	22.370	72.27	27.0	1.4.55
238.0	780.6	22.393	72.31	27.0	1.4.55
239.0	783.9	22.458	72.42	27.0	1.4.55
240.0	787.2	22.484	72.47	27.0	1.4.55
241.0	790.5	22.505	72.51	27.0	1.4.55
242.0	793.8	22.569	72.62	27.0	1.4.55
243.0	797.1	22.606	72.69	27.0	1.4.55
244.0	800.4	22.684	72.83	27.0	1.4.55
245.0	803.7	22.679	72.82	27.0	1.4.55
246.0	806.9	22.725	72.91	27.0	1.4.55
247.0	810.2	22.789	73.02	27.0	1.4.55

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E- 8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
248.0	813.4	22.863	73.15	74.0	4.1
249.0	816.7	22.908	73.23	45.0	2.5
250.0	820.0	22.955	73.34	57.0	3.1
251.0	823.3	23.017	73.43	52.0	2.9
252.0	826.6	23.032	73.46	15.0	0.8
253.0	829.8	23.094	73.57	62.0	3.4
254.0	833.1	23.157	73.68	63.0	3.5
255.0	836.4	23.170	73.71	13.0	0.7
256.0	839.7	23.214	73.79	44.0	2.4
257.0	843.0	23.237	73.83	23.0	1.3
258.0	846.2	23.248	73.85	11.0	0.6
259.0	849.5	23.276	73.90	28.0	1.5
260.0	852.8	23.331	74.00	57.0	3.0
261.0	856.1	23.388	74.10	57.0	3.1
262.0	859.4	23.456	74.22	68.0	3.7
263.0	862.6	23.516	74.33	68.0	3.3
264.0	865.9	23.590	74.46	74.0	4.1
265.0	869.2	23.678	74.62	88.0	4.8
266.0	872.5	23.707	74.67	29.0	1.6
267.0	875.8	23.730	74.71	23.0	1.3
268.0	879.0	23.767	74.78	37.0	2.0
269.0	882.3	23.800	74.84	33.0	1.8
270.0	885.6	23.857	74.94	57.0	3.1
271.0	888.9	23.945	75.10	88.0	4.8
272.0	892.2	23.965	75.14	28.0	1.1
273.0	895.4	23.967	75.14	2.0	0.1
274.0	898.7	24.012	75.22	45.0	2.5
275.0	902.0	24.074	75.33	62.0	3.4
276.0	905.3	24.126	75.43	52.0	2.9
277.0	908.6	24.130	75.43	4.0	0.2
278.0	911.8	24.151	75.47	21.0	1.1
279.0	915.1	24.156	75.48	5.0	0.3
280.0	918.4	24.167	75.50	11.0	0.6
281.0	921.7	24.182	75.53	15.0	0.8
282.0	925.0	24.194	75.55	12.0	0.7
283.0	928.2	24.202	75.56	8.0	0.4
284.0	931.5	24.218	75.59	16.0	0.9
285.0	934.8	24.234	75.62	16.0	0.9
286.0	938.1	24.251	75.65	17.0	0.9
287.0	941.4	24.261	75.67	10.0	0.5
288.0	944.6	24.273	75.69	12.0	0.7

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	24.288	75.72	15.0	0.0
290.0	951.2	24.311	75.76	23.0	1.1
291.0	954.5	24.334	75.80	23.0	1.1
292.0	957.8	24.358	75.84	24.0	1.1
293.0	961.0	24.371	75.87	13.0	0.0
294.0	964.3	24.395	75.91	24.0	1.1
295.0	967.6	24.412	75.94	17.0	0.0
296.0	970.9	24.429	75.97	17.0	0.0
297.0	974.2	24.446	76.00	17.0	0.0
298.0	977.4	24.465	76.04	19.0	0.0
299.0	980.7	24.487	76.08	22.0	1.1
300.0	984.0	24.508	76.11	19.0	1.1
301.0	987.3	24.528	76.15	22.0	1.1
302.0	990.6	24.552	76.19	24.0	1.1
303.0	993.8	24.569	76.22	17.0	0.0
304.0	997.1	24.588	76.28	31.0	1.1
305.0	1000.4	24.618	76.31	18.0	1.1
306.0	1003.7	24.642	76.36	24.0	1.1
307.0	1007.0	24.664	76.40	22.0	1.1
308.0	1010.2	24.691	76.44	27.0	1.1
309.0	1013.5	24.725	76.51	34.0	1.1
310.0	1016.8	24.751	76.55	26.0	1.1
311.0	1020.1	24.761	76.57	18.0	0.0
312.0	1023.4	24.776	76.60	15.0	0.0
313.0	1026.6	24.831	76.70	55.0	0.0
314.0	1029.9	24.844	76.72	13.0	0.0
315.0	1033.2	24.883	76.78	39.0	0.0
316.0	1036.5	24.899	76.82	16.0	0.0
317.0	1039.8	24.928	76.87	29.0	1.1
318.0	1043.0	24.962	76.93	34.0	1.1
319.0	1046.3	24.970	76.95	8.0	0.0
320.0	1049.6	25.017	77.03	47.0	0.0
321.0	1052.9	25.035	77.06	18.0	0.0
322.0	1056.2	25.057	77.10	22.0	1.1
323.0	1059.4	25.073	77.13	16.0	0.0
324.0	1062.7	25.108	77.19	35.0	1.1
325.0	1066.0	25.140	77.25	38.0	1.1
326.0	1069.3	25.156	77.28	16.0	0.0
327.0	1072.6	25.183	77.33	27.0	1.1
328.0	1075.8	25.206	77.37	23.0	1.1
329.0	1079.1	25.235	77.42	29.0	1.1

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
330.0	1082.4	25.273	77.49	38.0	0.0021
331.0	1085.7	25.313	77.56	40.0	0.0021
332.0	1089.0	25.326	77.59	13.0	0.0021
333.0	1092.2	25.340	77.61	14.0	0.0021
334.0	1095.5	25.357	77.70	47.0	0.0021
335.0	1098.8	25.412	77.74	25.0	1.4466
336.0	1102.1	25.425	77.77	13.0	0.0021
337.0	1105.4	25.452	77.81	27.0	1.1555
338.0	1108.6	25.476	77.86	24.0	1.1333
339.0	1111.9	25.518	77.93	42.0	2.2133
340.0	1115.2	25.548	77.99	30.0	1.1666
341.0	1118.5	25.570	78.03	22.0	1.1111
342.0	1121.8	25.604	78.09	34.0	1.1111
343.0	1125.0	25.651	78.17	47.0	1.0000
344.0	1128.3	25.667	78.20	16.0	0.0021
345.0	1131.6	25.686	78.23	19.0	1.0000
346.0	1134.9	25.730	78.31	44.0	2.2133
347.0	1138.2	25.739	78.33	9.0	0.0021
348.0	1141.4	25.783	78.41	44.0	2.2133
349.0	1144.7	25.823	78.48	40.0	2.2133
350.0	1148.0	25.844	78.52	21.0	1.1111
351.0	1151.3	25.872	78.57	28.0	1.1111
352.0	1154.6	25.932	78.68	60.0	1.1111
353.0	1157.9	25.953	78.72	21.0	1.1111
354.0	1161.1	25.986	78.77	33.0	1.1111
355.0	1164.4	26.007	78.81	21.0	1.1111
356.0	1167.7	26.047	78.88	40.0	2.2133
357.0	1171.0	26.091	78.96	44.0	2.2133
358.0	1174.2	26.104	78.99	13.0	0.0021
359.0	1177.5	26.154	79.08	50.0	2.2133
360.0	1180.8	26.193	79.15	39.0	1.1111
361.0	1184.1	26.191	79.14	12.0	0.0021
362.0	1187.4	26.249	79.25	50.0	2.2133
363.0	1190.6	26.277	79.30	28.0	1.1111
364.0	1193.9	26.317	79.37	40.0	2.2133
365.0	1197.2	26.365	79.46	48.0	2.2133
366.0	1200.5	26.400	79.53	35.0	1.1111
367.0	1203.8	26.407	79.55	7.0	0.0021
368.0	1207.0	26.471	79.66	64.0	2.2133
369.0	1210.3	26.489	79.68	18.0	1.1111
370.0	1213.6	26.528	79.78	39.0	1.1111

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
371.0	1216.9	26.547	79.78	19.0	1.0
372.0	1220.2	26.607	79.89	60.0	3.3
373.0	1223.4	26.666	80.00	59.0	3.3
374.0	1226.7	26.714	80.09	48.0	2.6
375.0	1230.0	26.729	80.11	15.0	0.8
376.0	1233.3	26.770	80.19	41.0	2.3
377.0	1236.6	26.803	80.25	33.0	1.8
378.0	1239.8	26.841	80.31	38.0	1.1
379.0	1243.1	26.865	80.36	24.0	0.8
380.0	1246.4	26.912	80.44	47.0	2.3
381.0	1249.7	26.983	80.57	71.0	3.2
382.0	1253.0	27.008	80.61	25.0	1.4
383.0	1256.2	27.041	80.67	33.0	1.8
384.0	1259.5	27.078	80.74	37.0	1.8
385.0	1262.8	27.076	80.74	-2.0	0.1
386.0	1266.1	27.103	80.79	27.0	1.4
387.0	1269.4	27.121	80.82	18.0	1.0
388.0	1272.6	27.165	80.90	44.0	1.4
389.0	1275.9	27.194	80.95	29.0	1.6
390.0	1279.2	27.209	80.98	15.0	0.8
391.0	1282.5	27.202	80.96	17.0	0.8
392.0	1285.8	27.260	81.07	58.0	3.4
393.0	1289.0	27.282	81.11	22.0	1.4
394.0	1292.3	27.326	81.19	44.0	1.8
395.0	1295.6	27.337	81.21	11.0	0.8
396.0	1298.9	27.370	81.27	33.0	1.8
397.0	1302.2	27.407	81.33	37.0	1.8
398.0	1305.4	27.443	81.40	36.0	1.8
399.0	1308.7	27.474	81.45	31.0	1.7
400.0	1312.0	27.514	81.53	40.0	1.8
401.0	1315.3	27.541	81.57	27.0	1.5
402.0	1318.6	27.585	81.65	44.0	1.4
403.0	1321.8	27.616	81.71	31.0	1.7
404.0	1325.1	27.640	81.75	24.0	1.4
405.0	1328.4	27.711	81.88	71.0	3.2
406.0	1331.7	27.744	81.94	33.0	1.8
407.0	1335.0	27.774	81.99	30.0	1.8
408.0	1338.2	27.803	82.05	29.0	1.6
409.0	1341.5	27.816	82.07	13.0	0.8
410.0	1344.8	27.852	82.13	36.0	1.9
411.0	1348.1	27.887	82.20	35.0	1.9

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
412.0	1351.4	27.920	82.26	33.0	1.8
413.0	1354.6	27.946	82.30	26.0	1.4
414.0	1357.9	27.981	82.37	36.0	1.9
415.0	1361.2	28.010	82.42	29.0	1.6
416.0	1364.5	28.057	82.50	47.0	2.6
417.0	1367.8	28.087	82.56	38.0	1.6
418.0	1371.0	28.111	82.60	24.0	1.3
419.0	1374.3	28.137	82.65	26.0	1.4
420.0	1377.6	28.171	82.71	34.0	1.9
421.0	1380.9	28.218	82.79	47.0	2.6
422.0	1384.2	28.260	82.87	42.0	2.3
423.0	1387.4	28.301	82.94	41.0	2.3
424.0	1390.7	28.341	83.01	40.0	2.2
425.0	1394.0	28.389	83.10	48.0	2.6
426.0	1397.3	28.403	83.13	14.0	0.8
427.0	1400.6	28.447	83.20	44.0	2.4
428.0	1403.8	28.488	83.28	41.0	2.3
429.0	1407.1	28.523	83.34	36.0	1.9
430.0	1410.4	28.555	83.40	32.0	1.8
431.0	1413.7	28.586	83.45	31.0	1.7
432.0	1417.0	28.624	83.52	38.0	2.1
433.0	1420.2	28.670	83.61	46.0	2.5
434.0	1423.5	28.723	83.70	53.0	2.9
435.0	1426.8	28.753	83.76	38.0	2.1
436.0	1430.1	28.778	83.80	26.0	1.4
437.0	1433.4	28.844	83.92	66.0	3.6
438.0	1436.6	28.876	83.98	31.0	1.7
439.0	1439.9	28.897	84.01	32.0	1.8
440.0	1443.2	28.932	84.08	35.0	1.9
441.0	1446.5	28.972	84.15	40.0	2.2
442.0	1449.8	29.038	84.27	66.0	3.6
443.0	1453.0	29.056	84.30	18.0	1.0
444.0	1456.3	29.111	84.40	55.0	3.0
445.0	1459.6	29.152	84.47	41.0	2.2
446.0	1462.9	29.157	84.48	5.0	0.3
447.0	1466.2	29.222	84.60	65.0	3.6
448.0	1469.4	29.256	84.66	34.0	1.9
449.0	1472.7	29.319	84.77	63.0	3.5
450.0	1476.0	29.332	84.80	13.0	0.7
451.0	1479.3	29.361	84.85	29.0	1.6
452.0	1482.6	29.383	84.89	22.0	1.2

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E-8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
453.0	1485.0	29.410	84.94	27.0	1.15
454.0	1489.1	29.440	84.99	30.0	1.15
455.0	1492.4	29.492	85.09	32.0	1.15
456.0	1495.7	29.550	85.19	35.0	1.15
457.0	1499.0	29.600	85.28	38.0	1.15
458.0	1502.2	29.628	85.33	40.0	1.15
459.0	1505.5	29.686	85.43	42.0	1.15
460.0	1508.8	29.724	85.50	45.0	1.15
461.0	1512.1	29.763	85.57	48.0	1.15
462.0	1515.4	29.816	85.67	50.0	1.15
463.0	1518.6	29.865	85.76	53.0	1.15
464.0	1521.9	29.908	85.83	55.0	1.15
465.0	1525.2	29.970	85.95	58.0	1.15
466.0	1528.5	30.000	86.00	60.0	1.15
467.0	1531.8	30.064	86.12	64.0	1.15
468.0	1535.1	30.125	86.23	61.0	1.15
469.0	1538.4	30.186	86.33	61.0	1.15
470.0	1541.7	30.215	86.39	61.0	1.15
471.0	1544.9	30.263	86.47	48.0	1.15
472.0	1548.2	30.315	86.57	52.0	1.15
473.0	1551.4	30.423	86.77	114.0	1.15
474.0	1554.7	30.422	86.76	17.0	1.15
475.0	1558.0	30.458	86.81	28.0	1.15
476.0	1561.3	30.508	86.91	58.0	1.15
477.0	1564.6	30.559	87.01	51.0	1.15
478.0	1567.8	30.579	87.04	28.0	1.15
479.0	1571.1	30.630	87.13	51.0	1.15
480.0	1574.4	30.635	87.14	5.0	1.15
481.0	1577.7	30.655	87.18	28.0	1.15
482.0	1581.0	30.681	87.23	26.0	1.15
483.0	1584.2	30.712	87.28	31.0	1.15
484.0	1587.5	30.725	87.31	13.0	1.15
485.0	1590.8	30.746	87.34	21.0	1.15
486.0	1594.1	30.766	87.38	28.0	1.15
487.0	1597.4	30.777	87.40	11.0	1.15
488.0	1600.6	30.821	87.48	44.0	1.15
489.0	1603.9	30.855	87.54	34.0	1.15
490.0	1607.2	30.864	87.56	9.0	1.15
491.0	1610.5	30.889	87.60	25.0	1.15
492.0	1613.8	30.919	87.65	38.0	1.15
493.0	1617.0	30.959	87.74	58.0	1.15

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LOCATION: CANYON CITY AMS, ORE.

PAGE 13

14S/31E- 8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
494.0	1620.3	30.992	87.79	23.0	1.3
495.0	1623.6	31.021	87.84	29.0	1.6
496.0	1626.9	31.078	87.94	57.0	3.1
497.0	1630.2	31.123	88.02	45.0	2.5
498.0	1633.4	31.177	88.12	54.0	3.0
499.0	1636.7	31.202	88.16	25.0	1.4
500.0	1640.0	31.269	88.28	67.0	3.7
501.0	1643.3	31.294	88.33	25.0	1.4
502.0	1646.6	31.340	88.41	46.0	2.5
503.0	1649.8	31.384	88.49	44.0	2.4
504.0	1653.1	31.457	88.62	73.0	4.0
505.0	1656.4	31.494	88.69	37.0	2.0
506.0	1659.7	31.544	88.78	50.0	2.7
507.0	1663.0	31.568	88.82	24.0	1.3
508.0	1666.2	31.599	88.88	31.0	1.7
509.0	1669.5	31.627	88.93	28.0	1.5
510.0	1672.8	31.694	89.05	67.0	3.7
511.0	1676.1	31.736	89.12	42.0	2.3
512.0	1679.4	31.792	89.23	56.0	3.1
513.0	1682.6	31.813	89.26	21.0	1.2
514.0	1685.9	31.840	89.31	27.0	1.5
515.0	1689.2	31.894	89.41	54.0	3.0
516.0	1692.5	31.932	89.48	38.0	2.1
517.0	1695.8	32.019	89.63	87.0	4.8
518.0	1699.0	32.082	89.75	63.0	3.5
519.0	1702.3	32.094	89.77	12.0	0.7
520.0	1705.6	32.130	89.83	36.0	2.0
521.0	1708.9	32.190	89.94	60.0	3.3
522.0	1712.2	32.258	90.06	68.0	3.7
523.0	1715.4	32.273	90.09	15.0	0.8
524.0	1718.7	32.319	90.17	46.0	2.5
525.0	1722.0	32.366	90.26	47.0	2.6
526.0	1725.3	32.432	90.38	66.0	3.6
527.0	1728.6	32.471	90.45	39.0	2.1
528.0	1731.8	32.499	90.50	28.0	1.5
529.0	1735.1	32.543	90.58	44.0	2.4
530.0	1738.4	32.602	90.68	59.0	3.2
531.0	1741.7	32.641	90.75	39.0	2.1
532.0	1745.0	32.692	90.85	51.0	2.8
533.0	1748.2	32.738	90.93	46.0	2.5
534.0	1751.5	32.809	91.06	71.0	3.9

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E- 8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
576.0	1889.3	34.505	94.11	30.0	1.6
577.0	1892.6	34.566	94.22	61.0	3.3
578.0	1895.0	34.590	94.26	24.0	1.3
579.0	1899.1	34.634	94.34	44.0	2.4
580.0	1902.4	34.694	94.45	60.0	3.3
581.0	1905.7	34.736	94.52	42.0	2.3
582.0	1909.0	34.784	94.61	48.0	2.6
583.0	1912.2	34.826	94.69	42.0	2.3
584.0	1915.5	34.850	94.73	24.0	1.3
585.0	1918.8	34.909	94.84	59.0	3.2
586.0	1922.1	34.952	94.91	43.0	2.4
587.0	1925.4	35.026	95.05	74.0	4.1
588.0	1928.6	35.036	95.06	10.0	0.5
589.0	1931.9	35.086	95.15	50.0	2.7
590.0	1935.2	35.125	95.23	39.0	2.1
591.0	1938.5	35.151	95.27	26.0	1.4
592.0	1941.8	35.182	95.33	31.0	1.7
593.0	1945.0	35.216	95.39	34.0	1.9
594.0	1948.3	35.283	95.51	67.0	3.7
595.0	1951.6	35.335	95.60	52.0	2.9
596.0	1954.9	35.385	95.69	50.0	2.7
597.0	1958.2	35.404	95.73	19.0	1.0
598.0	1961.4	35.468	95.84	64.0	3.5
599.0	1964.7	35.501	95.90	33.0	1.8
600.0	1968.0	35.539	95.97	38.0	2.1
601.0	1971.3	35.561	96.01	22.0	1.2
602.0	1974.6	35.595	96.07	34.0	1.9
603.0	1977.8	35.667	96.20	72.0	4.0
604.0	1981.1	35.702	96.26	35.0	1.9
605.0	1984.4	35.739	96.33	37.0	2.0
606.0	1987.7	35.776	96.40	37.0	2.0
607.0	1991.0	35.800	96.44	24.0	1.3
608.0	1994.2	35.825	96.49	25.0	1.4
609.0	1997.5	35.850	96.53	25.0	1.4
610.0	2000.8	35.880	96.58	30.0	1.6
611.0	2004.1	35.911	96.64	31.0	1.7
612.0	2007.4	35.957	96.72	46.0	2.5
613.0	2010.6	36.019	96.83	62.0	3.4
614.0	2013.9	36.077	96.94	58.0	3.2
615.0	2017.2	36.099	96.98	22.0	1.2
616.0	2020.5	36.131	97.04	32.0	1.8

LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
617.0	2023.0	36.184	97.13	53.0	
618.0	2027.0	36.243	97.24	59.0	
619.0	2030.3	36.294	97.33	51.0	
620.0	2033.6	36.334	97.40	40.0	
621.0	2036.9	36.412	97.54	78.0	
622.0	2040.2	36.434	97.59	22.0	
623.0	2043.4	36.474	97.65	40.0	
624.0	2046.7	36.526	97.75	52.0	
625.0	2050.0	36.573	97.83	47.0	
626.0	2053.3	36.636	97.94	62.0	
627.0	2056.6	36.676	98.02	40.0	
628.0	2059.0	36.733	98.12	57.0	
629.0	2063.1	36.760	98.17	57.0	
630.0	2066.4	36.819	98.27	59.0	
631.0	2069.7	36.840	98.31	21.0	
632.0	2073.0	36.914	98.45	74.0	
633.0	2076.2	36.950	98.51	36.0	
634.0	2079.5	36.992	98.59	42.0	
635.0	2082.8	37.040	98.69	56.0	
636.0	2086.1	37.091	98.76	43.0	
637.0	2089.4	37.138	98.85	47.0	
638.0	2092.6	37.161	98.89	23.0	
639.0	2095.9	37.211	98.98	50.0	
640.0	2099.2	37.267	99.08	56.0	
641.0	2102.5	37.307	99.15	40.0	
642.0	2105.8	37.356	99.24	40.0	
643.0	2109.1	37.426	99.37	70.0	
644.0	2112.3	37.449	99.41	23.0	
645.0	2115.6	37.486	99.47	37.0	
646.0	2118.9	37.545	99.58	59.0	
647.0	2122.2	37.615	99.71	70.0	
648.0	2125.4	37.641	99.76	26.0	
649.0	2128.7	37.667	99.80	26.0	
650.0	2132.0	37.711	99.88	44.0	
651.0	2135.3	37.771	99.99	60.0	
652.0	2138.6	37.818	100.07	47.0	
653.0	2141.8	37.873	100.17	55.0	
654.0	2145.1	37.919	100.25	46.0	
655.0	2148.4	37.961	100.33	42.0	
656.0	2151.7	38.010	100.42	49.0	
657.0	2155.0	38.049	100.49	30.0	

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LOCATION: CANYON CITY AMS, ORE.

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14S/31E- 8CB

HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
658.0	2158.2	38.085	100.55	36.0	2.0
659.0	2161.5	38.161	100.69	76.0	4.4
660.0	2164.8	38.215	100.79	54.0	3.0
661.0	2168.1	38.263	100.87	48.0	2.6
662.0	2171.4	38.307	100.95	44.0	2.4
663.0	2174.6	38.375	101.08	68.0	3.4
664.0	2177.9	38.417	101.15	42.0	2.3
665.0	2181.2	38.450	101.21	33.0	1.1
666.0	2184.5	38.513	101.32	63.0	3.5
667.0	2187.8	38.550	101.39	37.0	2.0
668.0	2191.0	38.618	101.51	68.0	3.4
669.0	2194.3	38.655	101.58	37.0	2.0
670.0	2197.6	38.712	101.68	57.0	3.1
671.0	2200.9	38.759	101.77	47.0	2.6
672.0	2204.2	38.792	101.83	33.0	1.1
673.0	2207.4	38.827	101.89	35.0	1.1
674.0	2210.7	38.873	101.97	46.0	2.5
675.0	2214.0	38.904	102.03	31.0	1.1
676.0	2217.3	38.945	102.10	41.0	2.2
677.0	2220.6	38.988	102.18	43.0	2.4
678.0	2223.8	39.006	102.21	18.0	1.0
679.0	2227.1	39.051	102.29	45.0	2.5
680.0	2230.4	39.085	102.35	34.0	1.1
681.0	2233.7	39.132	102.44	47.0	2.6
682.0	2237.0	39.163	102.49	31.0	1.1
683.0	2240.2	39.211	102.58	48.0	2.7
684.0	2243.5	39.251	102.65	48.0	2.6
685.0	2246.8	39.303	102.75	52.0	2.9
686.0	2250.1	39.351	102.83	48.0	2.6
687.0	2253.4	39.406	102.93	55.0	3.0
688.0	2256.6	39.441	102.99	35.0	1.1
689.0	2259.9	39.499	103.10	58.0	3.2
690.0	2263.2	39.548	103.19	49.0	2.7
691.0	2266.5	39.586	103.25	38.0	1.1
692.0	2269.8	39.642	103.36	56.0	3.1
693.0	2273.0	39.699	103.46	57.0	3.1
694.0	2276.3	39.759	103.57	60.0	3.3
695.0	2279.6	39.798	103.64	39.0	2.1
696.0	2282.9	39.825	103.68	27.0	1.1
697.0	2286.2	39.898	103.82	73.0	4.0
698.0	2289.4	39.926	103.87	28.0	1.1

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
699.0	2292.7	39.985	103.97	59.0	0.0
700.0	2296.0	40.033	104.06	48.0	0.0
701.0	2299.3	40.062	104.11	29.0	0.0
702.0	2302.6	40.105	104.19	43.0	0.0
703.0	2305.9	40.150	104.27	45.0	0.0
704.0	2309.1	40.210	104.38	45.0	0.0
705.0	2312.4	40.268	104.48	58.0	0.0
706.0	2315.7	40.308	104.55	40.0	0.0
707.0	2319.0	40.336	104.60	28.0	0.0
708.0	2322.2	40.407	104.73	71.0	0.0
709.0	2325.5	40.450	104.81	43.0	0.0
710.0	2328.8	40.479	104.86	29.0	0.0
711.0	2332.1	40.550	104.99	71.0	0.0
712.0	2335.4	40.576	105.04	26.0	0.0
713.0	2338.7	40.635	105.14	59.0	0.0
714.0	2341.9	40.670	105.21	35.0	0.0
715.0	2345.2	40.702	105.26	32.0	0.0
716.0	2348.5	40.762	105.37	60.0	0.0
717.0	2351.8	40.795	105.43	33.0	0.0
718.0	2355.0	40.853	105.54	58.0	0.0
719.0	2358.3	40.896	105.61	43.0	0.0
720.0	2361.6	40.927	105.67	31.0	0.0
721.0	2364.9	40.982	105.77	55.0	0.0
722.0	2368.2	41.024	105.84	42.0	0.0
723.0	2371.4	41.066	105.92	42.0	0.0
724.0	2374.7	41.138	106.05	72.0	0.0
725.0	2378.0	41.169	106.10	31.0	0.0
726.0	2381.3	41.222	106.20	53.0	0.0
727.0	2384.6	41.266	106.28	44.0	0.0
728.0	2387.8	41.305	106.35	39.0	0.0
729.0	2391.1	41.368	106.46	63.0	0.0
730.0	2394.4	41.594	106.87	22.0	0.0
731.0	2397.7	41.609	106.90	15.0	0.0
732.0	2401.0	41.623	106.92	14.0	0.0
733.0	2404.2	41.606	106.89	-17.0	0.0
734.0	2407.5	41.594	106.87	-12.0	0.0
735.0	2410.8	41.582	106.85	-12.0	0.0
736.0	2414.1	41.571	106.83	-11.0	0.0
737.0	2417.4	41.576	106.84	5.0	0.0
738.0	2420.6	41.600	106.88	24.0	0.0
739.0	2423.9	41.597	106.87	-3.0	0.0

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LOCATION: CANYON CITY AMS, ORE.

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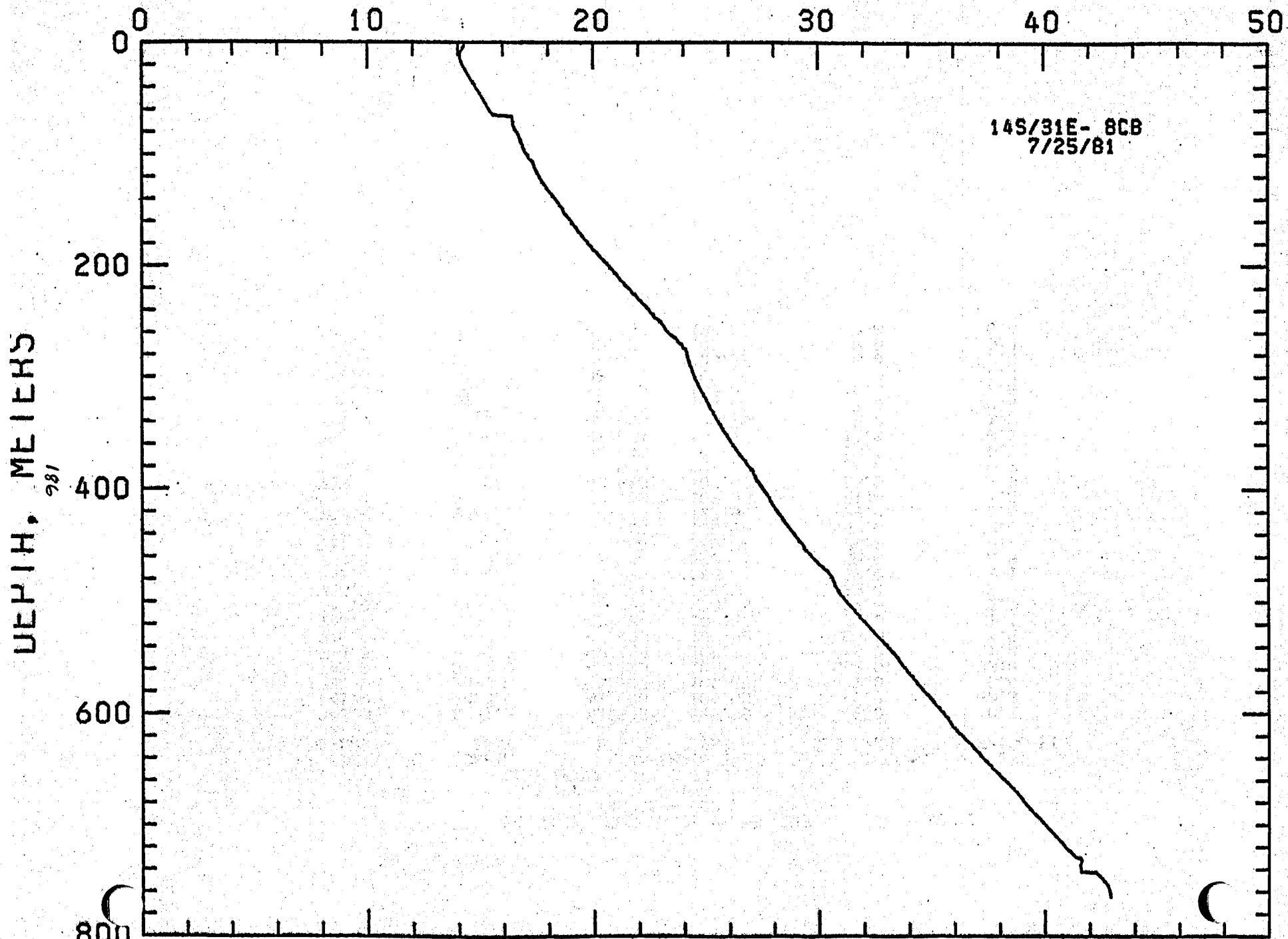
HOLE NAME: CORRIN

DATE MEASURED: 7/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
740.0	2427.2	41.606	106.89	9.0	0.5
741.0	2430.5	41.600	106.89	6.0	0.3
742.0	2433.8	41.607	106.89	7.0	0.4
743.0	2437.0	42.299	108.14	692.0	38.0
744.0	2440.3	42.318	108.17	19.0	1.0
745.0	2443.6	42.401	108.32	83.0	4.6
746.0	2446.9	42.421	108.36	20.0	1.1
747.0	2450.2	42.488	108.48	67.0	3.7
748.0	2453.4	42.541	108.57	53.0	2.9
749.0	2456.7	42.580	108.64	39.0	2.1
750.0	2460.0	42.632	108.74	52.0	2.9
751.0	2463.3	42.668	108.80	36.0	2.0
752.0	2466.6	42.715	108.89	47.0	2.6
753.0	2469.8	42.744	108.94	29.0	1.6
754.0	2473.1	42.765	108.98	21.0	1.2
755.0	2476.4	42.818	109.07	53.0	2.9
756.0	2479.7	42.830	109.09	12.0	0.7
757.0	2483.0	42.843	109.12	13.0	0.7
758.0	2486.2	42.854	109.14	11.0	0.6
759.0	2489.5	42.886	109.19	32.0	1.8
760.0	2492.8	42.893	109.21	7.0	0.4
761.0	2496.1	42.903	109.23	10.0	0.5
762.0	2499.4	42.911	109.24	8.0	0.4
763.0	2502.6	42.919	109.25	8.0	0.4
764.0	2505.9	42.927	109.27	8.0	0.4
765.0	2509.2	42.934	109.28	7.0	0.4

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TEMPERATURE, DEG C



LOCATION: BEND AMS OREGON

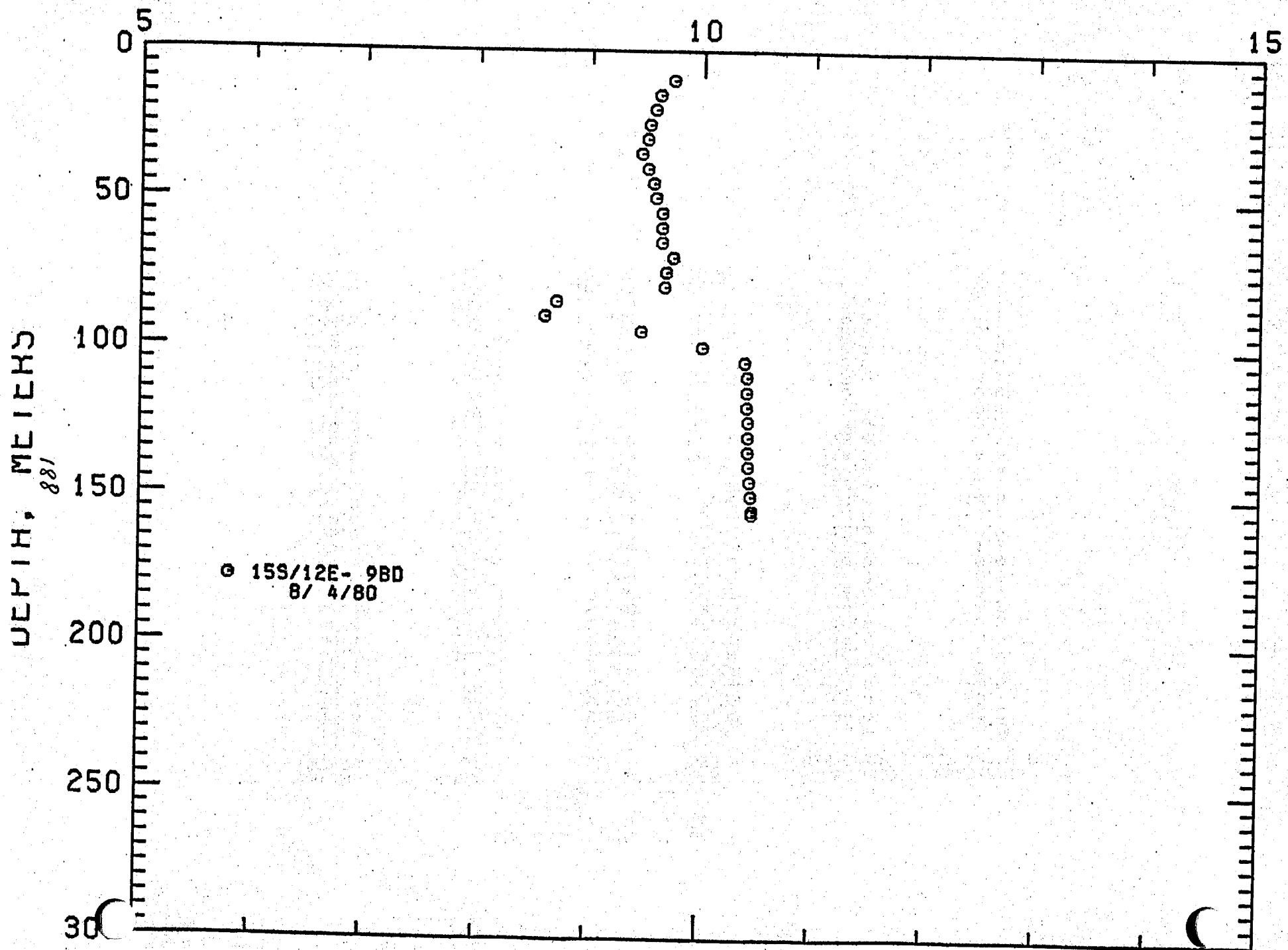
155/12E- 98D

HOLE NAME: JZ RANCH

DATE MEASURED: 8/ 4/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.730	49.51	0.0	0.0
15.0	49.2	9.610	49.30	-24.0	-1.3
20.0	65.6	9.570	49.23	-8.0	-0.4
25.0	82.0	9.520	49.14	-10.0	-0.5
30.0	98.4	9.500	49.10	-4.0	-0.2
35.0	114.8	9.450	49.01	-10.0	-0.5
40.0	131.2	9.510	49.12	12.0	0.7
45.0	147.6	9.560	49.21	10.0	0.5
50.0	164.0	9.580	49.24	4.0	0.2
55.0	180.4	9.640	49.35	12.0	0.7
60.0	196.8	9.640	49.35	0.0	0.0
65.0	213.2	9.640	49.35	0.0	0.0
70.0	229.6	9.740	49.53	20.0	1.1
75.0	246.0	9.680	49.42	-12.0	-0.7
80.0	262.4	9.670	49.41	-2.0	-0.1
85.0	278.8	8.700	47.66	-194.0	-10.6
90.0	295.2	8.600	47.48	-20.0	-1.1
95.0	311.6	9.460	49.03	172.0	9.4
100.0	328.0	10.010	50.02	110.0	5.0
105.0	344.4	10.390	50.70	76.0	4.2
110.0	360.8	10.410	50.74	4.0	0.2
115.0	377.2	10.410	50.74	0.0	0.0
120.0	393.6	10.410	50.74	0.0	0.0
125.0	410.0	10.420	50.76	0.0	0.0
130.0	426.4	10.420	50.76	2.0	0.1
135.0	442.8	10.420	50.76	0.0	0.0
140.0	459.2	10.430	50.77	0.0	0.0
145.0	475.6	10.440	50.79	2.0	0.1
150.0	492.0	10.450	50.81	2.0	0.1
155.0	508.4	10.460	50.83	2.0	0.1
156.0	511.7	10.460	50.83	0.0	0.0

TEMPERATURE, DEG C



LOCATION: JOHNSON, OREGON

15S/14E-35DDC

HOLE NAME: JOHNSON2

DATE MEASURED: 6/ 9/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
70.0	229.6	16.841	62.31	0.0	0.0
71.0	232.9	16.933	62.48	92.0	5.0
72.0	236.2	17.034	62.66	101.0	5.5
73.0	239.4	17.151	62.87	117.0	6.4
74.0	242.7	17.285	63.11	134.0	7.4
75.0	246.0	17.399	63.32	114.0	6.3
76.0	249.3	17.498	63.50	99.0	5.4
77.0	252.6	17.635	63.74	137.0	7.5
78.0	255.8	17.751	63.95	116.0	6.4
79.0	259.1	17.865	64.16	114.0	6.3
80.0	262.4	20.273	68.49	2408.0	132.1
81.0	265.7	20.480	68.86	207.0	11.4
82.0	269.0	20.508	68.91	28.0	1.5
83.0	272.2	20.542	68.98	34.0	1.9
84.0	275.5	20.596	69.07	54.0	3.0
85.0	278.8	20.663	69.19	67.0	3.7
86.0	282.1	20.711	69.28	48.0	2.6
87.0	285.4	20.776	69.40	65.0	3.6
88.0	288.6	20.828	69.49	52.0	2.9
89.0	291.9	20.943	69.70	115.0	6.3
90.0	295.2	20.989	69.78	46.0	2.5
91.0	298.5	21.093	69.97	104.0	5.7
92.0	301.8	21.174	70.11	81.0	4.4
93.0	305.0	21.233	70.22	59.0	3.2
94.0	308.3	21.311	70.36	78.0	4.3
95.0	311.6	21.387	70.50	75.0	4.2
96.0	314.9	21.450	70.61	63.0	3.5
97.0	318.2	21.535	70.76	85.0	4.7
98.0	321.4	21.641	70.95	106.0	5.8
99.0	324.7	21.726	71.11	85.0	4.7
100.0	328.0	21.798	71.24	72.0	4.0
101.0	331.3	21.901	71.42	103.0	5.7
102.0	334.6	21.945	71.50	44.0	2.4
103.0	337.8	22.061	71.71	116.0	6.4
104.0	341.1	22.149	71.87	88.0	4.8
105.0	344.4	22.223	72.00	74.0	4.1
106.0	347.7	22.306	72.15	83.0	4.6
107.0	351.0	22.408	72.33	102.0	5.6
108.0	354.2	22.483	72.47	75.0	4.1
109.0	357.5	22.553	72.60	70.0	3.8
110.0	360.8	22.626	72.73	73.0	4.0

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LOCATION: JOHNSON, OREGON

PAGE 2

15S/14E-35DDC

HOLE NAME: JOHNSON2

DATE MEASURED: 6/9/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
111.0	364.1	22.718	72.89	92.0	5.0
112.0	367.4	22.808	73.05	90.0	4.9
113.0	370.6	22.881	73.19	73.0	4.0
114.0	373.9	22.943	73.30	62.0	3.4
115.0	377.2	23.039	73.47	96.0	5.3
116.0	380.5	23.123	73.62	84.0	4.6
117.0	383.8	23.218	73.79	95.0	5.2
118.0	387.0	23.293	73.93	75.0	4.1
119.0	390.3	23.362	74.05	69.0	3.8
120.0	393.6	23.431	74.18	69.0	3.8
121.0	396.9	23.505	74.31	74.0	4.1
122.0	400.2	23.601	74.48	96.0	5.3
123.0	403.4	23.696	74.65	95.0	5.3
124.0	406.7	23.762	74.77	66.0	3.6
125.0	410.0	23.859	74.95	97.0	5.3
126.0	413.3	23.918	75.05	59.0	3.2
127.0	416.6	24.028	75.25	110.0	6.0
128.0	419.9	24.101	75.38	73.0	4.0
129.0	423.1	24.191	75.54	90.0	4.9
130.0	426.4	24.260	75.67	69.0	3.8
131.0	429.7	24.346	75.82	86.0	4.7
132.0	433.0	24.438	75.99	92.0	5.0
133.0	436.3	24.513	76.12	75.0	4.1
134.0	439.5	24.587	76.26	74.0	4.1
135.0	442.8	24.644	76.36	57.0	3.1
136.0	446.1	24.743	76.54	99.0	5.4
137.0	449.4	24.818	76.67	75.0	4.1
138.0	452.6	24.903	76.83	85.0	4.7
139.0	455.9	24.978	76.96	75.0	4.1
140.0	459.2	25.066	77.12	88.0	4.8
141.0	462.5	25.143	77.26	77.0	4.2
142.0	465.8	25.173	77.31	30.0	1.6
143.0	469.0	25.243	77.44	70.0	3.8
144.0	472.3	25.313	77.56	70.0	3.8
145.0	475.6	25.394	77.71	81.0	4.4
146.0	478.9	25.446	77.80	52.0	2.9
147.0	482.2	25.535	77.96	89.0	4.9
148.0	485.4	25.601	78.08	66.0	3.6
149.0	488.7	25.704	78.27	103.0	5.7
150.0	492.0	25.781	78.41	77.0	4.2
151.0	495.3	25.872	78.57	91.0	5.0

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LOCATION: JOHNSON, OREGON

PAGE 3

155/14E-35DDC

HOLE NAME: JOHNSON2

DATE MEASURED: 6/9/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
152.0	498.6	25.945	78.70	73.0	4.0
153.0	501.8	26.020	78.84	75.0	4.1
154.0	505.1	26.106	78.99	86.0	4.7
155.0	508.4	26.186	79.13	80.0	4.4
156.0	511.7	26.270	79.29	84.0	4.6
157.0	515.0	26.341	79.41	71.0	3.9
158.0	518.2	26.404	79.53	63.0	3.5
159.0	521.5	26.478	79.66	74.0	4.1
160.0	524.8	26.555	79.85	107.0	5.9
161.0	528.1	26.656	79.98	71.0	3.9
162.0	531.4	26.708	80.07	52.0	2.9
163.0	534.6	26.818	80.27	110.0	6.0
164.0	537.9	26.876	80.38	58.0	3.2
165.0	541.2	26.961	80.53	85.0	4.7
166.0	544.5	27.035	80.66	74.0	4.1
167.0	547.8	27.112	80.80	77.0	4.2
168.0	551.0	27.197	80.95	85.0	4.7
169.0	554.3	27.271	81.09	74.0	4.1
170.0	557.6	27.331	81.20	60.0	3.3
171.0	560.9	27.424	81.36	93.0	5.1
172.0	564.2	27.489	81.48	65.0	3.6
173.0	567.4	27.579	81.64	90.0	4.9
174.0	570.7	27.651	81.77	72.0	4.0
175.0	574.0	27.741	81.93	90.0	4.9
176.0	577.3	27.813	82.06	72.0	4.0
177.0	580.6	27.901	82.22	88.0	4.8
178.0	583.8	27.956	82.32	55.0	3.0
179.0	587.1	28.033	82.46	77.0	4.2
180.0	590.4	28.111	82.60	78.0	4.3
181.0	593.7	28.189	82.74	78.0	4.3
182.0	597.0	28.251	82.85	62.0	3.4
183.0	600.2	28.322	82.98	71.0	3.9
184.0	603.5	28.396	83.11	74.0	4.1
185.0	606.8	28.452	83.21	56.0	3.1
186.0	610.1	28.547	83.38	95.0	5.2
187.0	613.4	28.597	83.47	50.0	2.7
188.0	616.6	28.668	83.60	71.0	3.9
189.0	619.9	28.747	83.74	79.0	4.3
190.0	623.2	28.800	83.84	53.0	2.9
191.0	626.5	28.851	83.93	51.0	2.8
192.0	629.8	28.910	84.04	59.0	3.2

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LOCATION: JOHNSON, OREGON
15S/14E-35DDC

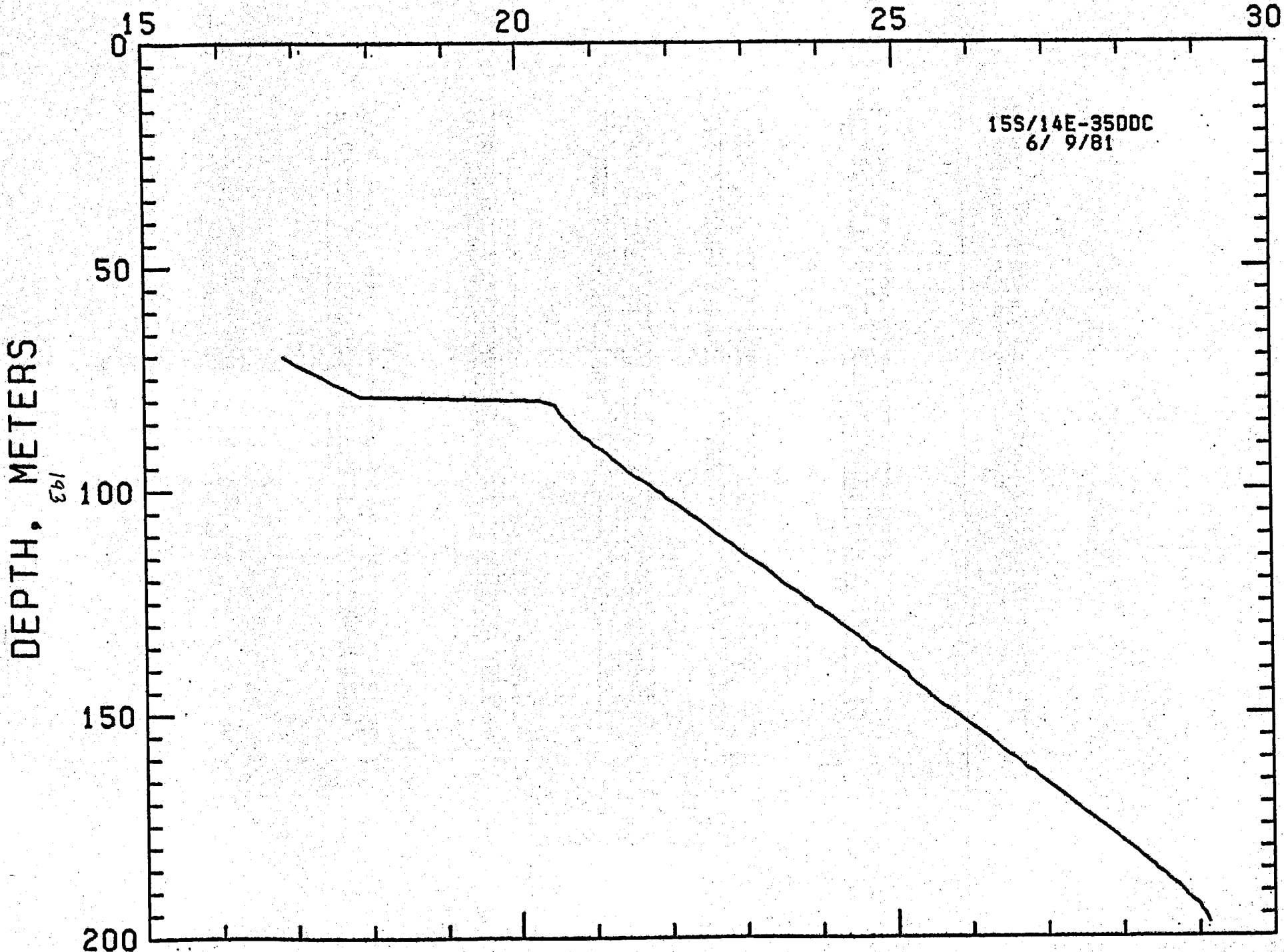
PAGE 4

HOLE NAME: JOHNSON2
DATE MEASURED: 6/9/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
193.0	633.0	28.987	84.18	77.0	4.2
194.0	636.3	29.024	84.24	37.0	2.0
195.0	639.6	29.066	84.32	42.0	2.3
196.0	642.9	29.098	84.38	32.0	1.8
197.0	646.2	29.127	84.43	29.0	1.6

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TEMPERATURE, DEG C



15S/14E-350DC
6/9/81

DEPTH, METERS

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LOCATION: BEND AMS, OREGON

16S/14E-16ABA

HOLE NAME: PB-1

DATE MEASURED: 7/ 7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	14.150	57.47	0.0	0.0
20.0	65.6	15.280	59.50	226.0	12.4
25.0	82.0	16.370	61.47	218.0	12.0
30.0	98.4	17.300	63.14	186.0	10.2
35.0	114.8	18.100	64.58	160.0	8.8
40.0	131.2	18.660	65.59	112.0	6.1
45.0	147.6	19.220	66.60	112.0	6.1
50.0	164.0	20.070	68.13	170.0	9.3
55.0	180.4	20.920	69.66	170.0	9.3
60.0	196.8	21.840	71.31	184.0	10.1
65.0	213.2	22.390	72.30	110.0	6.0
70.0	229.6	23.140	73.65	150.0	8.0
75.0	246.0	23.600	74.48	92.0	5.0
80.0	262.4	24.350	75.83	150.0	8.0
85.0	278.8	25.160	77.29	162.0	8.8
90.0	295.2	25.690	78.24	106.0	5.8
95.0	311.6	26.460	79.63	154.0	8.5
100.0	328.0	27.080	80.74	124.0	6.8
105.0	344.4	27.680	81.82	120.0	6.6
110.0	360.8	28.410	83.14	146.0	8.0
115.0	377.2	28.960	84.13	110.0	6.0
120.0	393.6	29.630	85.33	134.0	7.4
125.0	410.0	30.270	86.49	128.0	7.0
130.0	426.4	30.640	87.15	74.0	4.1
135.0	442.8	31.210	88.18	114.0	6.3
140.0	459.2	31.590	88.86	76.0	4.2
145.0	475.6	31.990	89.58	80.0	4.4
150.0	492.0	32.460	90.43	94.0	5.2
155.0	508.4	32.800	91.04	68.0	3.7
160.0	524.8	33.760	92.77	192.0	10.5
165.0	541.2	33.940	93.09	36.0	2.0
166.0	544.5	34.105	93.39	165.0	9.1
167.0	547.8	34.166	93.50	61.0	3.3
168.0	551.0	34.257	93.66	91.0	5.0
169.0	554.3	34.353	93.84	96.0	5.3
170.0	557.6	34.445	94.00	92.0	5.0
171.0	560.9	34.542	94.18	97.0	5.3
172.0	564.2	34.651	94.37	109.0	6.0
173.0	567.4	34.764	94.58	113.0	6.2
174.0	570.7	34.876	94.78	112.0	6.1
175.0	574.0	34.971	94.95	95.0	5.2

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LOCATION: BEND AMS, OREGON
16S/14E-16ABA

PAGE 2

HOLE NAME: PB-1
DATE MEASURED: 7/ 7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
176.0	577.3	35.089	95.16	118.0	6.5
177.0	580.6	35.193	95.35	104.0	5.7
178.0	583.8	35.284	95.51	91.0	5.0
179.0	587.1	35.412	95.74	128.0	7.0
180.0	590.4	35.532	95.96	120.0	6.6
181.0	593.7	35.661	96.19	129.0	7.1
182.0	597.0	35.763	96.37	102.0	5.6
183.0	600.2	35.875	96.58	112.0	6.1
184.0	603.5	35.959	96.73	84.0	4.6
185.0	606.8	36.067	96.92	108.0	5.9
186.0	610.1	36.129	97.03	62.0	3.4
187.0	613.4	36.204	97.17	75.0	4.1
188.0	616.6	36.292	97.33	88.0	4.8
189.0	619.9	36.372	97.47	80.0	4.4
190.0	623.2	36.482	97.67	110.0	6.0
191.0	626.5	36.587	97.86	105.0	5.8
192.0	629.8	36.736	98.12	149.0	8.2
193.0	633.0	36.892	98.41	156.0	8.6
194.0	636.3	37.025	98.64	133.0	7.3
195.0	639.6	37.200	98.96	175.0	9.6
196.0	642.9	37.319	99.17	119.0	6.5
197.0	646.2	37.470	99.45	151.0	8.3
198.0	649.4	37.594	99.67	124.0	6.8
199.0	652.7	37.706	99.87	112.0	6.1
200.0	656.0	37.817	100.07	111.0	6.1
201.0	659.3	37.910	100.24	53.0	5.1
202.0	662.6	37.989	100.38	79.0	4.3
203.0	665.8	38.080	100.54	91.0	5.0
204.0	669.1	38.166	100.70	86.0	4.7
205.0	672.4	38.249	100.85	83.0	4.6
206.0	675.7	38.319	100.97	70.0	3.8
207.0	679.0	38.403	101.13	84.0	4.6
208.0	682.2	38.461	101.23	58.0	3.2
209.0	685.5	38.517	101.33	56.0	3.1
210.0	688.8	38.581	101.45	64.0	3.5
211.0	692.1	38.653	101.58	72.0	4.0
212.0	695.4	38.725	101.71	72.0	4.0
213.0	698.6	38.796	101.83	71.0	3.9
214.0	701.9	38.850	101.93	54.0	3.0
215.0	705.2	38.914	102.05	64.0	3.5
216.0	708.5	39.026	102.25	112.0	6.1

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LOCATION: BEND AMS, OREGON
16S/14E-16ABA

PAGE 3

HOLE NAME: PB-1
DATE MEASURED: 7/7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
217.0	711.0	39.109	102.40	63.0	4.6
218.0	715.0	39.177	102.53	68.0	3.7
219.0	718.3	39.239	102.63	62.0	3.4
220.0	721.6	39.323	102.78	84.0	4.6
221.0	724.9	39.384	102.89	61.0	3.3
222.0	728.2	39.456	103.02	72.0	4.0
223.0	731.4	39.528	103.15	72.0	4.0
224.0	734.7	39.595	103.27	67.0	3.7
225.0	738.0	39.666	103.40	71.0	3.9
226.0	741.3	39.737	103.53	71.0	3.9
227.0	744.6	39.813	103.66	76.0	4.4
228.0	747.9	39.881	103.79	68.0	3.7
229.0	751.1	39.965	103.94	84.0	4.6
230.0	754.4	40.030	104.05	65.0	3.6
231.0	757.7	40.104	104.19	74.0	4.1
232.0	761.0	40.175	104.32	71.0	3.9
233.0	764.3	40.233	104.42	58.0	3.2
234.0	767.5	40.303	104.55	70.0	3.8
235.0	770.8	40.389	104.70	86.0	4.7
236.0	774.1	40.468	104.84	79.0	4.3
237.0	777.4	40.559	105.01	91.0	5.0
238.0	780.6	40.650	105.17	91.0	5.0
239.0	783.9	40.747	105.34	97.0	5.6
240.0	787.2	40.838	105.51	91.0	5.0
241.0	790.5	40.943	105.70	105.0	6.0
242.0	793.8	41.034	105.86	91.0	5.0
243.0	797.0	41.114	106.01	80.0	4.4
244.0	800.3	41.190	106.14	76.0	4.2
245.0	803.6	41.272	106.29	82.0	4.4
246.0	806.9	41.343	106.42	82.0	4.4
247.0	810.2	41.415	106.55	71.0	3.9
248.0	813.4	41.415	106.55	72.0	4.0
249.0	816.7	41.499	106.70	84.0	4.6
250.0	816.7	41.580	106.84	81.0	4.4
251.0	820.0	41.654	106.98	74.0	4.1
252.0	823.3	41.723	107.10	69.0	3.8
253.0	826.6	41.808	107.25	85.0	4.7
254.0	829.9	41.881	107.39	73.0	4.0
255.0	833.1	41.963	107.53	82.0	4.4
256.0	836.4	42.066	107.72	102.0	5.7
257.0	839.7	42.148	107.87	82.0	4.4
257.0	843.0	42.221	108.00	73.0	4.0

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LOCATION: BEND AMS, OREGON

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16S/14E-16ABA

HOLE NAME: PB-1

DATE MEASURED: 7/ 7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
258.0	846.2	42.305	108.15	84.0	4.6
259.0	849.5	42.383	108.29	78.0	4.3
260.0	852.8	42.467	108.44	84.0	4.6
261.0	856.1	42.544	108.58	77.0	4.2
262.0	859.4	42.614	108.71	70.0	3.8
263.0	862.6	42.695	108.85	81.0	4.4
264.0	865.9	42.762	108.97	67.0	3.7
265.0	869.2	42.838	109.11	76.0	4.2
266.0	872.5	42.909	109.24	71.0	3.9
267.0	875.8	42.991	109.38	82.0	4.5
268.0	879.0	43.051	109.49	60.0	3.3
269.0	882.3	43.128	109.63	77.0	4.2
270.0	885.6	43.199	109.76	71.0	3.9
271.0	888.9	43.280	109.90	81.0	4.4
272.0	892.2	43.361	110.05	81.0	4.4
273.0	895.4	43.443	110.20	82.0	4.5
274.0	898.7	43.513	110.32	70.0	3.8
275.0	902.0	43.593	110.47	80.0	4.4
276.0	905.3	43.671	110.61	78.0	4.3
277.0	908.6	43.744	110.74	73.0	4.0
278.0	911.8	43.827	110.89	83.0	4.6
279.0	915.1	43.908	111.03	81.0	4.4
280.0	918.4	43.984	111.17	76.0	4.2
281.0	921.7	44.074	111.33	90.0	4.9
282.0	925.0	44.153	111.48	79.0	4.3
283.0	928.2	44.222	111.60	69.0	3.8
284.0	931.5	44.305	111.75	83.0	4.6
285.0	934.8	44.375	111.88	70.0	3.8
286.0	938.1	44.451	112.01	76.0	4.2
287.0	941.4	44.524	112.14	73.0	4.0
288.0	944.6	44.583	112.25	59.0	3.2
289.0	947.9	44.654	112.38	71.0	3.9
290.0	951.2	44.732	112.52	78.0	4.3
291.0	954.5	44.813	112.66	81.0	4.4
292.0	957.8	44.880	112.78	67.0	3.7
293.0	961.0	44.952	112.91	72.0	4.0
294.0	964.3	45.028	113.05	76.0	4.2
295.0	967.6	45.113	113.20	85.0	4.7
296.0	970.9	45.195	113.35	82.0	4.5
297.0	974.2	45.264	113.48	69.0	3.8
298.0	977.4	45.354	113.64	90.0	4.9

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LOCATION: BEND AMS, OREGON

PAGE 5

16S/14E-16ABA

HOLE NAME: PB-1

DATE MEASURED: 7/ 7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
299.0	980.7	45.420	113.76	66.0	3.6
300.0	984.0	45.492	113.89	72.0	4.0
301.0	987.3	45.560	114.01	68.0	3.7
302.0	990.6	45.620	114.12	60.0	3.3
303.0	993.0	45.673	114.21	53.0	3.0
304.0	997.1	45.721	114.30	48.0	2.6
305.0	1000.4	45.774	114.39	53.0	3.0
306.0	1003.7	45.816	114.47	42.0	2.3
307.0	1007.0	45.854	114.54	38.0	2.1
308.0	1010.2	45.899	114.62	45.0	2.5
309.0	1013.5	45.944	114.70	45.0	2.5
310.0	1016.0	45.983	114.77	39.0	2.1
311.0	1020.1	46.025	114.84	42.0	2.3
312.0	1023.4	46.066	114.92	41.0	2.2
313.0	1026.6	46.099	114.98	33.0	1.8
314.0	1029.9	46.144	115.06	45.0	2.5
315.0	1033.2	46.183	115.13	39.0	2.1
316.0	1036.5	46.232	115.22	49.0	2.7
317.0	1039.0	46.279	115.30	47.0	2.6
318.0	1043.0	46.333	115.40	54.0	3.0
319.0	1046.3	46.386	115.49	53.0	3.0
320.0	1049.6	46.450	115.61	64.0	3.5
321.0	1052.9	46.511	115.72	61.0	3.3
322.0	1056.2	46.576	115.84	65.0	3.6
323.0	1059.4	46.646	115.96	70.0	3.8
324.0	1062.7	46.723	116.10	77.0	4.2
325.0	1066.0	46.785	116.21	62.0	3.4
326.0	1069.3	46.867	116.36	82.0	4.5
327.0	1072.6	46.936	116.48	69.0	3.8
328.0	1075.0	47.007	116.61	71.0	3.9
329.0	1079.1	47.082	116.75	75.0	4.1
330.0	1082.4	47.162	116.89	80.0	4.4
331.0	1085.7	47.225	117.01	63.0	3.5
332.0	1089.0	47.301	117.14	76.0	4.0
333.0	1092.2	47.374	117.27	73.0	4.0
334.0	1095.5	47.452	117.41	78.0	4.3
335.0	1098.0	47.526	117.55	74.0	4.1
336.0	1102.1	47.603	117.69	77.0	4.2
337.0	1105.4	47.687	117.84	84.0	4.6
338.0	1108.6	47.772	117.99	85.0	4.7
339.0	1111.9	47.856	118.14	84.0	4.6

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LOCATION: BEND AMS, OREGON
16S/14E-16ABA

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HOLE NAME: PB-1
DATE MEASURED: 7/ 7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
340.0	1115.2	47.944	118.30	88.0	4.8
341.0	1118.5	48.028	118.45	84.0	4.6
342.0	1121.8	48.117	118.61	89.0	4.9
343.0	1125.0	48.195	118.75	78.0	4.3
344.0	1128.3	48.261	118.87	66.0	3.6
345.0	1131.6	48.342	119.02	81.0	4.4
346.0	1134.9	48.429	119.17	87.0	4.8
347.0	1138.2	48.511	119.32	82.0	4.5
348.0	1141.4	48.589	119.46	78.0	4.3
349.0	1144.7	48.671	119.61	82.0	4.5
350.0	1148.0	48.753	119.77	92.0	5.0
351.0	1151.3	48.841	119.91	78.0	4.3
352.0	1154.6	48.923	120.06	82.0	4.5
353.0	1157.8	49.012	120.22	89.0	4.9
354.0	1161.1	49.093	120.37	81.0	4.4
355.0	1164.4	49.164	120.50	71.0	3.9
356.0	1167.7	49.237	120.63	73.0	4.0
357.0	1171.0	49.307	120.75	70.0	3.8
358.0	1174.2	49.386	120.89	79.0	4.3
359.0	1177.5	49.469	121.04	83.0	4.6
360.0	1180.8	49.556	121.20	87.0	4.8
361.0	1184.1	49.597	121.27	41.0	2.3
362.0	1187.4	49.679	121.42	82.0	4.5
363.0	1190.6	49.763	121.57	84.0	4.6
364.0	1193.9	49.831	121.70	68.0	3.7
365.0	1197.2	49.909	121.84	78.0	4.3
366.0	1200.5	49.987	121.98	78.0	4.3
367.0	1203.8	50.065	122.12	78.0	4.3
368.0	1207.0	50.150	122.27	85.0	4.7
369.0	1210.3	50.229	122.41	79.0	4.3
370.0	1213.6	50.304	122.55	75.0	4.1
371.0	1216.9	50.385	122.69	81.0	4.4
372.0	1220.2	50.451	122.81	66.0	3.6
373.0	1223.4	50.525	122.94	74.0	4.1
374.0	1226.7	50.597	123.07	72.0	4.0
375.0	1230.0	50.658	123.18	61.0	3.3
376.0	1233.3	50.740	123.33	82.0	4.4
377.0	1236.6	50.803	123.45	63.0	3.5
378.0	1239.8	50.873	123.57	70.0	3.8
379.0	1243.1	50.952	123.71	79.0	4.3
380.0	1246.4	51.030	123.85	78.0	4.3

bb1

LOCATION: BEND AMS, OREGON

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16S/14E-16ABA

HOLE NAME: PB-1

DATE MEASURED: 7/7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
381.0	1249.7	51.101	123.98	71.0	3.9
382.0	1253.0	51.184	124.13	83.0	4.6
383.0	1256.2	51.244	124.24	60.0	3.3
384.0	1259.5	51.315	124.37	71.0	3.9
385.0	1262.8	51.394	124.51	79.0	4.3
386.0	1266.1	51.453	124.62	59.0	3.2
387.0	1269.4	51.530	124.75	77.0	4.1
388.0	1272.6	51.596	124.87	66.0	3.6
389.0	1275.9	51.669	125.00	73.0	4.0
390.0	1279.2	51.736	125.12	67.0	3.7
391.0	1282.5	51.808	125.25	72.0	4.0
392.0	1285.8	51.883	125.39	75.0	4.1
393.0	1289.0	51.960	125.53	77.0	4.2
394.0	1292.3	52.032	125.66	72.0	4.0
395.0	1295.6	52.110	125.81	86.0	4.7
396.0	1298.9	52.186	125.93	68.0	3.7
397.0	1302.2	52.261	126.07	76.0	4.1
398.0	1305.4	52.339	126.21	77.0	4.1
399.0	1308.7	52.408	126.33	70.0	3.8
400.0	1312.0	52.484	126.47	76.0	4.1
401.0	1315.3	52.555	126.60	71.0	3.9
402.0	1318.6	52.624	126.72	69.0	3.8
403.0	1321.8	52.707	126.87	83.0	4.6
404.0	1325.1	52.773	126.99	66.0	3.6
405.0	1328.4	52.845	127.12	72.0	4.1
406.0	1331.7	52.916	127.25	71.0	3.9
407.0	1335.0	52.989	127.38	73.0	4.1
408.0	1338.2	53.052	127.49	63.0	3.5
409.0	1341.5	53.119	127.61	67.0	3.7
410.0	1344.8	53.187	127.74	68.0	3.7
411.0	1348.1	53.252	127.85	65.0	3.6
412.0	1351.4	53.321	127.98	69.0	3.8
413.0	1354.6	53.389	128.10	68.0	3.7
414.0	1357.9	53.442	128.20	53.0	3.0
415.0	1361.2	53.504	128.31	62.0	3.4
416.0	1364.5	53.564	128.42	60.0	3.3
417.0	1367.8	53.619	128.51	55.0	3.0
418.0	1371.0	53.677	128.62	58.0	3.2
419.0	1374.3	53.728	128.71	51.0	3.0
420.0	1377.6	53.777	128.80	49.0	3.0
421.0	1380.9	53.837	128.91	60.0	3.3

ce 7

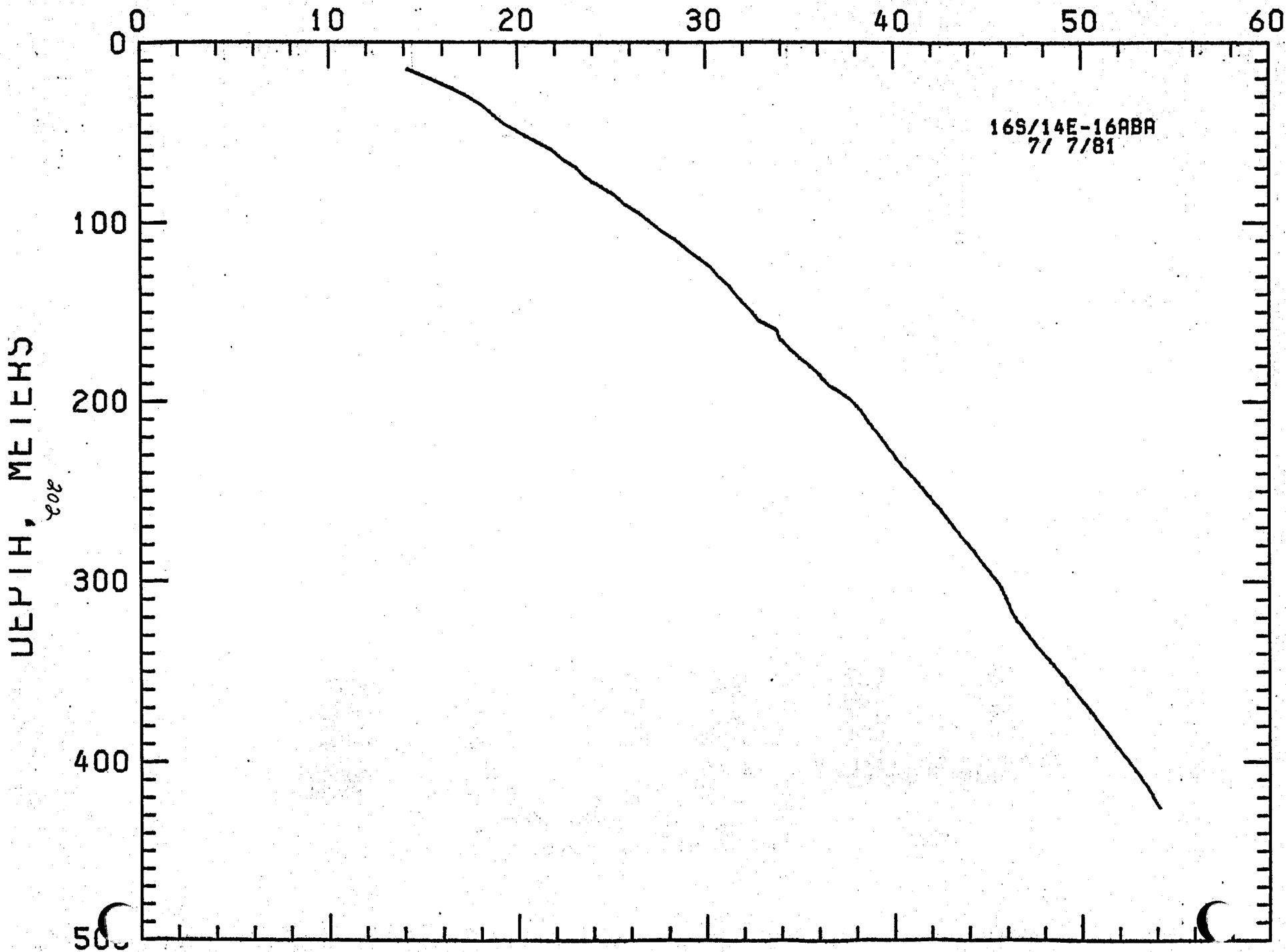
LOCATION: BEND AMS, OREGON
16S/14E-16ABA

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HOLE NAME: PB-1
DATE MEASURED: 7/ 7/81

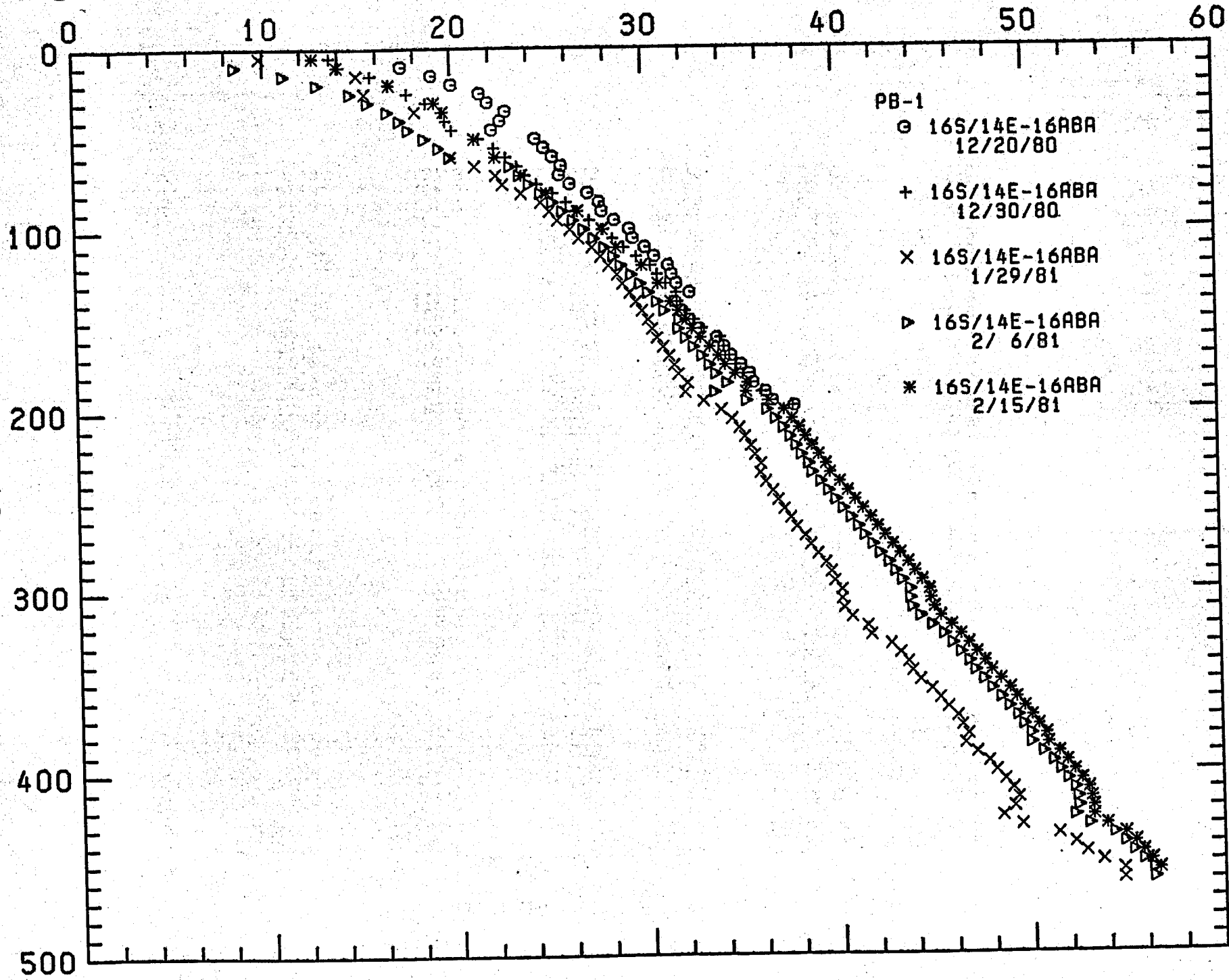
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
422.0	1384.2	53.886	128.99	49.0	2.7
423.0	1387.4	53.946	129.10	60.0	3.3
424.0	1390.7	54.004	129.21	58.0	3.2
425.0	1394.0	54.063	129.31	59.0	3.2
426.0	1397.3	54.125	129.43	62.0	3.4

TEMPERATURE, DEG C



TEMPERATURE, DEG C

DEPTH, METERS



LOCATION: CANYON CITY AMS, ORE.
16S/32E-34BC

HOLE NAME: DANDE
DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	14.391	57.90	0.0	0.0
3.0	9.8	14.357	57.84	-34.0	-1.9
4.0	13.1	14.314	57.77	-43.0	-2.4
5.0	16.4	14.270	57.69	-44.0	-2.4
6.0	19.7	14.223	57.60	-47.0	-2.6
7.0	23.0	14.174	57.51	-49.0	-2.7
8.0	26.2	14.129	57.43	-45.0	-2.5
9.0	29.5	14.093	57.37	-36.0	-2.0
10.0	32.8	14.071	57.33	-22.0	-1.2
11.0	36.1	14.057	57.30	-14.0	-0.5
12.0	39.4	14.047	57.28	-10.0	-0.5
13.0	42.6	14.040	57.27	-7.0	-0.4
14.0	45.9	14.041	57.27	1.0	0.1
15.0	49.2	14.048	57.29	7.0	0.4
16.0	52.5	14.058	57.30	10.0	0.5
17.0	55.8	14.073	57.33	15.0	0.8
18.0	59.1	14.092	57.37	19.0	1.0
19.0	62.4	14.112	57.40	20.0	1.1
20.0	65.6	14.133	57.44	21.0	1.2
21.0	68.9	14.157	57.48	24.0	1.3
22.0	72.2	14.182	57.53	25.0	1.4
23.0	75.4	14.206	57.57	24.0	1.3
24.0	78.7	14.234	57.62	28.0	1.5
25.0	82.0	14.260	57.67	26.0	1.4
26.0	85.3	14.291	57.72	31.0	1.7
27.0	88.6	14.320	57.78	29.0	1.6
28.0	91.9	14.351	57.83	31.0	1.7
29.0	95.1	14.382	57.89	31.0	1.7
30.0	98.4	14.414	57.95	32.0	1.8
31.0	101.7	14.447	58.00	33.0	1.8
32.0	105.0	14.482	58.07	35.0	1.9
33.0	108.2	14.517	58.13	35.0	1.9
34.0	111.5	14.551	58.19	34.0	1.9
35.0	114.8	14.587	58.26	36.0	2.0
36.0	118.1	14.622	58.32	36.0	2.0
37.0	121.4	14.658	58.38	36.0	2.0
38.0	124.6	14.692	58.45	34.0	1.9
39.0	127.9	14.727	58.51	35.0	1.9
40.0	131.1	14.764	58.58	37.0	2.0
41.0	134.4	14.799	58.64	35.0	1.9
42.0	137.7	14.833	58.70	34.0	1.9

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LOCATION: CANYON CITY AMS, ORE.

PAGE 2

16S/32E-34BC

HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	14.868	58.76	35.0	1.9
44.0	144.3	14.903	58.83	35.0	1.9
45.0	147.6	14.937	58.89	34.0	1.9
46.0	150.9	14.971	58.95	34.0	1.9
47.0	154.2	15.005	59.01	35.0	1.9
48.0	157.4	15.042	59.08	36.0	2.0
49.0	160.7	15.075	59.14	33.0	1.8
50.0	164.0	15.109	59.20	34.0	1.9
51.0	167.3	15.144	59.26	35.0	1.9
52.0	170.6	15.180	59.32	36.0	2.0
53.0	173.8	15.215	59.39	35.0	1.9
54.0	177.1	15.251	59.45	36.0	2.0
55.0	180.4	15.288	59.52	37.0	2.0
56.0	183.7	15.324	59.58	36.0	2.0
57.0	187.0	15.358	59.64	34.0	1.9
58.0	190.3	15.395	59.71	37.0	2.0
59.0	193.6	15.429	59.77	34.0	1.9
60.0	196.9	15.465	59.84	36.0	2.0
61.0	200.1	15.500	59.90	35.0	1.9
62.0	203.4	15.534	59.96	34.0	1.9
63.0	206.6	15.569	60.02	35.0	1.9
64.0	209.9	15.603	60.09	34.0	1.9
65.0	213.2	15.637	60.15	34.0	1.9
66.0	216.5	15.671	60.21	34.0	1.9
67.0	219.8	15.708	60.27	37.0	2.0
68.0	223.0	15.740	60.33	32.0	1.8
69.0	226.3	15.776	60.40	36.0	2.0
70.0	229.6	15.809	60.46	33.0	1.8
71.0	232.9	15.845	60.52	35.0	2.0
72.0	236.2	15.877	60.58	32.0	1.8
73.0	239.4	15.911	60.64	34.0	1.9
74.0	242.7	15.946	60.70	35.0	1.9
75.0	246.0	15.981	60.77	35.0	1.9
76.0	249.3	16.016	60.83	35.0	1.9
77.0	252.6	16.051	60.89	35.0	1.9
78.0	255.9	16.086	60.95	35.0	1.9
79.0	259.1	16.123	61.02	37.0	2.0
80.0	262.4	16.156	61.08	33.0	1.8
81.0	265.7	16.194	61.15	33.0	1.8
82.0	269.0	16.227	61.21	33.0	1.8
83.0	272.2	16.263	61.27	36.0	2.0

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LOCATION: CANYON CITY AMS, ORE.

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169/32E-34BC

HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	276.5	16.298	61.34	35.0	1.9
85.0	278.0	16.337	61.41	39.0	2.1
86.0	282.1	16.375	61.48	38.0	2.1
87.0	285.4	16.411	61.54	36.0	2.0
88.0	288.6	16.449	61.61	38.0	2.1
89.0	291.9	16.487	61.68	38.0	2.1
90.0	295.2	16.527	61.75	40.0	2.2
91.0	298.5	16.566	61.82	39.0	2.1
92.0	301.8	16.607	61.89	41.0	2.3
93.0	305.0	16.647	61.96	40.0	2.2
94.0	308.3	16.687	62.04	40.0	2.2
95.0	311.6	16.725	62.11	38.0	2.1
96.0	314.9	16.764	62.18	39.0	2.1
97.0	318.2	16.802	62.24	38.0	2.1
98.0	321.4	16.840	62.31	38.0	2.1
99.0	324.7	16.876	62.38	36.0	2.0
100.0	328.0	16.911	62.44	35.0	1.9
101.0	331.3	16.946	62.50	35.0	1.9
102.0	334.6	16.978	62.56	35.0	1.9
103.0	337.9	17.011	62.62	33.0	1.8
104.0	341.1	17.041	62.67	30.0	1.6
105.0	344.4	17.072	62.73	31.0	1.7
106.0	347.7	17.098	62.78	28.0	1.4
107.0	351.0	17.125	62.82	27.0	1.4
108.0	354.3	17.151	62.87	26.0	1.4
109.0	357.6	17.176	62.92	25.0	1.4
110.0	360.9	17.200	62.96	24.0	1.3
111.0	364.1	17.224	62.99	24.0	1.3
112.0	367.4	17.245	62.94	21.0	1.1
113.0	370.6	17.267	62.98	22.0	1.2
114.0	373.9	17.288	62.92	21.0	1.1
115.0	377.2	17.308	62.95	20.0	1.1
116.0	380.5	17.326	62.99	18.0	1.0
117.0	383.8	17.432	62.98	105.0	5.5
118.0	387.0	17.659	62.79	227.0	12.5
119.0	390.3	17.687	62.84	28.0	1.5
120.0	393.6	17.694	62.85	7.0	0.4
121.0	396.9	17.701	62.86	7.0	0.4
122.0	400.2	17.709	62.88	0.0	0.0
123.0	403.4	17.713	62.88	4.0	0.2
124.0	406.7	17.719	62.89	6.0	0.3

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LOCATION: CANYON CITY AMS, ORE.

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16S/32E-34BC

HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	17.726	63.91	7.0	0.4
126.0	413.3	17.731	63.92	5.0	0.3
127.0	416.6	17.735	63.92	4.0	0.2
128.0	419.8	17.749	63.95	14.0	0.8
129.0	423.1	17.759	63.97	10.0	0.5
130.0	426.4	17.767	63.98	8.0	0.4
131.0	429.7	17.775	63.99	8.0	0.4
132.0	433.0	17.780	64.00	5.0	0.3
133.0	436.2	17.786	64.01	6.0	0.3
134.0	439.5	17.799	64.04	13.0	0.7
135.0	442.8	17.808	64.05	9.0	0.5
136.0	446.1	17.815	64.07	7.0	0.4
137.0	449.4	17.826	64.09	11.0	0.6
138.0	452.6	17.837	64.11	11.0	0.6
139.0	455.9	17.852	64.13	15.0	0.8
140.0	459.2	17.861	64.15	9.0	0.5
141.0	462.5	17.876	64.18	15.0	0.8
142.0	465.8	17.882	64.19	6.0	0.3
143.0	469.0	17.895	64.21	13.0	0.7
144.0	472.3	17.910	64.24	15.0	0.8
145.0	475.6	17.926	64.27	16.0	0.9
146.0	478.9	17.929	64.27	3.0	0.2
147.0	482.2	17.945	64.30	16.0	0.9
148.0	485.4	17.957	64.32	12.0	0.7
149.0	488.7	17.971	64.35	14.0	0.8
150.0	492.0	17.979	64.36	8.0	0.4
151.0	495.3	17.994	64.39	15.0	0.8
152.0	498.6	18.009	64.42	15.0	0.8
153.0	501.8	18.031	64.46	22.0	1.2
154.0	505.1	18.043	64.48	12.0	0.7
155.0	508.4	18.057	64.50	14.0	0.8
156.0	511.7	18.073	64.53	16.0	0.9
157.0	515.0	18.095	64.57	22.0	1.2
158.0	518.2	18.115	64.61	20.0	1.1
159.0	521.5	18.136	64.64	21.0	1.2
160.0	524.8	18.153	64.68	17.0	0.9
161.0	528.1	18.168	64.70	15.0	0.8
162.0	531.4	18.184	64.73	16.0	0.9
163.0	534.6	18.215	64.79	31.0	1.7
164.0	537.9	18.238	64.83	23.0	1.3
165.0	541.2	18.257	64.86	19.0	1.0

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LOCATION: CANYON CITY AMS, ORE.
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HOLE NAME: DANDE
DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	18.283	64.91	26.0	1.4
167.0	547.0	18.297	64.93	14.0	0.8
168.0	551.0	18.307	64.95	10.0	0.5
169.0	554.0	18.335	65.00	28.0	1.5
170.0	557.6	18.351	65.03	16.0	0.9
171.0	560.9	18.370	65.07	19.0	1.0
172.0	564.2	18.404	65.13	34.0	1.9
173.0	567.4	18.427	65.17	23.0	1.3
174.0	570.7	18.460	65.23	33.0	1.8
175.0	574.0	18.476	65.26	16.0	0.9
176.0	577.3	18.496	65.29	20.0	1.1
177.0	580.6	18.507	65.31	11.0	0.6
178.0	583.0	18.534	65.36	27.0	1.5
179.0	587.1	18.556	65.40	22.0	1.2
180.0	590.4	18.567	65.42	11.0	0.6
181.0	593.7	18.591	65.46	24.0	1.3
182.0	597.0	18.618	65.51	27.0	1.5
183.0	600.2	18.640	65.55	22.0	1.2
184.0	603.5	18.660	65.59	20.0	1.1
185.0	606.8	18.693	65.65	33.0	1.8
186.0	610.1	18.713	65.68	20.0	1.1
187.0	613.4	18.731	65.72	18.0	1.0
188.0	616.6	18.751	65.75	20.0	1.1
189.0	619.9	18.787	65.82	36.0	2.0
190.0	623.2	18.808	65.86	21.0	1.1
191.0	626.5	18.829	65.89	21.0	1.1
192.0	629.8	18.854	65.94	25.0	1.4
193.0	633.0	18.881	65.99	27.0	1.5
194.0	636.3	18.892	66.01	11.0	0.6
195.0	639.6	18.917	66.05	25.0	1.4
196.0	642.9	18.943	66.10	28.0	1.5
197.0	646.2	18.966	66.14	23.0	1.3
198.0	649.4	18.985	66.17	19.0	1.0
199.0	652.7	19.021	66.24	36.0	2.0
200.0	656.0	19.038	66.27	17.0	0.9
201.0	659.3	19.061	66.31	23.0	1.3
202.0	662.6	19.081	66.35	20.0	1.1
203.0	665.0	19.116	66.41	35.0	1.9
204.0	669.1	19.151	66.47	35.0	1.9
205.0	672.4	19.180	66.52	29.0	1.6
206.0	676.7	19.203	66.57	23.0	1.3

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LOCATION: CANYON CITY AMS, ORE.

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16S/32E-34BC

HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
207.0	679.0	19.240	66.63	37.0	2.0
208.0	682.2	19.275	66.69	35.0	1.9
209.0	685.5	19.312	66.76	37.0	2.0
210.0	688.8	19.331	66.80	19.0	1.0
211.0	692.1	19.376	66.88	45.0	2.5
212.0	695.4	19.404	66.93	28.0	1.5
213.0	698.6	19.431	66.98	27.0	1.5
214.0	701.9	19.459	67.03	28.0	1.5
215.0	705.2	19.487	67.08	28.0	1.5
216.0	708.5	19.532	67.16	45.0	2.5
217.0	711.8	19.544	67.18	12.0	0.7
218.0	715.0	19.577	67.24	33.0	1.8
219.0	718.3	19.606	67.29	29.0	1.6
220.0	721.6	19.646	67.36	40.0	2.2
221.0	724.9	19.675	67.42	29.0	1.6
222.0	728.2	19.706	67.47	31.0	1.7
223.0	731.4	19.740	67.53	34.0	1.9
224.0	734.7	19.763	67.57	23.0	1.3
225.0	738.0	19.812	67.66	49.0	2.7
226.0	741.3	19.847	67.72	35.0	1.9
227.0	744.6	19.868	67.76	21.0	1.2
228.0	747.8	19.904	67.83	36.0	2.0
229.0	751.1	19.929	67.87	25.0	1.4
230.0	754.4	19.969	67.94	40.0	2.2
231.0	757.7	20.009	68.02	40.0	2.2
232.0	761.0	20.048	68.09	39.0	2.1
233.0	764.2	20.060	68.11	12.0	0.7
234.0	767.5	20.111	68.20	51.0	2.8
235.0	770.8	20.152	68.27	41.0	2.3
236.0	774.1	20.185	68.33	33.0	1.8
237.0	777.4	20.216	68.39	31.0	1.7
238.0	780.6	20.264	68.48	48.0	2.6
239.0	783.9	20.307	68.55	43.0	2.4
240.0	787.2	20.356	68.64	49.0	2.7
241.0	790.5	20.404	68.73	48.0	2.6
242.0	793.8	20.427	68.77	23.0	1.3
243.0	797.0	20.465	68.84	38.0	2.1
244.0	800.3	20.529	68.95	54.0	3.1
245.0	803.6	20.567	69.02	38.0	2.1
246.0	806.9	20.618	69.11	51.0	2.8
247.0	810.2	20.679	69.22	61.0	3.3

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LOCATION: CANYON CITY AMS, ORE.
16S/32E-34BC

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HOLE NAME: DANDE
DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
248.0	813.4	20.750	69.35	71.0	3.0
249.0	816.7	20.801	69.44	51.0	2.89
250.0	820.0	20.883	69.59	82.0	4.45
251.0	823.3	20.961	69.73	79.0	4.33
252.0	826.6	21.063	69.91	102.0	5.66
253.0	829.8	21.099	69.98	36.0	2.00
254.0	833.1	21.186	70.13	87.0	4.88
255.0	836.4	21.280	70.30	94.0	5.22
256.0	839.7	21.396	70.51	116.0	6.44
257.0	843.0	21.542	70.78	146.0	8.00
258.0	846.2	21.710	71.08	169.0	9.22
259.0	849.5	21.804	71.25	94.0	4.77
260.0	852.8	21.890	71.40	86.0	4.77
261.0	856.1	22.125	71.82	235.0	12.99
262.0	859.4	22.393	72.31	268.0	14.77
263.0	862.6	22.567	72.62	174.0	9.95
264.0	865.9	22.799	73.04	232.0	12.77
265.0	869.2	23.066	73.52	267.0	14.77
266.0	872.5	23.081	73.55	15.0	0.8
267.0	875.8	23.128	73.53	47.0	2.68
268.0	879.0	23.134	73.64	6.0	0.21
269.0	882.3	23.875	74.98	741.0	40.77
270.0	885.6	23.962	75.13	87.0	4.48
271.0	888.9	23.998	75.20	36.0	2.00
272.0	892.2	24.033	75.26	36.0	2.00
273.0	895.4	24.058	75.30	17.0	1.09
274.0	898.7	24.072	75.33	22.0	0.95
275.0	902.0	24.095	75.37	23.0	1.11
276.0	905.3	24.123	75.42	28.0	1.55
277.0	908.6	24.142	75.46	19.0	1.10
278.0	911.8	24.169	75.50	27.0	1.55
279.0	915.1	24.192	75.55	23.0	1.11
280.0	918.4	24.232	75.62	40.0	2.22
281.0	921.7	24.267	75.68	35.0	1.99
282.0	925.0	24.286	75.71	19.0	1.09
283.0	928.3	24.326	75.79	40.0	2.22
284.0	931.5	24.360	75.85	34.0	1.99
285.0	934.8	24.399	75.92	39.0	2.11
286.0	938.1	24.426	75.97	27.0	1.55
287.0	941.4	24.446	76.00	20.0	1.11
288.0	944.6	24.460	76.03	14.0	0.8

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LOCATION: CANYON CITY AMS, ORE.

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16S/32E-34BC

HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	24.487	76.08	27.0	1.5
290.0	951.2	24.504	76.11	17.0	0.9
291.0	954.5	24.524	76.14	20.0	1.1
292.0	957.8	24.543	76.18	19.0	1.0
293.0	961.0	24.545	76.18	2.0	0.1
294.0	964.3	24.574	76.23	29.0	1.6
295.0	967.6	24.591	76.26	17.0	0.9
296.0	970.9	24.613	76.30	22.0	1.2
297.0	974.2	24.637	76.35	24.0	1.3
298.0	977.4	24.652	76.37	15.0	0.8
299.0	980.7	24.668	76.40	16.0	0.9
300.0	984.0	24.685	76.43	17.0	0.9
301.0	987.3	24.702	76.46	17.0	0.9
302.0	990.6	24.722	76.50	20.0	1.1
303.0	993.8	24.736	76.52	14.0	0.8
304.0	997.1	24.749	76.55	13.0	0.7
305.0	1000.4	24.765	76.58	16.0	0.9
306.0	1003.7	24.781	76.61	16.0	0.9
307.0	1007.0	24.793	76.63	12.0	0.7
308.0	1010.2	24.804	76.65	11.0	0.6
309.0	1013.5	24.815	76.67	11.0	0.6
310.0	1016.8	24.824	76.68	9.0	0.5
311.0	1020.1	24.833	76.70	9.0	0.5
312.0	1023.4	24.843	76.72	10.0	0.5
313.0	1026.6	24.853	76.74	10.0	0.5
314.0	1029.9	24.860	76.75	7.0	0.4
315.0	1033.2	24.867	76.76	7.0	0.4
316.0	1036.5	24.877	76.78	10.0	0.5
317.0	1039.8	24.889	76.80	12.0	0.7
318.0	1043.0	24.890	76.80	1.0	0.1
319.0	1046.3	24.896	76.81	6.0	0.3
320.0	1049.6	24.907	76.83	11.0	0.6
321.0	1052.9	24.913	76.84	6.0	0.3
322.0	1056.2	24.921	76.86	8.0	0.4
323.0	1059.4	24.929	76.87	8.0	0.4
324.0	1062.7	24.938	76.89	9.0	0.5
325.0	1066.0	24.944	76.90	6.0	0.3
326.0	1069.3	24.952	76.91	8.0	0.4
327.0	1072.6	24.958	76.92	6.0	0.3
328.0	1075.9	24.961	76.93	3.0	0.2
329.0	1079.1	24.963	76.93	2.0	0.1

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
330.0	1082.4	24.968	76.94	5.0	0.0
331.0	1085.7	24.972	76.95	4.4	0.0
332.0	1089.0	24.975	76.96	3.0	0.0
333.0	1092.2	24.981	76.97	6.0	0.0
334.0	1095.5	24.987	76.98	6.0	0.0
335.0	1098.8	24.994	76.99	6.0	0.0
336.0	1102.1	24.996	76.99	6.0	0.0
337.0	1105.4	25.002	77.00	6.0	0.0
338.0	1108.6	25.006	77.01	6.0	0.0
339.0	1111.9	25.005	77.01	6.0	0.0
340.0	1115.2	25.011	77.02	6.0	0.0
341.0	1118.5	25.012	77.02	6.0	0.0
342.0	1121.8	25.016	77.03	6.0	0.0
343.0	1125.1	25.015	77.03	6.0	0.0
344.0	1128.4	25.020	77.04	6.0	0.0
345.0	1131.7	25.023	77.04	6.0	0.0
346.0	1134.9	25.021	77.04	6.0	0.0
347.0	1138.2	25.027	77.05	6.0	0.0
348.0	1141.4	25.029	77.05	6.0	0.0
349.0	1144.7	25.029	77.05	6.0	0.0
350.0	1148.0	25.033	77.06	6.0	0.0
351.0	1151.3	25.033	77.06	6.0	0.0
352.0	1154.6	25.034	77.06	6.0	0.0
353.0	1157.8	25.034	77.06	6.0	0.0
354.0	1161.1	25.034	77.06	6.0	0.0
355.0	1164.4	25.039	77.07	6.0	0.0
356.0	1167.7	25.037	77.07	6.0	0.0
357.0	1171.0	25.034	77.06	6.0	0.0
358.0	1174.2	25.035	77.06	6.0	0.0
359.0	1177.5	25.026	77.05	6.0	0.0
360.0	1180.8	25.017	77.03	6.0	0.0
361.0	1184.1	25.003	77.01	6.0	0.0
362.0	1187.4	24.995	76.99	6.0	0.0
363.0	1190.6	24.994	76.99	6.0	0.0
364.0	1193.9	24.999	77.00	6.0	0.0
365.0	1197.2	25.000	77.01	6.0	0.0
366.0	1200.5	25.030	77.05	6.0	0.0
367.0	1203.8	25.057	77.10	6.0	0.0
368.0	1207.0	25.072	77.13	6.0	0.0
369.0	1210.3	25.079	77.14	6.0	0.0
370.0	1213.6	25.090	77.16	6.0	0.0

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
371.0	1216.9	25.100	77.18	10.0	0.5
372.0	1220.2	25.107	77.19	7.0	0.4
373.0	1223.4	25.116	77.21	9.0	0.5
374.0	1226.7	25.126	77.23	10.0	0.5
375.0	1230.0	25.132	77.24	6.0	0.3
376.0	1233.3	25.135	77.24	5.0	0.3
377.0	1236.6	25.140	77.25	5.0	0.3
378.0	1239.9	25.147	77.26	7.0	0.4
379.0	1243.1	25.151	77.27	4.0	0.2
380.0	1246.4	25.154	77.28	4.0	0.2
381.0	1249.7	25.158	77.28	4.0	0.2
382.0	1253.0	25.163	77.29	5.0	0.3
383.0	1256.2	25.166	77.30	5.0	0.3
384.0	1259.5	25.169	77.30	5.0	0.3
385.0	1262.8	25.172	77.31	5.0	0.3
386.0	1266.1	25.176	77.32	4.0	0.2
387.0	1269.4	25.181	77.33	5.0	0.3
388.0	1272.6	25.181	77.33	0.0	0.0
389.0	1275.9	25.183	77.33	0.0	0.0
390.0	1279.2	25.187	77.34	4.0	0.2
391.0	1282.5	25.191	77.34	4.0	0.2
392.0	1285.8	25.194	77.35	5.0	0.3
393.0	1289.0	25.202	77.36	0.0	0.0
394.0	1292.3	25.205	77.37	0.0	0.0
395.0	1295.6	25.207	77.37	0.0	0.0
396.0	1298.9	25.212	77.38	5.0	0.3
397.0	1302.2	25.217	77.39	5.0	0.3
398.0	1305.4	25.220	77.40	5.0	0.3
399.0	1308.7	25.223	77.40	5.0	0.3
400.0	1312.0	25.226	77.41	5.0	0.3
401.0	1315.3	25.230	77.41	4.0	0.2
402.0	1318.6	25.233	77.42	5.0	0.3
403.0	1321.9	25.237	77.43	4.0	0.2
404.0	1325.1	25.239	77.43	0.0	0.0
405.0	1328.4	25.239	77.43	0.0	0.0
406.0	1331.7	25.242	77.44	3.0	0.2
407.0	1335.0	25.244	77.44	0.0	0.0
408.0	1338.2	25.248	77.45	4.0	0.2
409.0	1341.5	25.248	77.45	0.0	0.0
410.0	1344.8	25.252	77.45	4.0	0.2
411.0	1348.1	25.255	77.46	3.0	0.2

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LOCATION: CANYON CITY AMS, ORE.
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HOLE NAME: DANDE
DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
412.0	1351.4	77.259	77.47	4.0	0.0
413.0	1354.6	77.263	77.47	4.0	0.0
414.0	1357.9	77.269	77.48	4.0	0.0
415.0	1361.2	77.271	77.49	4.0	0.0
416.0	1364.5	77.276	77.50	4.0	0.0
417.0	1367.8	77.299	77.54	4.0	0.0
418.0	1371.0	77.303	77.54	4.0	0.0
419.0	1374.3	77.310	77.56	4.0	0.0
420.0	1377.6	77.315	77.57	4.0	0.0
421.0	1380.9	77.322	77.58	4.0	0.0
422.0	1384.2	77.329	77.59	4.0	0.0
423.0	1387.4	77.337	77.61	4.0	0.0
424.0	1390.7	77.346	77.62	4.0	0.0
425.0	1394.0	77.354	77.64	4.0	0.0
426.0	1397.3	77.363	77.65	4.0	0.0
427.0	1400.6	77.367	77.65	4.0	0.0
428.0	1403.9	77.374	77.67	4.0	0.0
429.0	1407.1	77.383	77.69	4.0	0.0
430.0	1410.4	77.390	77.70	4.0	0.0
431.0	1413.7	77.398	77.72	4.0	0.0
432.0	1417.0	77.405	77.73	4.0	0.0
433.0	1420.3	77.414	77.75	4.0	0.0
434.0	1423.6	77.421	77.76	4.0	0.0
435.0	1426.9	77.428	77.77	4.0	0.0
436.0	1430.1	77.435	77.78	4.0	0.0
437.0	1433.4	77.441	77.79	4.0	0.0
438.0	1436.7	77.446	77.80	4.0	0.0
439.0	1439.9	77.452	77.81	4.0	0.0
440.0	1443.2	77.458	77.82	4.0	0.0
441.0	1446.5	77.464	77.84	4.0	0.0
442.0	1449.8	77.470	77.85	4.0	0.0
443.0	1453.1	77.477	77.86	4.0	0.0
444.0	1456.4	77.483	77.87	4.0	0.0
445.0	1459.7	77.488	77.87	4.0	0.0
446.0	1463.0	77.493	77.88	4.0	0.0
447.0	1466.3	77.497	77.89	4.0	0.0
448.0	1469.6	77.496	77.89	4.0	0.0
449.0	1472.9	77.497	77.89	4.0	0.0
450.0	1476.2	77.497	77.89	4.0	0.0
451.0	1479.5	77.497	77.89	4.0	0.0
452.0	1482.8	77.498	77.90	4.0	0.0

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
453.0	1485.8	25.503	77.91	5.0	0.3
454.0	1489.1	25.509	77.91	5.0	0.3
455.0	1492.4	25.512	77.92	4.0	0.2
456.0	1495.7	25.517	77.93	5.0	0.3
457.0	1499.0	25.519	77.93	2.0	0.1
458.0	1502.2	25.524	77.94	5.0	0.3
459.0	1505.5	25.524	77.94	0.0	0.0
460.0	1508.8	25.526	77.95	2.0	0.1
461.0	1512.1	25.527	77.95	1.0	0.1
462.0	1515.4	25.531	77.96	4.0	0.2
463.0	1518.6	25.529	77.95	-2.0	-0.1
464.0	1521.9	25.529	77.95	0.0	0.0
465.0	1525.2	25.529	77.95	0.0	0.0
466.0	1528.5	25.526	77.95	-3.0	-0.2
467.0	1531.8	25.529	77.95	3.0	0.2
468.0	1535.0	25.529	77.95	0.0	0.0
469.0	1538.3	25.532	77.96	3.0	0.2
470.0	1541.6	25.534	77.96	2.0	0.1
471.0	1544.9	25.540	77.97	5.0	0.3
472.0	1548.2	25.545	77.98	5.0	0.3
473.0	1551.4	25.551	77.99	6.0	0.3
474.0	1554.7	25.558	78.00	7.0	0.4
475.0	1558.0	25.568	78.02	10.0	0.5
476.0	1561.3	25.579	78.04	11.0	0.6
477.0	1564.6	25.587	78.06	8.0	0.4
478.0	1567.8	25.593	78.07	6.0	0.3
479.0	1571.1	25.595	78.07	2.0	0.1
480.0	1574.4	25.599	78.08	4.0	0.2
481.0	1577.7	25.607	78.09	8.0	0.4
482.0	1581.0	25.611	78.10	4.0	0.2
483.0	1584.2	25.616	78.11	5.0	0.3
484.0	1587.5	25.626	78.13	10.0	0.5
485.0	1590.8	25.630	78.13	4.0	0.2
486.0	1594.1	25.632	78.14	2.0	0.1
487.0	1597.4	25.634	78.14	2.0	0.1
488.0	1600.6	25.643	78.16	9.0	0.5
489.0	1603.9	25.650	78.17	7.0	0.4
490.0	1607.2	25.662	78.19	12.0	0.7
491.0	1610.5	25.680	78.22	18.0	1.0
492.0	1613.8	25.700	78.26	20.0	1.1
493.0	1617.0	25.725	78.31	25.0	1.4

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
494.0	1620.3	25.738	78.33	13.0	0.7
495.0	1623.6	25.781	78.41	43.0	2.4
496.0	1626.9	25.810	78.46	29.0	1.6
497.0	1630.2	25.842	78.52	32.0	1.8
498.0	1633.4	25.865	78.56	23.0	1.3
499.0	1636.7	25.912	78.64	47.0	2.6
500.0	1640.0	25.952	78.71	40.0	2.2
501.0	1643.3	25.990	78.78	38.0	2.1
502.0	1646.6	26.024	78.84	34.0	1.9
503.0	1649.9	26.065	78.92	41.0	2.2
504.0	1653.1	26.087	78.95	22.0	1.1
505.0	1656.4	26.133	79.04	46.0	2.5
506.0	1659.7	26.146	79.06	13.0	0.7
507.0	1663.0	26.206	79.17	60.0	3.3
508.0	1666.2	26.250	79.25	44.0	2.4
509.0	1669.5	26.301	79.34	51.0	2.8
510.0	1672.8	26.358	79.44	57.0	3.1
511.0	1676.1	26.507	79.71	149.0	8.2
512.0	1679.4	26.669	80.00	162.0	8.9
513.0	1682.6	26.779	80.20	110.0	6.0
514.0	1685.9	26.874	80.37	95.0	5.2
515.0	1689.2	26.912	80.44	38.0	2.1
516.0	1692.5	27.532	81.56	620.0	34.0
517.0	1695.8	27.848	82.13	316.0	17.3
518.0	1699.0	28.111	82.60	263.0	14.4
519.0	1702.3	28.089	82.56	-22.0	-1.2
520.0	1705.6	28.110	82.60	21.0	1.1
521.0	1708.9	28.115	82.61	5.0	0.3
522.0	1712.2	28.124	82.62	9.0	0.5
523.0	1715.4	28.130	82.63	6.0	0.3
524.0	1718.7	28.137	82.65	7.0	0.4
525.0	1722.0	28.142	82.66	5.0	0.3
526.0	1725.3	28.149	82.67	7.0	0.4
527.0	1728.6	28.157	82.68	8.0	0.4
528.0	1731.9	28.182	82.73	25.0	1.4
529.0	1735.1	28.197	82.75	15.0	0.8
530.0	1738.4	28.218	82.79	21.0	1.2
531.0	1741.7	28.241	82.83	23.0	1.3
532.0	1745.0	28.273	82.89	32.0	1.8
533.0	1748.2	28.329	82.99	56.0	3.1
534.0	1751.5	28.367	83.06	38.0	2.1

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
535.0	1754.0	28.393	83.11	26.0	1.4
536.0	1758.1	28.440	83.19	47.0	2.6
537.0	1761.4	28.493	83.29	53.0	2.9
538.0	1764.6	28.535	83.36	42.0	2.3
539.0	1767.9	28.597	83.47	62.0	3.4
540.0	1771.2	28.691	83.64	94.0	5.2
541.0	1774.5	28.754	83.76	63.0	3.5
542.0	1777.8	28.824	83.88	70.0	3.8
543.0	1781.0	28.875	83.98	51.0	2.8
544.0	1784.3	28.959	84.13	84.0	4.6
545.0	1787.6	29.052	84.29	93.0	5.1
546.0	1790.9	29.179	84.52	127.0	7.0
547.0	1794.2	29.359	84.85	180.0	10.0
548.0	1797.4	29.531	85.16	172.0	9.4
549.0	1800.7	29.690	85.44	159.0	8.7
550.0	1804.0	29.847	85.72	157.0	8.6
551.0	1807.3	30.075	86.13	228.0	12.7
552.0	1810.6	30.184	86.33	109.0	6.0
553.0	1813.8	30.299	86.54	115.0	6.3
554.0	1817.1	30.394	86.69	85.0	4.7
555.0	1820.4	30.512	86.92	128.0	7.0
556.0	1823.7	30.626	87.13	114.0	6.3
557.0	1827.0	30.737	87.33	111.0	6.1
558.0	1830.2	30.905	87.63	168.0	9.2
559.0	1833.5	31.046	87.88	141.0	7.7
560.0	1836.8	31.207	88.17	161.0	8.8
561.0	1840.1	31.360	88.45	153.0	8.4
562.0	1843.4	31.556	88.80	196.0	10.8
563.0	1846.6	31.755	89.16	199.0	10.9
564.0	1849.9	31.994	89.59	239.0	13.1
565.0	1853.2	32.100	89.78	106.0	5.8
566.0	1856.5	32.235	90.02	135.0	7.4
567.0	1859.8	32.388	90.30	153.0	8.4
568.0	1863.0	32.538	90.57	150.0	8.2
569.0	1866.3	32.651	90.77	113.0	6.2
570.0	1869.6	32.800	91.04	149.0	8.2
571.0	1872.9	32.994	91.39	194.0	10.8
572.0	1876.2	33.064	91.52	70.0	3.8
573.0	1879.4	33.310	91.96	246.0	13.5
574.0	1882.7	33.438	92.19	128.0	7.0
575.0	1886.0	33.511	92.32	73.0	4.0

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LOCATION: CANYON CITY AMS, ORE.
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HOLE NAME: DANDE
DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
576.0	1889.3	33.650	92.57	139.0	7.6
577.0	1892.6	33.799	92.84	149.0	8.2
578.0	1895.0	33.955	93.12	156.0	8.6
579.0	1899.1	34.075	93.34	120.0	6.6
580.0	1902.4	34.253	93.66	178.0	9.8
581.0	1905.7	34.399	93.92	146.0	8.1
582.0	1909.0	34.567	94.22	168.0	9.3
583.0	1912.2	34.663	94.39	96.0	5.3
584.0	1915.5	34.791	94.62	123.0	6.7
585.0	1918.8	34.853	94.74	62.0	3.4
586.0	1922.1	34.879	94.78	28.0	1.5
587.0	1925.4	34.938	94.89	59.0	3.2
588.0	1928.6	34.995	94.99	57.0	3.1
589.0	1931.9	35.104	95.19	109.0	6.0
590.0	1935.2	35.161	95.29	57.0	3.1
591.0	1938.5	35.273	95.49	112.0	6.1
592.0	1941.8	35.348	95.62	75.0	4.1
593.0	1945.0	35.471	95.85	123.0	6.7
594.0	1948.3	35.542	95.98	71.0	3.9
595.0	1951.6	35.626	96.13	84.0	4.6
596.0	1954.9	35.715	96.29	89.0	4.9
597.0	1958.2	35.782	96.41	67.0	3.7
598.0	1961.4	35.848	96.53	66.0	3.6
599.0	1964.7	35.927	96.67	79.0	4.4
600.0	1968.0	35.979	96.76	52.0	2.9
601.0	1971.3	36.003	96.81	24.0	1.3
602.0	1974.6	36.068	96.93	66.0	3.6
603.0	1977.8	36.074	96.93	6.0	0.3
604.0	1981.1	36.084	96.95	10.0	0.5
605.0	1984.4	36.102	96.98	18.0	1.0
606.0	1987.7	36.122	97.02	20.0	1.1
607.0	1991.0	36.143	97.06	21.0	1.1
608.0	1994.2	36.189	97.14	46.0	2.5
609.0	1997.5	36.212	97.18	23.0	1.2
610.0	2000.8	36.215	97.19	3.0	0.1
611.0	2004.1	36.219	97.19	4.0	0.2
612.0	2007.4	36.225	97.21	6.0	0.3
613.0	2010.6	36.241	97.23	16.0	0.9
614.0	2013.9	36.262	97.27	21.0	1.1
615.0	2017.2	36.296	97.33	34.0	1.9
616.0	2020.5	36.321	97.38	25.0	1.4

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
617.0	2023.8	36.353	97.44	32.0	1.8
618.0	2027.0	36.408	97.53	55.0	3.0
619.0	2030.3	36.452	97.61	44.0	2.4
620.0	2033.6	36.494	97.69	42.0	2.3
621.0	2036.9	36.577	97.84	63.0	4.6
622.0	2040.2	36.725	98.11	148.0	8.1
623.0	2043.4	36.780	98.20	55.0	3.0
624.0	2046.7	36.847	98.32	67.0	3.7
625.0	2050.0	36.868	98.36	21.0	1.2
626.0	2053.3	36.902	98.42	34.0	1.9
627.0	2056.6	36.977	98.56	75.0	4.1
628.0	2059.8	37.057	98.70	80.0	4.4
629.0	2063.1	37.160	98.89	103.0	5.7
630.0	2066.4	37.242	99.04	82.0	4.5
631.0	2069.7	37.327	99.19	85.0	4.7
632.0	2073.0	37.426	99.37	99.0	5.4
633.0	2076.2	37.604	99.69	178.0	9.8
634.0	2079.5	37.689	99.84	85.0	4.7
635.0	2082.8	37.775	99.99	85.0	4.7
636.0	2086.1	37.844	100.12	69.0	3.8
637.0	2089.4	37.946	100.30	102.0	5.6
638.0	2092.6	38.080	100.54	134.0	7.4
639.0	2095.9	38.190	100.74	116.0	6.0
640.0	2099.2	38.284	100.91	94.0	5.2
641.0	2102.5	38.432	101.18	148.0	8.1
642.0	2105.8	38.529	101.35	97.0	5.3
643.0	2109.0	38.646	101.56	117.0	6.4
644.0	2112.3	38.704	101.67	58.0	3.2
645.0	2115.6	38.810	101.86	106.0	5.8
646.0	2118.9	38.884	101.99	74.0	4.1
647.0	2122.2	38.979	102.16	95.0	5.2
648.0	2125.4	39.064	102.32	85.0	4.7
649.0	2128.7	39.136	102.44	72.0	4.0
650.0	2132.0	39.277	102.70	141.0	7.7
651.0	2135.3	39.298	102.74	21.0	1.2
652.0	2138.6	39.363	102.85	65.0	3.6
653.0	2141.8	39.442	103.00	79.0	4.3
654.0	2145.1	39.526	103.15	84.0	4.6
655.0	2148.4	39.607	103.29	81.0	4.4
656.0	2151.7	39.697	103.45	90.0	4.9
657.0	2155.0	39.751	103.55	54.0	3.0

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LOCATION: CANYON CITY AMS, ORE.

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HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
658.0	2158.2	39.826	103.69	75.0	4.4
659.0	2161.5	39.875	103.78	49.0	2.1
660.0	2164.0	39.957	103.92	82.0	4.4
661.0	2168.1	40.039	104.07	82.0	4.4
662.0	2171.4	40.115	104.21	82.0	4.4
663.0	2174.6	40.157	104.28	76.0	4.4
664.0	2177.9	40.202	104.36	42.0	2.1
665.0	2181.2	40.292	104.53	45.0	2.1
666.0	2184.5	40.352	104.63	90.0	4.4
667.0	2187.8	40.413	104.74	60.0	3.0
668.0	2191.0	40.474	104.85	61.0	3.0
669.0	2194.3	40.558	105.00	61.0	3.0
670.0	2197.6	40.606	105.09	84.0	4.4
671.0	2200.9	40.652	105.17	46.0	2.1
672.0	2204.2	40.714	105.28	46.0	2.1
673.0	2207.4	40.764	105.38	62.0	3.0
674.0	2210.7	40.812	105.46	50.0	2.1
675.0	2214.0	40.875	105.58	48.0	2.1
676.0	2217.3	40.926	105.67	63.0	3.0
677.0	2220.6	41.001	105.80	51.0	2.1
678.0	2223.9	41.053	105.90	70.0	3.0
679.0	2227.1	41.089	105.96	52.0	2.1
680.0	2230.4	41.134	106.04	36.0	1.8
681.0	2233.7	41.185	106.13	45.0	2.1
682.0	2237.0	41.246	106.24	51.0	2.1
683.0	2240.3	41.297	106.33	61.0	3.0
684.0	2243.6	41.341	106.41	51.0	2.1
685.0	2246.9	41.389	106.50	44.0	2.1
686.0	2250.1	41.438	106.59	46.0	2.1
687.0	2253.4	41.480	106.66	49.0	2.1
688.0	2256.7	41.521	106.74	42.0	2.1
689.0	2259.9	41.562	106.81	41.0	2.1
690.0	2263.2	41.620	106.92	41.0	2.1
691.0	2266.5	41.674	107.01	58.0	3.0
692.0	2269.8	41.704	107.07	54.0	2.1
693.0	2273.0	41.739	107.13	30.0	1.8
694.0	2276.3	41.785	107.21	36.0	1.8
695.0	2279.6	41.842	107.32	46.0	2.1
696.0	2282.9	41.897	107.41	57.0	3.0
697.0	2286.2	41.942	107.50	55.0	3.0
698.0	2289.4	41.982	107.57	45.0	2.1

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LOCATION: CANYON CITY AMS, ORE.
16S/32E-34BC

PAGE 18

HOLE NAME: DANDE
DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
699.0	2292.7	42.032	107.66	50.0	2.7
700.0	2296.0	42.062	107.71	30.0	1.6
701.0	2299.3	42.111	107.80	49.0	2.7
702.0	2302.6	42.155	107.88	44.0	2.4
703.0	2305.8	42.176	107.92	21.0	1.1
704.0	2309.1	42.206	107.97	30.0	1.6
705.0	2312.4	42.272	108.09	66.0	3.6
706.0	2315.7	42.320	108.18	48.0	2.6
707.0	2319.0	42.359	108.25	39.0	2.1
708.0	2322.2	42.393	108.31	24.0	1.3
709.0	2325.5	42.415	108.35	22.0	1.2
710.0	2328.8	42.466	108.44	51.0	2.8
711.0	2332.1	42.509	108.52	43.0	2.4
712.0	2335.4	42.566	108.62	57.0	3.1
713.0	2338.6	42.607	108.69	41.0	2.3
714.0	2341.9	42.653	108.78	46.0	2.5
715.0	2345.2	42.690	108.84	37.0	2.0
716.0	2348.5	42.735	108.92	45.0	2.5
717.0	2351.8	42.780	109.00	45.0	2.5
718.0	2355.0	42.817	109.07	37.0	2.0
719.0	2358.3	42.881	109.19	64.0	3.5
720.0	2361.6	42.927	109.27	46.0	2.5
721.0	2364.9	42.957	109.32	30.0	1.6
722.0	2368.2	43.012	109.42	55.0	3.0
723.0	2371.4	43.046	109.48	34.0	1.9
724.0	2374.7	43.095	109.57	49.0	2.7
725.0	2378.0	43.124	109.62	29.0	1.6
726.0	2381.3	43.183	109.73	59.0	3.2
727.0	2384.6	43.217	109.79	34.0	1.9
728.0	2387.8	43.267	109.88	50.0	2.7
729.0	2391.1	43.295	109.93	29.0	1.6
730.0	2394.4	43.350	110.03	55.0	3.0
731.0	2397.7	43.406	110.13	56.0	3.1
732.0	2401.0	43.432	110.18	26.0	1.4
733.0	2404.2	43.472	110.25	40.0	2.2
734.0	2407.5	43.514	110.33	42.0	2.3
735.0	2410.8	43.556	110.40	42.0	2.3
736.0	2414.1	43.600	110.48	44.0	2.4
737.0	2417.4	43.657	110.58	57.0	3.1
738.0	2420.6	43.688	110.64	31.0	1.7
739.0	2423.9	43.726	110.71	38.0	2.1

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LOCATION: CANYON CITY AMS, ORE.

PAGE 19

16S/32E-34BC

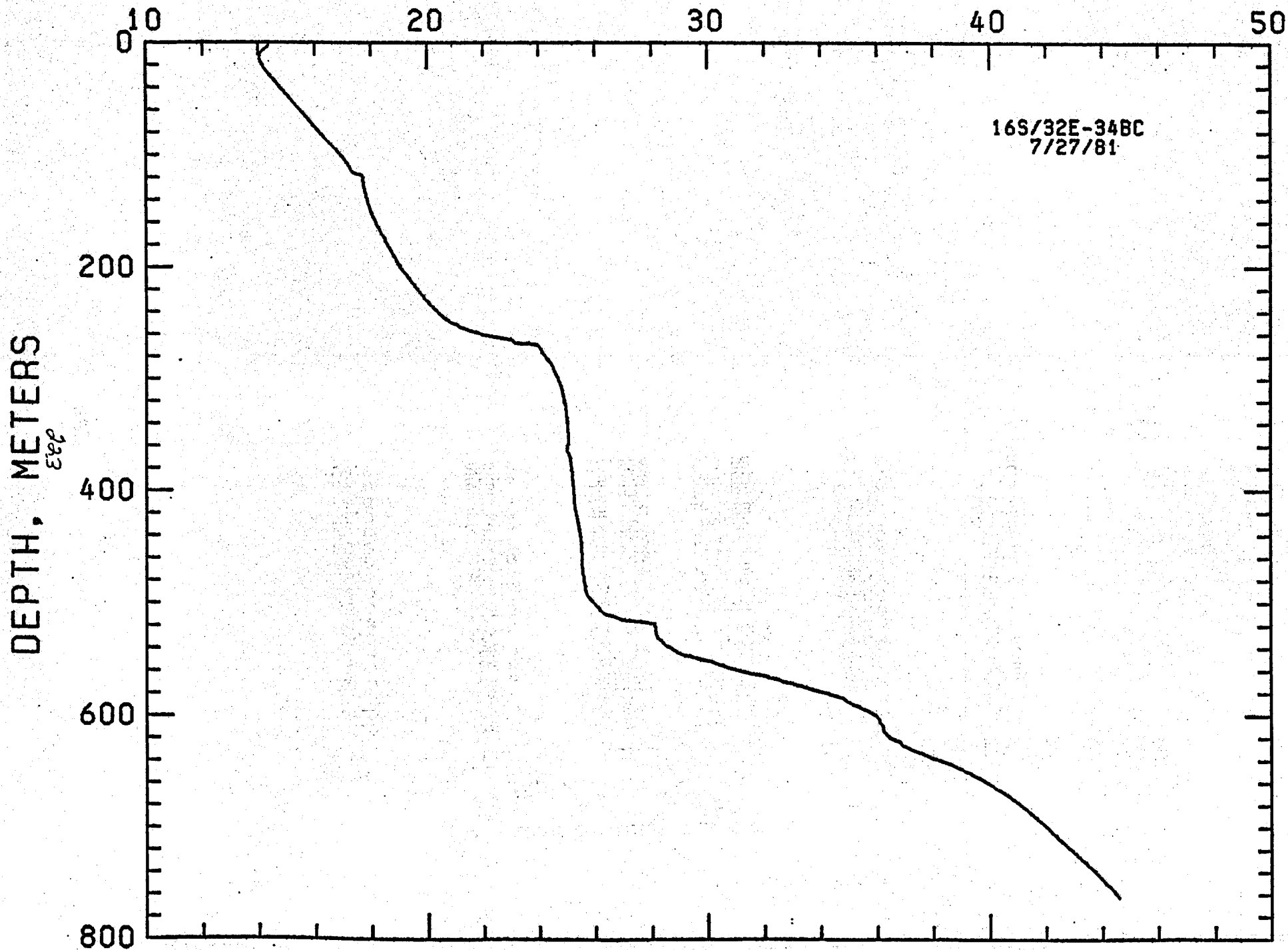
HOLE NAME: DANDE

DATE MEASURED: 7/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
740.0	2427.2	43.771	110.79	45.0	2.5
741.0	2430.6	43.836	110.90	45.0	2.6
742.0	2433.9	43.858	110.94	45.0	2.6
743.0	2437.0	43.880	110.98	45.0	2.6
744.0	2440.0	43.916	111.05	45.0	2.6
745.0	2443.6	43.970	111.15	45.0	2.6
746.0	2446.9	44.020	111.24	45.0	2.7
747.0	2450.2	44.045	111.28	45.0	2.7
748.0	2453.4	44.073	111.33	45.0	2.7
749.0	2456.7	44.111	111.40	45.0	2.7
750.0	2460.0	44.149	111.47	45.0	2.7
751.0	2463.3	44.176	111.52	45.0	2.7
752.0	2466.6	44.230	111.61	45.0	2.7
753.0	2469.9	44.280	111.70	45.0	2.7
754.0	2473.1	44.320	111.78	45.0	2.7
755.0	2476.4	44.344	111.82	45.0	2.7
756.0	2479.7	44.398	111.92	45.0	2.7
757.0	2483.0	44.427	111.97	45.0	2.7
758.0	2486.3	44.448	112.01	45.0	2.7
759.0	2489.6	44.485	112.07	45.0	2.7
760.0	2492.9	44.519	112.13	45.0	2.7
761.0	2496.1	44.569	112.22	45.0	2.7
762.0	2499.4	44.577	112.24	45.0	2.7

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TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON
18S/45E-20DD

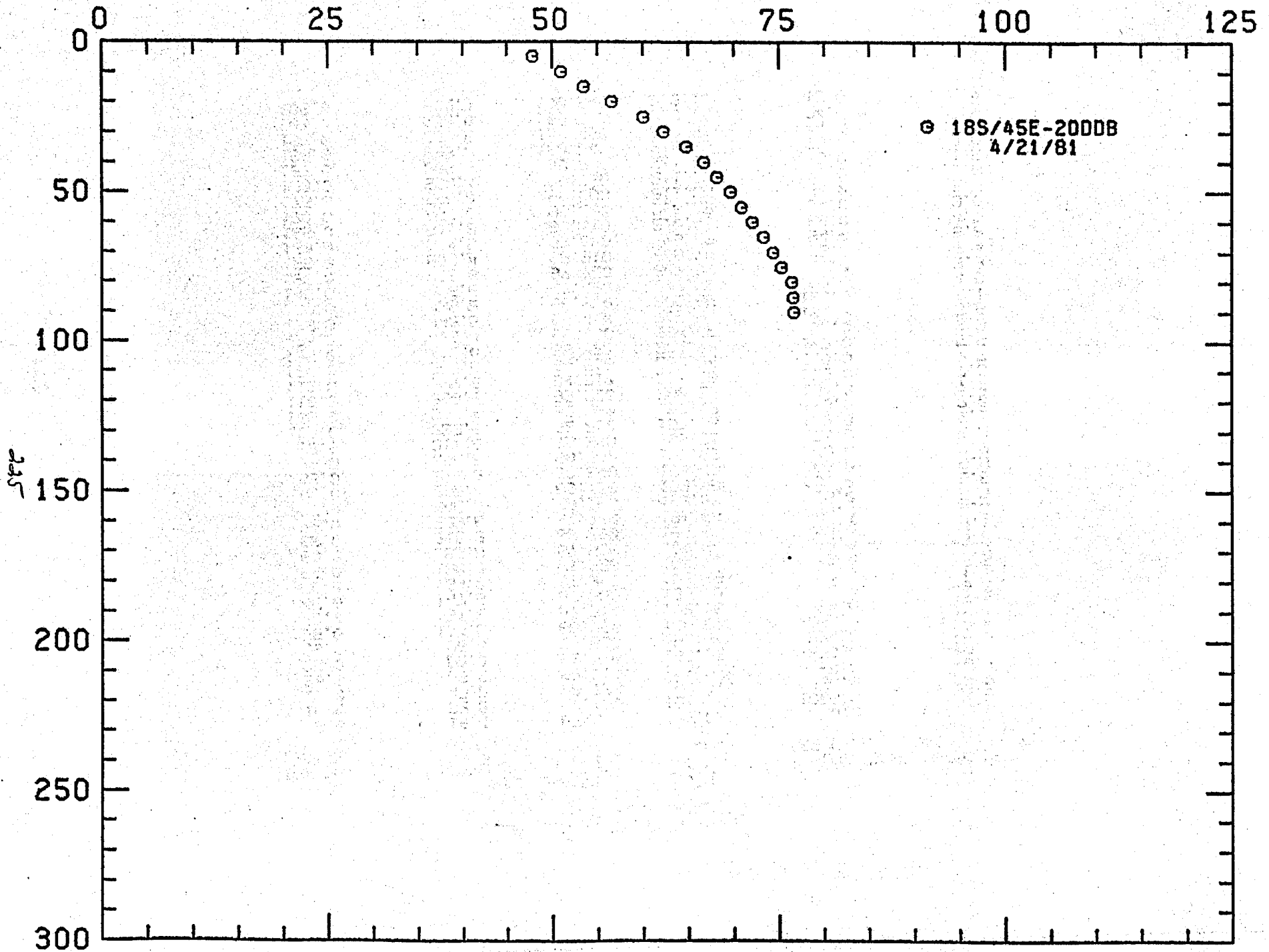
HOLE NAME: ANTHONY
DATE MEASURED: 4/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	47.880	118.18	0.0	0.0
10.0	32.8	50.980	123.76	620.0	34.0
15.0	49.2	53.500	128.30	504.0	27.7
20.0	65.6	56.560	133.81	612.0	33.6
25.0	82.0	60.080	140.14	704.0	38.6
30.0	98.4	62.310	144.16	446.0	24.5
35.0	114.8	64.770	148.59	492.0	27.0
40.0	131.2	66.730	152.11	392.0	21.5
45.0	147.6	68.170	154.71	288.0	15.5
50.0	164.0	69.670	157.41	300.0	16.5
55.0	180.4	70.830	159.49	232.0	12.7
60.0	196.8	72.090	161.76	252.0	13.5
65.0	213.2	73.300	163.94	242.0	13.0
70.0	229.6	74.350	165.83	210.0	11.5
75.0	246.0	75.320	167.58	194.0	10.6
80.0	262.4	76.450	169.61	226.0	12.4
85.0	278.8	76.570	169.83	24.0	1.3
90.0	295.2	76.620	169.92	10.0	0.5

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TEMPERATURE, DEG C

DEPTH, METERS



LOCATION: BOISE AMS, OREGON

18S/45E-20DDC1

HOLE NAME: FLORAL 1

DATE MEASURED: 4/21/81

DEPTH
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DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0
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623.2
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85.480 185.86
90.480 194.86
92.730 198.91
92.710 198.88
91.310 196.36
89.690 193.44
88.260 190.87
87.310 189.16
87.250 189.10
87.990 189.28
87.620 189.72
87.910 190.24
88.280 190.90
88.700 191.66
89.180 192.53
89.710 193.48
90.240 194.43
90.740 195.69
91.560 196.81
92.210 197.98
92.850 199.13
93.520 200.34
94.210 201.58
94.910 202.84
95.420 203.76
95.900 204.62
96.410 205.54
96.970 206.55
97.420 207.56
97.720 207.90
98.210 208.78
98.680 209.62
99.110 210.40
99.380 210.88
99.600 211.28
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LOCATION: BOISE AMS, OREGON
18S/45E-20DDC1

PAGE 2

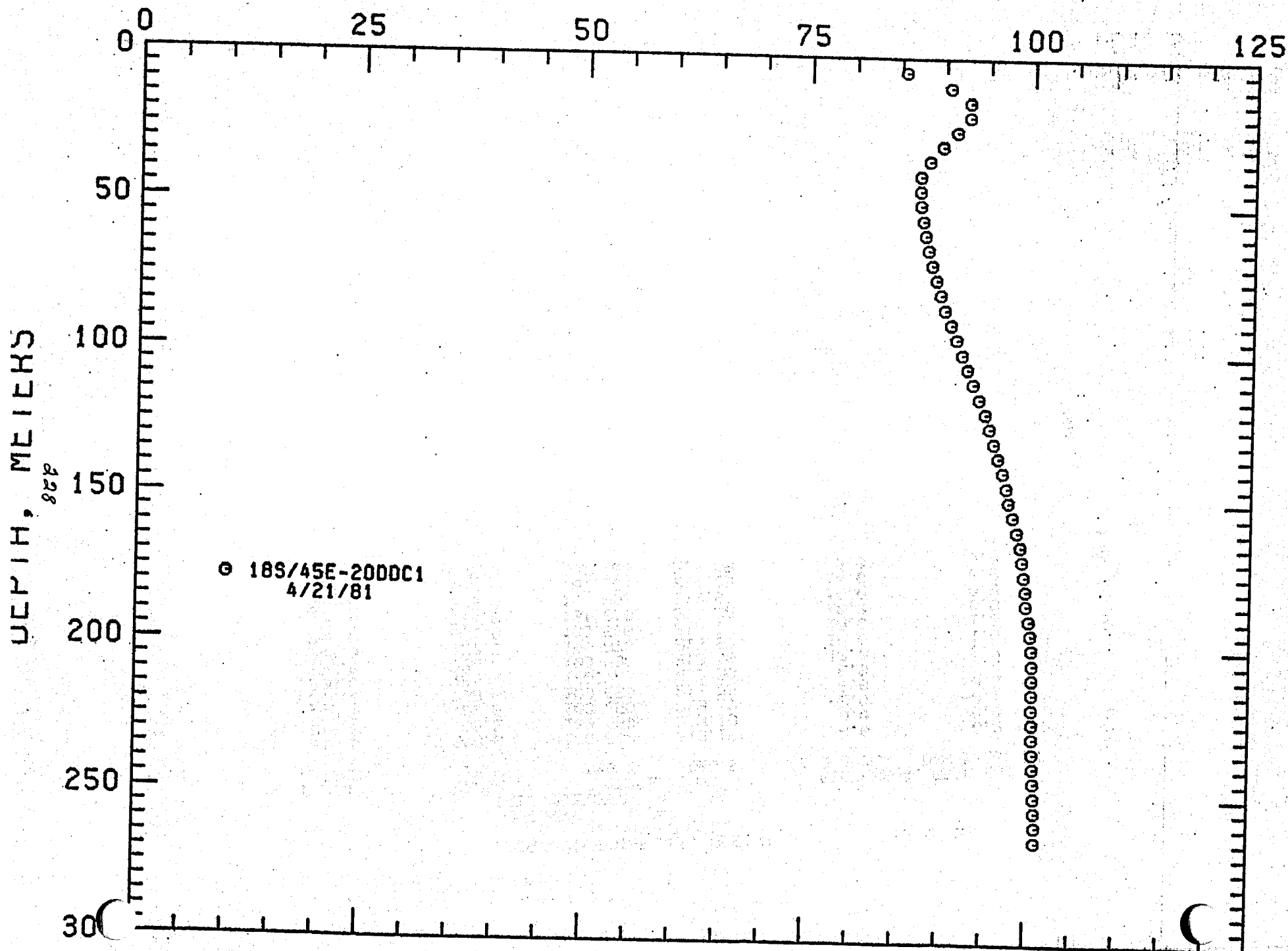
HOLE NAME: FLORAL 1

DATE MEASURED: 4/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
210.0	688.8	100.650	213.19	4.0	0.2
215.0	705.2	100.650	213.19	0.0	0.0
220.0	721.6	100.650	213.17	0.0	0.0
225.0	738.0	100.680	213.22	0.0	0.1
230.0	754.4	100.720	213.30	0.0	0.3
235.0	770.8	100.780	213.40	0.0	0.4
240.0	787.2	100.870	213.57	12.0	0.7
245.0	803.6	100.950	213.73	18.0	1.0
250.0	820.0	101.010	213.82	18.0	1.0
255.0	836.4	101.090	213.96	18.0	0.9
260.0	852.8	101.160	214.09	16.0	0.8
265.0	869.2	101.160	214.09	14.0	0.8
				0.0	0.0

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TEMPERATURE, DEG C

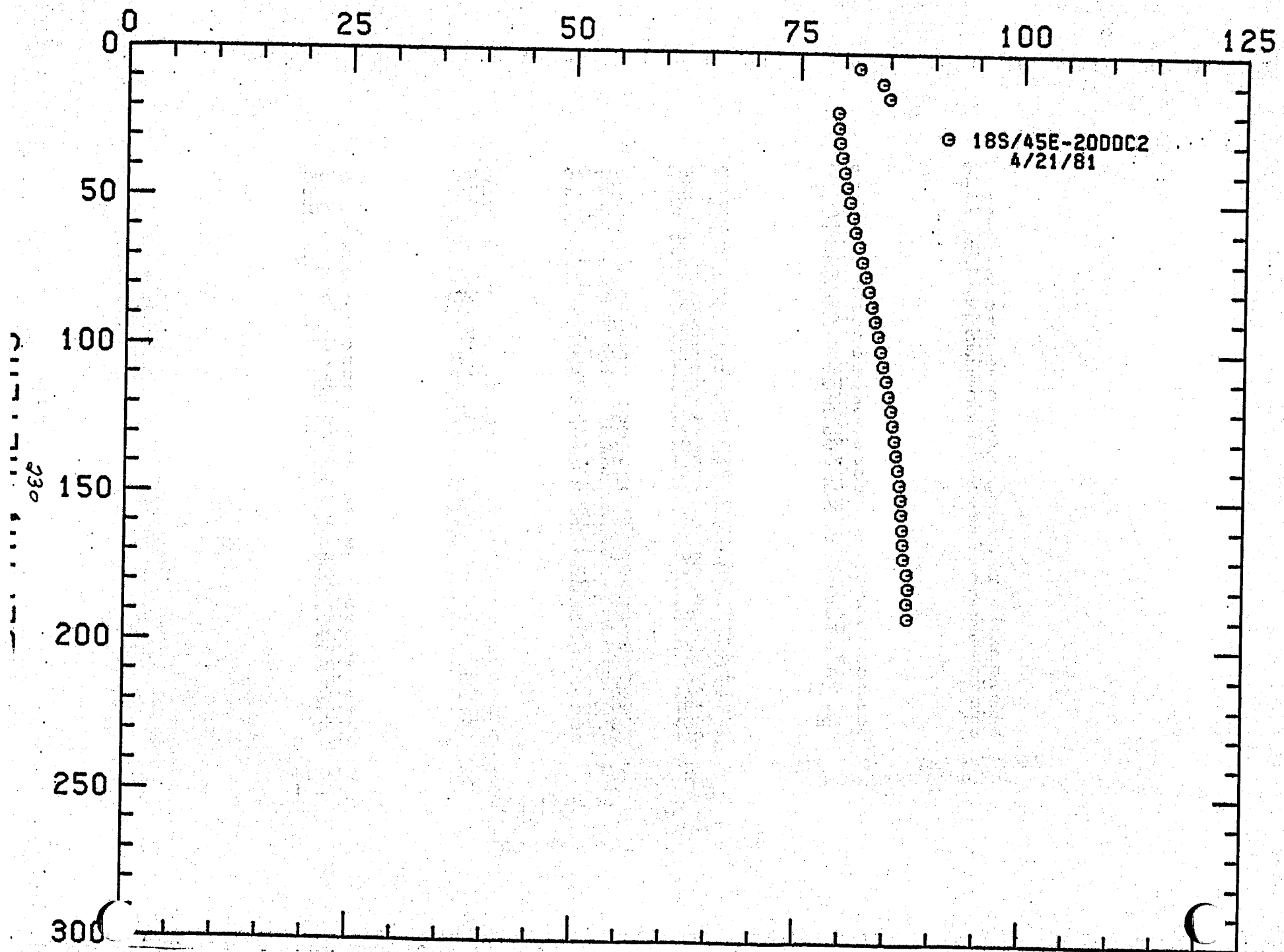


LOCATION: BOISE AMS, OREGON
 18S/45E-20DDC2
 HOLE NAME: FLORAL 2
 DATE MEASURED: 4/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	81.540	178.77	0.0	0.0
10.0	32.8	84.150	183.47	522.0	288.6
15.0	49.2	84.950	184.91	160.0	288.6
20.0	65.6	79.220	174.60	-1146.0	288.6
25.0	82.0	79.290	174.72	14.0	288.6
30.0	98.4	79.460	175.03	34.0	288.6
35.0	114.8	79.730	175.51	54.0	288.6
40.0	131.2	80.020	176.04	58.0	288.6
45.0	147.6	80.320	176.58	60.0	288.6
50.0	164.0	80.650	177.17	66.0	288.6
55.0	180.4	80.980	177.76	66.0	288.6
60.0	196.8	81.310	178.36	66.0	288.6
65.0	213.2	81.680	179.02	74.0	288.6
70.0	229.6	82.100	179.78	84.0	288.6
75.0	246.0	82.520	180.54	84.0	288.6
80.0	262.4	82.880	181.18	72.0	288.6
85.0	278.8	83.210	181.78	66.0	288.6
90.0	295.2	83.590	182.46	76.0	288.6
95.0	311.6	83.910	183.04	64.0	288.6
100.0	328.0	84.280	183.56	58.0	288.6
105.0	344.4	84.530	184.15	66.0	288.6
110.0	360.8	84.840	184.71	62.0	288.6
115.0	377.2	85.110	185.20	54.0	288.6
120.0	393.6	85.400	185.72	58.0	288.6
125.0	410.0	85.640	186.15	48.0	288.6
130.0	426.4	85.870	186.57	46.0	288.6
135.0	442.8	86.070	186.93	40.0	288.6
140.0	459.2	86.290	187.32	44.0	288.6
145.0	475.6	86.470	187.66	36.0	288.6
150.0	492.0	86.620	187.92	38.0	288.6
155.0	508.4	86.740	188.13	24.0	288.6
160.0	524.8	86.840	188.31	28.0	288.6
165.0	541.2	86.920	188.46	16.0	288.6
170.0	557.6	86.980	188.56	12.0	288.6
175.0	574.0	87.420	189.36	88.0	288.6
180.0	590.4	87.550	189.59	26.0	288.6
185.0	606.8	87.460	189.43	-18.0	288.6
190.0	623.2	87.470	189.45	2.0	288.6

124

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON
18S/45E-20DDC3

HOLE NAME: FLORAL 3

DATE MEASURED: 4/21/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE

DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

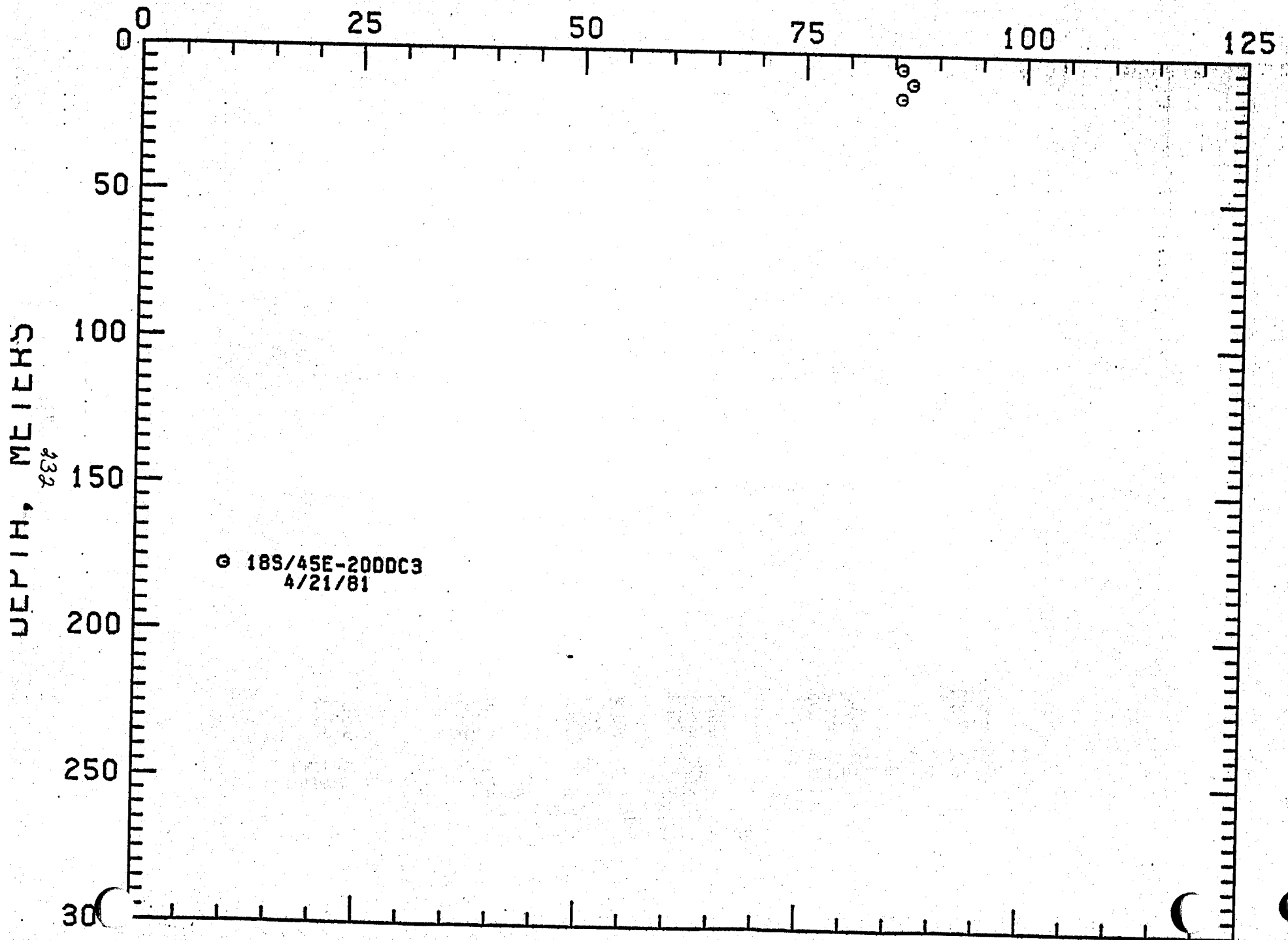
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15.0

16.4
32.8
49.2

85.800 186.44
86.970 188.55
85.770 186.39

0.0 0.0
234.0 12.8
-240.0 -13.2

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

18S/45E-20DDC4

HOLE NAME: FLORAL 5

DATE MEASURED: 4/21/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C

TEMPERATURE
DEG F

GEOTHERMAL GRADIENT
DEG C/KM

GEOTHERMAL GRADIENT
DEG F/100 FT

10.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
65.0
70.0
75.0
80.0

32.8
65.6
82.0
98.4
114.8
131.2
147.6
164.0
180.4
196.8
213.2
229.6
246.0
262.4

89.990
98.330
104.520
107.060
107.080
103.920
102.680
101.250
100.630
100.130
99.720
99.400
99.210
99.160

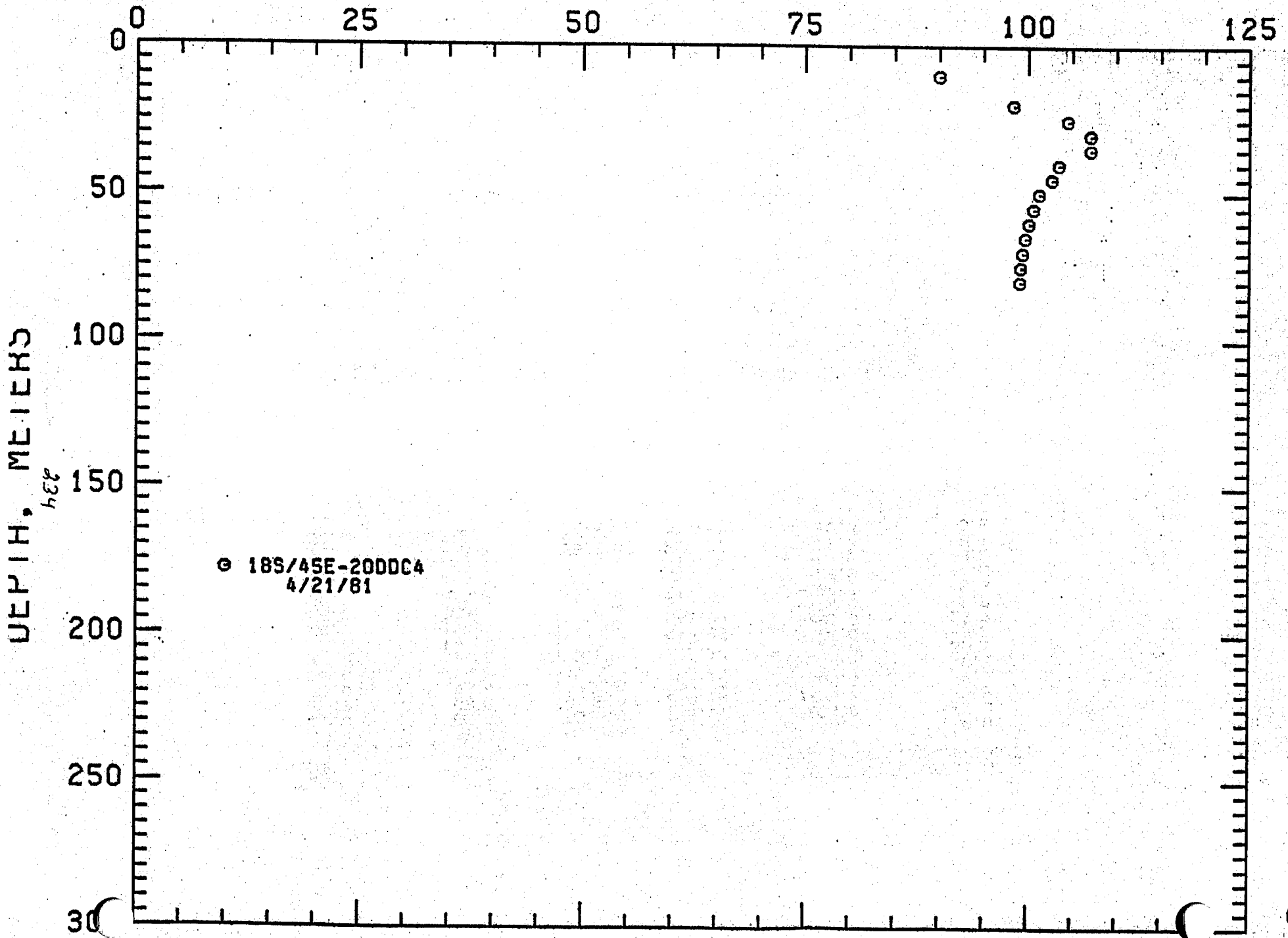
193.98
208.99
220.14
224.71
224.74
218.34
216.82
214.25
213.13
212.23
211.50
210.92
210.58
210.49

0.0
834.0
1238.0
508.0
-4.0
-712.0
-168.0
-286.0
-124.0
-100.0
-82.0
-64.0
-38.0
-10.0

0.0
45.8
57.9
27.9
0.2
-9.2
-15.2
-11.4
-16.6
-16.6
-14.4
-11.4
-8.4
-5.4
-2.4

333

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

18S/45E-29ABA1

HOLE NAME: BUTLER59

DATE MEASURED: 4/20/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

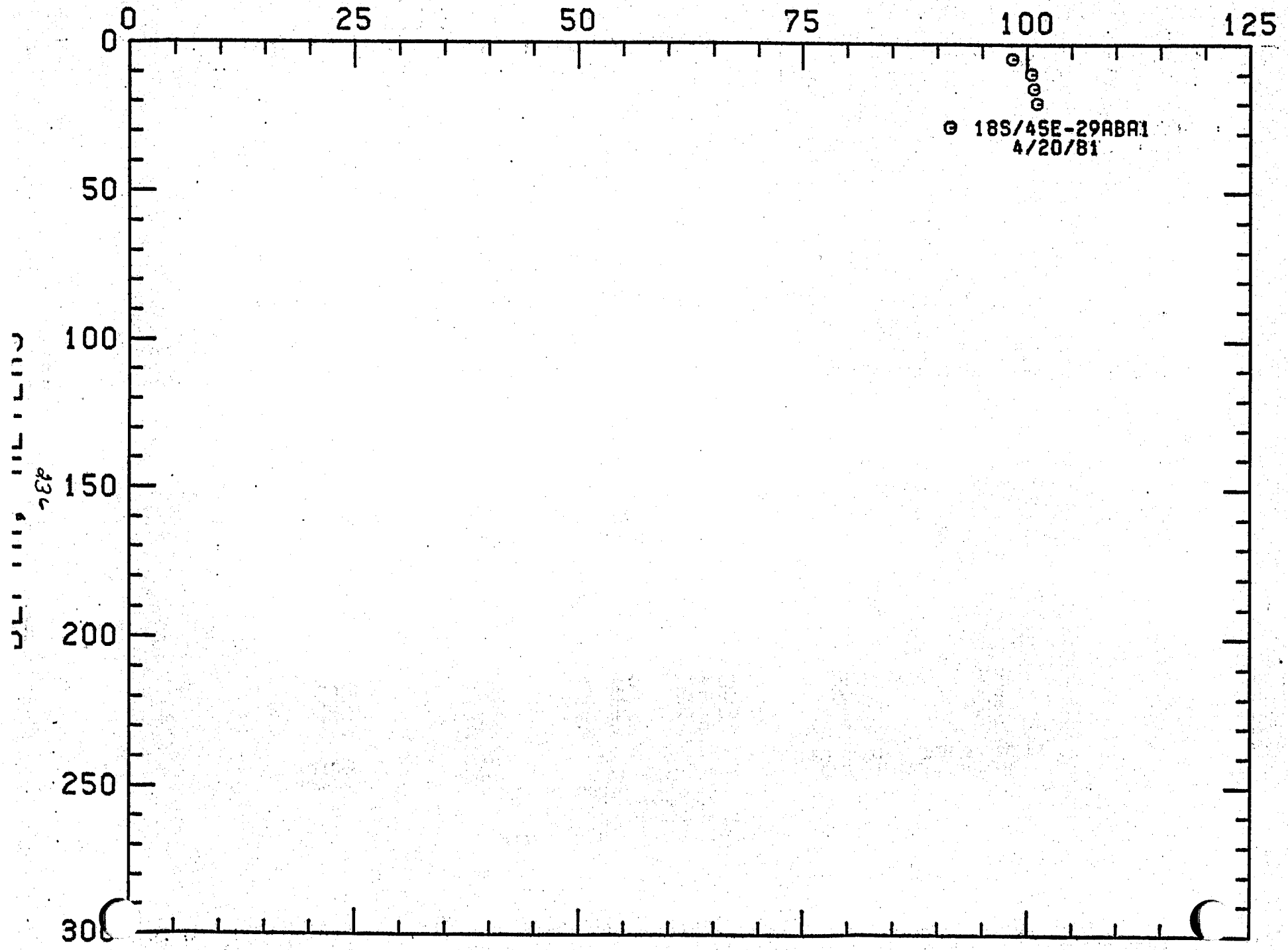
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10.0
15.0
20.0

16.4
32.8
49.2
65.6

98.390 209.10
100.490 212.88
100.780 213.40
101.160 214.09

0.0 0.0
420.0 23.0
58.0 3.2
76.0 4.2

TEMPERATURE, DEG C



18S/45E-29ABA1
4/20/81

LOCATION: BOISE AMS, OREGON

18S/45E-29ABA2

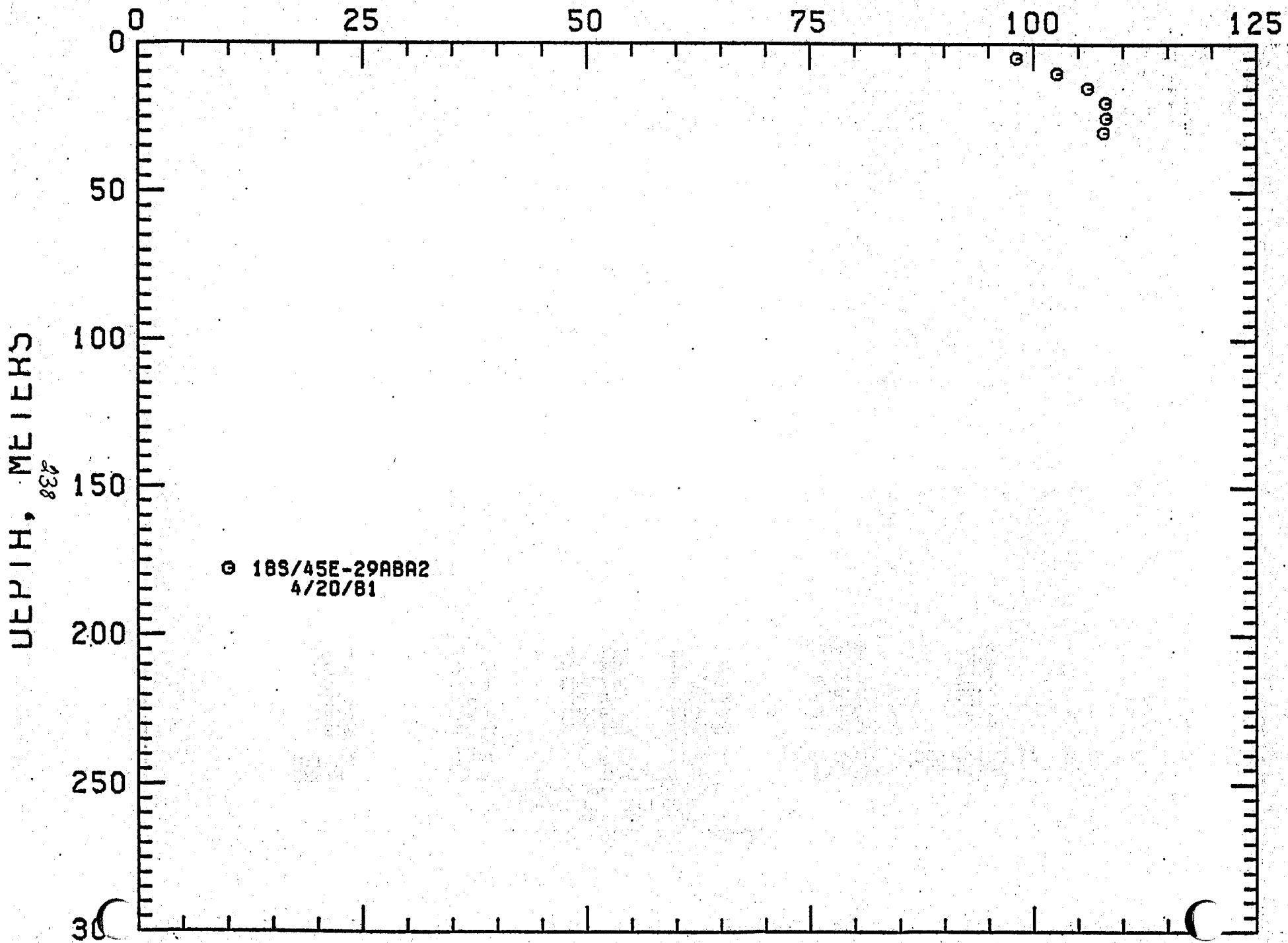
HOLE NAME: BUTLER-1

DATE MEASURED: 4/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	98.140	208.65	0.0	0.0
10.0	32.8	102.610	216.70	894.0	49.1
15.0	49.2	106.070	222.93	692.0	38.0
20.0	65.6	108.050	226.49	396.0	21.7
25.0	82.0	108.120	226.62	14.0	0.8
30.0	98.4	107.850	226.13	-54.0	-3.0

437

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

18S/45E-29ABA3

HOLE NAME: BUTLER-2

DATE MEASURED: 4/20/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0
10.0
15.0
20.0
25.0
30.0

16.4
32.8
49.2
65.6
82.0
98.4

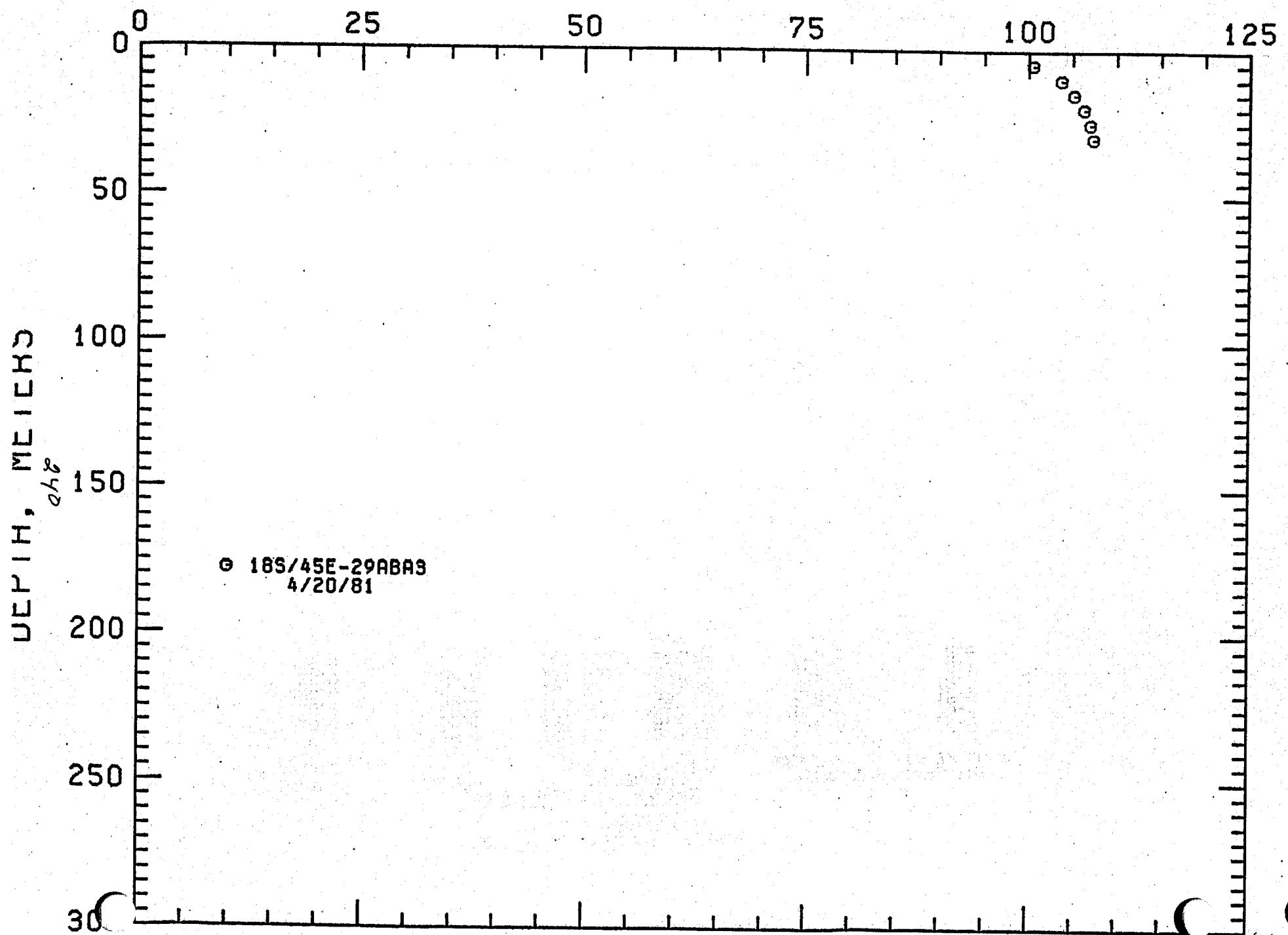
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103.740
105.150
106.290
107.030
107.380

212.95
218.73
221.27
223.32
224.65
225.28

0.0
642.0
282.0
228.0
148.0
70.0

35.0
17.5
12.5
9.1
3.8

TEMPERATURE, DEG C



LOCATION: BAKER AMS, ORE.
 18S/47E- 3
 HOLE NAME: ORE-1DA
 DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	20.307	68.55	0.0	0.0
10.0	32.8	20.646	69.16	67.8	3.7
15.0	49.2	20.999	69.80	70.6	3.9
20.0	65.6	21.392	70.51	78.6	4.3
25.0	82.0	21.780	71.20	77.6	4.3
30.0	98.4	22.165	71.90	77.0	4.2
35.0	114.8	22.554	72.60	77.8	4.3
40.0	131.2	22.919	73.25	73.0	4.0
45.0	147.6	23.301	73.94	76.4	4.2
50.0	164.0	23.678	74.62	75.4	4.1
55.0	180.4	24.035	75.26	71.4	3.9
60.0	196.8	24.463	76.03	85.6	4.7
65.0	213.2	24.810	76.66	69.4	3.8
70.0	229.6	25.245	77.44	87.0	4.8
75.0	246.0	25.648	78.17	80.6	4.4
80.0	262.4	26.070	78.93	84.4	4.6
85.0	278.8	26.431	79.58	72.2	4.0
90.0	295.2	26.785	80.21	78.8	3.9
95.0	311.6	27.201	80.96	83.2	4.6
100.0	328.0	27.647	81.76	89.2	4.9
105.0	344.4	28.033	82.46	77.2	4.2
110.0	360.8	28.414	83.15	76.2	4.2
115.0	377.2	28.780	83.80	73.2	4.0
120.0	393.6	29.225	84.61	89.0	4.9
125.0	410.0	29.607	85.29	76.4	4.2
130.0	426.4	30.064	86.12	91.4	5.0
135.0	442.8	30.441	86.79	75.4	4.1
140.0	459.2	30.836	87.50	79.0	4.3
145.0	475.6	31.245	88.24	81.8	4.5
150.0	492.0	31.636	88.94	78.2	4.3
155.0	508.4	32.061	89.71	85.0	4.7
160.0	524.8	32.400	90.32	67.8	3.7
165.0	541.2	32.846	91.12	89.2	4.9
170.0	557.6	33.230	91.81	76.8	4.2
175.0	574.0	33.636	92.54	81.2	4.5
180.0	590.4	34.042	93.28	81.2	4.5
185.0	606.8	34.397	93.91	71.0	3.9
190.0	623.2	34.797	94.63	80.0	4.4
195.0	639.6	35.201	95.36	80.8	4.4
200.0	656.0	35.603	96.09	80.4	4.4
205.0	672.4	35.987	96.78	76.8	4.2

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LOCATION: BAKER AMS, ORE.

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PAGE 2

HOLE NAME: ORE-1DA
DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
210.0	688.8	36.343	97.42	71.2	3.9
215.0	705.2	36.711	98.08	73.6	4.0
220.0	721.6	37.142	98.85	76.2	4.7
225.0	738.0	37.516	99.53	74.8	4.1
230.0	754.4	37.886	100.19	74.0	4.1
235.0	770.8	38.247	100.84	72.2	4.0
240.0	787.2	38.641	101.55	78.8	4.3
245.0	803.6	39.034	102.26	78.6	4.3
250.0	820.0	39.449	103.01	83.0	4.6
255.0	836.4	39.829	103.69	76.0	4.2
260.0	852.8	40.216	104.39	77.4	4.2
265.0	869.2	40.598	105.08	76.4	4.2
270.0	885.6	41.032	105.86	86.8	4.9
275.0	902.0	41.474	106.65	88.4	4.9
280.0	918.4	41.965	107.54	98.2	5.4
285.0	934.8	42.411	108.34	89.2	4.9
290.0	951.2	42.902	109.22	98.2	5.4
295.0	967.6	43.319	109.97	100.4	5.6
300.0	984.0	43.713	110.68	78.8	4.4
305.0	1000.4	44.191	111.54	95.6	5.2
310.0	1016.8	44.595	112.27	88.8	4.4
315.0	1033.2	45.139	113.25	88.8	4.4
320.0	1049.6	45.889	114.60	108.8	6.0
325.0	1066.0	46.317	115.37	158.0	8.2
330.0	1082.4	47.052	116.69	85.6	4.4
335.0	1098.8	47.724	117.90	147.0	8.1
340.0	1115.2	48.123	118.62	134.4	7.4
345.0	1131.6	48.517	119.33	79.8	4.4
350.0	1148.0	48.933	120.08	78.8	4.4
355.0	1164.4	49.274	120.69	88.8	4.6
360.0	1180.8	49.675	121.42	88.8	4.6
365.0	1197.2	50.055	122.10	88.8	4.4
370.0	1213.6	50.445	122.80	76.0	4.2
375.0	1230.0	50.829	123.49	78.0	4.4
380.0	1246.4	51.184	124.13	76.0	4.2
385.0	1262.8	51.561	124.81	71.0	4.3
390.0	1279.2	51.902	125.42	75.4	4.1
395.0	1295.6	52.249	126.05	69.2	3.7
400.0	1312.0	52.660	126.79	88.8	4.6
405.0	1328.4	53.003	127.41	88.8	4.6
410.0	1344.8	53.382	128.09	78.8	4.2

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LOCATION: BAKER AMS, ORE.

PAGE 3

18S/47E- 3

HOLE NAME: ORE-1DA

DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
415.0	1361.2	53.762	128.77	76.0	4.2
420.0	1377.6	54.120	129.42	71.6	3.9
425.0	1394.0	54.484	130.07	72.8	4.0
430.0	1410.4	54.818	130.67	66.8	3.7
435.0	1426.8	55.220	131.40	80.4	4.4
440.0	1443.2	55.583	132.05	72.6	4.0
445.0	1459.6	55.938	132.69	71.0	3.9
450.0	1476.0	56.304	133.35	73.2	4.0
455.0	1492.4	56.672	134.01	73.6	4.0
460.0	1508.8	57.016	134.63	68.8	3.8
465.0	1525.2	57.418	135.35	80.4	4.4
470.0	1541.6	57.787	136.02	73.8	4.1
475.0	1558.0	58.154	136.68	73.4	4.0
480.0	1574.4	58.493	137.29	67.8	3.7
485.0	1590.8	58.877	137.98	76.8	4.2
490.0	1607.2	59.262	138.67	77.0	4.2
495.0	1623.6	59.628	139.33	73.2	4.0
500.0	1640.0	60.001	140.00	74.6	4.1
505.0	1656.4	60.348	140.63	69.4	3.8
510.0	1672.8	60.698	141.26	70.0	3.8
515.0	1689.2	61.062	141.91	72.8	4.0
520.0	1705.6	61.444	142.60	76.4	4.2
525.0	1722.0	61.783	143.21	67.8	3.7
530.0	1738.4	62.147	143.86	72.8	4.0
535.0	1754.8	62.492	144.49	69.0	3.8
540.0	1771.2	62.854	145.14	72.4	4.0
545.0	1787.6	63.182	145.73	65.6	3.6
550.0	1804.0	63.515	146.33	66.6	3.7
555.0	1820.4	63.901	147.02	77.2	4.2
560.0	1836.8	64.244	147.64	68.6	3.8
565.0	1853.2	64.601	148.28	71.4	3.9
570.0	1869.6	64.958	148.92	71.4	3.9
575.0	1886.0	65.355	149.64	79.4	4.4
580.0	1902.4	65.717	150.29	72.4	4.0
585.0	1918.8	66.126	151.03	81.8	4.5
590.0	1935.2	66.606	151.89	96.0	5.3
595.0	1951.6	67.153	152.88	109.4	6.0
600.0	1968.0	67.523	153.54	74.0	4.1
605.0	1984.4	67.893	154.21	74.0	4.1
610.0	2000.8	68.238	154.83	69.0	3.8
615.0	2017.2	68.618	155.51	76.0	4.2

243

LOCATION: BAKER AMS, ORE.
18S/47E-3

PAGE 4

HOLE NAME: ORE-1DA
DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
620.0	2033.6	69.015	156.23	79.4	4.4
625.0	2050.0	69.347	156.82	66.4	3.6
630.0	2066.4	69.725	157.51	75.6	4.1
635.0	2082.8	70.099	158.18	74.8	4.1
640.0	2099.2	70.445	158.80	69.2	3.8
645.0	2115.6	70.803	159.45	71.6	3.9
650.0	2132.0	71.171	160.11	73.6	4.0
655.0	2148.4	71.557	160.80	77.2	4.2
660.0	2164.8	71.907	161.43	70.0	3.8
665.0	2181.2	72.262	162.07	71.0	3.9
670.0	2197.6	72.670	162.81	81.6	4.4
675.0	2214.0	73.057	163.50	77.4	4.2
680.0	2230.4	73.414	164.15	71.4	3.9
685.0	2246.8	73.790	164.82	75.2	4.1
690.0	2263.2	74.164	165.50	74.8	4.1
695.0	2279.6	74.516	166.13	70.4	3.9
700.0	2296.0	74.904	166.83	77.6	4.3
705.0	2312.4	75.275	167.50	74.2	4.1
710.0	2328.8	75.659	168.19	76.8	4.2
715.0	2345.2	76.043	168.88	76.8	4.2
720.0	2361.6	76.411	169.54	73.6	4.0
725.0	2378.0	76.785	170.21	74.8	4.1
730.0	2394.4	77.136	170.84	76.2	4.1
735.0	2410.8	77.567	171.62	86.2	4.7
740.0	2427.2	77.931	172.28	72.8	4.0
745.0	2443.6	78.308	172.95	75.4	4.1
750.0	2460.0	78.706	173.67	79.6	4.4
755.0	2476.4	79.077	174.34	74.2	4.1
760.0	2492.8	79.424	174.96	69.4	3.8
765.0	2509.2	79.790	175.62	73.2	4.0
770.0	2525.6	80.159	176.29	73.8	4.0
775.0	2542.0	80.540	176.97	76.2	4.2
780.0	2558.4	80.894	177.61	70.8	3.9
785.0	2574.8	81.283	178.31	77.8	4.3
790.0	2591.2	81.655	178.98	74.4	4.1
795.0	2607.6	82.034	179.66	75.8	4.2
800.0	2624.0	82.397	180.31	72.8	4.0
805.0	2640.4	82.770	180.99	74.6	4.1
810.0	2656.8	83.160	181.69	78.0	4.3
815.0	2673.2	83.503	182.31	68.6	3.8
820.0	2689.6	83.844	182.92	68.2	3.7

h4c

LOCATION: BAKER AMS, ORE.

PAGE 5

18S/47E-3

HOLE NAME: ORE-1DA

DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
825.0	2706.0	84.226	183.61	76.4	4.2
830.0	2722.4	84.569	184.22	68.6	3.8
835.0	2738.8	84.912	184.84	68.6	3.8
840.0	2755.2	85.274	185.49	72.4	4.0
845.0	2771.6	85.634	186.14	72.0	4.0
850.0	2788.0	85.998	186.80	72.8	4.0
855.0	2804.4	86.335	187.40	67.4	3.7
860.0	2820.8	86.705	188.07	74.0	4.1
865.0	2837.2	87.006	188.61	68.2	3.8
870.0	2853.6	87.397	189.31	78.2	4.3
875.0	2870.0	87.714	189.89	63.4	3.5
880.0	2886.4	88.056	190.50	68.4	3.8
885.0	2902.8	88.403	191.13	69.4	3.9
890.0	2919.2	88.755	191.76	70.4	3.9
895.0	2935.6	89.052	192.29	59.4	3.3
900.0	2952.0	89.428	192.97	76.2	4.1
905.0	2968.4	89.758	193.56	66.0	3.6
910.0	2984.8	90.087	194.16	65.8	3.6
915.0	3001.2	90.422	194.76	67.0	3.7
920.0	3017.6	90.745	195.34	64.6	3.5
925.0	3034.0	91.033	195.86	57.8	3.2
930.0	3050.4	91.362	196.45	65.8	3.6
935.0	3066.8	91.688	197.04	65.2	3.6
940.0	3083.2	92.003	197.61	63.0	3.4
945.0	3099.6	92.323	198.18	64.0	3.5
950.0	3116.0	92.648	198.77	65.0	3.6
955.0	3132.4	92.939	199.29	58.2	3.3
960.0	3148.8	93.227	199.81	57.8	3.3
965.0	3165.2	93.563	200.41	67.2	3.7
970.0	3181.6	93.864	200.96	60.2	3.4
975.0	3198.0	94.156	201.48	58.4	3.3
980.0	3214.4	94.482	202.07	65.2	3.6
985.0	3230.8	94.790	202.62	61.6	3.4
990.0	3247.2	95.093	203.17	60.6	3.4
995.0	3263.6	95.417	203.75	64.8	3.6
1000.0	3280.0	95.713	204.28	59.2	3.3
1005.0	3296.4	96.048	204.89	67.0	3.7
1010.0	3312.8	96.320	205.38	54.4	3.0
1015.0	3329.2	96.627	205.93	61.4	3.4
1020.0	3345.6	96.948	206.51	64.2	3.6
1025.0	3362.0	97.231	207.02	56.6	3.1

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LOCATION: BAKER AMS, ORE.

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PAGE 6

HOLE NAME: ORE-1DA

DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1030.0	3378.4	97.539	207.57	61.6	
1035.0	3394.8	97.841	208.11	60.4	3.4
1040.0	3411.2	98.093	208.57	59.4	
1045.0	3427.6	98.416	209.15	64.6	
1050.0	3444.0	98.730	209.71	63.8	
1055.0	3460.4	99.021	210.24	58.2	
1060.0	3476.8	99.326	210.79	61.0	
1065.0	3493.2	99.595	211.27	53.8	
1070.0	3509.6	99.905	211.83	62.0	
1075.0	3526.0	100.227	212.41	64.4	
1080.0	3542.4	100.508	212.91	56.2	
1085.0	3558.8	100.802	213.44	58.8	
1090.0	3575.2	101.111	214.00	58.8	
1095.0	3591.6	101.399	214.52	61.8	
1100.0	3608.0	101.721	215.10	57.6	
1105.0	3624.4	102.028	215.66	64.4	
1110.0	3640.8	102.322	216.18	61.4	
1115.0	3657.2	102.604	216.69	58.8	
1120.0	3673.6	102.896	217.21	56.4	
1125.0	3690.0	103.217	217.79	64.2	
1130.0	3706.4	103.497	218.28	56.4	
1135.0	3722.8	103.777	218.80	56.0	
1140.0	3739.2	104.072	219.33	56.0	
1145.0	3755.6	104.358	219.84	59.0	
1150.0	3772.0	104.641	220.35	57.2	
1155.0	3788.4	104.944	220.90	56.6	
1160.0	3804.8	105.217	221.39	60.6	
1165.0	3821.2	105.458	221.82	54.6	
1170.0	3837.6	105.713	222.28	48.2	
1175.0	3854.0	106.008	222.81	51.0	
1180.0	3870.4	106.277	223.30	59.0	
1185.0	3886.8	106.552	223.79	53.8	
1190.0	3903.2	106.837	224.31	55.0	
1195.0	3919.6	107.079	224.74	57.0	
1200.0	3936.0	107.386	225.29	48.4	
1205.0	3952.4	107.659	225.79	61.4	
1210.0	3968.8	107.908	226.23	54.6	
1215.0	3985.2	108.205	226.77	49.8	
1220.0	4001.6	108.452	227.21	59.4	
1225.0	4018.0	108.726	227.71	49.4	
1230.0	4034.4	108.976	228.16	54.8	
				50.0	

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LOCATION: BAKER AMS, ORE.

18S/47E- 3

HOLE NAME: ORE-IDA

DATE MEASURED: 7/20/81

PAGE 7

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1235.0	4050.8	109.224	228.60	49.6	2.7
1240.0	4067.2	109.468	229.04	48.8	2.7
1245.0	4083.6	109.706	229.47	47.6	2.6
1250.0	4100.0	109.950	229.91	48.8	2.6
1255.0	4116.4	110.291	230.52	68.2	3.7
1260.0	4132.8	110.641	231.15	70.0	3.8
1265.0	4149.2	110.894	231.61	50.6	2.8
1270.0	4165.6	111.184	232.13	58.0	3.2
1275.0	4182.0	111.529	232.76	58.0	3.2
1280.0	4198.4	111.841	233.31	62.4	3.4
1285.0	4214.8	112.122	233.82	56.2	3.1
1290.0	4231.2	112.426	234.37	60.8	3.4
1295.0	4247.6	112.731	234.92	61.0	3.4
1300.0	4264.0	112.982	235.37	59.0	3.3
1305.0	4280.4	113.250	235.85	53.6	3.0
1310.0	4296.8	113.511	236.32	53.6	3.0
1315.0	4313.2	113.757	236.76	49.2	2.7
1320.0	4329.6	114.027	237.25	54.0	3.0
1325.0	4346.0	114.269	237.68	48.4	2.7
1330.0	4362.4	114.503	238.11	46.8	2.6
1335.0	4378.8	114.766	238.58	52.6	2.9
1340.0	4395.2	115.031	239.06	53.0	2.9
1345.0	4411.6	115.278	239.50	49.4	2.7
1350.0	4428.0	115.516	239.93	47.6	2.6
1355.0	4444.4	115.743	240.34	45.4	2.5
1360.0	4460.8	115.992	240.79	49.8	2.8
1365.0	4477.2	116.218	241.19	45.8	2.6
1370.0	4493.6	116.472	241.65	50.8	2.9
1375.0	4510.0	116.737	242.13	53.0	2.9
1380.0	4526.4	116.978	242.56	46.8	2.6
1385.0	4542.8	117.213	242.98	47.8	2.7
1390.0	4559.2	117.524	243.54	68.2	3.7
1395.0	4575.6	117.784	244.01	53.0	2.9
1400.0	4592.0	118.046	244.48	53.4	2.9
1405.0	4608.4	118.290	244.92	48.8	2.7
1410.0	4624.8	118.539	245.37	49.8	2.8
1415.0	4641.2	118.815	245.87	53.8	3.0
1420.0	4657.6	119.075	246.34	53.8	3.0
1425.0	4674.0	119.360	246.85	53.8	3.0
1430.0	4690.4	119.619	247.31	51.8	2.8
1435.0	4706.8	119.879	247.78	51.8	2.8

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LOCATION: BAKER AMS, ORE.

18S/47E- 3

HOLE NAME: ORE-1DA

DATE MEASURED: 7/20/81

PAGE 8

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1440.0	4723.2	120.135	248.24	51.2	2.8
1445.0	4739.6	120.374	248.67	47.8	2.6
1450.0	4756.0	120.630	249.13	51.2	2.8
1455.0	4772.4	120.953	249.72	51.2	2.8
1460.0	4788.8	121.232	250.22	64.6	3.5
1465.0	4805.2	121.487	250.68	56.8	3.1
1470.0	4821.6	121.752	251.15	51.0	2.8
1475.0	4838.0	121.990	251.58	53.0	3.0
1480.0	4854.4	122.270	252.09	47.6	2.6
1485.0	4870.8	122.526	252.55	56.0	3.1
1490.0	4887.2	122.753	252.95	51.2	2.8
1495.0	4903.6	123.021	253.44	45.4	2.5
1500.0	4920.0	123.299	253.94	53.6	3.0
1505.0	4936.4	123.558	254.40	55.6	3.2
1510.0	4952.8	123.822	254.88	51.0	2.8
1515.0	4969.2	124.070	255.33	52.0	2.9
1520.0	4985.6	124.315	255.77	49.6	2.7
1525.0	5002.0	124.580	256.24	49.0	2.7
1530.0	5018.4	124.827	256.69	53.0	3.0
1535.0	5034.8	125.068	257.12	49.4	2.7
1540.0	5051.2	125.315	257.57	48.2	2.6
1545.0	5067.6	125.554	258.00	49.4	2.7
1550.0	5084.0	125.791	258.42	47.8	2.6
1555.0	5100.4	126.028	258.85	47.4	2.6
1560.0	5116.8	126.251	259.25	47.4	2.6
1565.0	5133.2	126.498	259.70	44.6	2.4
1570.0	5149.6	126.733	260.12	49.4	2.7
1575.0	5166.0	126.941	260.49	47.0	2.6
1580.0	5182.4	127.159	260.88	41.6	2.3
1585.0	5198.8	127.370	261.27	42.4	2.4
1590.0	5215.2	127.621	261.72	42.4	2.4
1595.0	5231.6	127.818	262.07	50.2	2.8
1600.0	5248.0	128.051	262.49	39.4	2.2
1605.0	5264.4	128.287	262.92	46.6	2.6
1610.0	5280.8	128.507	263.31	47.2	2.6
1615.0	5297.2	128.731	263.72	44.0	2.4
1620.0	5313.6	128.976	264.16	44.0	2.4
1625.0	5330.0	129.214	264.59	49.0	2.8
1630.0	5346.4	129.445	265.00	47.6	2.6
1635.0	5362.8	129.665	265.40	46.2	2.5
1640.0	5379.2	129.878	265.78	44.0	2.4
				42.6	2.3

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LOCATION: BAKER AMS, ORE.

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HOLE NAME: ORE-IDA

DATE MEASURED: 7/20/81

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1645.0	5395.6	130.091	266.16	42.6	22.3
1650.0	5412.0	130.307	266.55	43.2	22.4
1655.0	5428.4	130.525	266.95	43.6	22.4
1660.0	5444.8	130.740	267.33	43.8	22.4
1665.0	5461.2	130.924	267.66	43.8	22.4
1670.0	5477.6	131.125	268.03	43.8	22.4
1675.0	5494.0	131.327	268.39	43.8	22.4
1680.0	5510.4	131.539	268.77	43.8	22.4
1685.0	5526.8	131.738	269.13	43.8	22.4
1690.0	5543.2	131.918	269.45	43.8	22.4
1695.0	5559.6	132.105	269.79	43.8	22.4
1700.0	5576.0	132.293	270.13	43.8	22.4
1705.0	5592.4	132.442	270.40	43.8	22.4
1710.0	5608.8	132.605	270.69	43.8	22.4
1715.0	5625.2	132.757	270.96	43.8	22.4
1720.0	5641.6	132.912	271.24	43.8	22.4
1725.0	5658.0	133.063	271.51	43.8	22.4
1730.0	5674.4	133.218	271.79	43.8	22.4
1735.0	5690.8	133.347	272.02	43.8	22.4
1740.0	5707.2	133.491	272.28	43.8	22.4
1745.0	5723.6	133.617	272.51	43.8	22.4
1750.0	5740.0	133.739	272.73	43.8	22.4
1755.0	5756.4	133.864	272.96	43.8	22.4
1760.0	5772.8	133.962	273.13	43.8	22.4
1765.0	5789.2	134.062	273.31	43.8	22.4
1770.0	5805.6	134.145	273.46	43.8	22.4
1775.0	5822.0	134.224	273.60	43.8	22.4
1780.0	5838.4	134.292	273.73	43.8	22.4
1785.0	5854.8	134.356	273.84	43.8	22.4
1790.0	5871.2	134.406	273.93	43.8	22.4
1795.0	5887.6	134.444	274.00	43.8	22.4
1800.0	5904.0	134.477	274.06	43.8	22.4
1805.0	5920.4	134.506	274.11	43.8	22.4
1810.0	5936.8	134.535	274.16	43.8	22.4
1815.0	5953.2	134.560	274.21	43.8	22.4
1820.0	5969.6	134.568	274.22	43.8	22.4
1825.0	5986.0	135.208	275.37	43.8	22.4
1830.0	6002.4	135.624	276.12	43.8	22.4
1835.0	6018.8	135.976	276.76	43.8	22.4
1840.0	6035.2	136.256	277.26	43.8	22.4
1845.0	6051.6	136.555	277.80	43.8	22.4

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LOCATION: BAKER AMS, ORE.

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HOLE NAME: ORE-IDA

DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1850.0	6068.0	136.828	278.29	54.6	
1855.0	6084.4	137.088	278.76	52.0	
1860.0	6100.8	137.339	279.21	50.2	
1865.0	6117.2	137.597	279.67	51.6	
1870.0	6133.6	137.878	280.18	56.2	
1875.0	6150.0	138.130	280.63	50.4	
1880.0	6166.4	138.392	281.11	52.4	
1885.0	6182.8	138.649	281.57	51.4	
1890.0	6199.2	138.909	282.04	52.0	
1895.0	6215.6	139.167	282.50	51.6	
1900.0	6232.0	139.421	282.96	50.4	
1905.0	6248.4	139.695	283.45	54.4	
1910.0	6264.8	139.959	283.93	54.4	
1915.0	6281.2	140.231	284.42	54.4	
1920.0	6297.6	140.492	284.89	54.4	
1925.0	6314.0	140.741	285.33	49.0	
1930.0	6330.4	141.018	285.83	54.4	
1935.0	6346.8	141.259	286.27	49.0	
1940.0	6363.2	141.510	286.72	50.0	
1945.0	6379.6	141.765	287.18	51.0	
1950.0	6396.0	142.011	287.62	49.0	
1955.0	6412.4	142.268	288.08	51.4	
1960.0	6428.8	142.543	288.58	56.0	
1965.0	6445.2	142.808	289.05	56.0	
1970.0	6461.6	143.098	289.58	56.0	
1975.0	6478.0	143.392	290.11	56.0	
1980.0	6494.4	143.654	290.58	56.0	
1985.0	6510.8	143.928	291.06	56.0	
1990.0	6527.2	144.178	291.52	51.6	
1995.0	6543.6	144.423	291.96	49.0	
2000.0	6560.0	144.649	292.37	48.0	
2005.0	6576.4	144.842	292.72	38.6	
2010.0	6592.8	145.077	293.14	47.0	
2015.0	6609.2	145.272	293.49	39.0	
2020.0	6625.6	145.486	293.87	42.0	
2025.0	6642.0	145.754	294.36	52.6	
2030.0	6658.4	145.966	294.74	42.4	
2035.0	6674.8	146.193	295.15	45.4	
2040.0	6691.2	146.430	295.57	47.4	
2045.0	6707.6	146.647	295.96	42.4	
2050.0	6724.0	146.880	296.38	46.6	

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LOCATION: BAKER AMS. ORE.

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HOLE NAME: ORE-IDA

DATE MEASURED: 7/20/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2055.0	6740.4	147.113	296.80	46.6	
2060.0	6756.8	147.363	297.25	50.0	
2065.0	6773.2	147.600	297.68	47.4	
2070.0	6789.6	147.830	298.09	46.0	
2075.0	6806.0	148.084	298.55	50.8	
2080.0	6822.4	148.308	298.95	44.8	
2085.0	6838.8	148.551	299.39	48.6	
2090.0	6855.2	148.782	299.81	46.2	
2095.0	6871.6	149.055	300.30	54.6	
2100.0	6888.0	149.269	300.72	46.8	
2105.0	6904.4	149.525	301.15	47.2	
2110.0	6920.8	149.759	301.57	46.8	
2115.0	6937.2	149.979	301.96	44.0	
2120.0	6953.6	150.158	302.28	39.8	
2125.0	6970.0	150.462	302.83	60.8	
2130.0	6986.4	150.644	303.16	36.4	
2135.0	7002.8	151.016	303.83	74.4	
2140.0	7019.2	151.157	304.08	28.2	
2145.0	7035.6	151.368	304.46	42.2	
2150.0	7052.0	151.571	304.83	40.6	
2155.0	7068.4	151.808	305.25	47.4	
2160.0	7084.8	152.018	305.63	42.0	
2165.0	7101.2	152.254	306.06	47.2	
2170.0	7117.6	152.517	306.53	52.6	
2175.0	7134.0	152.767	306.98	50.0	
2180.0	7150.4	153.049	307.49	56.4	
2185.0	7166.8	153.303	307.95	50.8	
2190.0	7183.2	153.555	308.40	50.4	
2195.0	7199.6	153.820	308.88	52.0	
2200.0	7216.0	154.071	309.33	50.2	
2205.0	7232.4	154.321	309.78	50.0	
2210.0	7248.8	154.579	310.24	51.6	
2215.0	7265.2	154.828	310.69	49.8	
2220.0	7281.6	155.112	311.20	56.8	
2225.0	7298.0	155.354	311.64	48.4	
2230.0	7314.4	155.639	312.15	57.0	
2235.0	7330.8	155.878	312.58	47.8	
2240.0	7347.2	156.111	313.00	46.6	
2245.0	7363.6	156.366	313.46	51.0	
2250.0	7380.0	156.611	313.90	49.0	
2255.0	7396.4	156.868	314.36	51.4	

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2055.0
2060.0
2065.0
2070.0
2075.0
2080.0
2085.0
2090.0
2095.0
2100.0
2105.0
2110.0
2115.0
2120.0
2125.0
2130.0
2135.0
2140.0
2145.0
2150.0
2155.0
2160.0
2165.0
2170.0
2175.0
2180.0
2185.0
2190.0
2195.0
2200.0
2205.0
2210.0
2215.0
2220.0
2225.0
2230.0
2235.0
2240.0
2245.0
2250.0
2255.0

LOCATION: BAKER AMS, ORE.

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HOLE NAME: ORE-IDA

DATE MEASURED: 7/20/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

2465.0
2470.0
2475.0
2480.0

8085.2
8101.6
8118.0
8134.4

168.184
168.454
168.731
168.819

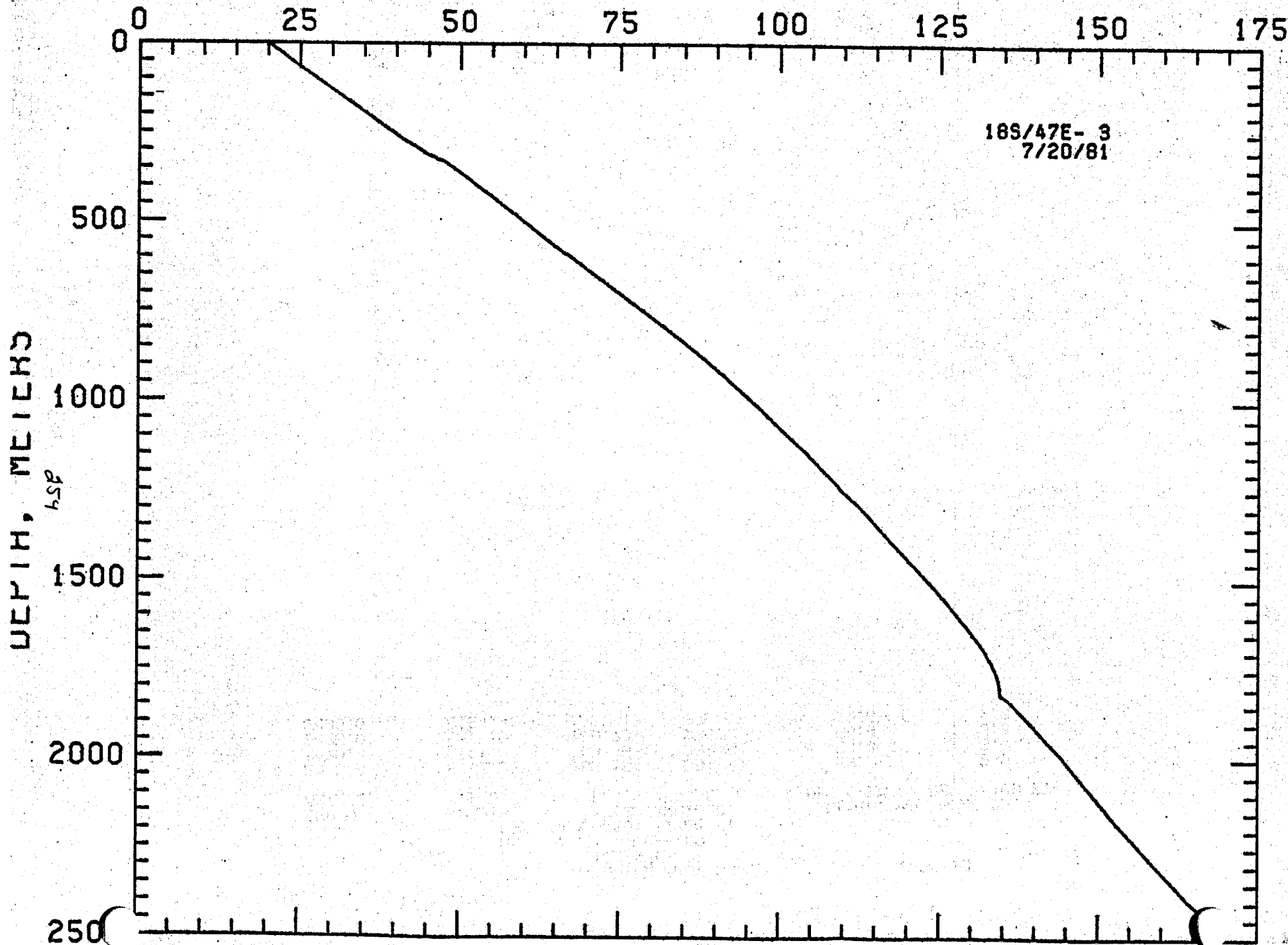
334.73
335.22
335.72
335.87

52.2
54.0
55.4
17.6

2.9
3.0
3.0
1.0

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TEMPERATURE, DEG C



LOCATION: ROSEBURG AMS OREGON

219/ 4E-31BC

HOLE NAME: CT BEACH

DATE MEASURED: 9/23/80

DEPTH
METERS

DEPTH
FEET

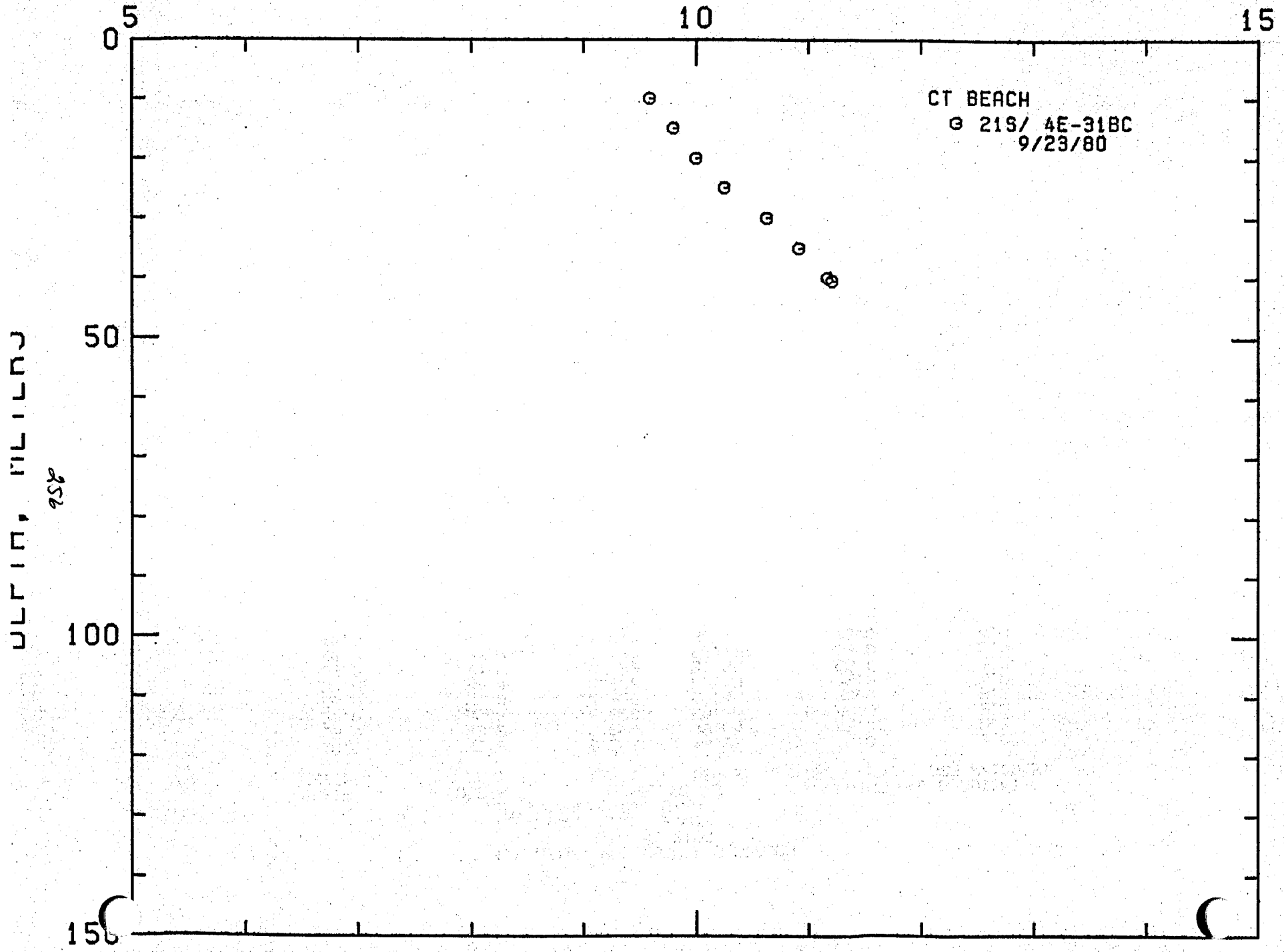
TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	9.590	49.26	0.0	0.0
15.0	49.2	9.800	49.64	42.0	2.23
20.0	65.6	10.000	50.00	40.0	2.22
25.0	82.0	10.250	50.45	50.0	2.27
30.0	98.4	10.630	51.13	76.0	4.2
35.0	114.8	10.920	51.66	58.0	3.27
40.0	131.2	11.170	52.11	50.0	2.7
40.5	132.8	11.210	52.18	80.0	4.4

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TEMPERATURE, DEG C



LOCATION: NEWBURY CRATER OREGON
21S/13E-31C

HOLE NAME: NEWBRY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.0	6.6	19.162	66.49	0.0	0.0
3.0	9.8	19.125	66.43	-37.0	0.0
4.0	13.1	19.134	66.44	9.0	0.0
5.0	16.4	19.207	66.57	73.0	0.0
6.0	19.7	19.328	66.79	121.0	0.0
7.0	23.0	19.487	67.08	159.0	0.0
8.0	26.3	19.718	67.49	231.0	0.0
9.0	29.6	19.989	67.98	271.0	0.0
10.0	32.9	20.277	68.50	288.0	0.0
11.0	36.1	20.605	69.09	328.0	0.0
12.0	39.4	20.950	69.71	345.0	0.0
13.0	42.8	21.305	70.35	355.0	0.0
14.0	46.1	21.666	71.00	361.0	0.0
15.0	49.5	22.049	71.69	363.0	0.0
16.0	52.8	22.447	72.40	398.0	0.0
17.0	56.1	22.845	73.12	400.0	0.0
18.0	59.4	23.245	73.84	553.0	0.0
19.0	62.8	23.782	75.01	169.0	0.0
20.0	66.1	31.490	88.68	72.0	0.0
21.0	69.4	31.562	88.81	30.0	0.0
22.0	72.8	31.592	88.87	-64.0	0.0
23.0	76.1	31.528	88.76	-118.0	0.0
24.0	79.5	31.410	88.54	-145.0	0.0
25.0	82.8	31.265	88.28	-145.0	0.0
26.0	86.1	31.181	88.13	-112.0	0.0
27.0	89.4	31.069	87.92	-118.0	0.0
28.0	92.8	30.951	87.71	-47.0	0.0
29.0	96.1	30.904	87.63	-43.0	0.0
30.0	99.4	30.861	87.55	17.0	0.0
31.0	102.8	30.806	87.46	17.0	0.0
32.0	106.1	30.743	87.34	17.0	0.0
33.0	109.4	30.687	87.24	17.0	0.0
34.0	112.8	30.674	87.21	17.0	0.0
35.0	116.1	30.658	87.18	17.0	0.0
36.0	119.4	30.635	87.14	17.0	0.0
37.0	122.8	30.598	87.08	17.0	0.0
38.0	126.1	30.563	87.01	17.0	0.0
39.0	129.4	30.528	86.96	17.0	0.0
40.0	132.8	30.479	86.86	17.0	0.0
41.0	136.1	30.419	86.75	17.0	0.0
42.0	139.4	30.353	86.64	17.0	0.0

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LOCATION: NEWBURY CRATER OREGON
21S/13E-31C

PAGE 2

HOLE NAME: NEWBRY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
58.0	190.3	30.302	86.54	-51.0	
59.0	193.3	30.247	86.44	-55.0	
60.0	196.0	30.178	86.32	-69.0	
61.0	200.1	30.107	86.19	-71.0	
62.0	203.4	30.040	85.97	-67.0	
63.0	206.6	29.939	85.89	-101.0	
64.0	209.9	29.827	85.69	-112.0	
65.0	213.0	29.748	85.55	-79.0	
66.0	216.5	29.654	85.38	-94.0	
67.0	219.8	29.544	85.18	-110.0	
68.0	223.0	29.459	85.03	-85.0	
69.0	226.2	29.385	84.89	-74.0	
70.0	229.5	29.336	84.80	-49.0	
71.0	232.8	29.280	84.70	-56.0	
72.0	236.0	29.207	84.57	-73.0	
73.0	239.4	29.118	84.41	-89.0	
74.0	242.7	29.032	84.26	-86.0	
75.0	246.0	28.943	84.10	-89.0	
76.0	249.2	28.839	83.91	-105.0	
77.0	252.6	28.728	83.71	-110.0	
78.0	255.9	28.561	83.41	-167.0	
79.0	259.1	28.359	83.05	-202.0	
80.0	262.4	28.165	82.70	-194.0	
81.0	265.7	27.980	82.36	-185.0	
82.0	269.0	27.784	82.01	-196.0	
83.0	272.2	27.587	81.66	-197.0	
84.0	275.5	27.393	81.31	-194.0	
85.0	278.8	27.190	80.94	-203.0	
86.0	282.1	26.941	80.49	-249.0	
87.0	285.4	26.670	80.01	-271.0	
88.0	288.6	26.384	79.49	-286.0	
89.0	291.9	26.084	78.91	-300.0	
90.0	295.2	25.794	78.35	-420.0	
91.0	298.5	25.520	77.75	-264.0	
92.0	301.8	25.280	77.15	-231.0	
93.0	305.0	25.039	76.58	-324.0	
94.0	308.3	24.765	76.00	-254.0	
95.0	311.6	24.511	75.12	-254.0	
96.0	314.9	24.327	75.79	-184.0	
97.0	318.2	24.143	75.46	-184.0	
98.0	321.4	23.975	75.16	-169.0	
		23.828	74.89	-149.0	

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LOCATION: NEWBURY CRATER OREGON

PAGE 3

21S/13E-31C

HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
99.0	324.7	23.678	74.62	-148.0	-8.1
100.0	328.0	23.542	74.38	-136.0	-7.7
101.0	331.3	23.381	74.09	-151.0	-8.8
102.0	334.6	23.184	73.73	-197.0	-10.8
103.0	337.8	23.005	73.41	-179.0	-9.9
104.0	341.1	22.836	73.10	-169.0	-9.4
105.0	344.4	22.670	72.81	-166.0	-9.3
106.0	347.7	22.510	72.52	-160.0	-9.0
107.0	351.0	22.368	72.26	-142.0	-7.9
108.0	354.2	22.237	72.03	-131.0	-7.3
109.0	357.5	22.112	71.80	-125.0	-7.0
110.0	360.8	22.008	71.61	-104.0	-5.7
111.0	364.1	21.937	71.49	-71.0	-4.0
112.0	367.4	21.881	71.39	-55.0	-3.1
113.0	370.6	21.850	71.33	-31.0	-1.7
114.0	373.9	21.833	71.30	-17.0	-0.9
115.0	377.2	21.839	71.31	6.0	0.3
116.0	380.5	21.862	71.35	23.0	1.3
117.0	383.8	21.889	71.40	27.0	1.5
118.0	387.0	21.921	71.46	33.0	1.8
119.0	390.3	21.960	71.53	39.0	2.2
120.0	393.6	22.019	71.63	59.0	3.3
121.0	396.9	22.079	71.74	68.0	3.8
122.0	400.2	22.142	71.86	69.0	3.9
123.0	403.4	22.211	71.98	69.0	3.9
124.0	406.7	22.275	72.09	64.0	3.6
125.0	410.0	22.364	72.26	69.0	3.9
126.0	413.3	22.446	72.40	62.0	3.5
127.0	416.6	22.597	72.67	151.0	8.4
128.0	419.9	22.789	72.88	112.0	6.2
129.0	423.1	22.789	73.02	80.0	4.4
130.0	426.4	22.860	73.15	71.0	4.0
131.0	429.7	22.937	73.29	77.0	4.3
132.0	433.0	22.993	73.39	56.0	3.1
133.0	436.2	23.058	73.50	55.0	3.1
134.0	439.5	23.136	73.64	77.0	4.3
135.0	442.8	23.190	73.74	55.0	3.1
136.0	446.1	23.256	73.86	66.0	3.7
137.0	449.4	23.339	74.01	63.0	3.5
138.0	452.6	23.451	74.21	112.0	6.2
139.0	455.9	23.593	74.47	142.0	7.8

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LOCATION: NEWBURY CRATER OREGON

PAGE 4

21S/13E-31C

HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
140.0	459.2	23.760	74.77	167.0	9
141.0	462.5	23.942	75.10	162.0	10.02
142.0	465.8	24.140	75.45	198.0	10.90
143.0	469.0	24.317	75.77	177.0	9.7
144.0	472.3	24.459	76.03	142.0	7.9
145.0	475.6	24.565	76.22	106.0	6.0
146.0	478.9	24.644	76.36	78.0	4.4
147.0	482.2	24.706	76.47	62.0	3.4
148.0	485.4	24.749	76.55	43.0	2.4
149.0	488.7	24.808	76.66	59.0	3.3
150.0	492.0	24.865	76.76	59.0	3.3
151.0	495.3	24.914	76.85	57.0	3.1
152.0	498.6	24.962	76.93	49.0	2.4
153.0	501.9	25.017	77.03	57.0	3.1
154.0	505.1	25.083	77.15	57.0	3.1
155.0	508.4	25.131	77.24	48.0	2.6
156.0	511.7	25.196	77.35	57.0	3.1
157.0	515.0	25.259	77.47	63.0	3.5
158.0	518.2	25.327	77.59	68.0	3.8
159.0	521.5	25.386	77.68	53.0	3.0
160.0	524.8	25.432	77.78	53.0	3.0
161.0	528.1	25.478	77.88	53.0	3.0
162.0	531.4	25.505	77.91	53.0	3.0
163.0	534.7	25.534	77.96	53.0	3.0
164.0	537.9	25.559	78.01	53.0	3.0
165.0	541.2	25.588	78.06	53.0	3.0
166.0	544.5	25.614	78.11	53.0	3.0
167.0	547.8	25.630	78.13	16.0	0.9
168.0	551.0	25.652	78.17	22.0	1.2
169.0	554.3	25.670	78.21	18.0	1.0
170.0	557.6	25.702	78.26	32.0	1.8
171.0	560.9	25.743	78.34	41.0	2.3
172.0	564.2	25.780	78.40	37.0	2.1
173.0	567.4	25.831	78.50	51.0	2.8
174.0	570.7	25.897	78.61	6.0	0.3
175.0	574.0	25.948	78.63	11.0	0.6
176.0	577.3	25.962	78.65	4.0	0.2
177.0	580.6	25.924	78.48	-2.0	-0.1
178.0	583.9	25.897	78.45	-17.0	-0.9
179.0	587.1	25.771	78.33	-36.0	-2.0
180.0	590.4	25.736	78.32	-35.0	-2.0

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LOCATION: NEWBURY CRATER OREGON

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215/13E-31C

HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
181.0	593.7	25.698	78.26	-38.0	1
182.0	597.0	25.655	78.18	-43.0	1
183.0	600.2	25.593	78.07	-52.0	1
184.0	603.5	25.534	77.96	-59.0	1
185.0	606.8	25.474	77.85	-60.0	1
186.0	610.1	25.408	77.73	-66.0	1
187.0	613.4	25.334	77.60	-74.0	1
188.0	616.6	25.262	77.47	-72.0	1
189.0	619.9	25.188	77.34	-74.0	1
190.0	623.2	25.114	77.21	-74.0	1
191.0	626.5	25.037	77.07	-77.0	1
192.0	629.8	24.955	76.92	-82.0	1
193.0	633.0	24.869	76.76	-88.0	1
194.0	636.3	24.779	76.60	-90.0	1
195.0	639.6	24.694	76.45	-95.0	1
196.0	642.9	24.610	76.30	-94.0	1
197.0	646.2	24.530	76.15	-98.0	1
198.0	649.4	24.440	76.99	-98.0	1
199.0	652.7	24.353	76.84	-97.0	1
200.0	656.0	24.266	76.68	-97.0	1
201.0	659.3	24.190	76.54	-76.0	1
202.0	662.6	24.121	76.42	-69.0	1
203.0	665.8	24.059	76.31	-63.0	1
204.0	669.1	23.994	76.19	-65.0	1
205.0	672.4	23.938	76.09	-56.0	1
206.0	675.7	23.894	76.01	-44.0	1
207.0	679.0	23.866	74.96	-38.0	1
208.0	682.2	23.840	74.91	-36.0	1
209.0	685.5	23.810	74.86	-30.0	1
210.0	688.8	23.781	74.81	-28.0	1
211.0	692.1	23.761	74.77	-28.0	1
212.0	695.4	23.741	74.73	-28.0	1
213.0	698.6	23.715	74.69	-28.0	1
214.0	701.9	23.690	74.64	-28.0	1
215.0	705.2	23.663	74.59	-27.0	1
216.0	708.5	23.629	74.53	-34.0	1
217.0	711.8	23.595	74.47	-44.0	1
218.0	715.0	23.554	74.40	-41.0	1
219.0	718.3	23.512	74.32	-42.0	1
220.0	721.6	23.466	74.24	-46.0	1
221.0	724.9	23.402	74.12	-64.0	1

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LOCATION: NEWBURY CRATER OREGON
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HOLE NAME: NEWBURY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
222.0	728.2	23.376	74.07	-	-
223.0	731.4	23.325	73.99	-	-
224.0	734.7	23.269	73.88	-	-
225.0	738.0	23.209	73.78	-	-
226.0	741.3	23.154	73.68	-	-
227.0	744.6	23.101	73.58	-	-
228.0	747.9	23.048	73.49	-	-
229.0	751.1	22.995	73.39	-	-
230.0	754.4	22.939	73.29	-	-
231.0	757.7	22.886	73.19	-	-
232.0	761.0	22.833	73.10	-	-
233.0	764.3	22.780	73.00	-	-
234.0	767.6	22.727	72.90	-	-
235.0	770.9	22.672	72.81	-	-
236.0	774.1	22.623	72.72	-	-
237.0	777.4	22.573	72.63	-	-
238.0	780.7	22.523	72.54	-	-
239.0	783.9	22.473	72.46	-	-
240.0	787.2	22.422	72.38	-	-
241.0	790.5	22.372	72.29	-	-
242.0	793.8	22.323	72.20	-	-
243.0	797.1	22.273	72.11	-	-
244.0	800.4	22.223	72.02	-	-
245.0	803.7	22.173	71.93	-	-
246.0	806.9	22.123	71.85	-	-
247.0	810.2	22.073	71.76	-	-
248.0	813.5	22.023	71.68	-	-
249.0	816.8	21.973	71.60	-	-
250.0	820.1	21.923	71.51	-	-
251.0	823.4	21.873	71.43	-	-
252.0	826.7	21.823	71.35	-	-
253.0	830.0	21.773	71.27	-	-
254.0	833.3	21.723	71.19	-	-
255.0	836.6	21.673	71.11	-	-
256.0	839.9	21.623	71.03	-	-
257.0	843.2	21.573	70.95	-	-
258.0	846.5	21.523	70.87	-	-
259.0	849.8	21.473	70.79	-	-
260.0	853.1	21.423	70.71	-	-
261.0	856.4	21.373	70.63	-	-
262.0	859.7	21.323	70.55	-	-
263.0	863.0	21.273	70.47	-	-
264.0	866.3	21.223	70.39	-	-
265.0	869.6	21.173	70.31	-	-
266.0	872.9	21.123	70.23	-	-
267.0	876.2	21.073	70.15	-	-
268.0	879.5	21.023	70.07	-	-
269.0	882.8	20.973	70.00	-	-
270.0	886.1	20.923	69.92	-	-
271.0	889.4	20.873	69.84	-	-
272.0	892.7	20.823	69.76	-	-
273.0	896.0	20.773	69.68	-	-
274.0	899.3	20.723	69.60	-	-
275.0	902.6	20.673	69.52	-	-
276.0	905.9	20.623	69.44	-	-
277.0	909.2	20.573	69.36	-	-
278.0	912.5	20.523	69.28	-	-
279.0	915.8	20.473	69.20	-	-
280.0	919.1	20.423	69.12	-	-
281.0	922.4	20.373	69.04	-	-
282.0	925.7	20.323	68.96	-	-
283.0	929.0	20.273	68.88	-	-
284.0	932.3	20.223	68.80	-	-
285.0	935.6	20.173	68.72	-	-
286.0	938.9	20.123	68.64	-	-
287.0	942.2	20.073	68.56	-	-
288.0	945.5	20.023	68.48	-	-
289.0	948.8	19.973	68.40	-	-
290.0	952.1	19.923	68.32	-	-
291.0	955.4	19.873	68.24	-	-
292.0	958.7	19.823	68.16	-	-
293.0	962.0	19.773	68.08	-	-
294.0	965.3	19.723	68.00	-	-
295.0	968.6	19.673	67.92	-	-
296.0	971.9	19.623	67.84	-	-
297.0	975.2	19.573	67.76	-	-
298.0	978.5	19.523	67.68	-	-
299.0	981.8	19.473	67.60	-	-
300.0	985.1	19.423	67.52	-	-
301.0	988.4	19.373	67.44	-	-
302.0	991.7	19.323	67.36	-	-
303.0	995.0	19.273	67.28	-	-
304.0	998.3	19.223	67.20	-	-
305.0	1001.6	19.173	67.12	-	-
306.0	1004.9	19.123	67.04	-	-
307.0	1008.2	19.073	66.96	-	-
308.0	1011.5	19.023	66.88	-	-
309.0	1014.8	18.973	66.80	-	-
310.0	1018.1	18.923	66.72	-	-
311.0	1021.4	18.873	66.64	-	-
312.0	1024.7	18.823	66.56	-	-
313.0	1028.0	18.773	66.48	-	-
314.0	1031.3	18.723	66.40	-	-
315.0	1034.6	18.673	66.32	-	-
316.0	1037.9	18.623	66.24	-	-
317.0	1041.2	18.573	66.16	-	-
318.0	1044.5	18.523	66.08	-	-
319.0	1047.8	18.473	66.00	-	-
320.0	1051.1	18.423	65.92	-	-
321.0	1054.4	18.373	65.84	-	-
322.0	1057.7	18.323	65.76	-	-
323.0	1061.0	18.273	65.68	-	-
324.0	1064.3	18.223	65.60	-	-
325.0	1067.6	18.173	65.52	-	-
326.0	1070.9	18.123	65.44	-	-
327.0	1074.2	18.073	65.36	-	-
328.0	1077.5	18.023	65.28	-	-
329.0	1080.8	17.973	65.20	-	-
330.0	1084.1	17.923	65.12	-	-
331.0	1087.4	17.873	65.04	-	-
332.0	1090.7	17.823	64.96	-	-
333.0	1094.0	17.773	64.88	-	-
334.0	1097.3	17.723	64.80	-	-
335.0	1100.6	17.673	64.72	-	-
336.0	1103.9	17.623	64.64	-	-
337.0	1107.2	17.573	64.56	-	-
338.0	1110.5	17.523	64.48	-	-
339.0	1113.8	17.473	64.40	-	-
340.0	1117.1	17.423	64.32	-	-
341.0	1120.4	17.373	64.24	-	-
342.0	1123.7	17.323	64.16	-	-
343.0	1127.0	17.273	64.08	-	-
344.0	1130.3	17.223	64.00	-	-
345.0	1133.6	17.173	63.92	-	-
346.0	1136.9	17.123	63.84	-	-
347.0	1140.2	17.073	63.76	-	-
348.0	1143.5	17.023	63.68	-	-
349.0	1146.8	16.973	63.60	-	-
350.0	1150.1	16.923	63.52	-	-
351.0	1153.4	16.873	63.44	-	-
352.0	1156.7	16.823	63.36	-	-
353.0	1160.0	16.773	63.28	-	-
354.0	1163.3	16.723	63.20	-	-
355.0	1166.6	16.673	63.12	-	-
356.0	1169.9	16.623	63.04	-	-
357.0	1173.2	16.573	62.96	-	-
358.0	1176.5	16.523	62.88	-	-
359.0	1179.8	16.473	62.80	-	-
360.0	1183.1	16.423	62.72	-	-
361.0	1186.4	16.373	62.64	-	-
362.0	1189.7	16.323	62.56	-	-
363.0	1193.0	16.273	62.48	-	-
364.0	1196.3	16.223	62.40	-	-
365.0	1199.6	16.173	62.32	-	-
366.0	1202.9	16.123	62.24	-	-
367.0	1206.2	16.073	62.16	-	-
368.0	1209.5	16.023	62.08	-	-
369.0	1212.8	15.973	62.00	-	-
370.0	1216.1	15.923	61.92	-	-
371.0	1219.4	15.873	61.84	-	-
372.0	1222.7	15.823	61.76	-	-
373.0	1226.0	15.773	61.68	-	-
374.0	1229.3	15.723	61.60	-	-
375.0	1232.6	15.673	61.52	-	-
376.0	1235.9	15.623	61.44	-	-
377.0	1239.2	15.573	61.36	-	-
378.0	1242.5	15.523	61.28	-	-
379.0	1245.8	15.473	61.20	-	-
380.0	1249.1	15.423	61.12	-	-
381.0	1252.4	15.373	61.04	-	-
382.0	1255.7	15.323	60.96	-	-
383.0	1259.0	15.273	60.88	-	-
384.0	1262.3	15.223	60.80	-	-
385.0	1265.6	15.173	60.72	-	-
386.0	1268.9	15.123	60.64	-	-
387.0	1272.2	15.073	60.56	-	-
388.0	1275.5	15.023	60.48	-	-
389.0	1278.8	14.973	60.40	-	-
390.0	1282.1	14.923	60.32	-	-
391.0	1285.4	14.873	60.24	-	-
392.0	1288.7	14.823	60.16	-	-
393.0	1292.0	14.773	60.08	-	-
394.0	1295.3	14.723	60.00	-	-
395.0	1298.6	14.673	59.92	-	-
396.0	1301.9	14.623	59.84	-	-
397.0	1305.2	14.573	59.76	-	-
398.0	1308.5	14.523	59.68	-	-
399.0	1311.8	14.473	59.60	-	-
400.0	1315.1	14.423	59.52	-	-

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBRY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
263.0	862.6	21.986	71.57	3.0	0.2
264.0	865.9	21.995	71.59	9.0	0.5
265.0	869.2	22.003	71.61	6.0	0.4
266.0	872.5	22.004	71.61	1.0	0.1
267.0	875.8	22.031	71.66	27.0	1.5
268.0	879.0	22.061	71.71	30.0	1.6
269.0	882.3	22.104	71.79	43.0	2.4
270.0	885.6	22.173	71.91	69.0	3.8
271.0	888.9	22.239	72.03	66.0	3.6
272.0	892.2	22.331	72.20	92.0	5.0
273.0	895.4	22.423	72.36	92.0	5.0
274.0	898.7	22.523	72.54	100.0	5.5
275.0	902.0	22.669	72.80	146.0	8.0
276.0	905.3	22.826	73.09	157.0	8.6
277.0	908.6	23.003	73.41	177.0	9.7
278.0	911.8	23.182	73.73	179.0	9.8
279.0	915.1	23.398	74.12	216.0	11.9
280.0	918.4	23.633	74.54	235.0	12.9
281.0	921.7	23.861	74.95	229.0	12.5
282.0	925.0	24.106	75.39	245.0	13.4
283.0	928.2	24.363	75.85	257.0	14.1
284.0	931.5	24.661	76.39	298.0	16.4
285.0	934.8	24.980	76.96	319.0	17.5
286.0	938.1	25.294	77.53	314.0	17.2
287.0	941.4	25.637	78.15	343.0	18.8
288.0	944.6	25.997	78.79	360.0	19.8
289.0	947.9	26.445	79.60	448.0	24.6
290.0	951.2	26.870	80.37	425.0	23.3
291.0	954.5	27.295	81.13	425.0	23.3
292.0	957.8	27.767	81.98	472.0	25.9
293.0	961.0	28.234	82.82	467.0	25.6
294.0	964.3	28.957	84.12	723.0	39.7
295.0	967.6	29.625	85.33	668.0	36.7
296.0	970.9	30.248	86.45	623.0	34.2
297.0	974.2	30.826	87.49	578.0	31.7
298.0	977.4	31.431	88.58	605.0	33.2
299.0	980.7	32.027	89.66	596.0	32.7
300.0	984.0	32.753	90.96	726.0	39.8
301.0	987.3	33.544	92.38	791.0	43.4
302.0	990.6	34.279	93.70	735.0	40.3
303.0	993.8	34.996	94.99	717.0	39.3

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LOCATION: NEWBURY CRATER OREGON
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HOLE NAME: NEWBURY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
304.0	997.1	35.670	96.21	674.0	37.0
305.0	1000.4	35.346	97.42	676.0	37.1
306.0	1003.7	37.043	98.68	697.0	38.3
307.0	1007.0	37.728	99.91	685.0	37.7
308.0	1010.2	38.352	101.03	624.0	34.7
309.0	1013.5	39.047	102.28	695.0	38.1
310.0	1016.8	39.853	103.74	806.0	44.4
311.0	1020.1	40.677	105.22	824.0	45.5
312.0	1023.4	41.487	106.68	810.0	44.5
313.0	1026.6	42.271	108.09	784.0	43.5
314.0	1029.9	43.082	109.55	811.0	44.4
315.0	1033.2	43.872	110.97	790.0	43.4
316.0	1036.5	44.695	112.45	823.0	45.5
317.0	1039.8	45.552	114.01	867.0	47.5
318.0	1043.0	46.442	115.60	880.0	48.5
319.0	1046.3	47.267	117.08	825.0	45.5
320.0	1049.6	48.110	118.60	843.0	46.5
321.0	1052.9	48.992	120.01	782.0	43.5
322.0	1056.2	49.750	121.55	858.0	47.1
323.0	1059.4	50.608	123.09	858.0	47.1
324.0	1062.7	51.465	124.64	857.0	47.0
325.0	1066.0	52.255	126.06	790.0	43.4
326.0	1069.3	52.082	127.56	827.0	45.4
327.0	1072.6	53.078	128.95	796.0	43.7
328.0	1075.8	54.316	129.77	438.0	24.0
329.0	1079.1	55.396	131.69	1070.0	57.0
330.0	1082.4	56.349	133.43	963.0	53.0
331.0	1085.7	57.202	134.96	853.0	46.5
332.0	1089.0	58.070	136.53	868.0	47.5
333.0	1092.2	59.032	138.35	1012.0	55.5
334.0	1095.5	59.804	139.65	722.0	40.5
335.0	1098.8	60.452	140.81	648.0	35.5
336.0	1102.1	61.148	142.07	696.0	38.5
337.0	1105.4	61.684	143.03	536.0	29.4
338.0	1108.6	62.247	144.04	563.0	30.9
339.0	1111.9	62.874	145.17	627.0	34.4
340.0	1115.2	63.426	146.17	552.0	30.4
341.0	1118.5	64.005	147.21	579.0	31.5
342.0	1121.8	64.531	148.16	526.0	28.9
343.0	1125.0	64.921	148.86	390.0	21.4
344.0	1128.3	65.521	149.94	600.0	32.0

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
345.0	1131.6	65.935	150.68	414.0	22.7
346.0	1134.9	66.397	151.51	462.0	25.4
347.0	1138.2	66.744	152.14	347.0	19.0
348.0	1141.4	67.162	152.89	418.0	22.9
349.0	1144.7	67.493	153.49	331.0	18.2
350.0	1148.0	67.959	154.32	460.0	25.0
351.0	1151.3	68.409	155.14	456.0	25.0
352.0	1154.6	68.763	155.77	354.0	19.4
353.0	1157.8	69.034	156.26	271.0	14.9
354.0	1161.1	69.514	157.13	480.0	26.3
355.0	1164.4	70.049	158.09	535.0	29.4
356.0	1167.7	70.368	158.66	319.0	17.5
357.0	1171.0	70.747	159.34	379.0	20.8
358.0	1174.2	71.415	160.55	668.0	36.7
359.0	1177.5	71.942	161.58	527.0	28.9
360.0	1180.8	72.162	161.89	220.0	12.1
361.0	1184.1	72.398	162.32	236.0	13.0
362.0	1187.4	73.042	163.48	644.0	35.3
363.0	1190.6	73.464	164.24	422.0	23.2
364.0	1193.9	73.791	164.82	327.0	17.9
365.0	1197.2	74.363	165.85	572.0	31.4
366.0	1200.5	74.898	166.71	476.0	26.1
367.0	1203.8	74.894	166.79	46.0	2.5
368.0	1207.0	75.296	167.53	411.0	22.6
369.0	1210.3	75.479	167.86	184.0	10.1
370.0	1213.6	75.773	168.39	294.0	16.1
371.0	1216.9	76.127	169.03	354.0	19.4
372.0	1220.2	76.521	169.74	394.0	21.6
373.0	1223.4	76.893	170.41	372.0	20.4
374.0	1226.7	77.249	171.05	356.0	19.5
375.0	1230.0	77.603	171.69	354.0	19.4
376.0	1233.3	77.911	172.24	308.0	16.9
377.0	1236.6	78.169	172.70	258.0	14.2
378.0	1239.8	78.372	173.07	203.0	11.1
379.0	1243.1	78.777	173.80	405.0	22.2
380.0	1246.4	79.257	174.66	480.0	26.3
381.0	1249.7	79.816	175.67	559.0	30.7
382.0	1253.0	80.494	176.89	678.0	37.2
383.0	1256.2	81.243	178.24	749.0	41.1
384.0	1259.5	81.764	179.18	521.0	28.6
385.0	1262.8	82.189	179.94	425.0	23.3

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LOCATION: NEWBURY CRATER OREGON
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HOLE NAME: NEWBURY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
386.0	1266.1	82.787	181.02	598.0	32.0
387.0	1269.4	83.127	181.63	340.0	18.7
388.0	1272.6	83.475	182.26	348.0	19.1
389.0	1275.9	83.764	182.78	289.0	15.9
390.0	1279.2	84.045	183.28	281.0	15.4
391.0	1282.5	84.155	183.48	110.0	6.0
392.0	1285.8	84.481	184.07	326.0	17.9
393.0	1289.0	84.998	185.00	517.0	28.4
394.0	1292.3	85.167	185.30	169.0	9.3
395.0	1295.6	85.210	185.38	43.0	2.4
396.0	1298.9	85.277	185.50	67.0	3.7
397.0	1302.2	85.307	185.55	30.0	1.6
398.0	1305.4	85.381	185.69	74.0	4.1
399.0	1308.7	85.240	185.43	-141.0	-7.7
400.0	1312.0	85.074	185.13	-166.0	-9.1
401.0	1315.3	85.082	185.15	8.0	0.4
402.0	1318.6	85.132	185.24	50.0	2.7
403.0	1321.8	85.206	185.37	74.0	4.1
404.0	1325.1	85.294	185.53	88.0	4.8
405.0	1328.4	85.350	185.63	56.0	3.1
406.0	1331.7	85.368	185.66	18.0	1.0
407.0	1335.0	85.435	185.78	67.0	3.7
408.0	1338.2	85.509	185.92	74.0	4.1
409.0	1341.5	85.557	186.02	58.0	3.1
410.0	1344.8	85.645	186.52	278.0	15.4
411.0	1348.1	86.280	187.30	435.0	23.6
412.0	1351.4	86.450	187.61	170.0	9.3
413.0	1354.6	86.552	187.79	102.0	5.6
414.0	1357.9	86.649	187.97	97.0	5.3
415.0	1361.2	86.621	187.92	-28.0	-1.5
416.0	1364.5	86.716	188.09	95.0	5.3
417.0	1367.8	86.810	188.26	94.0	5.2
418.0	1371.0	86.781	188.21	-29.0	-1.5
419.0	1374.3	86.732	188.12	-49.0	-2.7
420.0	1377.6	86.685	188.03	-47.0	-2.6
421.0	1380.9	86.637	187.95	-48.0	-2.6
422.0	1384.2	86.414	187.55	-223.0	-12.4
423.0	1387.4	86.313	187.36	-101.0	-5.6
424.0	1390.7	86.312	187.36	-1.0	0.0
425.0	1394.0	86.157	187.08	-155.0	-8.6
426.0	1397.3	85.879	186.58	-278.0	-15.4

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
427.0	1400.6	85.720	186.30	-159.0	11.7
428.0	1403.8	85.664	186.20	-56.0	11.7
429.0	1407.1	85.655	186.18	5.0	11.7
430.0	1410.4	85.621	186.12	-34.0	11.7
431.0	1413.7	85.643	186.16	22.0	11.7
432.0	1417.0	85.625	186.13	-18.0	11.7
433.0	1420.2	85.590	186.06	-35.0	11.7
434.0	1423.5	85.551	185.99	-39.0	11.7
435.0	1426.8	85.487	185.88	-64.0	11.7
436.0	1430.1	85.379	185.68	-108.0	11.7
437.0	1433.4	85.406	185.73	27.0	11.7
438.0	1436.6	85.552	185.99	146.0	11.7
439.0	1439.9	85.663	186.19	111.0	11.7
440.0	1443.2	85.733	186.32	70.0	11.7
441.0	1446.5	85.723	186.30	-10.0	11.7
442.0	1449.8	85.717	186.29	-6.0	11.7
443.0	1453.0	85.755	186.36	38.0	11.7
444.0	1456.3	85.806	186.45	51.0	11.7
445.0	1459.6	85.829	186.51	33.0	11.7
446.0	1462.9	85.879	186.58	40.0	11.7
447.0	1466.2	85.940	186.69	61.0	11.7
448.0	1469.4	86.031	186.86	91.0	11.7
449.0	1472.7	86.136	187.04	105.0	11.7
450.0	1476.0	86.239	187.23	103.0	11.7
451.0	1479.3	86.311	187.36	72.0	11.7
452.0	1482.6	86.296	187.33	-15.0	11.7
453.0	1485.8	86.284	187.31	-12.0	11.7
454.0	1489.1	86.344	187.42	60.0	11.7
455.0	1492.4	86.488	187.68	144.0	11.7
456.0	1495.7	86.621	187.92	133.0	11.7
457.0	1499.0	86.610	187.90	-11.0	11.7
458.0	1502.2	86.596	187.87	-14.0	11.7
459.0	1505.5	86.668	188.00	72.0	11.7
460.0	1508.8	86.751	188.15	83.0	11.7
461.0	1512.1	86.869	188.36	118.0	11.7
462.0	1515.4	87.067	188.72	198.0	11.7
463.0	1518.6	87.292	189.13	225.0	11.7
464.0	1521.9	87.420	189.36	128.0	11.7
465.0	1525.2	87.485	189.47	65.0	11.7
466.0	1528.5	87.549	189.59	64.0	11.7
467.0	1531.8	87.762	189.97	213.0	11.7

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
468.0	1535.0	87.655	189.78	-107.0	
469.0	1538.0	87.454	189.42	-201.0	
470.0	1541.0	87.223	189.00	-231.0	
471.0	1544.0	86.943	188.50	-280.0	
472.0	1548.0	86.777	188.20	-166.0	
473.0	1551.4	86.628	187.93	-149.0	
474.0	1554.7	86.582	187.85	-146.0	
475.0	1558.0	86.516	187.73	-166.0	
476.0	1561.3	86.434	187.58	-150.0	
477.0	1564.6	86.384	187.49	-150.0	
478.0	1567.9	86.328	187.39	-156.0	
479.0	1571.1	86.191	187.14	-137.0	
480.0	1574.4	86.082	186.95	-109.0	
481.0	1577.7	85.973	186.75	-109.0	
482.0	1581.0	85.906	186.63	-107.0	
483.0	1584.3	85.772	186.39	-134.0	
484.0	1587.6	85.560	186.01	-112.0	
485.0	1590.9	85.385	185.69	-174.0	
486.0	1594.1	85.258	185.46	-128.0	
487.0	1597.4	85.137	185.25	-121.0	
488.0	1600.6	84.823	184.70	-304.0	
489.0	1603.9	84.553	184.20	-280.0	
490.0	1607.1	84.244	183.64	-309.0	
491.0	1610.4	83.953	183.12	-291.0	
492.0	1613.6	83.684	182.62	-269.0	
493.0	1617.0	83.455	182.22	-229.0	
494.0	1620.3	83.402	182.12	-153.0	
495.0	1623.6	83.177	181.72	-225.0	
496.0	1626.9	82.760	180.97	-417.0	
497.0	1630.1	82.497	180.49	-263.0	
498.0	1633.4	82.312	180.16	-185.0	
499.0	1636.7	82.018	179.63	-294.0	
500.0	1640.0	81.809	179.26	-209.0	
501.0	1643.3	81.668	179.00	-141.0	
502.0	1646.6	81.431	178.58	-237.0	
503.0	1649.9	81.202	178.16	-229.0	
504.0	1653.1	80.977	177.76	-225.0	
505.0	1656.4	80.743	177.34	-234.0	
506.0	1659.7	80.622	177.12	-121.0	
507.0	1663.0	80.454	176.82	-168.0	
508.0	1666.2	80.179	176.32	-275.0	

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LOCATION: NEWBURY CRATER OREGON
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PAGE 13

HOLE NAME: NEWBRY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
509.0	1669.5	79.956	175.92	-223.0	-12.2
510.0	1672.8	79.692	175.45	-264.0	-14.1
511.0	1676.1	79.442	175.00	-250.0	-13.7
512.0	1679.4	79.083	174.35	-359.0	-19.7
513.0	1682.6	78.820	173.88	-263.0	-14.4
514.0	1685.9	78.471	173.25	-349.0	-19.2
515.0	1689.2	78.222	172.80	-249.0	-13.7
516.0	1692.5	77.927	172.27	-295.0	-16.2
517.0	1695.8	77.720	171.90	-207.0	-11.4
518.0	1699.0	77.463	171.43	-257.0	-14.1
519.0	1702.3	77.303	171.15	-160.0	-8.0
520.0	1705.6	77.163	170.89	-140.0	-7.7
521.0	1708.9	77.086	170.75	-77.0	-4.2
522.0	1712.2	76.926	170.47	-160.0	-8.0
523.0	1715.4	76.773	170.19	-153.0	-7.4
524.0	1718.7	76.612	169.90	-161.0	-8.0
525.0	1722.0	76.429	169.57	-183.0	-10.0
526.0	1725.3	76.190	169.14	-239.0	-12.7
527.0	1728.6	75.878	168.58	-312.0	-17.1
528.0	1731.8	75.552	167.99	-326.0	-17.7
529.0	1735.1	75.233	167.42	-319.0	-17.0
530.0	1738.4	74.932	166.88	-301.0	-16.0
531.0	1741.7	74.658	166.40	-264.0	-14.4
532.0	1745.0	74.422	165.96	-246.0	-13.9
533.0	1748.2	74.258	165.66	-164.0	-8.0
534.0	1751.5	74.086	165.35	-172.0	-8.4
535.0	1754.8	73.927	165.07	-159.0	-7.7
536.0	1758.1	73.765	164.78	-162.0	-7.9
537.0	1761.4	73.598	164.48	-167.0	-8.0
538.0	1764.6	73.444	164.20	-154.0	-7.4
539.0	1767.9	73.326	163.99	-118.0	-5.9
540.0	1771.2	73.203	163.77	-123.0	-6.0
541.0	1774.5	73.103	163.59	-100.0	-5.0
542.0	1777.8	73.034	163.46	-69.0	-3.8
543.0	1781.0	72.992	163.39	-42.0	-2.3
544.0	1784.3	72.986	163.37	-6.0	-0.3
545.0	1787.6	73.025	163.44	39.0	2.1
546.0	1790.9	73.117	163.61	92.0	5.1
547.0	1794.2	73.274	163.89	157.0	8.0
548.0	1797.4	73.452	164.21	178.0	9.0
549.0	1800.7	73.780	164.80	328.0	16.0

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LOCATION: NEWBURY CRATER OREGON
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PAGE 14

HOLE NAME: NEWBURY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
550.0	1804.0	74.120	165.42	340.0	18.7
551.0	1807.3	74.569	166.22	449.0	24.6
552.0	1810.6	74.991	166.98	423.0	23.2
553.0	1813.9	75.538	167.97	547.0	30.0
554.0	1817.1	76.080	168.94	542.0	28.7
555.0	1820.4	76.591	169.86	511.0	28.0
556.0	1823.7	77.036	170.66	445.0	24.4
557.0	1827.0	77.354	171.24	318.0	17.7
558.0	1830.2	77.577	171.64	229.0	12.7
559.0	1833.5	77.696	171.86	119.0	6.6
560.0	1836.8	77.859	172.15	152.0	8.3
561.0	1840.1	77.944	172.12	-15.0	-0.8
562.0	1843.4	77.717	171.89	-127.0	-7.0
563.0	1846.6	77.578	171.64	-139.0	-7.7
564.0	1849.9	77.383	171.28	-195.0	-11.0
565.0	1853.2	77.138	170.85	-245.0	-13.4
566.0	1856.5	76.946	170.50	-192.0	-10.7
567.0	1859.8	76.693	170.05	-293.0	-16.3
568.0	1863.0	76.517	169.73	-176.0	-9.8
569.0	1866.3	76.352	169.43	-165.0	-9.2
570.0	1869.6	76.194	169.15	-158.0	-8.7
571.0	1872.9	76.043	168.88	-151.0	-8.2
572.0	1876.2	75.902	168.62	-141.0	-7.7
573.0	1879.4	75.780	168.40	-122.0	-6.7
574.0	1882.7	75.667	168.20	-113.0	-6.2
575.0	1886.0	75.560	168.01	-107.0	-5.9
576.0	1889.3	75.468	167.88	-72.0	-4.4
577.0	1892.6	75.416	167.75	-72.0	-4.4
578.0	1895.9	75.368	167.66	-46.0	-3.0
579.0	1899.1	75.331	167.60	-37.0	-2.4
580.0	1902.4	75.310	167.56	21.0	1.1
581.0	1905.7	75.316	167.57	6.0	0.3
582.0	1909.0	75.327	167.59	11.0	0.6
583.0	1912.2	75.341	167.61	14.0	0.8
584.0	1915.5	75.363	167.65	22.0	1.1
585.0	1918.8	75.386	167.69	23.0	1.1
586.0	1922.1	75.412	167.74	26.0	1.4
587.0	1925.4	75.433	167.78	21.0	1.1
588.0	1928.6	75.463	167.83	30.0	1.6
589.0	1931.9	75.504	167.91	41.0	2.2
590.0	1935.2	75.582	168.05	78.0	4.3

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBRY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1938.5	1938.5	75.650	168.17	68.0	3.7
1941.0	1941.0	75.740	168.33	90.0	4.9
1945.0	1945.0	75.870	168.57	130.0	7.1
1948.3	1948.3	76.014	168.83	144.0	7.9
1951.6	1951.6	76.137	169.05	123.0	6.7
1954.9	1954.9	76.351	169.43	214.0	11.7
1958.2	1958.2	76.557	169.80	206.0	11.3
1961.4	1961.4	76.758	170.16	201.0	11.0
1964.7	1964.7	77.016	170.63	258.0	14.1
1968.0	1968.0	77.256	171.06	240.0	13.2
1971.3	1971.3	77.497	171.49	241.0	13.2
1974.6	1974.6	77.691	171.84	194.0	10.6
1977.8	1977.8	77.874	172.17	183.0	10.0
1981.1	1981.1	78.032	172.46	158.0	8.7
1984.4	1984.4	78.129	172.63	97.0	5.3
1987.7	1987.7	78.159	172.69	30.0	1.1
1991.0	1991.0	78.131	172.64	-28.0	-1.4
1994.2	1994.2	77.988	172.38	-143.0	-7.8
1997.5	1997.5	77.793	172.03	-195.0	-10.7
2000.8	2000.8	77.515	171.53	-278.0	-15.3
2004.1	2004.1	77.221	171.00	-294.0	-16.4
2007.4	2007.4	76.918	170.45	-303.0	-16.8
2010.6	2010.6	76.665	170.00	-253.0	-12.9
2013.9	2013.9	76.352	169.43	-313.0	-17.7
2017.2	2017.2	76.192	169.15	-160.0	-8.9
2020.5	2020.5	76.020	168.94	-172.0	-9.4
2023.8	2023.8	75.868	168.56	-152.0	-8.4
2027.0	2027.0	75.798	168.44	-70.0	-4.0
2030.3	2030.3	75.705	168.27	-93.0	-5.1
2033.6	2033.6	75.674	168.21	-31.0	-1.7
2036.9	2036.9	75.681	168.23	7.0	0.4
2040.2	2040.2	75.717	168.29	36.0	2.0
2043.4	2043.4	75.782	168.41	65.0	3.6
2046.7	2046.7	75.915	168.65	133.0	7.3
2050.0	2050.0	76.049	168.89	134.0	7.4
2053.3	2053.3	76.165	169.10	116.0	6.4
2056.6	2056.6	76.294	169.33	129.0	7.1
2059.8	2059.8	76.481	169.67	187.0	10.3
2063.1	2063.1	76.574	169.83	93.0	5.1
2066.4	2066.4	76.742	170.14	168.0	9.2
2069.7	2069.7	76.941	170.49	199.0	10.9

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBRY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
632.0	2073.0	77.091	170.76	150.0	8.0
633.0	2076.0	77.270	171.09	179.0	9.9
634.0	2079.0	77.453	171.43	193.0	10.7
635.0	2082.0	77.662	171.79	199.0	10.9
636.0	2086.1	77.789	172.02	127.0	7.0
637.0	2089.4	77.970	172.35	101.0	5.5
638.0	2092.6	78.124	172.63	154.0	8.5
639.0	2095.9	78.274	172.89	150.0	8.3
640.0	2099.1	78.373	173.07	99.0	5.4
641.0	2102.3	78.501	173.30	120.0	7.0
642.0	2105.5	78.624	173.52	123.0	7.3
643.0	2108.8	78.719	173.69	95.0	5.3
644.0	2112.0	78.823	173.89	104.0	5.7
645.0	2115.2	78.933	174.08	110.0	6.0
646.0	2118.4	79.011	174.22	78.0	4.4
647.0	2122.6	79.111	174.40	100.0	5.7
648.0	2125.8	79.219	174.59	100.0	5.7
649.0	2129.0	79.329	174.79	110.0	6.0
650.0	2132.2	79.409	174.94	80.0	4.7
651.0	2135.4	79.517	175.13	100.0	5.7
652.0	2138.6	79.618	175.31	101.0	5.8
653.0	2141.8	79.684	175.43	66.0	4.0
654.0	2145.0	79.809	175.66	125.0	7.0
655.0	2148.2	79.868	175.76	59.0	4.0
656.0	2151.4	79.957	175.92	89.0	4.9
657.0	2155.0	80.045	176.08	88.0	4.9
658.0	2158.2	80.134	176.24	89.0	4.9
659.0	2161.4	80.271	176.49	137.0	7.7
660.0	2164.6	80.335	176.60	64.0	4.0
661.0	2168.1	80.471	176.85	136.0	7.6
662.0	2171.4	80.660	177.19	109.0	6.1
663.0	2174.6	80.848	177.53	100.0	5.7
664.0	2177.8	81.057	177.90	209.0	11.6
665.0	2181.0	81.256	178.26	199.0	10.9
666.0	2184.2	81.401	178.52	145.0	8.0
667.0	2187.4	81.754	179.16	353.0	19.4
668.0	2191.0	82.073	179.73	319.0	17.7
669.0	2194.2	82.201	179.96	120.0	7.0
670.0	2197.4	82.387	180.30	105.0	6.0
671.0	2200.6	82.989	181.38	602.0	33.4
672.0	2204.2	83.514	182.33	525.0	28.0

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LOCATION: NEWBURY CRATER OREGON

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HOLE NAME: NEWBURY

DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
673.0	2207.4	83.895	183.01	381.0	20.9
674.0	2210.7	84.641	184.35	746.0	40.9
675.0	2214.0	85.355	185.64	714.0	39.2
676.0	2217.3	86.008	186.81	653.0	35.8
677.0	2220.6	86.691	188.04	683.0	37.5
678.0	2223.8	88.106	190.59	1415.0	77.7
679.0	2227.1	88.615	191.51	509.0	27.9
680.0	2230.4	89.143	192.46	528.0	28.9
681.0	2233.7	90.314	194.57	1171.0	64.3
682.0	2237.0	91.233	196.22	919.0	50.4
683.0	2240.2	92.533	198.65	1350.0	74.1
684.0	2243.5	92.450	198.41	-133.0	-7.3
685.0	2246.8	94.036	201.26	1586.0	87.0
686.0	2250.1	95.387	203.70	1351.0	74.1
687.0	2253.4	97.260	207.07	1873.0	102.8
688.0	2256.6	97.752	207.95	492.0	27.0
689.0	2259.9	99.655	211.38	1903.0	104.4
690.0	2263.2	100.870	213.57	1215.0	66.7
691.0	2266.5	102.124	215.82	1254.0	68.8
692.0	2269.8	103.121	217.62	997.0	54.7
693.0	2273.0	104.086	219.35	965.0	53.0
694.0	2276.3	105.333	221.60	1247.0	68.4
695.0	2279.6	106.061	222.91	728.0	40.0
696.0	2282.9	107.364	225.26	1303.0	71.5
697.0	2286.2	108.908	228.03	1544.0	84.7
698.0	2289.4	110.010	230.02	1102.0	60.5
699.0	2292.7	111.204	232.17	1194.0	65.5
700.0	2296.0	112.341	234.21	1137.0	62.4
701.0	2299.3	113.220	235.80	879.0	48.2
702.0	2302.6	113.865	236.96	645.0	35.4
703.0	2305.8	115.254	239.46	1389.0	76.7
704.0	2309.1	115.896	240.61	642.0	35.2
705.0	2312.4	117.163	242.89	1267.0	69.5
706.0	2315.7	117.641	243.57	378.0	20.7
707.0	2319.0	118.644	245.56	1103.0	60.5
708.0	2322.2	119.571	247.23	927.0	50.9
709.0	2325.5	120.334	248.60	763.0	41.9
710.0	2328.8	121.162	250.09	828.0	45.4
711.0	2332.1	122.338	252.21	1176.0	64.5
712.0	2335.4	123.407	254.13	1069.0	58.7
713.0	2338.6	124.152	255.47	745.0	40.9

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LOCATION: NEWBURY CRATER OREGON
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HOLE NAME: NEWBURY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
714.0	2341.9	125.173	257.31	1021.0	55.0
715.0	2345.2	126.315	259.37	1142.0	62.7
716.0	2348.5	127.127	260.83	812.0	44.6
717.0	2351.8	128.023	262.44	896.0	49.5
718.0	2355.0	128.945	264.10	922.0	50.6
719.0	2358.3	129.926	265.87	981.0	53.9
720.0	2361.6	130.635	267.14	709.0	39.9
721.0	2364.9	131.751	269.15	1116.0	61.4
722.0	2368.2	132.490	270.48	739.0	40.6
723.0	2371.4	133.329	271.99	839.0	46.0
724.0	2374.7	134.340	273.81	1011.0	55.5
725.0	2378.0	135.167	275.30	827.0	45.4
726.0	2381.3	135.933	276.68	766.0	42.0
727.0	2384.6	136.987	278.58	1054.0	57.4
728.0	2387.9	137.725	279.91	738.0	40.3
729.0	2391.1	138.688	281.64	963.0	52.6
730.0	2394.4	139.637	283.35	949.0	51.1
731.0	2397.7	140.472	284.85	835.0	45.4
732.0	2401.0	141.317	286.37	845.0	46.4
733.0	2404.2	142.244	288.04	927.0	50.9
734.0	2407.5	147.627	297.73	5383.0	289.4
735.0	2410.8	143.924	291.06	-3703.0	-203.4
736.0	2414.1	145.070	293.13	1146.0	62.9
737.0	2417.4	145.722	294.30	652.0	35.6
738.0	2420.6	146.355	295.46	643.0	35.1
739.0	2423.9	146.731	296.12	366.0	20.1
740.0	2427.2	147.459	297.43	728.0	40.3
741.0	2430.5	148.025	298.45	566.0	31.1
742.0	2433.8	148.765	299.78	740.0	40.6
743.0	2437.0	149.594	301.27	829.0	45.4
744.0	2440.3	150.246	302.44	652.0	35.6
745.0	2443.6	150.995	303.79	749.0	41.1
746.0	2446.9	152.287	306.12	1292.0	70.9
747.0	2450.2	153.748	308.75	1461.0	80.6
748.0	2453.4	155.138	311.25	1390.0	76.5
749.0	2456.7	155.980	311.68	242.0	13.3
750.0	2460.0	155.996	312.79	616.0	33.3
751.0	2463.3	155.590	312.06	-406.0	-22.1
752.0	2466.6	156.300	313.34	710.0	39.3
753.0	2469.9	157.152	314.87	852.0	46.4
754.0	2473.1	158.295	316.86	1103.0	60.5

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LOCATION: NEWBURY CRATER OREGON
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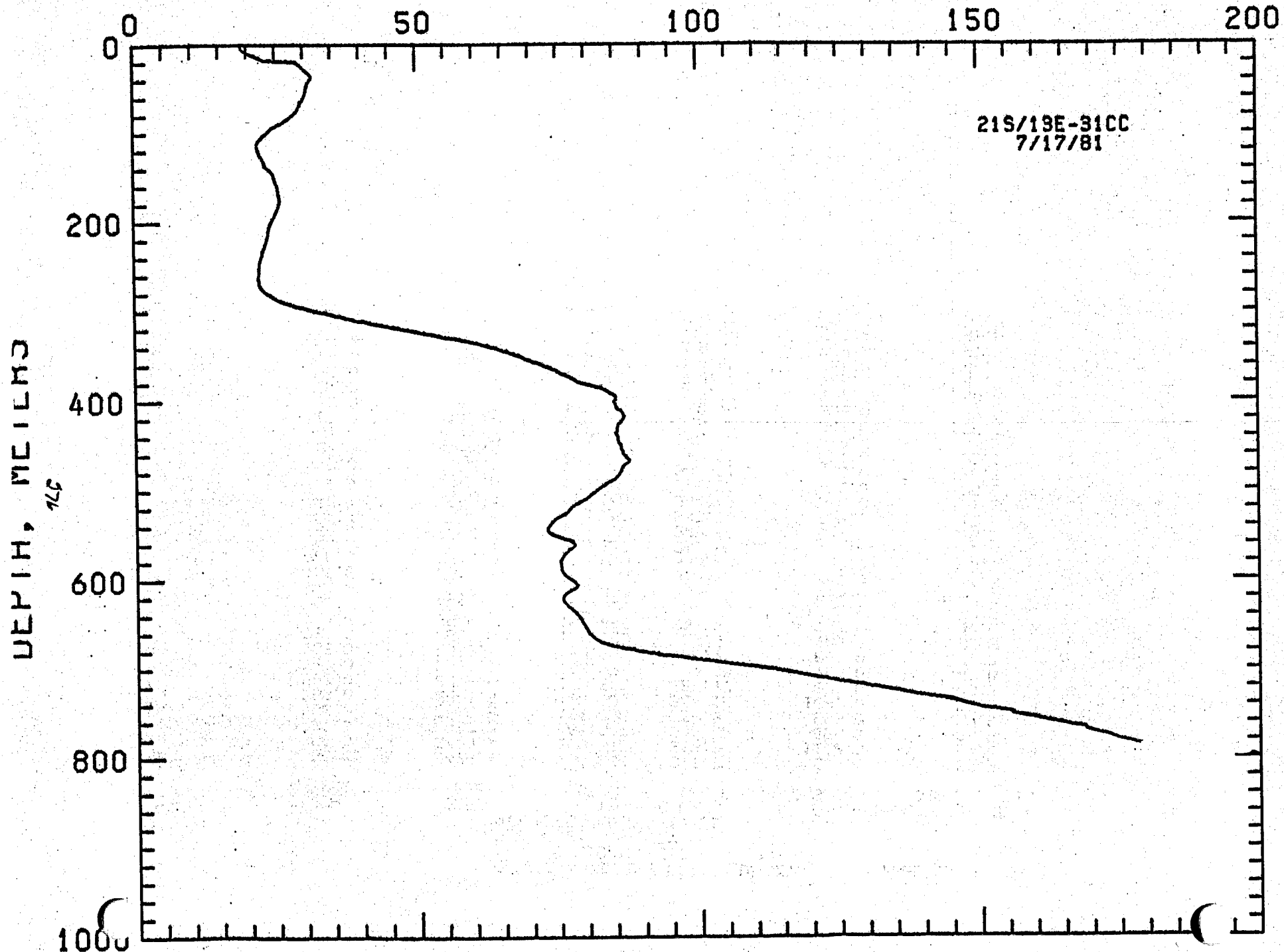
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HOLE NAME: NEWBRY
DATE MEASURED: 7/17/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
755.0	2476.4	158.860	317.95	605.0	33.2
756.0	2479.7	159.972	319.95	1112.0	61.0
757.0	2483.0	160.627	321.13	655.0	35.9
758.0	2486.2	161.226	322.21	599.0	32.0
759.0	2489.5	162.307	324.15	1081.0	59.3
760.0	2492.8	163.206	325.77	899.0	49.0
761.0	2496.1	163.971	327.15	765.0	42.0
762.0	2499.4	164.840	328.71	859.0	47.7
763.0	2502.6	165.549	329.99	709.0	38.9
764.0	2505.9	166.289	331.32	740.0	40.6
765.0	2509.2	167.525	333.54	1236.0	67.0
766.0	2512.5	168.494	335.29	969.0	53.2
767.0	2515.8	168.754	335.76	260.0	14.0
768.0	2519.0	168.814	335.87	60.0	6.0
769.0	2522.3	168.915	336.05	101.0	5.5
770.0	2525.6	172.884	343.19	661.5	36.0
771.0	2528.9	173.203	343.77	319.0	17.0
772.0	2532.2	173.591	344.46	388.0	21.0
773.0	2535.5	174.047	345.28	456.0	25.0
774.0	2538.8	174.563	346.21	516.0	28.0
775.0	2542.1	175.130	347.23	567.0	31.0
776.0	2545.4	175.754	348.36	624.0	34.0
777.0	2548.7	176.400	349.52	646.0	35.0
778.0	2552.0	177.086	350.75	686.0	37.0
779.0	2555.3	177.819	352.07	733.0	40.0
780.0	2558.6	178.567	353.42	748.0	41.0
781.0	2561.9	179.371	354.87	804.0	44.0
782.0	2565.2	180.240	356.43	869.0	47.0
783.0	2568.5	181.142	358.06	902.0	49.0
784.0	2571.8	182.065	359.72	923.0	50.0

325

TEMPERATURE, DEG C



LOCATION: ROSENBERG AMS, OREGON

22S/ 4E- 6ADD

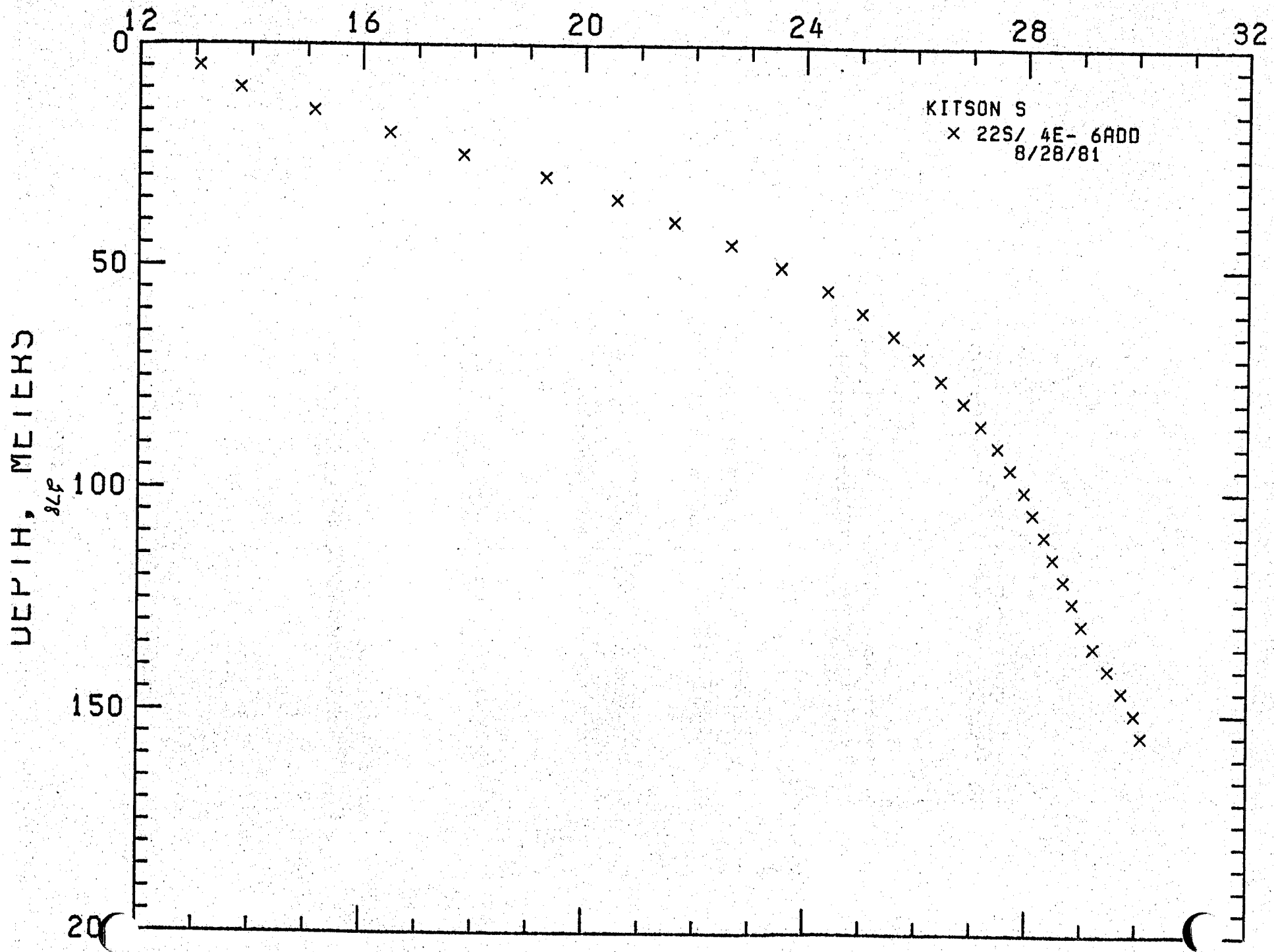
HOLE NAME: KITSON S

DATE MEASURED: 8/28/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	13.070	55.53	0.0	0.0
10.0	32.8	13.800	56.84	146.0	0.0
15.0	49.2	15.130	59.23	266.0	14.6
20.0	65.6	16.490	61.68	272.0	14.9
25.0	82.0	17.820	64.08	266.0	14.6
30.0	98.4	19.300	66.74	296.0	16.2
35.0	114.8	20.580	69.04	256.0	14.8
40.0	131.2	21.620	70.92	208.0	11.4
45.0	147.6	22.650	72.77	206.0	11.3
50.0	164.0	23.570	74.43	184.0	10.1
55.0	180.4	24.400	75.92	166.0	9.9
60.0	196.8	25.030	77.05	126.0	6.9
65.0	213.2	25.590	78.06	112.0	6.0
70.0	229.6	26.040	78.87	98.0	4.4
75.0	246.0	26.440	79.59	80.0	4.4
80.0	262.4	26.860	80.35	81.0	4.4
85.0	278.8	27.160	80.89	62.0	4.4
90.0	295.2	27.470	81.45	52.0	4.4
95.0	311.6	27.700	81.86	46.0	4.4
100.0	328.0	27.950	82.31	50.0	4.4
105.0	344.4	28.120	82.62	34.0	4.4
110.0	360.8	28.320	82.98	40.0	4.4
115.0	377.2	28.480	83.26	32.0	4.4
120.0	393.6	28.670	83.61	38.0	4.4
125.0	410.0	28.830	83.89	32.0	4.4
130.0	426.4	29.010	84.22	36.0	4.4
135.0	442.8	29.220	84.60	42.0	4.4
140.0	459.2	29.480	85.06	52.0	4.4
145.0	475.6	29.740	85.53	52.0	4.4
150.0	492.0	29.960	85.93	44.0	4.4
155.0	508.4	30.090	86.16	26.0	4.4

377

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON

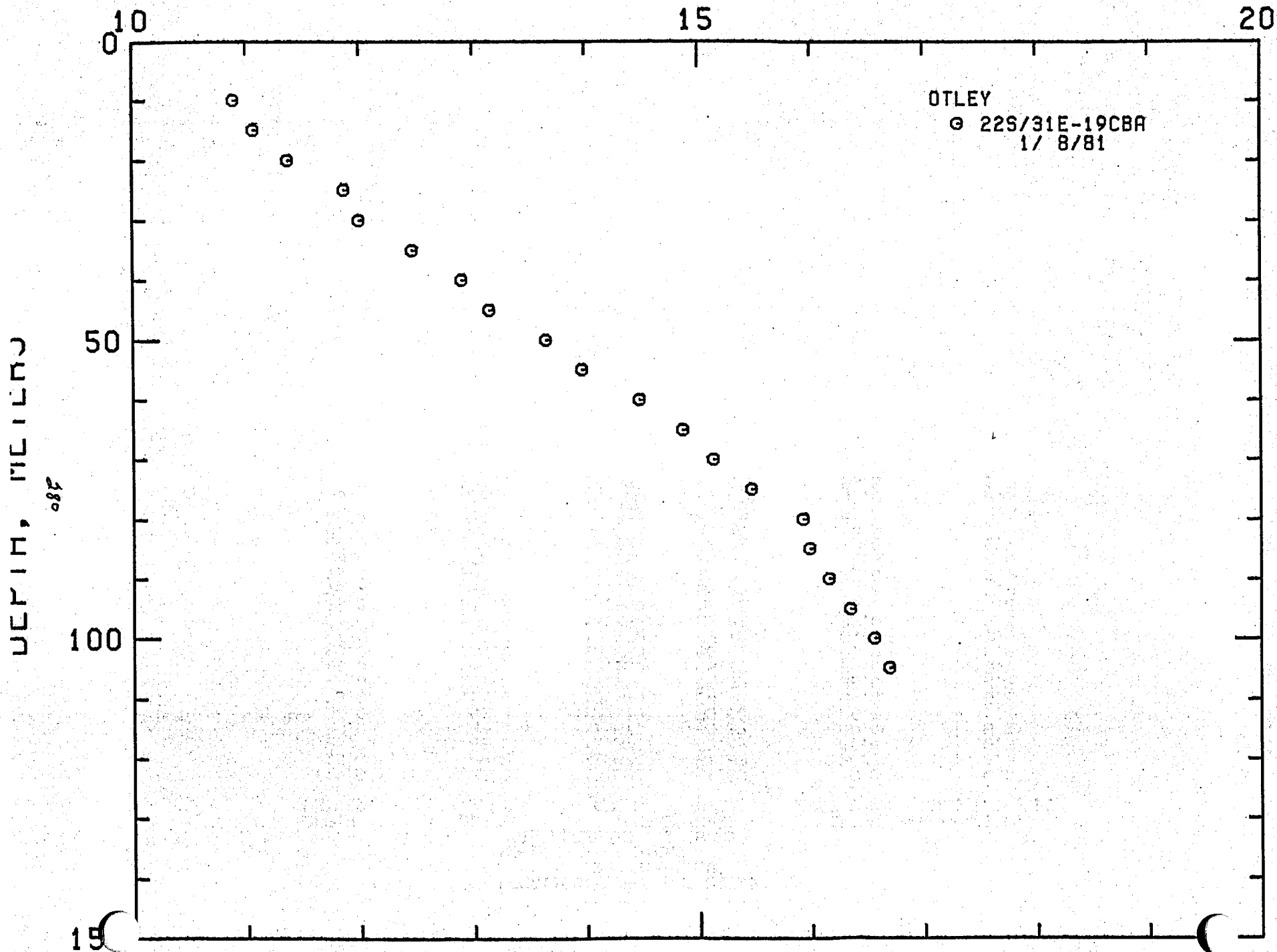
229/31E-19CBA

HOLE NAME: OTLEY

DATE MEASURED: 1/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.890	51.60	0.0	0.0
15.0	49.2	11.070	51.93	36.0	2.0
20.0	65.6	11.370	52.47	60.0	3.3
25.0	82.0	11.670	53.01	100.0	5.5
30.0	98.4	12.000	53.60	26.0	1.4
35.0	114.8	12.470	54.45	94.0	5.2
40.0	131.2	12.900	55.22	86.0	4.7
45.0	147.6	13.150	55.67	50.0	2.7
50.0	164.0	13.650	56.57	100.0	5.5
55.0	180.4	13.970	57.15	64.0	3.5
60.0	196.8	14.490	58.06	102.0	5.6
65.0	213.2	14.860	58.75	76.0	4.2
70.0	229.6	15.130	59.23	54.0	3.0
75.0	246.0	15.470	59.85	68.0	3.7
80.0	262.4	15.930	60.67	92.0	5.0
85.0	278.8	15.990	60.78	12.0	0.6
90.0	295.2	16.160	61.09	34.0	1.9
95.0	311.6	16.350	61.43	38.0	2.1
100.0	328.0	16.560	61.81	42.0	2.3
104.9	344.1	16.690	62.04	26.5	1.5

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON
 22S/31E-36ABA
 HOLE NAME: HOYT 2
 DATE MEASURED: 12/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	11.980	53.56	0.0	0.0
10.0	32.8	12.020	53.64	16.0	0.9
12.5	41.0	12.090	53.76	28.0	1.5
15.0	49.2	12.270	54.09	42.0	2.3
17.5	57.4	12.620	54.72	72.0	4.0
20.0	65.6	12.870	55.17	140.0	7.7
22.5	73.8	13.140	55.65	180.0	9.9
25.0	82.0	13.240	55.83	148.0	8.1
27.5	90.2	13.770	56.79	212.0	11.6
30.0	98.4	14.130	57.43	144.0	7.9
32.5	98.4	14.430	57.97	120.0	6.6
35.0	106.6	14.820	58.68	156.0	8.6
37.5	114.8	15.200	59.36	152.0	8.3
40.0	123.0	15.500	59.90	120.0	6.6
42.5	131.2	15.700	60.26	80.0	4.4
45.0	139.4	15.860	60.55	64.0	3.5
47.5	147.6	16.100	60.98	96.0	5.3
50.0	155.8	16.330	61.39	92.0	5.0
52.5	164.0	16.540	61.77	84.0	4.6
55.0	172.2	16.780	62.20	96.0	5.3
57.5	180.4	17.000	62.60	88.0	4.8
60.0	188.6	17.230	63.01	92.0	5.0
62.5	196.8	17.410	63.34	72.0	4.0
65.0	205.0	17.660	63.79	100.0	5.5
67.5	213.2	17.850	64.13	76.0	4.2
70.0	221.4	18.030	64.45	72.0	4.0
72.5	229.6	18.220	64.80	76.0	4.2
75.0	237.8	18.430	65.17	84.0	4.6
77.5	246.0	18.560	65.41	92.0	5.0
80.0	254.2	18.790	65.82	92.0	5.0
82.5	262.4	18.950	66.11	64.0	3.5
85.0	270.6	19.130	66.43	72.0	4.0
87.5	278.8	19.290	66.72	64.0	3.5
90.0	287.0	19.490	67.08	80.0	4.4
92.5	295.2	19.790	67.62	120.0	6.6
95.0	303.4	19.930	67.87	56.0	3.1
97.5	311.6	20.180	68.32	100.0	5.5
100.0	319.8	20.400	68.72	88.0	4.8
102.5	328.0	20.600	69.08	80.0	4.4
105.0	336.2	20.690	69.22	32.0	1.8
107.5	344.4	20.740	69.33	24.0	1.3
110.0	352.6	20.840	69.51	40.0	2.2

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LOCATION: BURNS AMS OREGON

PAGE 2

229/31E-36ABA

HOLE NAME: HOYT 2

DATE MEASURED: 12/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
110.0	360.8	20.890	69.60	20.0	1.1
115.0	377.2	20.940	69.69	10.0	0.5
120.0	393.6	20.980	69.76	0.0	0.4
125.0	410.0	21.030	69.85	10.0	0.5
130.0	426.4	21.130	70.03	20.0	1.1
135.0	442.8	21.280	70.30	30.0	1.6
140.0	459.2	21.390	70.50	22.0	1.2
145.0	475.6	21.450	70.61	12.0	0.7
150.0	492.0	21.470	70.65	4.0	0.2
155.0	508.4	21.470	70.65	0.0	0.0
160.0	524.8	21.470	70.65	0.0	0.0
165.0	541.2	21.480	70.66	2.0	0.1
170.0	557.6	21.490	70.68	2.0	0.1
175.0	574.0	21.490	70.68	2.0	0.1
180.0	590.4	22.050	71.69	112.0	6.1
185.0	606.8	22.230	72.01	36.0	2.0
190.0	623.2	22.530	72.55	60.0	3.3
195.0	639.6	22.900	73.22	74.0	4.1

282

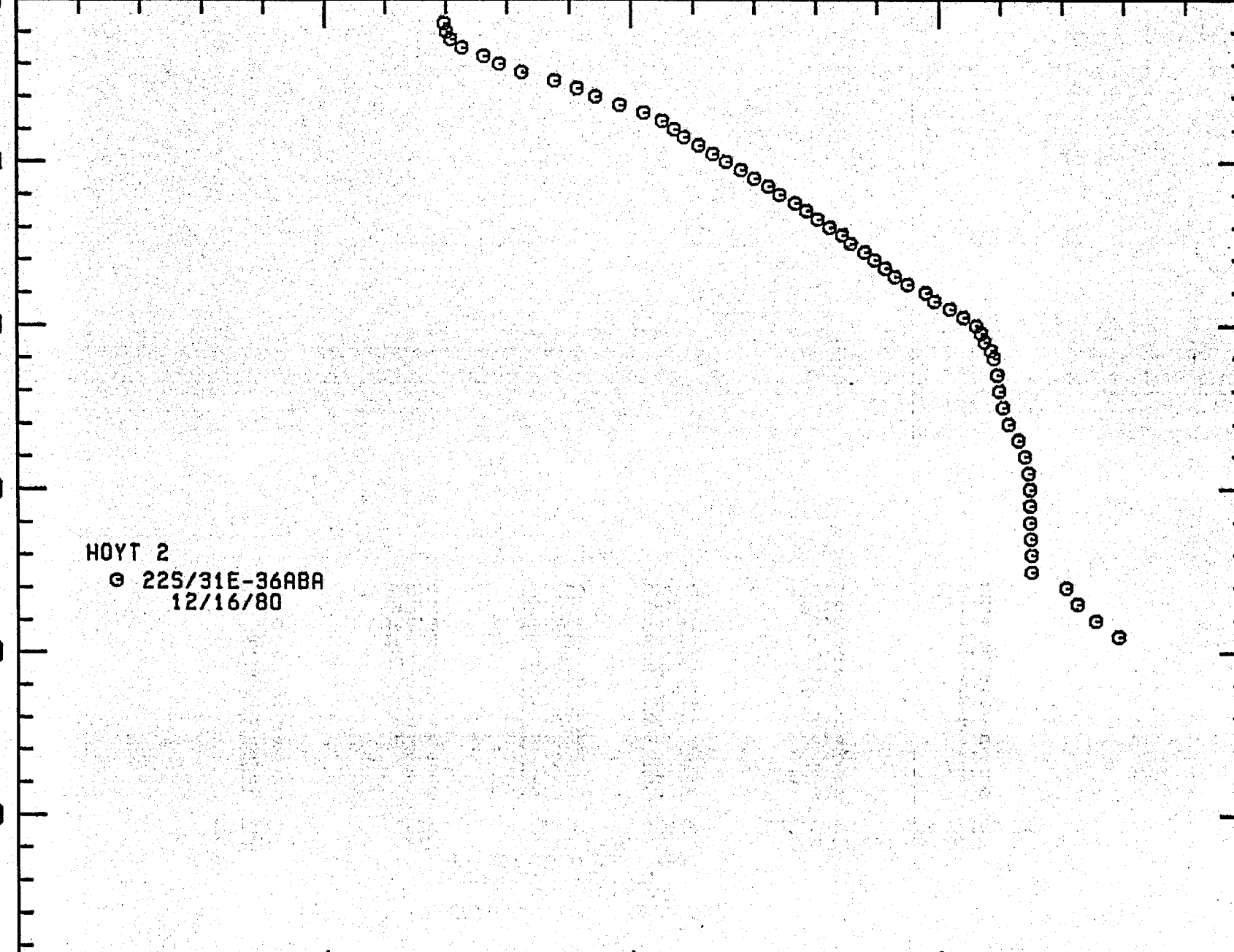
TEMPERATURE, DEG C

DEPTH, METERS

5
10
15
20
25

0
50
100
150
200
250
300

HOYT 2
⊙ 225/31E-36ABA
12/16/80



LOCATION: BURNS AMS OREGON
22S/31E-36BCD

HOLE NAME: HOYT FM
DATE MEASURED: 12/12/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.080	50.14	0.0	0.0
15.0	49.2	11.190	52.14	222.0	12.2
20.0	65.6	11.320	52.38	26.0	1.4
25.0	82.0	11.480	52.66	32.0	1.8
30.0	98.4	11.670	53.01	38.0	2.1
35.0	114.8	11.790	53.23	24.0	1.3
40.0	131.2	12.010	53.62	44.0	2.4
45.0	147.6	12.170	53.91	32.0	1.8
50.0	164.0	12.350	54.23	36.0	2.0
55.0	180.4	12.520	54.54	34.0	1.9
60.0	196.8	12.550	54.61	8.0	0.4
65.0	213.2	12.680	54.82	24.0	1.3
69.5	228.0	13.460	56.23	173.3	9.5

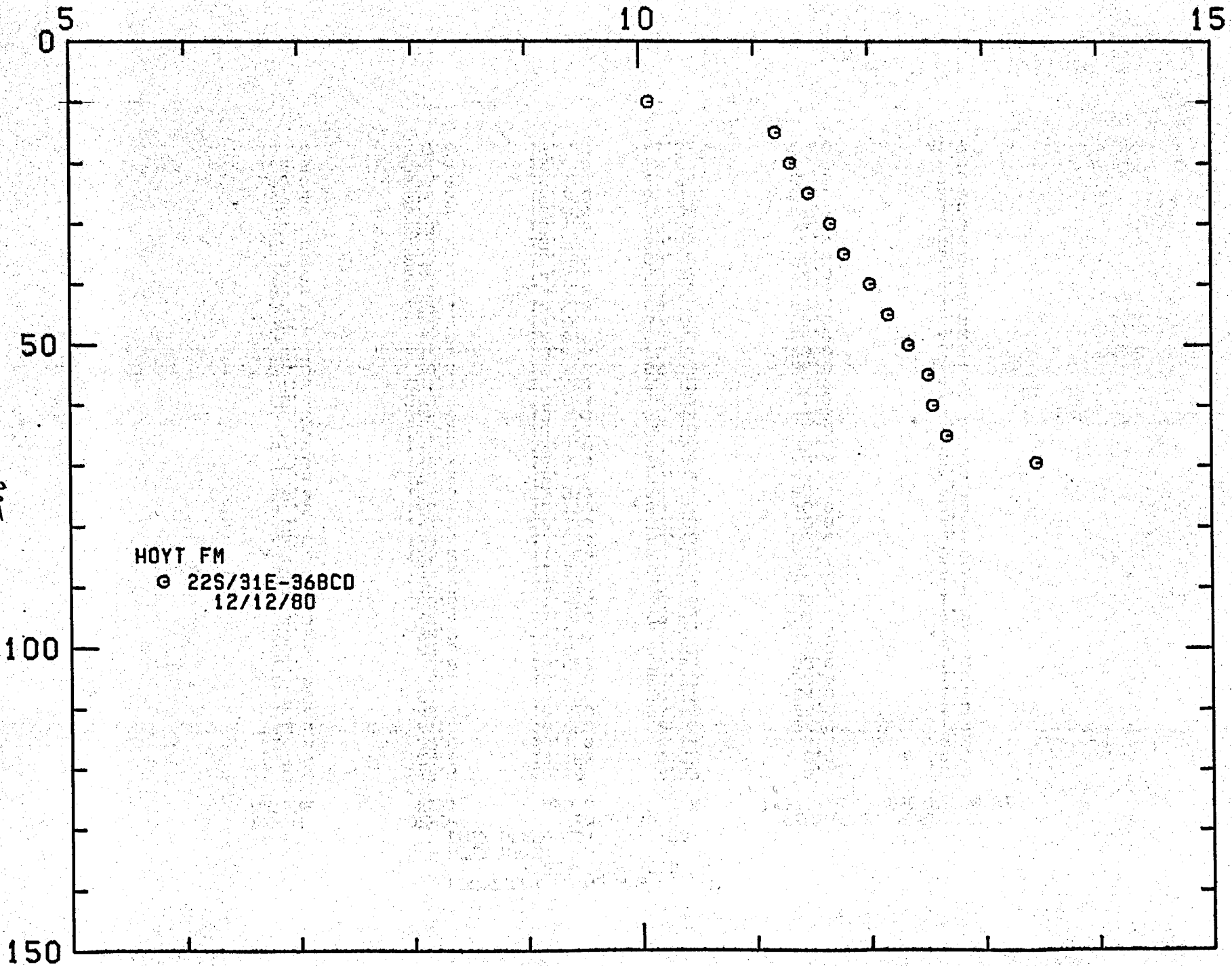
284

TEMPERATURE, DEG C

DEPTH, METERS

285

HOYT FM
O 225/31E-36BCD
12/12/80



TEMPERATURE, DEG C

15

20

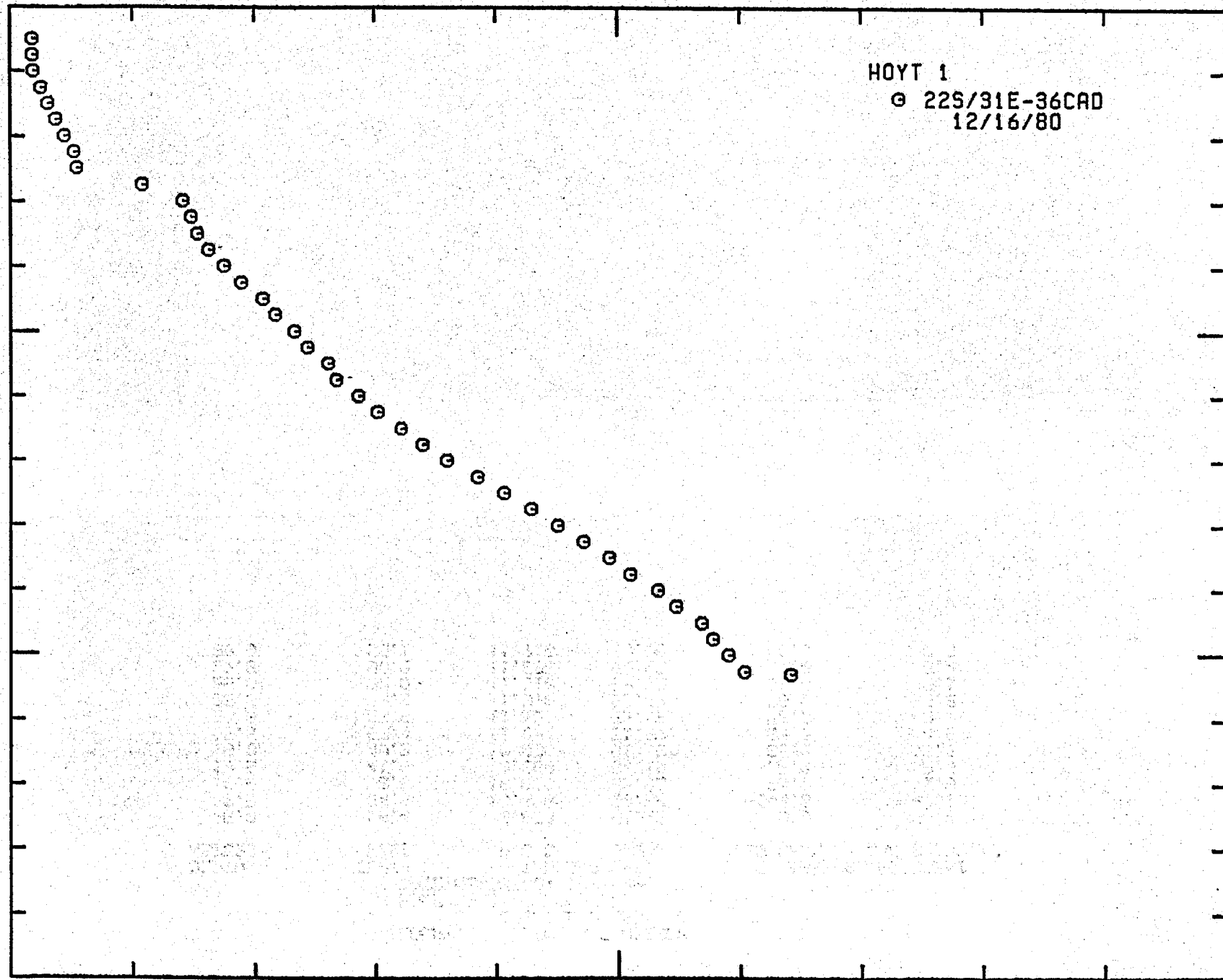
DEPTH, METERS

288

HOYT 1

⊙ 22S/31E-36CAD
12/16/80

0
50
100
150



LOCATION: BURNS AMS OREGON

22S/32E-33BBB

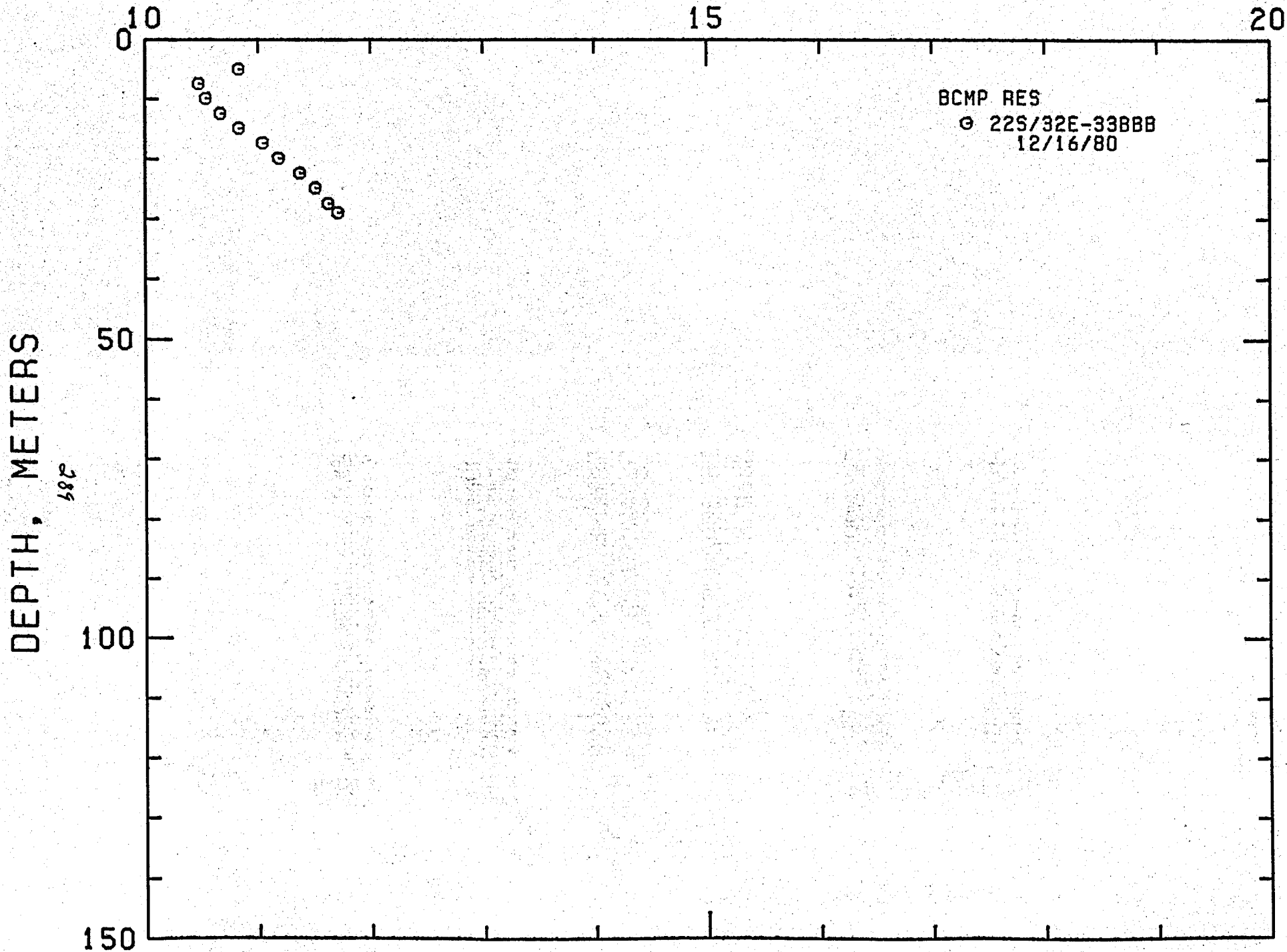
HOLE NAME: BCMP RES

DATE MEASURED: 12/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	10.830	51.49	0.0	0.0
7.5	24.6	10.470	50.85	-144.0	-7.9
10.0	32.8	10.530	50.95	24.0	1.3
12.5	41.0	10.650	51.19	53.0	2.9
15.0	49.2	10.830	51.49	68.0	3.7
17.5	57.4	11.040	51.87	84.0	4.6
20.0	65.6	11.180	52.12	56.0	3.1
22.5	73.8	11.370	52.47	76.0	4.2
25.0	82.0	11.510	52.72	56.0	3.1
27.5	90.2	11.620	52.92	44.0	2.4
30.0	98.4	11.710	53.08	60.0	3.3

888

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON

225/32E-34CDC

HOLE NAME: CTORHLY

DATE MEASURED: 12/11/80

DEPTH
METERS

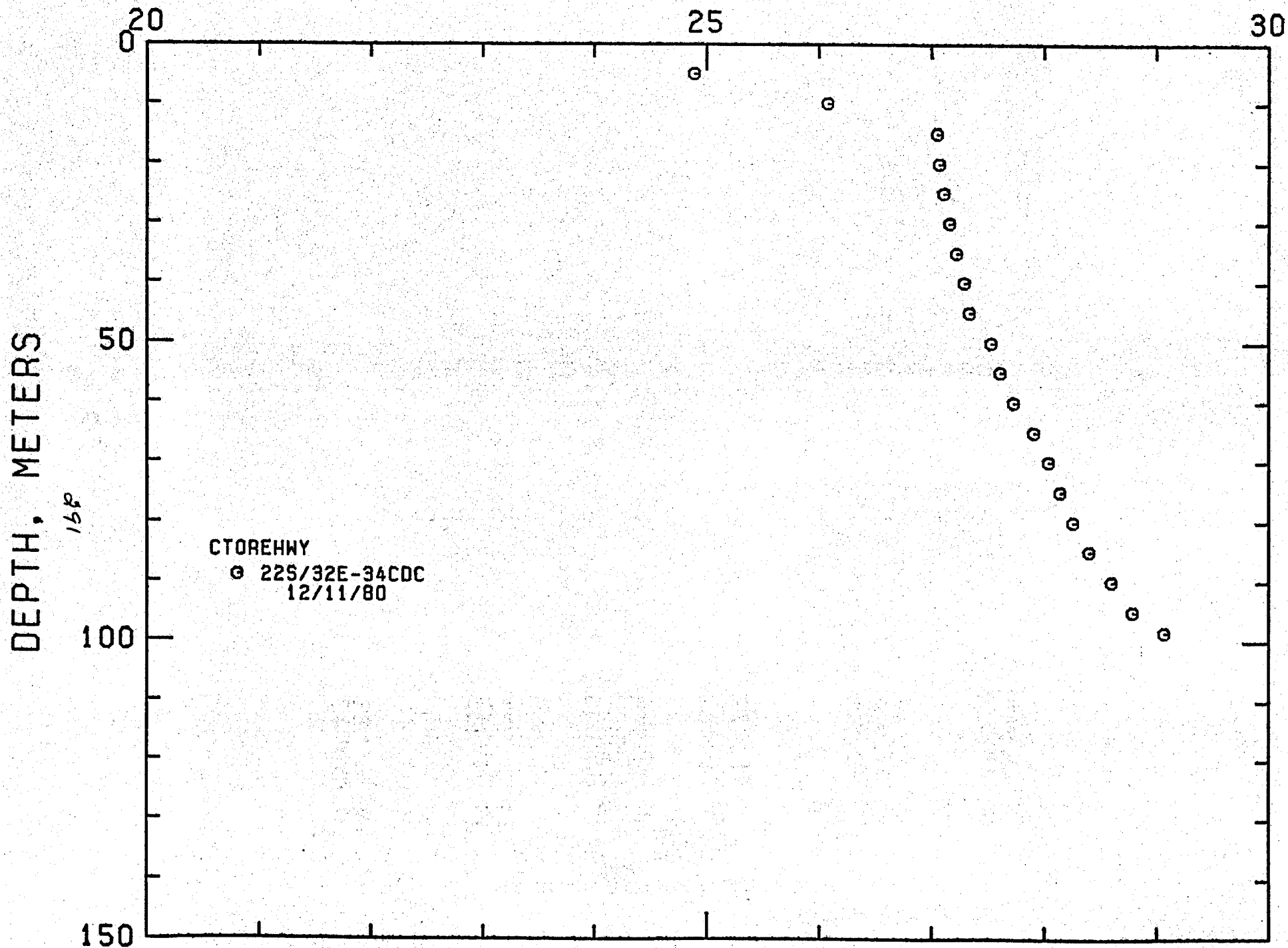
DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	24.890	76.80	0.0	0.0
10.0	32.8	26.080	78.94	238.0	13.1
15.0	49.2	27.050	80.69	194.0	10.6
20.0	65.6	27.070	80.73	4.0	0.2
25.0	82.0	27.110	80.80	8.0	0.4
30.0	98.4	27.150	80.89	10.0	0.5
35.0	114.8	27.220	81.00	12.0	0.7
40.0	131.2	27.290	81.12	14.0	0.8
45.0	147.6	27.340	81.21	10.0	0.5
50.0	164.0	27.530	81.55	38.0	2.1
55.0	180.4	27.610	81.70	16.0	0.9
60.0	196.8	27.730	81.91	24.0	1.3
65.0	213.2	27.910	82.24	36.0	2.0
70.0	229.6	28.040	82.47	26.0	1.4
75.0	246.0	28.140	82.65	20.0	1.1
80.0	262.4	28.260	82.87	24.0	1.3
85.0	278.8	28.400	83.12	28.0	1.5
90.0	295.2	28.500	83.48	40.0	2.2
95.0	311.6	28.790	83.82	38.0	2.1
99.5	323.1	29.070	84.33	80.0	4.4

TEMPERATURE, DEG C



LOCATION: BURN AMS OREGON

23S/30E-26

HOLE NAME: HINEMILL

DATE MEASURED: 11/12/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

20.0
25.0
30.0
35.0
40.0
45.0

65.6
82.0
98.4
114.8
131.2
147.6

28.010
28.065
28.060
28.040
27.995
27.965

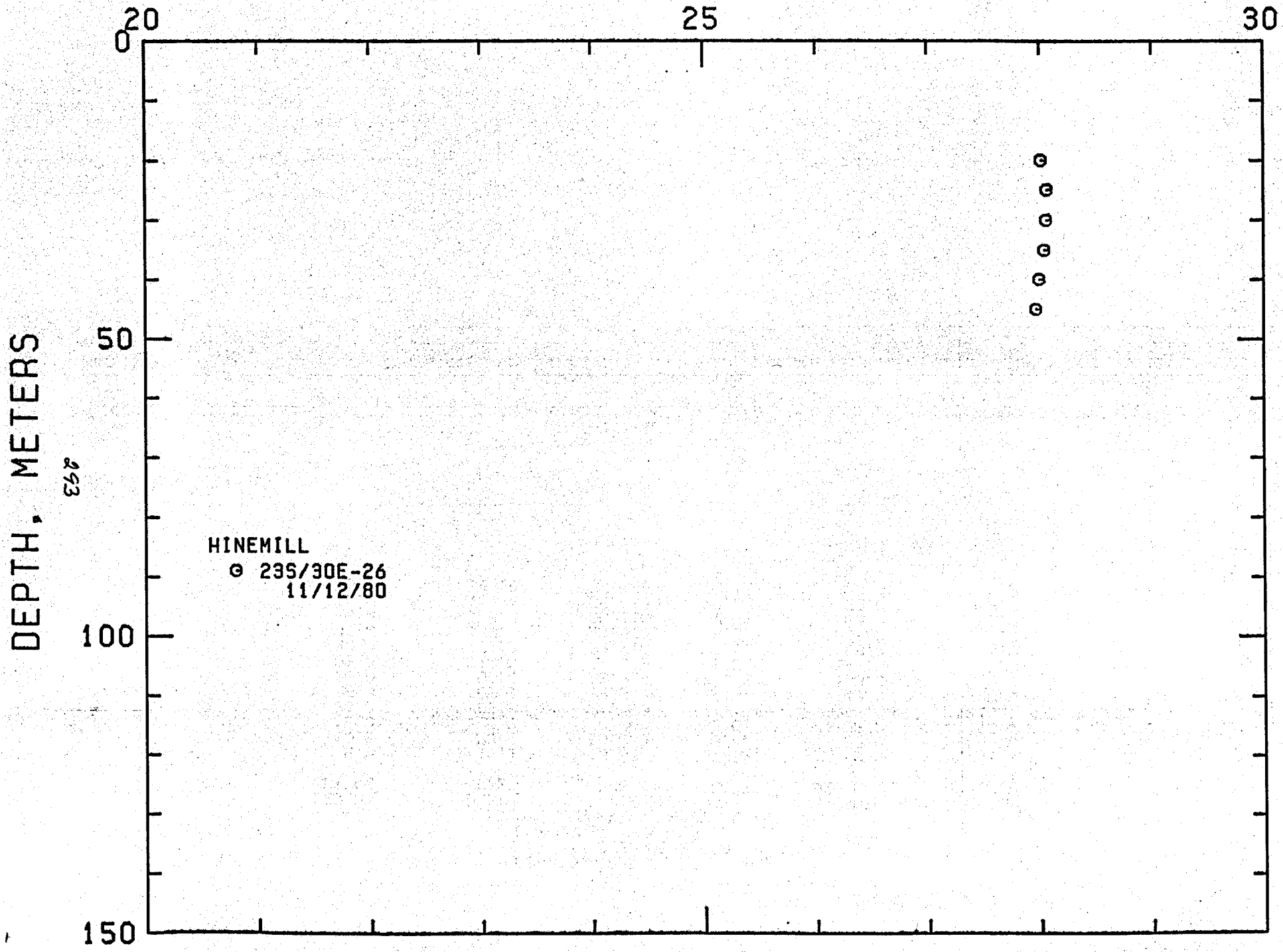
82.42
82.52
82.51
82.47
82.39
82.34

0.0
11.0
-1.0
-4.0
-5.0
-6.0

0.0
0.6
-0.6
-0.5
-0.5
-0.5

292

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

23S/30E-35DDA

HOLE NAME: KENYON

DATE MEASURED: 5/27/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE

DEG C

DEG F

GEOHERMAL GRADIENT

DEG C/KM

DEG F/100 FT

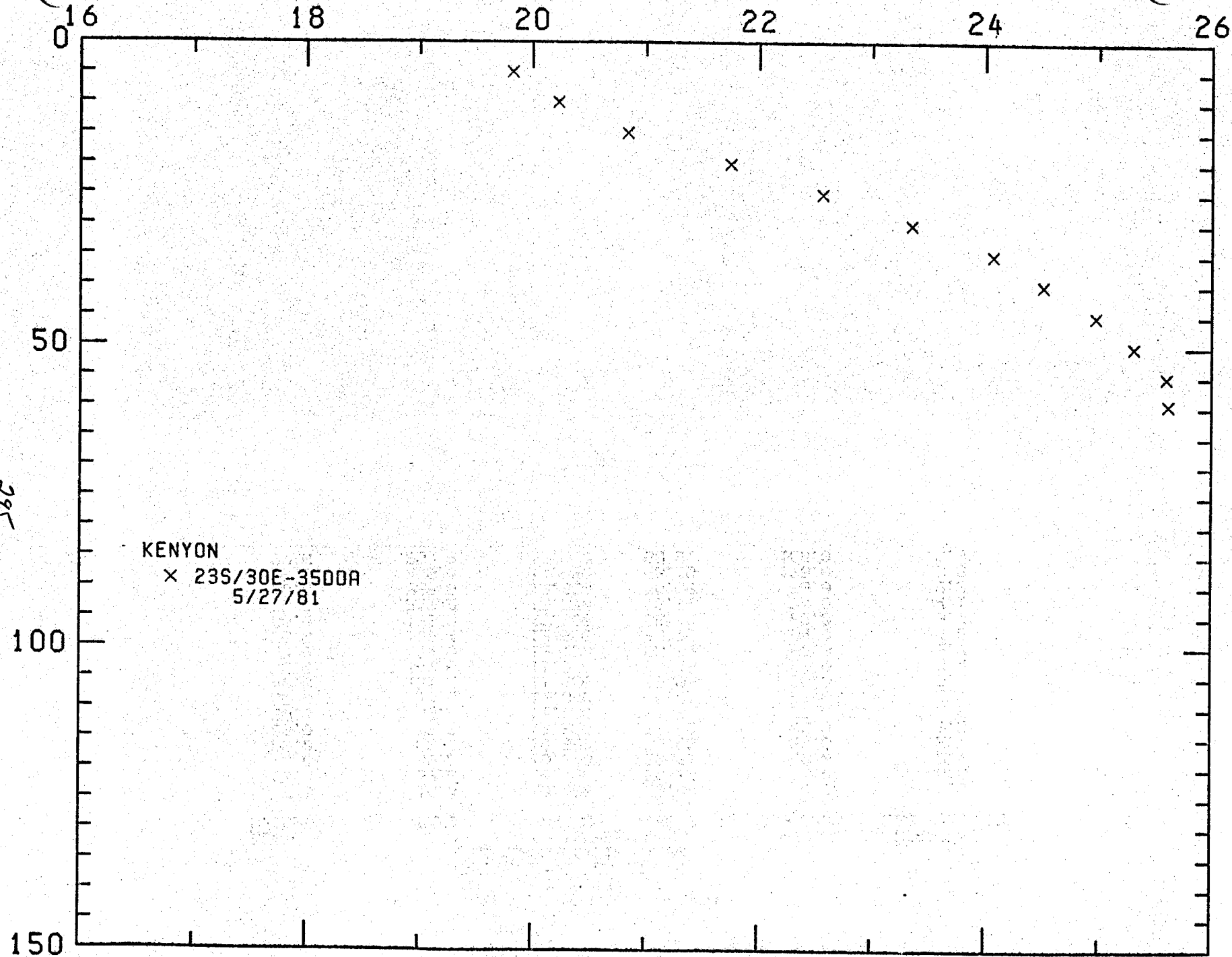
5.0	16.4	19.820	67.68	0.0	0.0
10.0	32.8	20.230	68.41	82.0	4.5
15.0	49.2	20.840	69.51	122.0	6.7
20.0	65.6	21.750	71.15	182.0	10.0
25.0	82.0	22.560	72.61	162.0	8.9
30.0	98.4	23.350	74.03	158.0	8.7
35.0	114.8	24.070	75.33	144.0	7.9
40.0	131.2	24.510	76.12	88.0	4.8
45.0	147.6	24.970	76.95	92.0	5.0
50.0	164.0	25.310	77.56	68.0	3.7
55.0	180.4	25.600	78.08	58.0	3.2
59.5	195.2	25.620	78.12	4.4	0.2

844

TEMPERATURE, DEG C

DEPTH, METERS

56c



LOCATION: BURNS AMS OREGON
235/31E- 1DAA

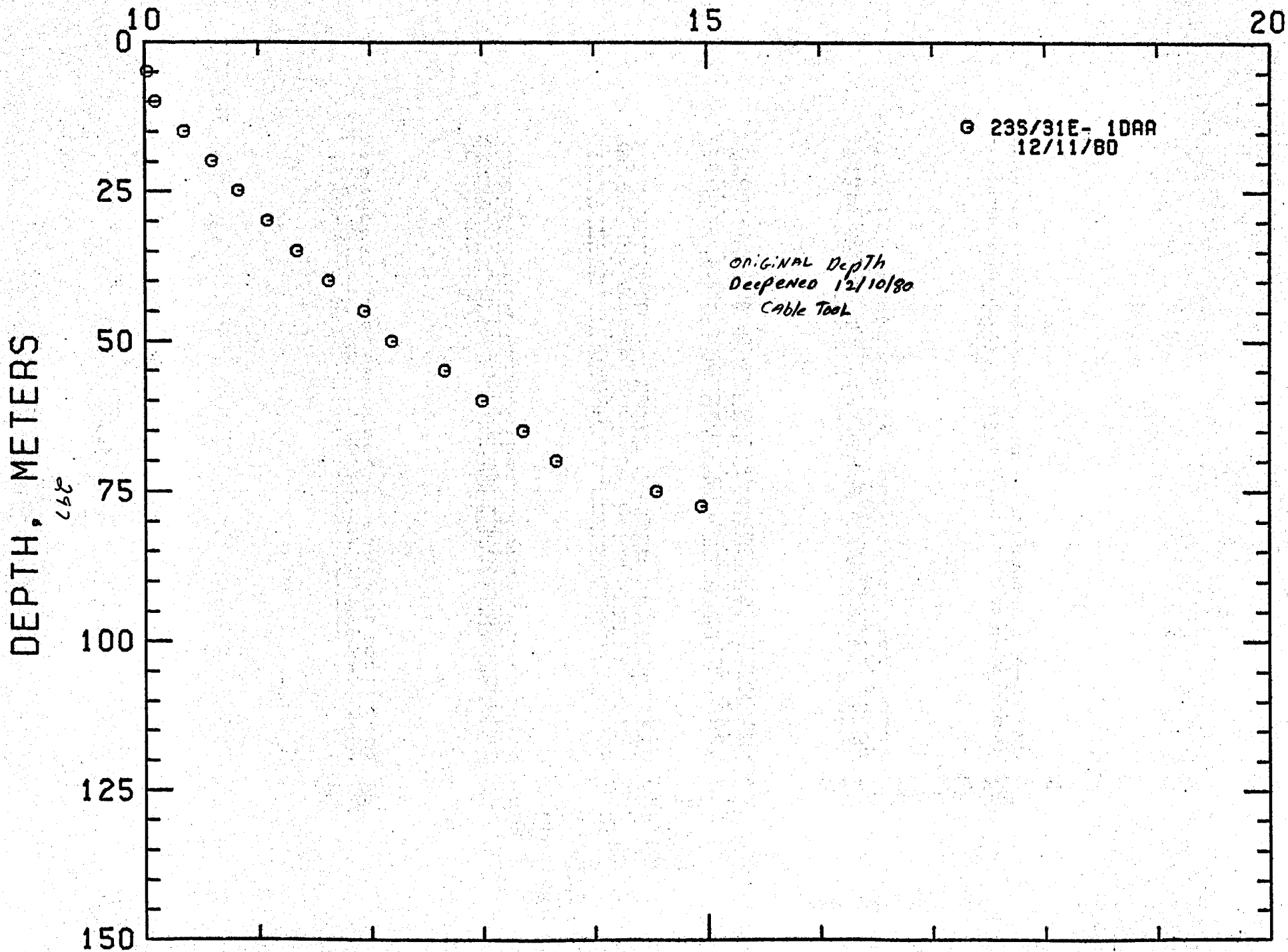
HOLE NAME: HODVER

DATE MEASURED: 12/11/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	10.020	50.04	0.0	0.0
10.0	32.8	10.090	50.16	14.0	0.8
15.0	49.2	10.340	50.61	50.0	2.7
20.0	65.6	10.590	51.06	50.0	2.7
25.0	82.0	10.820	51.48	46.0	2.5
30.0	98.4	11.080	51.94	52.0	2.9
35.0	114.8	11.340	52.41	52.0	2.9
40.0	131.2	11.630	52.93	58.0	3.2
45.0	147.6	11.940	53.49	62.0	3.4
50.0	164.0	12.190	53.94	50.0	2.7
55.0	180.4	12.660	54.79	94.0	5.2
60.0	196.8	13.000	55.40	68.0	3.7
65.0	213.2	13.370	56.07	74.0	4.1
70.0	229.6	13.660	56.59	58.0	3.2
75.0	246.0	14.550	58.19	178.0	10.0
77.5	254.2	14.950	58.91	160.0	9.0

296

TEMPERATURE, DEG C



LOCATION: BURNS AMS, ORE.

PAGE 3

23S/31E- 9BCCB

HOLE NAME: POTEET

DATE MEASURED: 11/ 4/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOHERMAL GRADIENT DEG C/KM	GEOHERMAL GRADIENT DEG F/100 FT
84.0	276.5	18.204	64.77	125.0	6.9
85.0	278.0	18.211	64.78	7.0	0.0
86.0	280.1	18.341	65.01	130.0	7.1
87.0	282.4	18.436	65.18	95.0	5.2
88.0	284.6	18.510	65.32	74.0	4.1
89.0	287.0	18.584	65.45	74.0	4.1
90.0	289.5	18.651	65.57	67.0	3.7
91.0	292.0	18.706	65.67	55.0	3.0
92.0	301.0	18.846	65.92	140.0	7.7
93.0	305.0	18.915	66.05	69.0	3.8
94.0	308.0	18.993	66.19	78.0	4.3
95.0	311.6	19.061	66.31	68.0	3.7
96.0	314.9	19.138	66.45	77.0	4.3
97.0	318.2	19.204	66.57	66.0	3.6
98.0	321.4	19.237	66.63	33.0	1.8
99.0	324.7	19.373	66.87	136.0	7.5
100.0	328.0	19.449	67.01	76.0	4.2
101.0	331.0	19.530	67.15	81.0	4.4
102.0	334.0	19.559	67.21	29.0	1.6
103.0	337.0	19.594	67.27	35.0	1.9
104.0	341.1	19.675	67.42	61.0	3.4
105.0	344.4	19.730	67.52	115.0	6.4
106.0	347.7	19.821	67.68	31.0	1.7
107.0	351.0	19.925	67.87	104.0	5.7
108.0	354.2	20.015	68.03	90.0	4.9
109.0	357.5	20.216	68.39	201.0	11.1
110.0	360.8	20.269	68.48	53.0	2.9
111.0	364.1	20.399	68.72	130.0	7.1
112.0	367.4	20.606	69.25	237.0	13.1
113.0	370.8	20.881	69.59	165.0	9.1
114.0	373.9	20.946	69.70	65.0	3.6
115.0	377.7	21.156	70.08	210.0	11.5
116.0	380.0	21.528	70.75	372.0	20.0
117.0	383.0	21.578	70.84	50.0	2.8
118.0	387.0	21.686	71.03	108.0	5.9
119.0	390.0	22.043	71.68	357.0	19.8
120.0	393.0	22.281	72.11	238.0	13.1
121.0	396.9	22.456	72.42	175.0	9.7
122.0	400.0	22.558	72.60	102.0	5.6
123.0	403.4	22.693	72.85	135.0	7.4
124.0	406.7	22.929	73.27	236.0	13.0

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LOCATION: BURNS AMS. ORE.

235/31E- 9BCCB

HOLE NAME: POTEET

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	23.133	73.64	204.0	11.22
126.0	413.3	23.219	73.79	86.0	4.74
127.0	416.6	23.306	73.95	87.0	4.80
128.0	419.8	23.440	74.19	134.0	7.44
129.0	423.1	23.704	74.67	264.0	14.64
130.0	426.4	23.818	74.87	114.0	6.30
131.0	429.7	23.950	75.11	132.0	7.32
132.0	433.0	24.153	75.48	203.0	11.13
133.0	436.2	24.346	75.82	190.0	10.50
134.0	439.5	24.428	75.97	82.0	4.44
135.0	442.8	24.510	76.12	82.0	4.44
136.0	446.1	24.664	76.38	54.0	3.00
137.0	449.4	24.853	76.73	89.0	4.80
138.0	452.6	24.757	76.58	114.0	6.30
139.0	455.9	24.838	77.07	271.0	14.51
140.0	459.2	24.193	77.55	155.0	8.55
141.0	462.5	24.371	77.67	178.0	9.84
142.0	465.8	24.417	77.75	46.0	2.52
143.0	469.1	24.539	77.97	122.0	6.72
144.0	472.3	24.606	78.09	67.0	3.72
145.0	475.6	24.666	78.20	60.0	3.36
146.0	478.9	24.721	78.30	55.0	3.06
147.0	482.2	24.737	78.43	76.0	4.20
148.0	485.5	24.856	78.54	59.0	3.24
149.0	488.7	24.925	78.67	69.0	3.78
150.0	492.0	24.993	78.97	168.0	9.36
151.0	495.3	24.245	78.24	152.0	8.40
152.0	498.6	24.348	78.43	103.0	5.70
153.0	501.9	24.385	78.49	37.0	2.04
154.0	505.1	24.518	78.73	133.0	7.32
155.0	508.4	24.631	78.94	113.0	6.24
156.0	511.7	24.728	80.11	97.0	5.34
157.0	515.0	24.904	80.43	176.0	9.84
158.0	518.2	24.997	80.59	93.0	5.16
159.0	521.5	24.193	80.95	196.0	10.80
160.0	524.8	24.291	81.12	98.0	5.40
161.0	528.1	24.348	81.23	57.0	3.06
162.0	531.4	24.688	81.84	340.0	18.90
163.0	534.6	24.776	82.00	88.0	4.80
164.0	537.9	24.798	82.04	22.0	1.20
165.0	541.2	24.886	82.96	8.0	0.4

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LOCATION: BURNS AMS, ORE.
23S/31E- 98CCB

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HOLE NAME: POTEET
DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	27.881	82.19	75.0	4.1
167.0	547.8	27.936	82.28	85.0	4.9
168.0	551.0	28.021	82.44	85.0	4.9
169.0	554.3	28.056	82.50	85.0	4.9
170.0	557.6	28.103	82.59	47.0	1.9
171.0	560.9	28.424	83.16	321.0	17.6
172.0	564.2	28.535	83.36	111.0	6.1
173.0	567.4	28.631	83.54	96.0	5.1
174.0	570.7	28.836	83.90	205.0	11.4
175.0	574.0	29.003	84.21	167.0	9.0
176.0	577.3	29.126	84.43	123.0	6.5
177.0	580.6	29.143	84.46	17.0	0.9
178.0	583.9	29.218	84.59	78.0	4.1
179.0	587.1	29.258	84.66	48.0	2.4
180.0	590.4	29.341	84.81	83.0	4.1
181.0	593.7	29.643	85.36	38.0	1.6
182.0	597.0	29.768	85.58	127.0	6.6
183.0	600.3	29.828	85.69	68.0	3.4
184.0	603.6	30.024	86.04	196.0	10.4
185.0	606.9	30.016	86.03	18.0	0.8
186.0	610.1	30.091	86.16	78.0	4.1
187.0	613.4	30.138	86.25	47.0	2.4
188.0	616.7	30.299	86.54	161.0	8.6
189.0	619.9	30.416	86.75	117.0	6.1
190.0	623.2	30.513	86.92	97.0	5.1
191.0	626.5	30.622	87.12	109.0	5.6
192.0	629.8	30.785	87.41	163.0	8.6
193.0	633.1	30.897	87.61	52.0	2.6
194.0	636.4	30.833	87.50	14.0	0.7
195.0	639.7	30.846	87.52	13.0	0.7
196.0	643.0	30.956	87.72	110.0	5.6
197.0	646.3	31.006	87.81	58.0	2.9
198.0	649.6	30.993	87.79	-13.0	-0.9
199.0	652.9	30.995	87.79	52.0	2.6
200.0	656.2	31.050	87.89	55.0	2.6
201.0	659.5	31.066	87.92	15.0	0.7
202.0	662.8	31.255	88.26	199.0	10.4
203.0	666.1	31.268	88.28	3.0	0.1
204.0	669.4	31.279	88.30	11.0	0.5
205.0	672.7	31.281	88.31	12.0	0.5
206.0	676.0	31.300	88.34	19.0	0.9

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LOCATION: BURNS AMS, ORE.
 23S/31E- 980CB
 HOLE NAME: POTEET
 DATE MEASURED: 11/ 4/81

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
248.0	813.4	30.733	87.32	12.0	0.7
249.0	816.7	30.721	87.30	-12.0	0.7
250.0	820.0	30.706	87.27	-15.0	0.7
251.0	823.3	30.648	87.17	-18.0	0.7
252.0	826.6	30.621	87.12	-21.0	0.7
253.0	829.9	30.623	87.12	-24.0	0.7
254.0	833.1	30.621	87.12	-27.0	0.7
255.0	836.4	30.604	87.09	-30.0	0.7
256.0	839.7	30.516	86.93	-33.0	0.7
257.0	843.0	30.486	86.87	-36.0	0.7
258.0	846.3	30.481	86.87	-39.0	0.7
259.0	849.6	30.493	86.89	-42.0	0.7
260.0	852.9	30.491	86.88	-45.0	0.7
261.0	856.1	30.498	86.90	-48.0	0.7
262.0	859.4	30.516	86.93	-51.0	0.7
263.0	862.7	30.571	87.03	-54.0	0.7
264.0	865.9	30.578	87.04	-57.0	0.7
265.0	869.2	30.596	87.07	-60.0	0.7
266.0	872.5	30.647	87.17	-63.0	0.7
267.0	875.8	30.650	87.17	-66.0	0.7
268.0	879.1	30.653	87.17	-69.0	0.7
269.0	882.4	30.656	87.17	-72.0	0.7
270.0	885.7	31.043	87.88	-75.0	0.7
271.0	889.0	31.046	87.88	-78.0	0.7
272.0	892.3	31.049	87.88	-81.0	0.7
273.0	895.6	31.052	87.88	-84.0	0.7
274.0	898.9	31.052	87.88	-87.0	0.7
275.0	902.2	31.056	87.90	-90.0	0.7
276.0	905.5	31.059	87.90	-93.0	0.7
277.0	908.8	31.061	87.91	-96.0	0.7
278.0	911.0	31.066	87.92	-99.0	0.7
279.0	915.1	31.072	87.93	-102.0	0.7
280.0	918.4	31.076	87.94	-105.0	0.7
281.0	921.7	31.081	87.96	-108.0	0.7
282.0	925.0	31.087	87.96	-111.0	0.7
283.0	928.2	31.097	87.97	-114.0	0.7
284.0	931.5	31.104	87.99	-117.0	0.7
285.0	934.8	31.110	88.01	-120.0	0.7
286.0	938.1	31.135	88.04	-123.0	0.7
287.0	941.4	31.155	88.08	-126.0	0.7
288.0	944.6	31.181	88.13	-129.0	0.7

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LOCATION: BURNS AMS, ORE.

235/31E- 9BCCB

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HOLE NAME: POTERT

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	31.208	88.17	27.0	1.11
290.0	951.2	31.237	88.23	27.0	1.11
291.0	954.5	31.270	88.29	27.0	1.11
292.0	957.8	31.303	88.35	27.0	1.11
293.0	961.0	31.350	88.43	27.0	1.11
294.0	964.3	31.399	88.52	27.0	1.11
295.0	967.6	31.447	88.60	27.0	1.11
296.0	970.9	31.491	88.68	27.0	1.11
297.0	974.2	31.554	88.82	27.0	1.11
298.0	977.4	32.562	90.61	27.0	1.11
299.0	980.7	32.643	90.76	27.0	1.11
300.0	984.0	32.719	90.89	27.0	1.11
301.0	987.3	32.793	91.03	27.0	1.11
302.0	990.6	32.870	91.17	27.0	1.11
303.0	993.8	32.939	91.29	27.0	1.11
304.0	997.1	33.002	91.40	27.0	1.11
305.0	1000.4	33.065	91.51	27.0	1.11
306.0	1003.7	33.121	91.62	27.0	1.11
307.0	1007.0	33.177	91.72	27.0	1.11
308.0	1010.2	33.241	91.83	27.0	1.11
309.0	1013.5	33.308	91.95	27.0	1.11
310.0	1016.8	33.361	92.06	27.0	1.11
311.0	1020.1	33.454	92.22	27.0	1.11
312.0	1023.4	33.527	92.35	27.0	1.11
313.0	1026.6	33.599	92.48	27.0	1.11
314.0	1029.9	33.672	92.61	27.0	1.11
315.0	1033.2	33.743	92.74	27.0	1.11
316.0	1036.5	33.812	92.86	27.0	1.11
317.0	1039.8	33.885	92.99	27.0	1.11
318.0	1043.0	33.952	93.12	27.0	1.11
319.0	1046.3	34.025	93.24	27.0	1.11
320.0	1049.6	34.096	93.37	27.0	1.11
321.0	1052.9	34.164	93.50	27.0	1.11
322.0	1056.2	34.231	93.62	27.0	1.11
323.0	1059.4	34.298	93.74	27.0	1.11
324.0	1062.7	34.366	93.86	27.0	1.11
325.0	1066.0	34.433	93.98	27.0	1.11
326.0	1069.3	34.501	94.10	27.0	1.11
327.0	1072.6	34.570	94.22	27.0	1.11
328.0	1075.8	34.636	94.34	27.0	1.11
329.0	1079.1	34.699	94.46	27.0	1.11

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LOCATION: BURNS AMS, ORE.
 23S/31E- 98CCB
 HOLE NAME: POTEET
 DATE MEASURED: 11/ 4/81

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DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
330.0	1082.4	34.763	94.57	64.0	
331.0	1085.7	34.829	94.69	66.0	
332.0	1089.0	34.896	94.81	67.0	
333.0	1092.3	34.965	94.94	69.0	
334.0	1095.6	35.030	95.05	69.0	
335.0	1098.9	35.097	95.17	67.0	
336.0	1102.1	35.163	95.29	66.0	
337.0	1105.4	35.224	95.40	61.0	
338.0	1108.6	35.294	95.51	60.0	
339.0	1111.9	35.343	95.61	57.0	
340.0	1115.2	35.400	95.72	57.0	
341.0	1118.5	35.454	95.82	57.0	
342.0	1121.8	35.510	95.93	57.0	
343.0	1125.0	35.561	96.01	57.0	
344.0	1128.3	35.616	96.11	57.0	
345.0	1131.6	35.666	96.20	57.0	
346.0	1134.9	35.718	96.29	57.0	
347.0	1138.2	35.766	96.38	57.0	
348.0	1141.4	35.818	96.47	57.0	
349.0	1144.7	35.866	96.56	57.0	
350.0	1148.0	35.914	96.65	57.0	
351.0	1151.3	35.965	96.74	57.0	
352.0	1154.6	36.015	96.83	57.0	
353.0	1157.9	36.057	96.92	57.0	
354.0	1161.1	36.099	96.99	57.0	
355.0	1164.4	36.141	97.05	57.0	
356.0	1167.7	36.193	97.15	57.0	
357.0	1171.0	36.243	97.24	57.0	
358.0	1174.3	36.288	97.34	57.0	
359.0	1177.6	36.339	97.45	57.0	
360.0	1180.9	36.383	97.56	57.0	
361.0	1184.1	36.427	97.68	57.0	
362.0	1187.4	36.473	97.78	57.0	
363.0	1190.6	36.521	97.92	57.0	
364.0	1193.9	36.569	98.04	57.0	
365.0	1197.2	36.622	98.17	57.0	
366.0	1200.5	36.676	98.30	57.0	
367.0	1203.8	36.722	98.44	57.0	
368.0	1207.0	36.768	98.58	57.0	
369.0	1210.3	36.813	98.71	57.0	
370.0	1213.6	36.858	98.85	57.0	

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LOCATION: BURNS AMS, ORE.

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235/31E- 98CCB

HOLE NAME: POTEET

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
371.0	1216.9	37.215	98.99	77.0	4.2
372.0	1220.2	37.293	99.13	78.0	4.4
373.0	1223.4	37.381	99.29	88.0	4.4
374.0	1226.7	37.478	99.46	97.0	4.4
375.0	1230.0	37.586	99.65	108.0	4.4
376.0	1233.3	37.695	99.85	109.0	4.4
377.0	1236.6	37.800	100.04	105.0	4.4
378.0	1239.9	37.912	100.24	112.0	4.4
379.0	1243.1	38.025	100.44	113.0	4.4
380.0	1246.4	38.143	100.66	118.0	4.4
381.0	1249.7	38.266	100.88	123.0	4.4
382.0	1253.0	38.395	101.11	129.0	4.4
383.0	1256.2	38.523	101.34	128.0	4.4
384.0	1259.5	38.651	101.57	128.0	4.4
385.0	1262.8	38.781	101.81	130.0	4.4
386.0	1266.1	38.906	102.03	125.0	4.4
387.0	1269.4	39.027	102.25	121.0	4.4
388.0	1272.6	39.146	102.46	119.0	4.4
389.0	1275.9	39.261	102.67	115.0	4.4
390.0	1279.2	39.376	102.88	115.0	4.4
391.0	1282.5	39.487	103.08	111.0	4.4
392.0	1285.8	39.599	103.28	112.0	4.4
393.0	1289.1	39.711	103.48	112.0	4.4
394.0	1292.4	39.828	103.69	117.0	4.4
395.0	1295.6	39.947	103.90	119.0	4.4
396.0	1298.9	40.068	104.12	121.0	4.4
397.0	1302.2	40.191	104.34	123.0	4.4
398.0	1305.4	40.311	104.56	120.0	4.4
399.0	1308.7	40.432	104.78	121.0	4.4
400.0	1312.0	40.548	104.99	116.0	4.4
401.0	1315.3	40.668	105.20	120.0	4.4
402.0	1318.6	40.781	105.41	113.0	4.4
403.0	1321.9	40.901	105.62	120.0	4.4
404.0	1325.1	41.024	105.84	123.0	4.4
405.0	1328.4	41.150	106.07	126.0	4.4
406.0	1331.7	41.303	106.35	153.0	4.4
407.0	1335.0	41.474	106.65	171.0	4.4
408.0	1338.2	41.642	106.95	168.0	4.4
409.0	1341.5	41.821	107.28	179.0	4.4
410.0	1344.8	41.997	107.59	176.0	4.4
411.0	1348.1	42.157	107.88	160.0	4.4

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LOCATION: BURNS AMS, ORE.
239/31E- 98CCB

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HOLE NAME: POTERT
DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
412.0	1351.4	42.295	108.13	138.0	7.6
413.0	1354.6	42.421	108.36	126.0	6.9
414.0	1357.9	42.561	108.61	140.0	7.7
415.0	1361.2	42.699	108.86	138.0	7.6
416.0	1364.5	42.835	109.10	136.0	7.5
417.0	1367.8	42.979	109.36	144.0	7.9
418.0	1371.0	43.129	109.63	150.0	8.2
419.0	1374.3	43.272	109.89	143.0	7.8
420.0	1377.6	43.405	110.13	133.0	7.4
421.0	1380.9	43.525	110.34	128.0	7.0
422.0	1384.2	43.638	110.56	113.0	6.2
423.0	1387.4	43.738	110.73	108.0	5.9
424.0	1390.7	43.833	110.90	95.0	5.3
425.0	1394.0	43.918	111.06	85.0	4.8
426.0	1397.3	44.004	111.21	86.0	4.8
427.0	1400.6	44.083	111.36	79.0	4.4
428.0	1403.8	44.164	111.50	81.0	4.5
429.0	1407.1	44.239	111.63	75.0	4.1
430.0	1410.4	44.320	111.78	81.0	4.5
431.0	1413.7	44.399	111.92	79.0	4.4
432.0	1417.0	44.482	112.07	83.0	4.6
433.0	1420.2	44.572	112.23	90.0	4.9
434.0	1423.5	44.678	112.42	106.0	5.8
435.0	1426.8	44.782	112.61	104.0	5.6
436.0	1430.1	44.881	112.79	99.0	5.4
437.0	1433.4	44.979	112.96	99.0	5.4
438.0	1436.6	45.072	113.13	93.0	5.1
439.0	1439.9	45.146	113.26	74.0	4.1
440.0	1443.2	45.225	113.41	79.0	4.4
441.0	1446.5	45.314	113.57	89.0	4.9
442.0	1449.8	45.407	113.73	93.0	5.1
443.0	1453.0	45.493	113.89	86.0	4.8
444.0	1456.3	45.577	114.04	84.0	4.7
445.0	1459.6	45.656	114.18	79.0	4.4
446.0	1462.9	45.732	114.32	76.0	4.2
447.0	1466.2	45.804	114.46	72.0	4.0
448.0	1469.4	45.868	114.56	64.0	3.5
449.0	1472.7	45.933	114.69	65.0	3.6
450.0	1476.0	45.998	114.80	65.0	3.6
451.0	1479.3	46.061	114.91	63.0	3.4
452.0	1482.6	46.143	115.06	62.0	3.4

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LOCATION: BURNS AMS, ORE.

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HOLE NAME: POTEET

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
453.0	1485.8	46.207	115.17	64.0	2.0
454.0	1489.1	46.260	115.27	53.0	2.0
455.0	1492.4	46.311	115.36	51.0	2.0
456.0	1495.7	46.361	115.45	50.0	2.0
457.0	1499.0	46.408	115.53	47.0	2.0
458.0	1502.2	46.454	115.62	46.0	2.0
459.0	1505.5	46.496	115.69	42.0	2.0
460.0	1508.8	46.534	115.76	38.0	2.0
461.0	1512.1	46.571	115.83	37.0	2.0
462.0	1515.4	46.607	115.89	36.0	2.0
463.0	1518.6	46.640	115.95	35.0	1.1
464.0	1521.9	46.672	116.01	33.0	1.1
465.0	1525.2	46.704	116.07	33.0	1.1
466.0	1528.5	46.736	116.12	33.0	1.1
467.0	1531.8	46.763	116.17	33.0	1.1
468.0	1535.0	46.795	116.23	33.0	1.1
469.0	1538.3	46.824	116.28	33.0	1.1
470.0	1541.6	46.856	116.34	33.0	1.1
471.0	1544.9	46.882	116.39	33.0	1.1
472.0	1548.2	46.910	116.44	33.0	1.1
473.0	1551.4	46.937	116.49	33.0	1.1
474.0	1554.7	46.965	116.54	33.0	1.1
475.0	1558.0	46.991	116.59	33.0	1.1
476.0	1561.3	47.017	116.63	33.0	1.1
477.0	1564.6	47.046	116.69	33.0	1.1
478.0	1567.8	47.070	116.73	33.0	1.1
479.0	1571.1	47.094	116.77	33.0	1.1
480.0	1574.4	47.117	116.81	33.0	1.1
481.0	1577.7	47.143	116.86	33.0	1.1
482.0	1581.0	47.172	116.91	33.0	1.1
483.0	1584.2	47.200	116.96	33.0	1.1
484.0	1587.5	47.229	117.01	33.0	1.1
485.0	1590.8	47.260	117.07	33.0	1.1
486.0	1594.1	47.289	117.12	33.0	1.1
487.0	1597.4	47.320	117.18	33.0	1.1
488.0	1600.6	47.352	117.23	33.0	1.1
489.0	1603.9	47.381	117.29	33.0	1.1
490.0	1607.2	47.416	117.35	33.0	1.1
491.0	1610.5	47.452	117.41	33.0	2.0
492.0	1613.8	47.484	117.47	33.0	2.0
493.0	1617.0	47.518	117.53	34.0	1.0

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LOCATION: BURNS AMS, ORE.
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HOLE NAME: POTTEET
DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
494.0	1620.3	47.552	117.59	34.0	1.9
495.0	1623.6	47.583	117.65	31.0	1.7
496.0	1626.9	47.616	117.71	33.0	1.8
497.0	1630.2	47.646	117.76	30.0	1.7
498.0	1633.4	47.674	117.81	30.0	1.7
499.0	1636.7	47.703	117.87	30.0	1.7
500.0	1640.0	47.731	117.92	30.0	1.7
501.0	1643.2	47.756	117.96	30.0	1.7
502.0	1646.5	47.782	118.01	30.0	1.7
503.0	1649.8	47.803	118.05	30.0	1.7
504.0	1653.1	47.825	118.09	30.0	1.7
505.0	1656.4	47.844	118.12	30.0	1.7
506.0	1659.7	47.862	118.15	30.0	1.7
507.0	1663.0	47.879	118.18	30.0	1.7
508.0	1666.3	47.893	118.21	30.0	1.7
509.0	1669.6	47.907	118.23	30.0	1.7
510.0	1672.9	47.917	118.25	30.0	1.7
511.0	1676.2	47.927	118.27	30.0	1.7
512.0	1679.5	47.936	118.28	30.0	1.7
513.0	1682.8	47.942	118.29	30.0	1.7
514.0	1686.1	47.949	118.31	30.0	1.7
515.0	1689.4	47.953	118.32	30.0	1.7
516.0	1692.7	47.957	118.33	30.0	1.7
517.0	1696.0	47.960	118.33	30.0	1.7
518.0	1699.3	47.962	118.34	30.0	1.7
519.0	1702.6	47.965	118.34	30.0	1.7
520.0	1705.9	47.965	118.34	30.0	1.7
521.0	1709.2	47.965	118.34	30.0	1.7
522.0	1712.5	47.965	118.34	30.0	1.7
523.0	1715.8	47.962	118.33	30.0	1.7
524.0	1719.1	47.962	118.33	30.0	1.7
525.0	1722.4	47.960	118.33	30.0	1.7
526.0	1725.7	47.957	118.32	30.0	1.7
527.0	1729.0	47.953	118.32	30.0	1.7
528.0	1732.3	47.952	118.31	30.0	1.7
529.0	1735.6	47.949	118.31	30.0	1.7
530.0	1738.9	47.945	118.30	30.0	1.7
531.0	1742.2	47.938	118.29	30.0	1.7
532.0	1745.5	47.936	118.28	30.0	1.7
533.0	1748.8	47.929	118.27	30.0	1.7
534.0	1752.1	47.927	118.27	30.0	1.7

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LOCATION: BURNS AMS, ORE.

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HOLE NAME: POTERT

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
535.0	1754.8	47.918	118.25	1.9	1.8
536.0	1758.1	47.914	118.25	1.4	1.8
537.0	1761.4	47.909	118.23	1.4	1.8
538.0	1764.6	47.905	118.23	1.4	1.8
539.0	1767.9	47.899	118.22	1.4	1.8
540.0	1771.2	47.893	118.21	1.4	1.8
541.0	1774.5	47.890	118.20	1.4	1.8
542.0	1777.8	47.885	118.19	1.4	1.8
543.0	1781.0	47.879	118.18	1.4	1.8
544.0	1784.3	47.873	118.17	1.4	1.8
545.0	1787.6	47.870	118.17	1.4	1.8
546.0	1790.9	47.864	118.16	1.4	1.8
547.0	1794.2	47.861	118.15	1.4	1.8
548.0	1797.4	47.856	118.14	1.4	1.8
549.0	1800.7	47.854	118.14	1.4	1.8
550.0	1804.0	47.849	118.13	1.4	1.8
551.0	1807.3	47.847	118.12	1.4	1.8
552.0	1810.6	47.844	118.12	1.4	1.8
553.0	1813.8	47.842	118.12	1.4	1.8
554.0	1817.1	47.842	118.12	1.4	1.8
555.0	1820.4	47.844	118.12	1.4	1.8
556.0	1823.7	47.844	118.12	1.4	1.8
557.0	1827.0	47.847	118.12	1.4	1.8
558.0	1830.2	47.852	118.13	1.4	1.8
559.0	1833.5	47.856	118.14	1.4	1.8
560.0	1836.8	47.861	118.15	1.4	1.8
561.0	1840.1	47.864	118.16	1.4	1.8
562.0	1843.4	47.870	118.17	1.4	1.8
563.0	1846.6	47.877	118.18	1.4	1.8
564.0	1849.9	47.885	118.19	1.4	1.8
565.0	1853.2	47.892	118.21	1.4	1.8
566.0	1856.5	47.900	118.22	1.4	1.8
567.0	1859.8	47.909	118.24	1.4	1.8
568.0	1863.0	47.921	118.26	1.4	1.8
569.0	1866.3	47.932	118.28	1.4	1.8
570.0	1869.6	47.946	118.30	1.4	1.8
571.0	1872.9	47.960	118.33	1.4	1.8
572.0	1876.2	47.975	118.36	1.4	1.8
573.0	1879.4	47.992	118.39	1.4	1.8
574.0	1882.7	48.011	118.42	1.4	1.8
575.0	1886.0	48.033	118.46	1.4	1.8

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LOCATION: BURNS AMS, ORE.

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HOLE NAME: POTERT

DATE MEASURED: 11/ 4/81

DEPTH METERS

DEPTH FEET

TEMPERATURE DEG C DEG F

GEOHERMAL GRADIENT DEG C/KM DEG F/100 FT

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOHERMAL GRADIENT DEG C/KM	GEOHERMAL GRADIENT DEG F/100 FT
576.0	1889.3	48.053	118.50		
577.0	1892.6	48.075	118.53		
578.0	1895.8	48.094	118.57		
579.0	1899.1	48.117	118.61		
580.0	1902.4	48.387	119.10		
581.0	1905.7	48.392	119.11		
582.0	1909.0	48.400	119.12		
583.0	1912.2	48.412	119.14		
584.0	1915.5	48.428	119.17		
585.0	1918.8	48.446	119.20		
586.0	1922.1	48.464	119.24		
587.0	1925.4	48.484	119.27		
588.0	1928.6	48.508	119.31		
589.0	1931.9	48.534	119.36		
590.0	1935.2	48.562	119.41		
591.0	1938.5	48.592	119.47		
592.0	1941.8	48.627	119.53		
593.0	1945.1	48.660	119.59		
594.0	1948.4	48.702	119.66		
595.0	1951.7	48.747	119.74		
596.0	1954.9	48.792	119.83		
597.0	1958.2	48.840	119.91		
598.0	1961.5	48.885	119.99		
599.0	1964.8	48.931	120.08		
600.0	1968.0	48.975	120.16		
601.0	1971.3	49.017	120.23		
602.0	1974.6	49.062	120.31		
603.0	1977.8	49.105	120.39		
604.0	1981.1	49.150	120.47		
605.0	1984.4	49.195	120.55		
606.0	1987.7	49.241	120.63		
607.0	1991.0	49.289	120.72		
608.0	1994.2	49.337	120.81		
609.0	1997.5	49.383	120.89		
610.0	2000.8	49.432	120.98		
611.0	2004.1	49.481	121.07		
612.0	2007.4	49.530	121.15		
613.0	2010.6	49.578	121.24		
614.0	2013.9	49.631	121.34		
615.0	2017.2	49.681	121.43		
616.0	2020.5	49.732	121.52		

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LOCATION: BURNS AMS, ORE.

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HOLE NAME: POTERT

DATE MEASURED: 11/ 4/81

DEPTH METERS

DEPTH FEET

TEMPERATURE DEG C DEG F

GEOHERMAL GRADIENT DEG C/KM DEG F/100 FT

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOHERMAL GRADIENT DEG C/KM	GEOHERMAL GRADIENT DEG F/100 FT
617.0	2023.0	49.778	121.60	46.0	
618.0	2027.0	49.826	121.69	46.0	
619.0	2030.3	49.873	121.77	47.0	
620.0	2033.6	49.921	121.86	48.0	
621.0	2036.9	49.972	121.95	48.0	
622.0	2040.2	50.022	122.04	51.0	
623.0	2043.4	50.072	122.13	50.0	
624.0	2046.7	50.125	122.23	50.0	
625.0	2050.0	50.178	122.32	50.0	
626.0	2053.3	50.231	122.42	50.0	
627.0	2056.6	50.282	122.51	51.0	
628.0	2059.9	50.332	122.60	47.0	
629.0	2063.1	50.382	122.69	47.0	
630.0	2066.4	50.427	122.77	45.0	
631.0	2069.7	50.475	122.88	45.0	
632.0	2073.0	50.524	122.97	45.0	
633.0	2076.3	50.573	123.06	45.0	
634.0	2079.6	50.623	123.15	45.0	
635.0	2082.9	50.672	123.24	45.0	
636.0	2086.2	50.722	123.33	45.0	
637.0	2089.5	50.772	123.42	45.0	
638.0	2092.8	50.822	123.51	45.0	
639.0	2096.1	50.872	123.60	45.0	
640.0	2099.4	50.922	123.69	45.0	
641.0	2102.7	50.972	123.78	45.0	
642.0	2106.0	51.022	123.87	45.0	
643.0	2109.3	51.072	123.96	45.0	
644.0	2112.6	51.122	124.05	45.0	
645.0	2115.9	51.172	124.14	45.0	
646.0	2119.2	51.222	124.23	45.0	
647.0	2122.5	51.272	124.32	45.0	
648.0	2125.8	51.322	124.41	45.0	
649.0	2129.1	51.372	124.50	45.0	
650.0	2132.4	51.422	124.59	45.0	
651.0	2135.7	51.472	124.68	45.0	
652.0	2139.0	51.522	124.77	45.0	
653.0	2142.3	51.572	124.86	45.0	
654.0	2145.6	51.622	124.95	45.0	
655.0	2148.9	51.672	125.04	45.0	
656.0	2152.2	51.722	125.13	45.0	
657.0	2155.5	51.772	125.22	45.0	

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LOCATION: BURNS AMS, ORE.

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HOLE NAME: POTERT

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
658.0	2159.3	51.476	124.66	32.0	
659.0	2161.5	51.516	124.73	40.0	
660.0	2164.0	51.552	124.79	36.0	
661.0	2166.1	51.590	124.79	38.0	
662.0	2171.4	51.627	124.92	37.0	
663.0	2174.6	51.661	124.99	34.0	
664.0	2177.9	51.699	125.05	38.0	
665.0	2181.0	51.733	125.12	34.0	
666.0	2184.0	51.767	125.19	34.0	
667.0	2187.0	51.807	125.25	40.0	
668.0	2191.0	51.842	125.32	35.0	
669.0	2194.0	51.884	125.39	42.0	
670.0	2197.0	51.925	125.47	41.0	
671.0	2200.0	51.969	125.54	44.0	
672.0	2204.0	52.012	125.62	43.0	
673.0	2207.4	52.059	125.71	47.0	
674.0	2210.7	52.105	125.79	46.0	
675.0	2214.0	52.151	125.87	46.0	
676.0	2217.0	52.200	125.96	49.0	
677.0	2220.6	52.247	126.04	47.0	
678.0	2223.0	52.297	126.13	50.0	
679.0	2227.1	52.344	126.22	47.0	
680.0	2230.4	52.395	126.31	51.0	
681.0	2233.7	52.449	126.41	54.0	
682.0	2237.0	52.497	126.49	40.0	
683.0	2240.0	52.543	126.58	46.0	
684.0	2243.0	52.585	126.68	122.0	
685.0	2246.0	52.649	127.49	38.0	
686.0	2250.1	52.722	127.53	38.0	
687.0	2253.4	52.796	127.57	23.0	
688.0	2256.6	52.871	127.61	24.0	
689.0	2259.9	52.944	127.66	21.0	
690.0	2263.2	53.016	127.70	24.0	
691.0	2266.5	53.087	127.75	29.0	
692.0	2269.0	53.159	127.81	31.0	
693.0	2273.0	53.239	127.87	31.0	
694.0	2276.0	53.292	127.93	33.0	
695.0	2279.0	53.341	127.98	29.0	
696.0	2282.0	53.397	128.04	36.0	
697.0	2286.0	53.457	128.11	37.0	
698.0	2289.4	53.425	128.17	31.0	

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LOCATION: BURNS AMS, ORE.

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HOLE NAME: POTEET

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
699.0	2292.7	53.461	128.23	36.0	2.0
700.0	2296.0	53.491	128.28	36.0	1.1
701.0	2299.3	53.520	128.34	36.0	1.1
702.0	2302.6	53.548	128.39	36.0	1.1
703.0	2305.8	53.578	128.44	36.0	1.1
704.0	2309.1	53.608	128.49	36.0	1.1
705.0	2312.4	53.652	128.57	36.0	1.1
706.0	2315.7	53.694	128.63	44.0	2.4
707.0	2319.0	53.717	128.69	36.0	1.1
708.0	2322.2	53.752	128.75	36.0	1.1
709.0	2325.5	53.787	128.82	36.0	1.1
710.0	2328.8	53.822	128.88	36.0	1.1
711.0	2332.1	53.859	128.95	36.0	1.1
712.0	2335.4	53.896	129.01	36.0	1.1
713.0	2338.6	53.930	129.07	36.0	1.1
714.0	2341.9	53.966	129.14	36.0	1.1
715.0	2345.2	54.002	129.20	36.0	1.1
716.0	2348.5	54.037	129.27	36.0	1.1
717.0	2351.8	54.070	129.33	36.0	1.1
718.0	2355.0	54.105	129.39	36.0	1.1
719.0	2358.3	54.141	129.45	36.0	1.1
720.0	2361.6	54.178	129.51	36.0	1.1
721.0	2364.9	54.212	129.57	36.0	1.1
722.0	2368.2	54.250	129.63	36.0	1.1
723.0	2371.4	54.283	129.71	36.0	1.1
724.0	2374.7	54.319	129.77	36.0	1.1
725.0	2378.0	54.351	129.83	36.0	1.1
726.0	2381.3	54.384	129.89	36.0	1.1
727.0	2384.6	54.416	129.95	36.0	1.1
728.0	2387.8	54.453	130.02	36.0	1.1
729.0	2391.1	54.491	130.08	36.0	1.1
730.0	2394.4	54.526	130.15	36.0	1.1
731.0	2397.7	54.566	130.23	36.0	1.1
732.0	2401.0	54.604	130.29	36.0	1.1
733.0	2404.2	54.642	130.36	36.0	1.1
734.0	2407.5	54.679	130.42	36.0	1.1
735.0	2410.8	54.717	130.49	36.0	1.1
736.0	2414.1	54.756	130.56	36.0	1.1
737.0	2417.4	54.795	130.63	40.0	1.1
738.0	2420.6	54.836	130.70	40.0	1.1
739.0	2423.9	54.876	130.78	40.0	1.1

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LOCATION: BURNS AMS, ORE.

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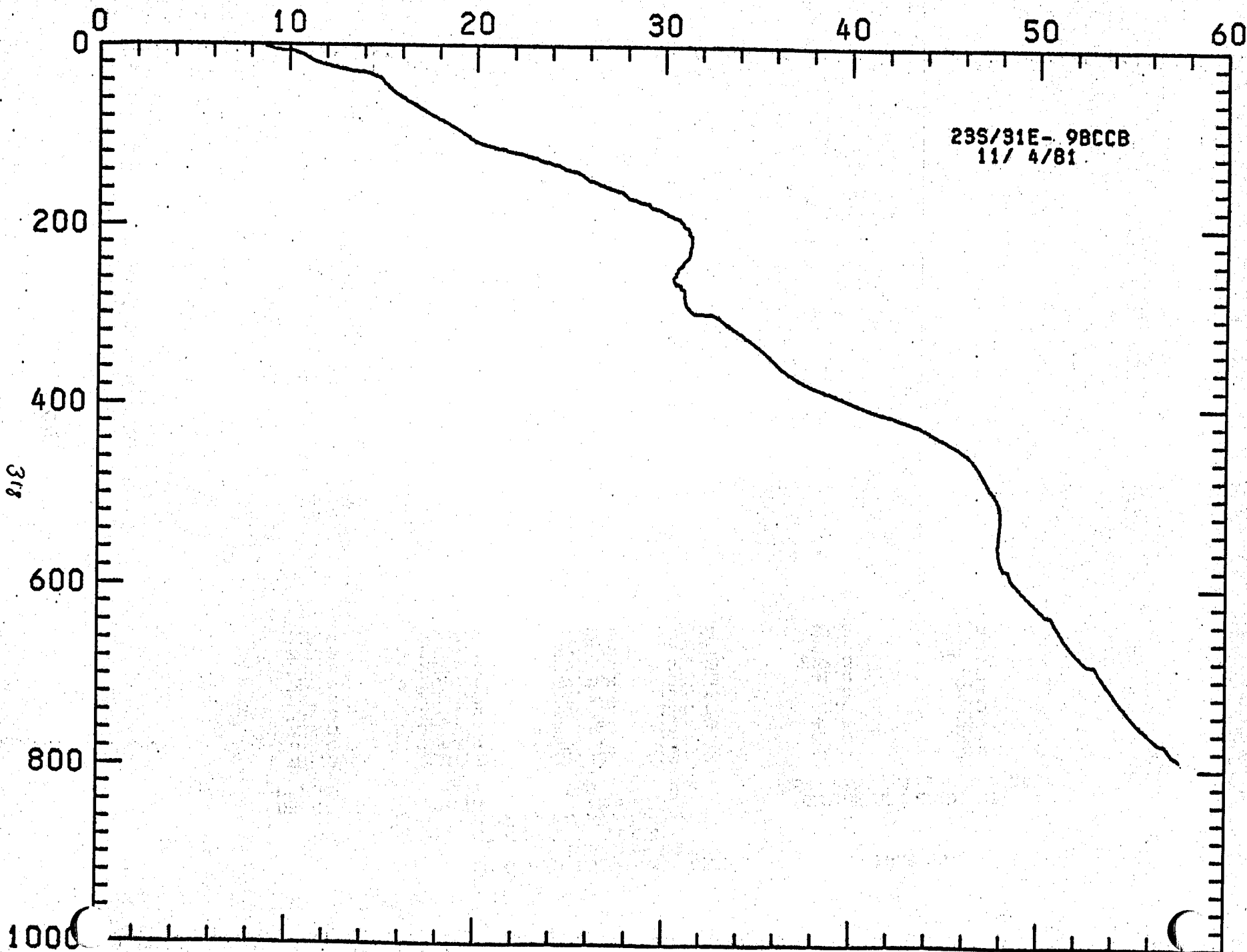
HOLE NAME: POTET

DATE MEASURED: 11/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
781.0	2561.7	57.081	134.75	40.0	2.2
782.0	2565.0	57.119	134.81	38.0	2.1
783.0	2568.2	57.162	134.89	43.0	2.4
784.0	2571.5	57.204	134.97	42.0	2.3
785.0	2574.8	57.247	135.04	43.0	2.4
786.0	2578.1	57.288	135.12	41.0	2.2
787.0	2581.4	57.495	135.49	207.0	11.4
788.0	2584.6	57.530	135.55	35.0	1.9
789.0	2587.9	57.562	135.61	32.0	1.8

317

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON

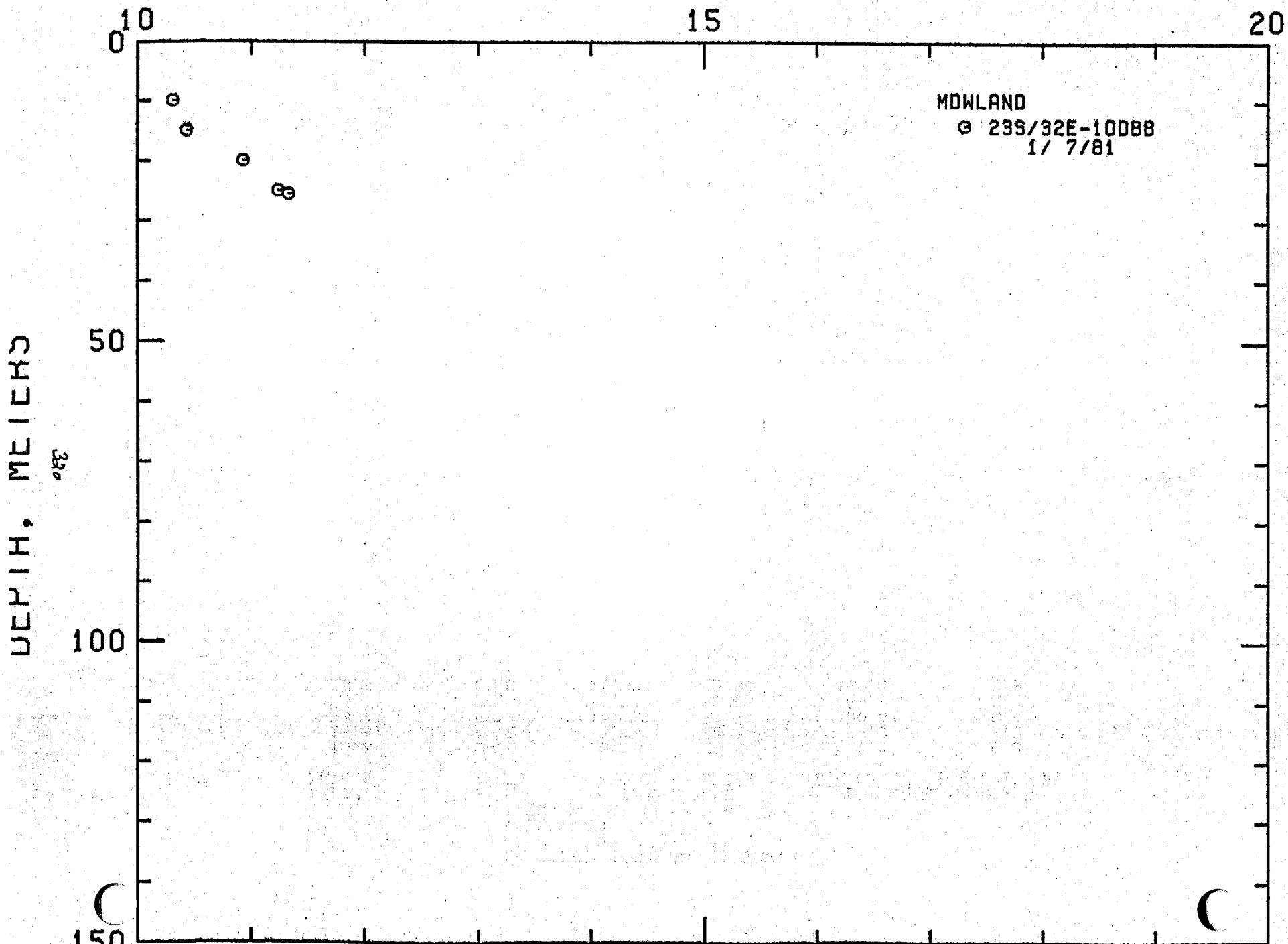
23S/32E-10DBB

HOLE NAME: MDWLAND

DATE MEASURED: 1/7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.310	50.56	0.0	0.0
15.0	49.2	10.430	50.77	24.0	1.3
20.0	65.6	10.930	51.67	100.0	5.5
25.0	82.0	11.240	52.23	62.0	3.4
25.5	83.6	11.330	52.39	180.0	9.9

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

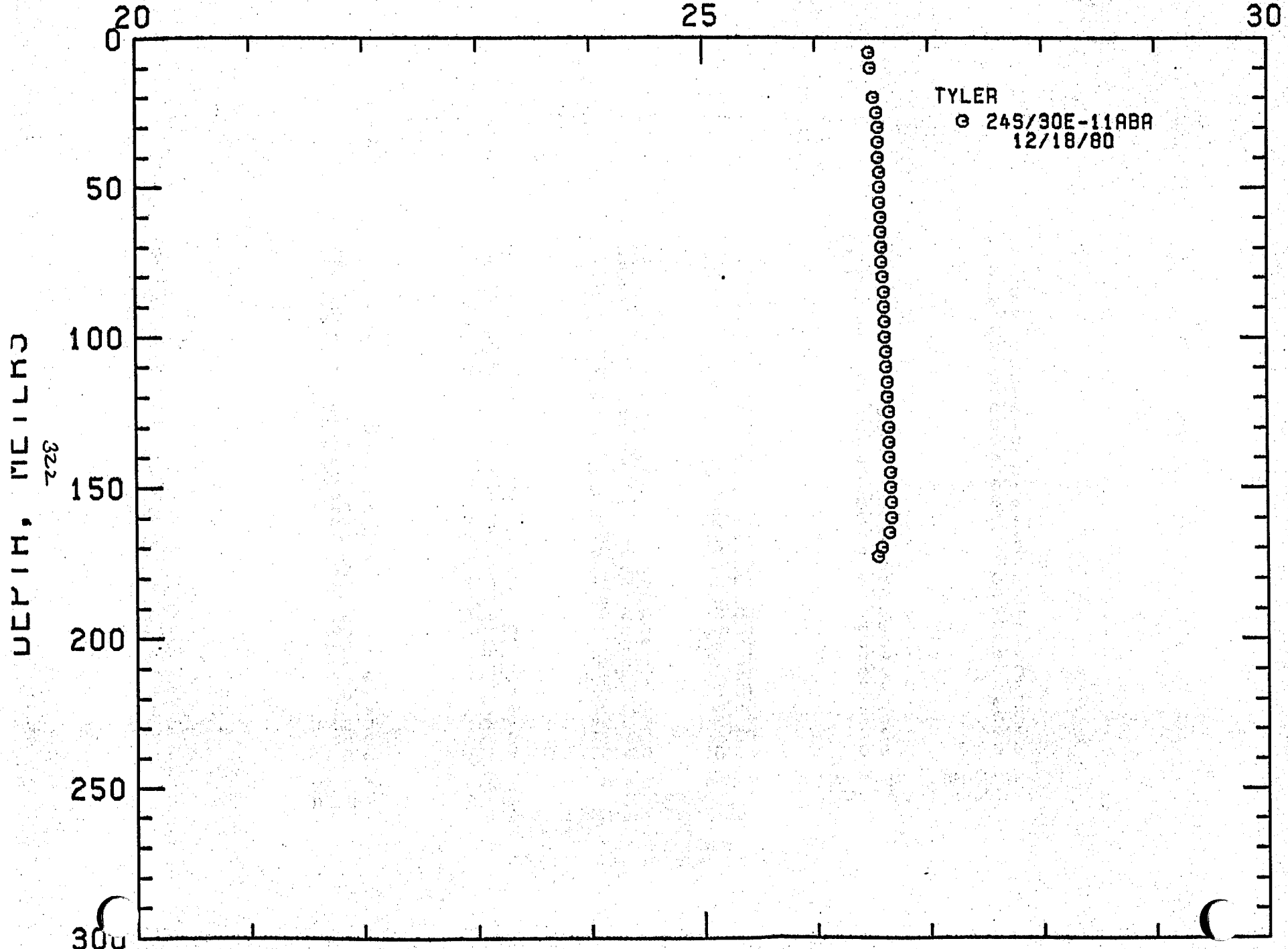
24S/30E-11ABA

HOLE NAME: TYLER

DATE MEASURED: 12/18/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	26.480	79.66	0.0	0.0
10.0	32.8	26.490	79.68	0.0	0.1
15.0	49.2	26.520	79.74	0.0	0.0
20.0	65.6	26.550	79.79	0.0	0.0
25.0	82.0	26.560	79.81	0.0	0.0
30.0	98.4	26.560	79.81	0.0	0.0
35.0	114.8	26.560	79.81	0.0	0.0
40.0	131.2	26.560	79.81	0.0	0.0
45.0	147.6	26.570	79.83	0.0	0.0
50.0	164.0	26.570	79.83	0.0	0.1
55.0	180.4	26.570	79.83	0.0	0.0
60.0	196.8	26.580	79.84	0.0	0.0
65.0	213.2	26.580	79.84	0.0	0.1
70.0	229.6	26.590	79.86	0.0	0.0
75.0	246.0	26.590	79.86	0.0	0.0
80.0	262.4	26.600	79.88	0.0	0.0
85.0	278.8	26.610	79.89	0.0	0.1
90.0	295.2	26.620	79.90	0.0	0.0
95.0	311.6	26.620	79.90	0.0	0.1
100.0	328.0	26.630	79.91	0.0	0.0
105.0	344.4	26.630	79.91	0.0	0.0
110.0	360.8	26.630	79.91	0.0	0.0
115.0	377.2	26.640	79.93	0.0	0.0
120.0	393.6	26.640	79.93	0.0	0.1
125.0	410.0	26.650	79.95	0.0	0.0
130.0	426.4	26.650	79.95	0.0	0.1
135.0	442.8	26.650	79.95	0.0	0.0
140.0	459.2	26.650	79.95	0.0	0.0
145.0	475.6	26.660	79.99	0.0	0.0
150.0	492.0	26.660	79.99	0.0	0.1
155.0	508.4	26.670	80.01	0.0	0.0
160.0	524.8	26.670	80.01	0.0	0.1
165.0	541.2	26.680	80.04	0.0	0.0
170.0	557.6	26.680	80.04	0.0	0.0
173.0	567.4	26.680	79.79	0.0	0.0

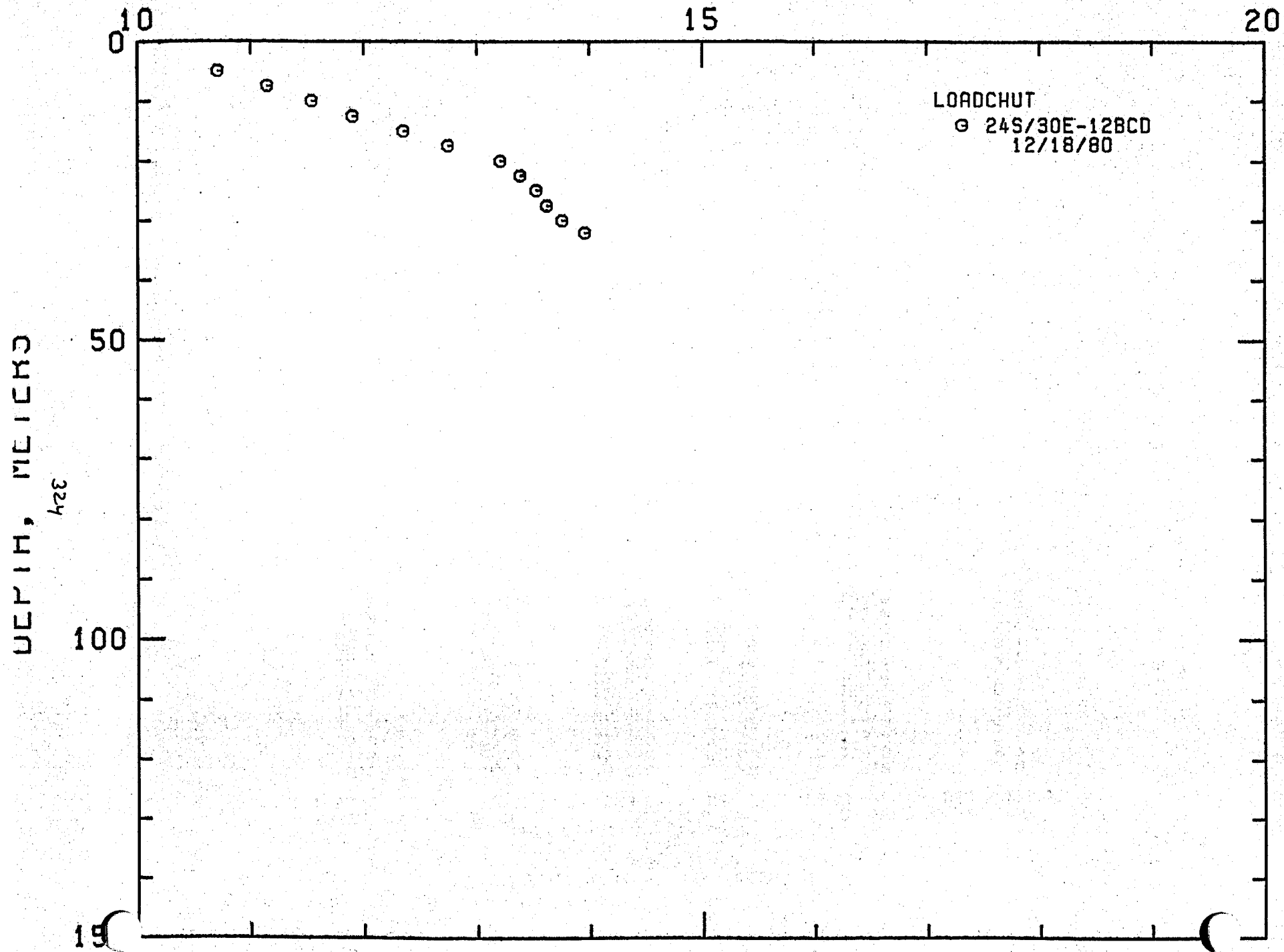
TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON
 24S/30E-12BCD
 HOLE NAME: LOADCHUT
 DATE MEASURED: 12/18/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	10.710	51.28	0.0	0.0
10.0	24.6	11.150	52.07	176.0	0.7
15.0	32.8	11.540	52.77	156.0	0.6
20.0	41.0	11.900	53.42	144.0	0.9
25.0	49.2	12.350	54.23	180.0	0.9
30.0	57.4	12.740	54.93	156.0	0.6
35.0	65.6	13.210	55.78	188.0	10.3
40.0	73.8	13.390	56.10	72.0	4.0
45.0	82.0	13.530	56.35	56.0	0.1
50.0	90.2	13.620	56.52	36.0	0.0
55.0	98.4	13.760	56.77	56.0	0.1
60.0	105.0	13.960	57.13	100.0	0.5

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON

24S/30E-24BCB

HOLE NAME: RANCHER

DATE MEASURED: 11/ 0/80

DEPTH
METERS

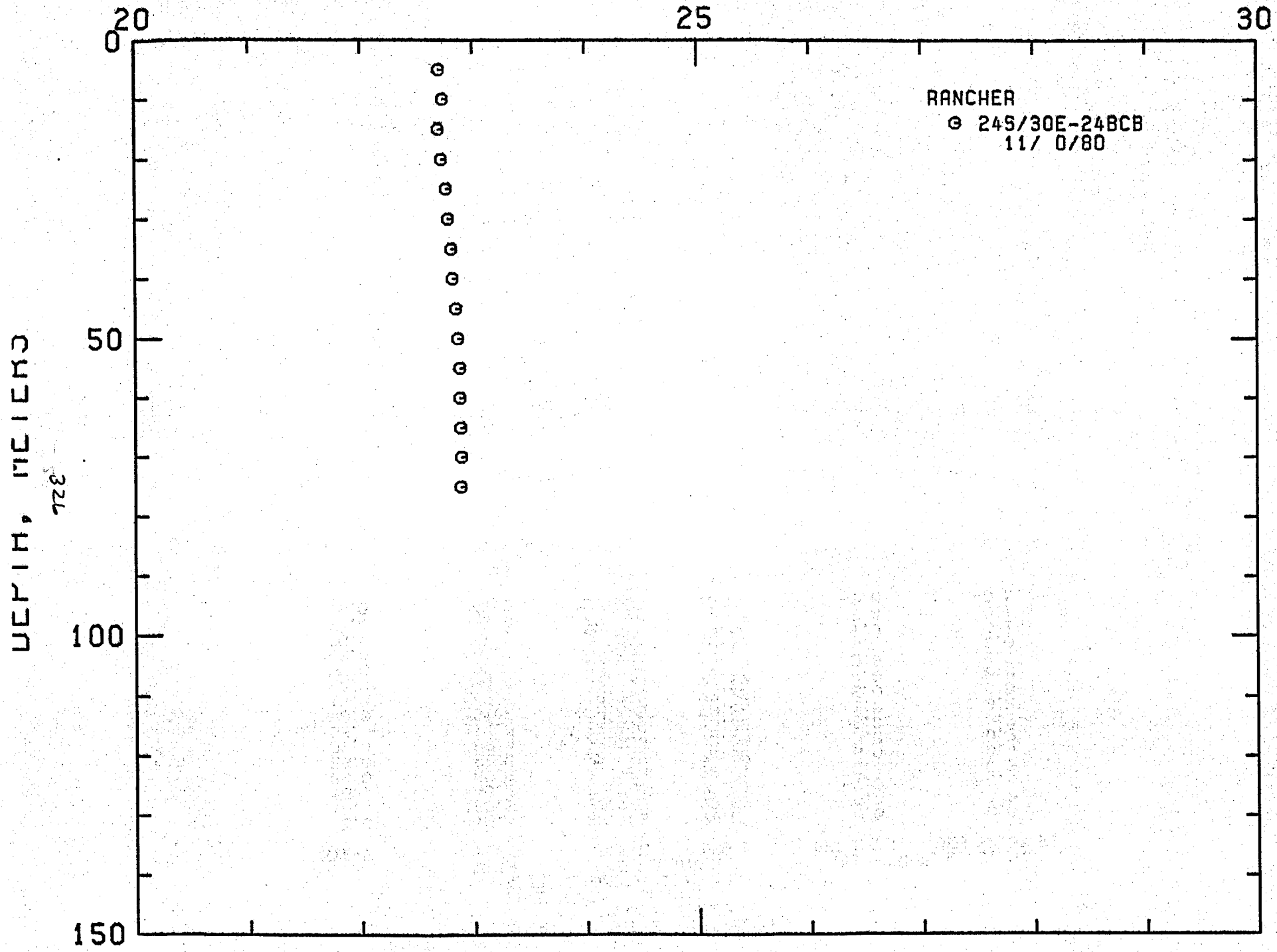
DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	22.705	72.87	0.0	0.0
10.0	32.8	22.735	72.92	0.0	0.0
15.0	49.2	22.760	72.96	0.0	0.0
20.0	65.6	22.785	72.91	0.0	0.0
25.0	82.0	22.765	72.98	0.0	0.0
30.0	98.4	22.780	73.00	0.0	0.0
35.0	114.8	22.810	73.06	0.0	0.0
40.0	131.2	22.825	73.08	0.0	0.0
45.0	147.6	22.850	73.13	0.0	0.0
50.0	164.0	22.870	73.17	0.0	0.0
55.0	180.4	22.885	73.19	0.0	0.0
60.0	196.8	22.885	73.19	0.0	0.0
65.0	213.2	22.890	73.20	0.0	0.0
70.0	229.6	22.900	73.22	0.0	0.0
75.0	246.0	22.890	73.20	0.0	0.0

TEMPERATURE, DEG C



RANCHER
⊙ 245/30E-24BCB
11/ 0/80

LOCATION: BURNS AMS OREGON

24S/31E- 5ACB

HOLE NAME: AGREXPST

DATE MEASURED: 12/10/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0
10.0
15.0
20.0
25.0
30.0

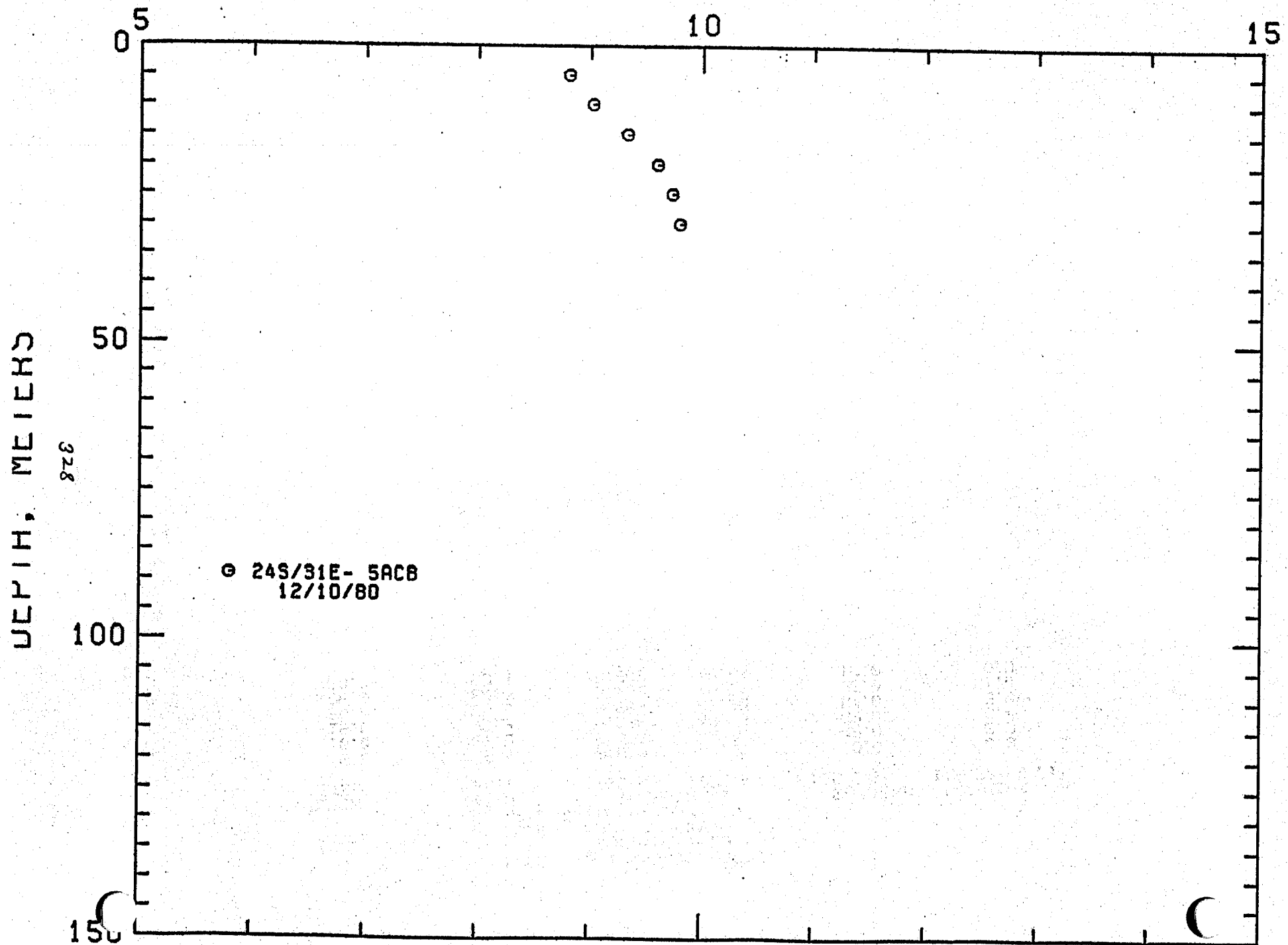
16.4
32.8
49.2
65.6
82.0
98.4

8.810 47.86
9.020 48.24
9.330 48.79
9.600 49.28
9.730 49.51
9.800 49.64

0.0 0.0
42.0 2.3
62.0 3.4
54.0 3.0
26.0 1.4
14.0 0.8

327

TEMPERATURE, DEG C



LOCATION: BURNS AMS, ORE.

245/31E-1888A

HOLE NAME: PEILA

DATE MEASURED: 8/ 5/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOHERMAL GRADIENT DEG C/KM	GEOHERMAL GRADIENT DEG F/100 FT
2.0	6.6	13.005	55.41		
3.0	9.8	12.963	55.33	-42.0	1.0
4.0	13.1	12.959	55.33	-44.0	1.0
5.0	16.4	12.956	55.33	-43.0	1.0
6.0	19.7	13.000	55.40	44.0	1.0
7.0	23.0	13.036	55.46	36.0	1.0
8.0	26.2	13.036	55.57	60.0	1.0
9.0	29.5	13.162	55.69	66.0	1.0
10.0	32.8	13.214	55.79	65.0	1.0
11.0	36.1	13.274	55.89	60.0	1.0
12.0	39.4	13.369	56.06	94.0	1.0
13.0	42.8	13.489	56.28	121.0	1.0
14.0	46.1	13.569	56.42	79.0	1.0
15.0	49.5	13.593	56.47	28.0	1.0
16.0	52.8	13.703	56.67	110.0	1.0
17.0	56.1	13.764	56.78	61.0	1.0
18.0	59.4	13.840	56.91	51.0	1.0
19.0	62.8	13.891	57.00	29.0	1.0
20.0	66.1	13.920	57.06	41.0	1.0
21.0	69.4	13.951	57.13	74.0	1.0
22.0	72.8	14.035	57.26	26.0	1.0
23.0	76.1	14.061	57.31	44.0	1.0
24.0	79.4	14.095	57.37	43.0	1.0
25.0	82.8	14.139	57.45	20.0	1.0
26.0	86.1	14.159	57.49	1.0	1.0
27.0	89.4	14.165	57.50	1.0	1.0
28.0	92.8	14.164	57.50	1.0	1.0
29.0	96.1	14.166	57.50	1.0	1.0
30.0	99.4	14.169	57.50	1.0	1.0
31.0	102.7	14.169	57.50	1.0	1.0
32.0	106.0	14.169	57.50	1.0	1.0
33.0	109.2	14.169	57.50	1.0	1.0
34.0	112.5	14.169	57.50	1.0	1.0
35.0	115.8	14.169	57.50	1.0	1.0
36.0	119.1	14.169	57.50	1.0	1.0
37.0	122.4	14.169	57.50	1.0	1.0
38.0	125.6	14.166	57.50	1.0	1.0
39.0	128.9	14.166	57.50	1.0	1.0
40.0	132.2	14.169	57.50	1.0	1.0
41.0	135.5	14.169	57.50	1.0	1.0
42.0	138.8	14.169	57.50	1.0	1.0

LOCATION: BURNS AMS, ORE.

24S/31E-188DA

HOLE NAME: PEILA

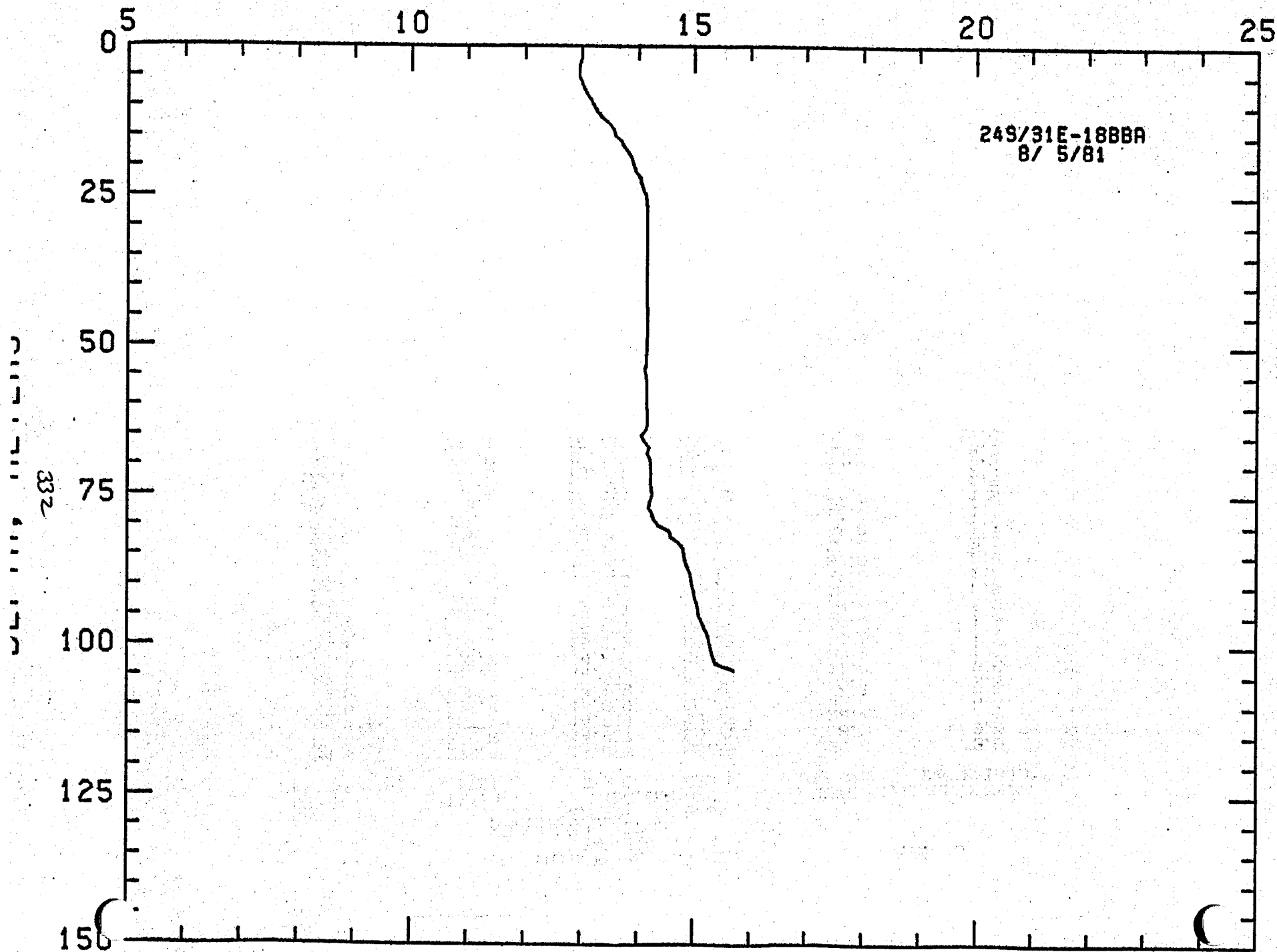
DATE MEASURED: 8/ 5/81

PAGE 3

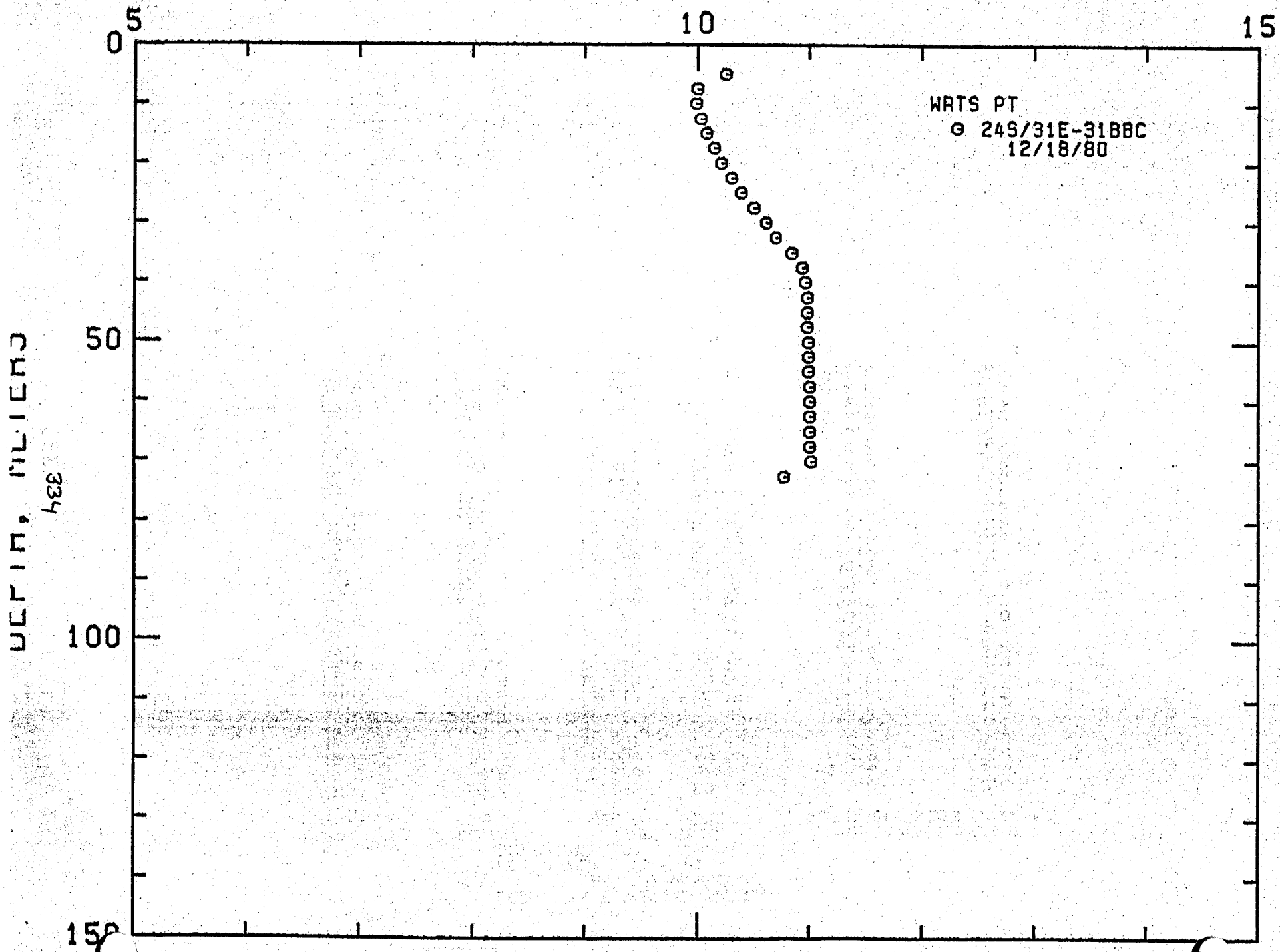
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	14.829	58.69	69.0	3.8
85.0	278.8	14.837	58.71	8.0	0.4
86.0	282.1	14.859	58.75	22.0	1.2
87.0	285.4	14.899	58.82	40.0	2.2
88.0	288.6	14.959	58.93	60.0	3.3
89.0	291.9	14.970	58.95	11.0	0.6
90.0	295.2	14.993	58.99	23.0	1.3
91.0	298.5	15.013	59.02	29.0	1.6
92.0	301.8	15.037	59.07	34.0	1.9
93.0	305.0	15.071	59.13	44.0	2.5
94.0	308.3	15.087	59.16	54.0	3.1
95.0	311.6	15.108	59.19	64.0	3.5
96.0	314.9	15.161	59.29	74.0	4.1
97.0	318.2	15.199	59.36	84.0	4.7
98.0	321.4	15.260	59.47	94.0	5.3
99.0	324.7	15.280	59.50	104.0	5.9
100.0	328.0	15.307	59.55	114.0	6.5
101.0	331.3	15.335	59.60	124.0	7.1
102.0	334.6	15.361	59.65	134.0	7.7
103.0	337.8	15.403	59.73	144.0	8.3
104.0	341.1	15.730	60.31	154.0	8.9

TEMPERATURE, DEG C

249/31E-18BBA
8/ 5/81



TEMPERATURE, DEG C



WATS PT
O 249/31E-31BBC
12/18/80

DEPTH, METERS
334

LOCATION: BURNS AMS OREGON

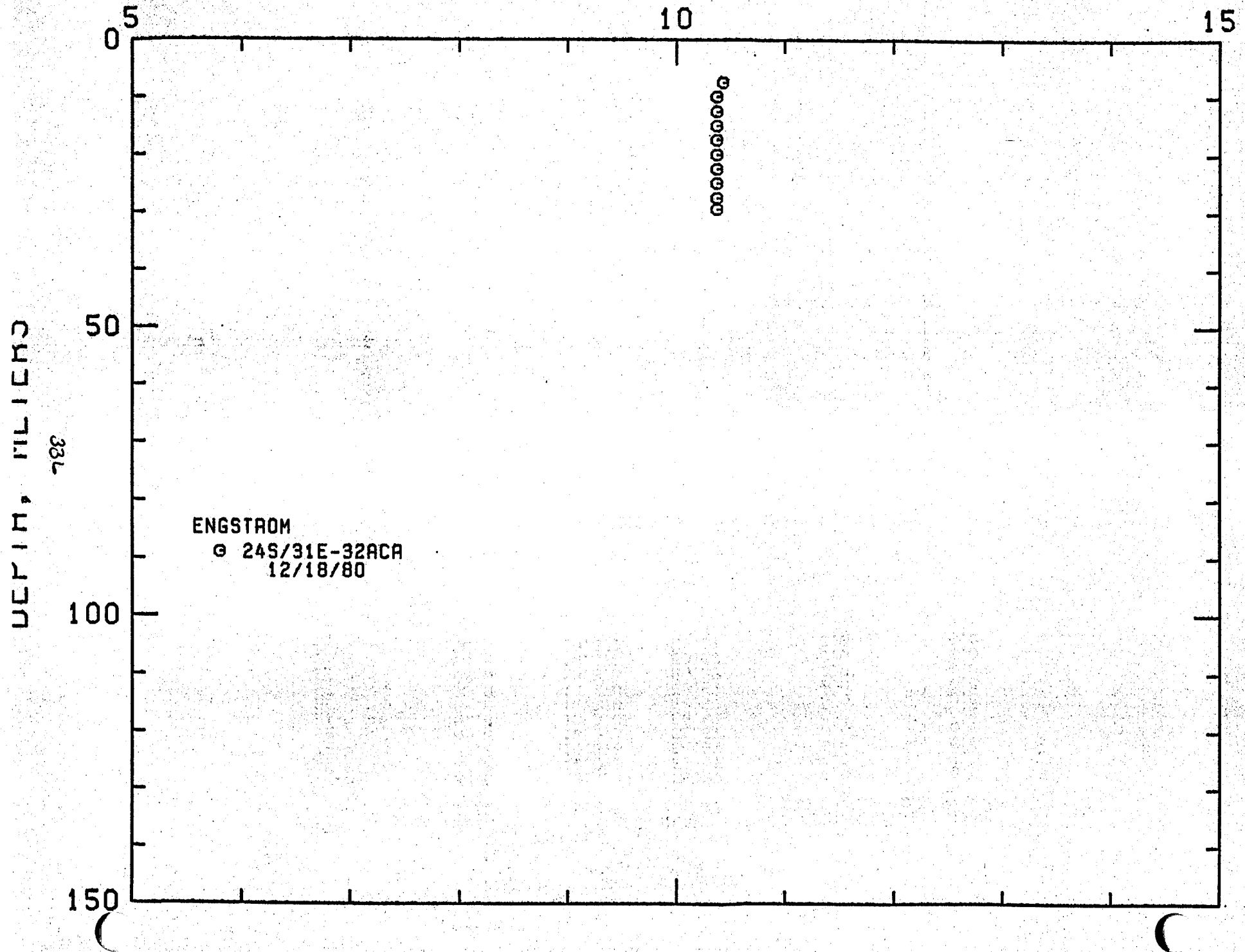
249/31E-32ACA

HOLE NAME: ENGSTROM

DATE MEASURED: 12/18/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	10.430	50.77	0.0	0.0
10.0	32.8	10.370	50.67	-24.0	-1.3
12.5	41.0	10.370	50.67	0.0	0.0
15.0	49.2	10.370	50.67	0.0	0.0
17.5	57.4	10.370	50.67	0.0	0.0
20.0	65.6	10.370	50.67	0.0	0.0
22.5	73.8	10.370	50.67	0.0	0.0
25.0	82.0	10.370	50.67	0.0	0.0
27.5	90.2	10.370	50.67	0.0	0.0
30.0	98.4	10.370	50.67	0.0	0.0

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON

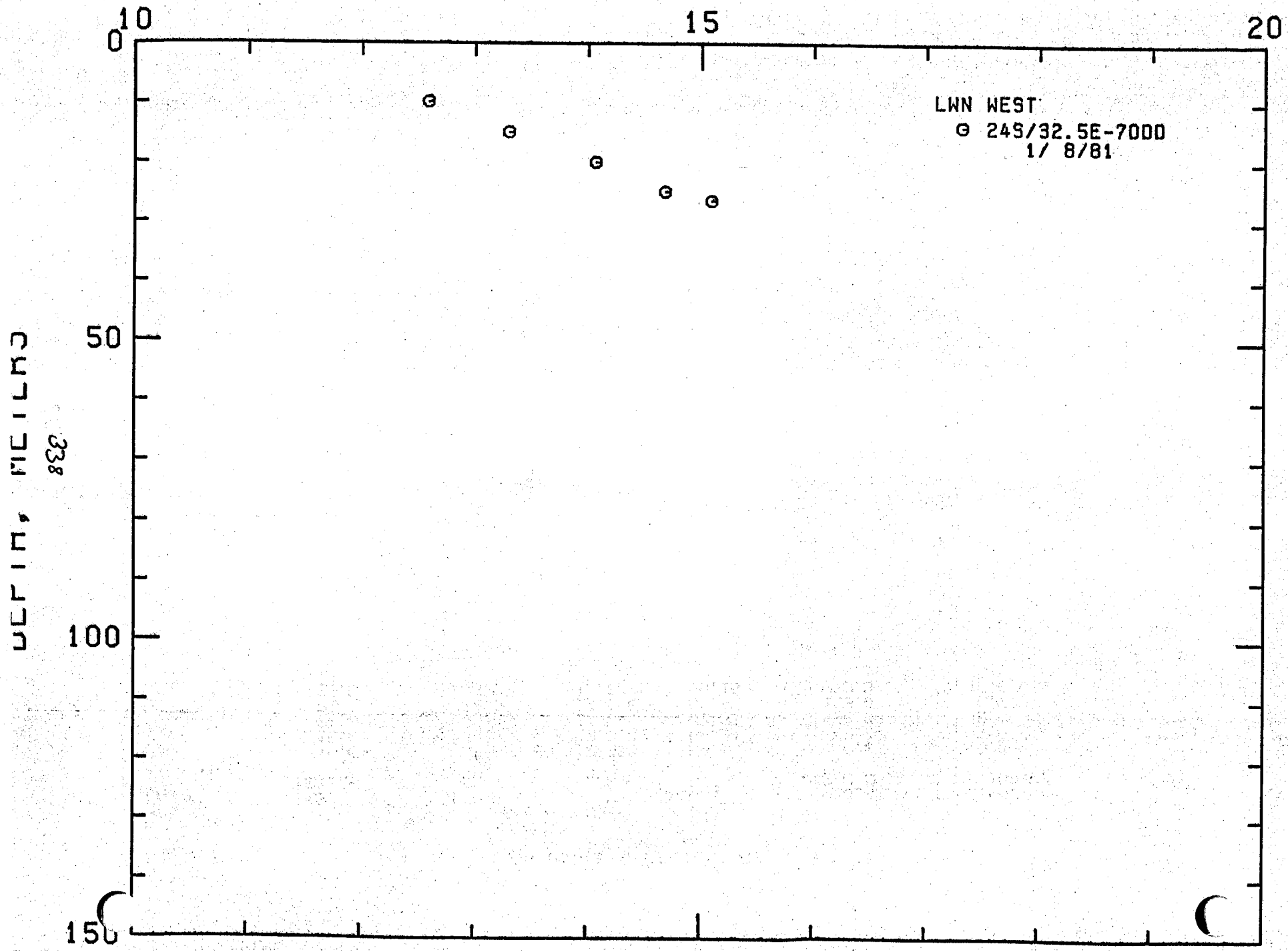
24SX32E- 7DDD

HOLE NAME: LWN WEST

DATE MEASURED: 1/ 8/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.590	54.66	0.0	0.0
15.0	49.2	13.300	55.94	142.0	7.9
20.0	65.6	14.070	57.33	154.0	8.5
25.0	82.0	14.680	58.42	122.0	6.7
26.5	86.9	15.090	59.16	273.3	15.0

TEMPERATURE, DEG C



LOCATION: ROSEBURG AMS, OREGON

265/ 2W-23AAD

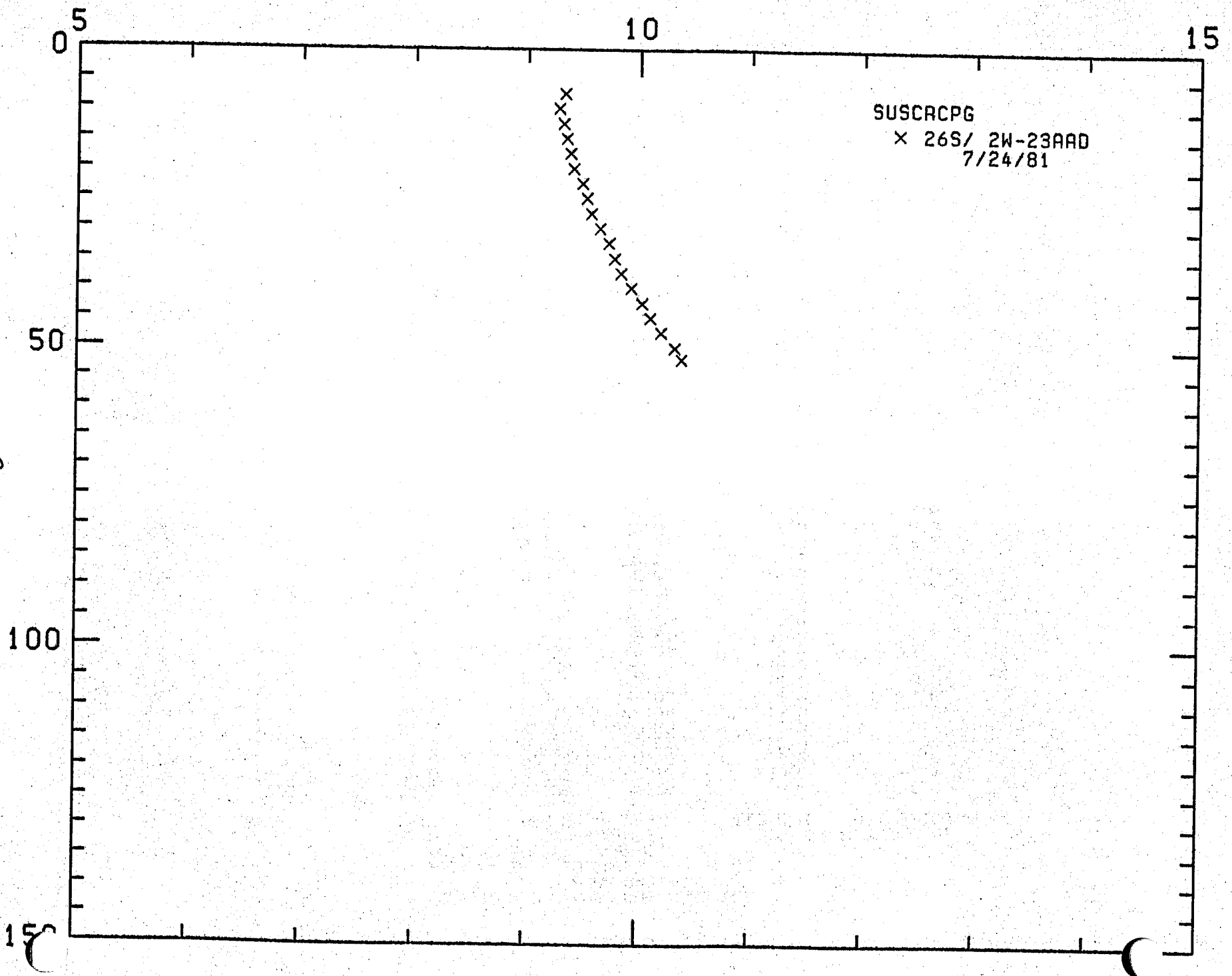
HOLE NAME: SUSCRCPG

DATE MEASURED: 7/24/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	9.330	48.79	0.0	0.0
10.0	32.8	9.280	48.70	-20.0	-1.1
12.5	41.0	9.320	48.78	16.0	0.9
15.0	49.2	9.350	48.83	12.0	0.7
17.5	57.4	9.380	48.88	12.0	0.7
20.0	65.6	9.410	48.94	12.0	0.7
22.5	73.8	9.450	49.08	32.0	1.8
25.0	82.0	9.530	49.15	16.0	0.9
27.5	90.2	9.570	49.23	16.0	0.9
30.0	98.4	9.650	49.37	32.0	1.8
32.5	106.6	9.730	49.51	32.0	1.8
35.0	114.8	9.780	49.60	20.0	1.1
37.5	123.0	9.840	49.71	24.0	1.3
40.0	131.2	9.930	49.87	36.0	2.0
42.5	139.4	10.030	50.05	40.0	2.2
45.0	147.6	10.100	50.18	28.0	1.5
47.5	155.8	10.200	50.36	40.0	2.2
50.0	164.0	10.320	50.58	48.0	2.6
52.0	170.6	10.380	50.68	30.0	1.6

TEMPERATURE, DEG C

DEPTH, METERS
340



SUSCRCPG
X 26S/ 2W-23AAD
7/24/81

LOCATION: MEDFORD AMS, ORE.

26S/ 3E-25AD

HOLE NAME: TOKETEE

DATE MEASURED: 7/23/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

7.5
10.0
12.5
15.0
17.5
20.0
22.5
25.0

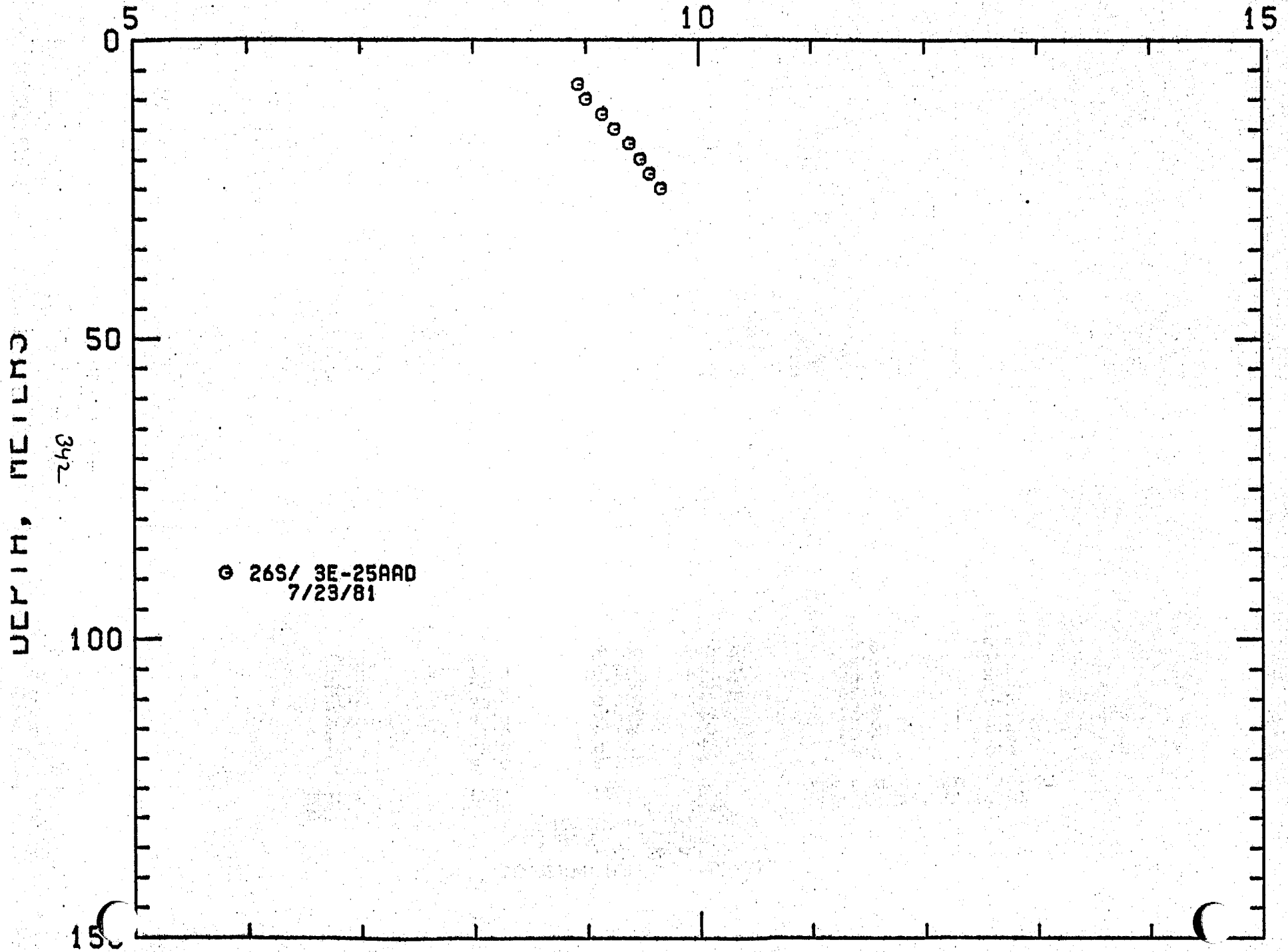
24.6
32.8
41.0
49.2
57.4
65.6
73.8
82.0

8.930 48.07
9.000 48.20
9.140 48.45
9.250 48.65
9.380 48.88
9.480 49.06
9.560 49.21
9.660 49.39

0.0
28.0
56.0
44.0
52.0
40.0
32.0
40.0

0.0
1.5
3.1
4.4
6.0
7.5
9.0
10.5

TEMPERATURE, DEG C



LOCATION: BURNS AMS OREGON

26S/30E- 6AD

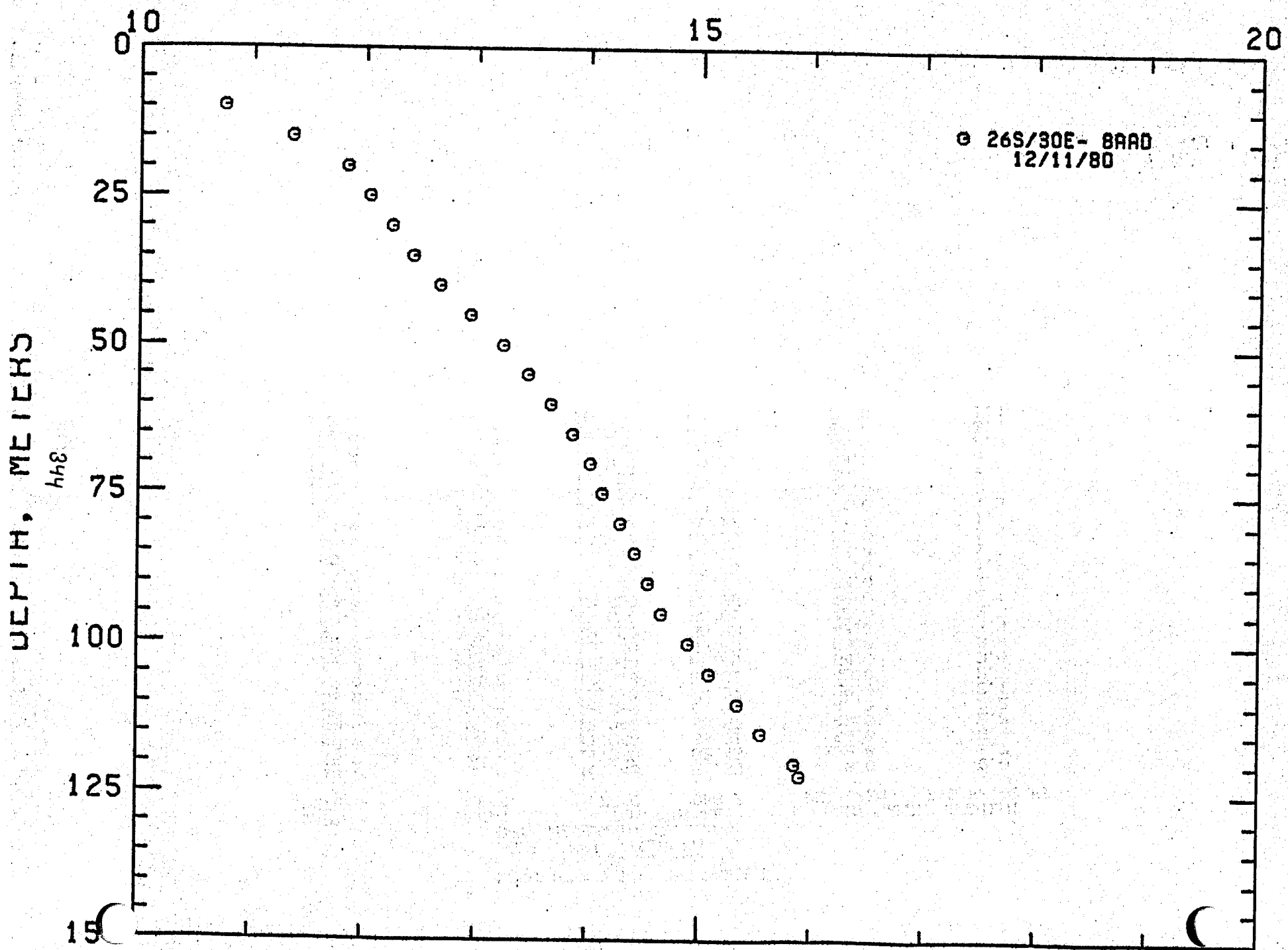
HOLE NAME: ALDRICH

DATE MEASURED: 12/11/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.740	51.33	0.0	0.0
15.0	49.2	11.350	52.43	122.0	56.7
20.0	65.6	11.840	53.31	98.0	42.4
25.0	82.0	12.040	53.67	40.0	2.2
30.0	98.4	12.240	54.03	40.0	2.2
35.0	114.8	12.430	54.37	39.0	1.1
40.0	131.2	12.670	54.81	48.0	2.6
45.0	147.6	12.940	55.29	54.0	3.0
50.0	164.0	13.240	55.83	60.0	3.3
55.0	180.4	13.460	56.23	44.0	2.4
60.0	196.8	13.670	56.61	42.0	2.3
65.0	213.2	13.860	56.95	38.0	2.1
70.0	229.6	14.020	57.24	32.0	1.8
75.0	246.0	14.130	57.43	32.0	1.8
80.0	262.4	14.290	57.72	32.0	1.8
85.0	278.8	14.420	57.96	26.0	1.4
90.0	295.2	14.540	58.17	24.0	1.3
95.0	311.6	14.660	58.39	24.0	1.3
100.0	328.0	14.900	58.82	46.0	2.6
105.0	344.4	15.090	59.16	38.0	2.1
110.0	360.8	15.340	59.61	50.0	2.7
115.0	377.2	15.550	59.99	42.0	2.3
120.0	393.6	15.860	60.55	62.0	3.4
122.0	400.2	15.910	60.64	25.0	1.4

342

TEMPERATURE, DEG C



LOCATION: ROSEBURG AMS, OREGON

27S/ SW-23AA

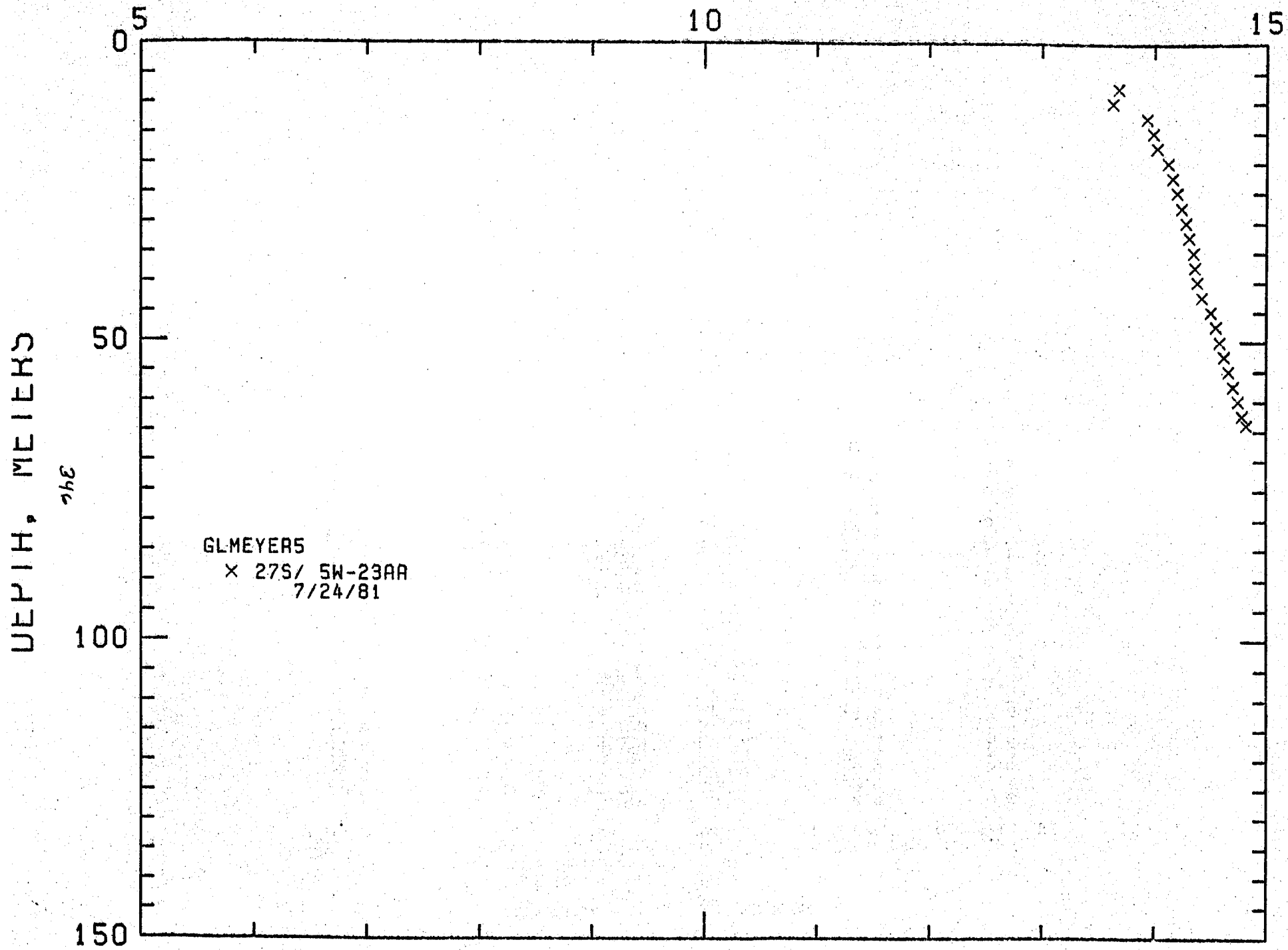
HOLE NAME: GLMEYERS

DATE MEASURED: 7/24/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
7.5	24.6	13.680	56.62	0.0	0.0
10.0	32.8	13.630	56.53	-20.0	-1.1
12.5	41.0	13.930	57.07	120.0	6.6
15.0	49.2	13.990	57.18	24.0	1.3
17.5	57.4	14.020	57.24	12.0	0.7
20.0	65.6	14.120	57.42	40.0	2.2
22.5	73.8	14.160	57.49	16.0	0.9
25.0	82.0	14.200	57.56	16.0	0.9
27.5	90.2	14.240	57.63	16.0	0.9
30.0	98.4	14.280	57.70	16.0	0.9
32.5	106.6	14.310	57.76	16.0	0.9
35.0	114.8	14.350	57.83	12.0	0.7
37.5	123.0	14.360	57.85	16.0	0.9
40.0	131.2	14.380	57.88	4.0	0.2
42.5	139.4	14.420	57.96	8.0	0.4
45.0	147.6	14.500	58.10	16.0	0.9
47.5	155.8	14.550	58.19	32.0	1.8
50.0	164.0	14.580	58.24	20.0	1.1
52.5	172.2	14.620	58.32	12.0	0.7
55.0	180.4	14.660	58.39	16.0	0.9
57.5	188.6	14.700	58.46	16.0	0.9
60.0	196.8	14.750	58.55	16.0	0.9
62.5	205.0	14.780	58.60	20.0	1.1
64.0	209.9	14.820	58.68	12.0	0.7
				26.7	1.5

34-

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

295/ 6E- 98CB

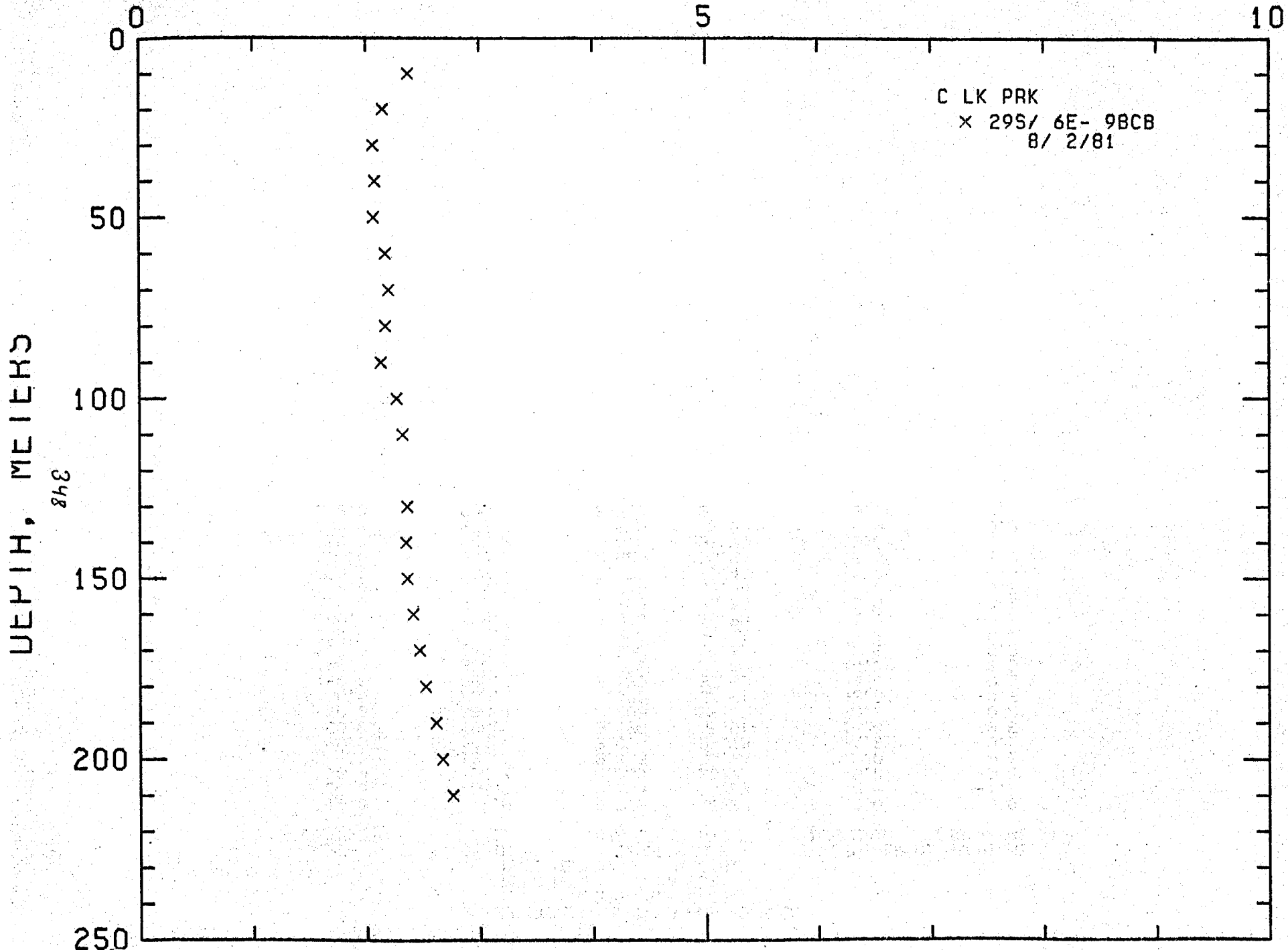
HOLE NAME: C LK PRK

DATE MEASURED: 8/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	2.370	36.27	0.0	0.0
20.0	65.6	2.150	35.87	-22.0	-1.22
30.0	98.4	2.050	35.71	-9.0	-0.51
40.0	131.2	2.080	35.74	2.0	0.11
50.0	164.0	2.070	35.73	-1.0	-0.11
60.0	196.8	2.170	35.91	10.0	0.56
70.0	229.6	2.200	35.96	3.0	0.17
80.0	262.4	2.170	35.91	-3.0	-0.17
90.0	295.2	2.130	35.83	-4.0	-0.22
100.0	328.0	2.270	36.09	14.0	0.78
110.0	360.8	2.320	36.18	5.0	0.28
130.0	426.4	2.350	36.23	2.0	0.11
140.0	459.2	2.350	36.23	-1.0	-0.11
150.0	492.0	2.350	36.23	1.0	0.11
160.0	524.8	2.410	36.34	5.0	0.28
170.0	557.6	2.470	36.45	5.0	0.28
180.0	590.4	2.520	36.54	5.0	0.28
190.0	623.2	2.510	36.70	9.0	0.51
200.0	656.0	2.570	36.81	6.0	0.33
210.0	688.8	2.750	36.97	9.0	0.51

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TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

31S/ 2W-11BCA

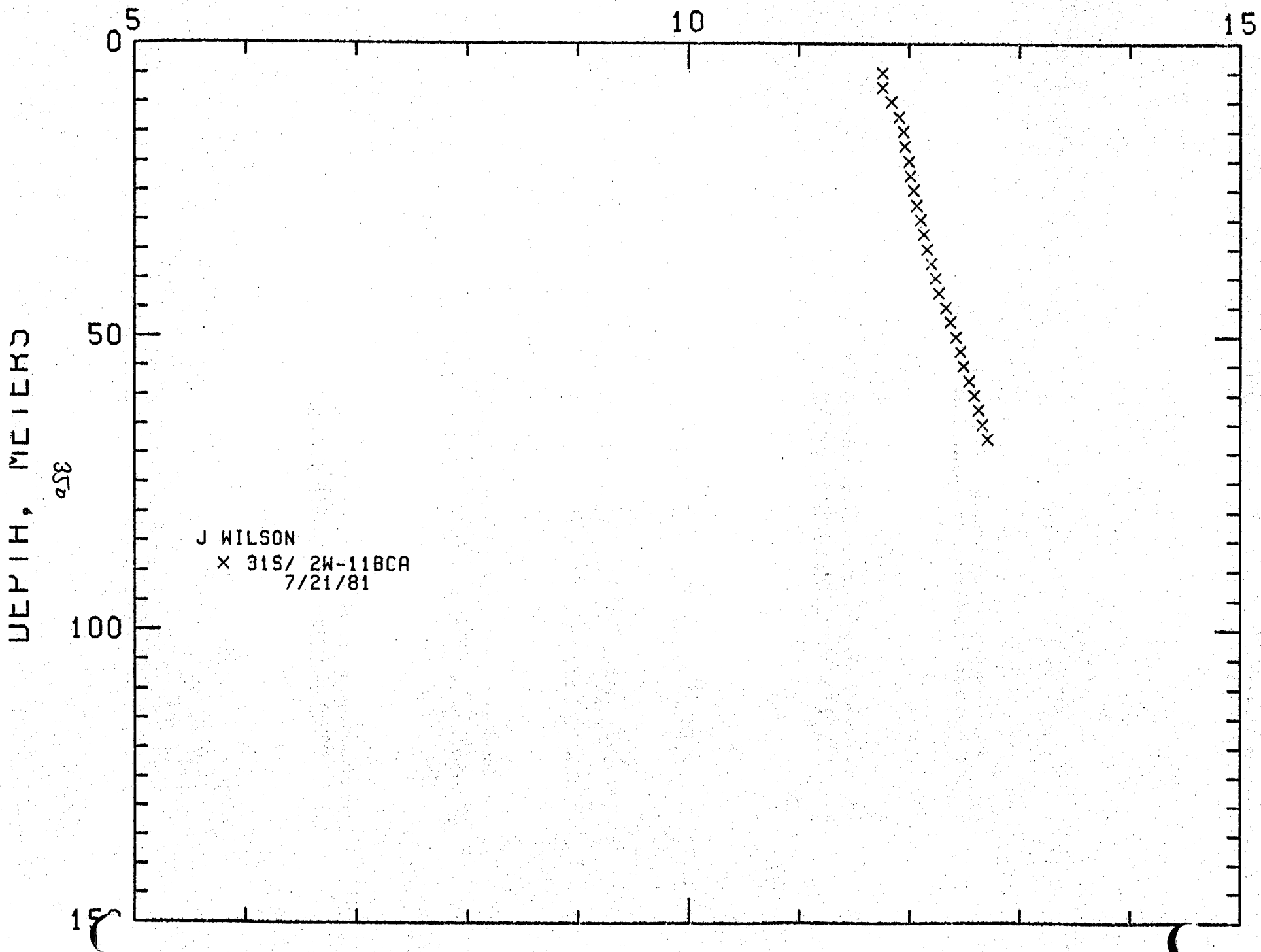
HOLE NAME: J WILSON

DATE MEASURED: 7/21/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	11.760	53.17	0.0	0.0
7.5	24.6	11.760	53.17	0.0	0.0
10.0	32.8	11.840	53.31	32.0	1.1
12.5	41.0	11.910	53.44	28.0	1.1
15.0	49.2	11.950	53.51	16.0	0.5
17.5	57.4	11.960	53.53	4.0	0.1
20.0	65.6	12.000	53.60	16.0	0.5
22.5	73.8	12.010	53.62	4.0	0.1
25.0	82.0	12.040	53.67	12.0	0.4
27.5	90.2	12.070	53.73	12.0	0.4
30.0	98.4	12.100	53.78	12.0	0.4
32.5	106.6	12.130	53.83	12.0	0.4
35.0	114.8	12.160	53.89	12.0	0.4
37.5	123.0	12.200	54.06	16.0	0.5
40.0	131.2	12.240	54.03	16.0	0.5
42.5	139.4	12.270	54.09	12.0	0.4
45.0	147.6	12.330	54.19	24.0	1.1
47.5	155.8	12.370	54.27	16.0	0.5
50.0	164.0	12.420	54.36	20.0	1.1
52.5	172.2	12.460	54.43	16.0	0.5
55.0	180.4	12.490	54.48	12.0	0.4
57.5	188.6	12.540	54.57	20.0	1.1
60.0	196.8	12.590	54.66	20.0	1.1
62.5	205.0	12.630	54.73	16.0	0.5
65.0	213.2	12.660	54.79	12.0	0.4
67.5	221.4	12.710	54.88	20.0	1.1

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TEMPERATURE, DEG C



J WILSON
X 315/ 2W-11BCA
7/21/81

LOCATION: MEDFORD AMS, OREGON

31S/ 3E- 3DAA

HOLE NAME: USFS NUC

DATE MEASURED: 7/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.5	8.2	11.290	52.32	0.0	0.0
5.0	16.4	7.730	45.91	-1424.0	-78.1
7.5	24.6	7.270	45.09	-164.0	-10.1
10.0	32.8	7.030	44.65	-96.0	-5.3
12.5	41.0	6.720	44.10	-124.0	-6.8
15.0	49.2	6.570	43.83	-60.0	-3.3
17.5	57.4	6.430	43.57	-56.0	-3.1
20.0	65.6	6.320	43.38	-44.0	-2.4
22.5	73.8	6.240	43.23	-32.0	-1.8
25.0	82.0	6.130	43.03	-44.0	-2.4
27.5	90.2	6.020	42.84	-44.0	-2.4
30.0	98.4	6.030	42.85	4.0	0.2
32.5	106.6	6.000	42.80	-12.0	-0.7
35.0	114.8	5.950	42.71	-20.0	-1.1
37.5	123.0	5.930	42.67	-8.0	-0.4
40.0	131.2	5.910	42.64	-8.0	-0.4
42.5	139.4	5.880	42.58	-12.0	-0.7
45.0	147.6	5.880	42.58	0.0	0.0
47.5	155.8	5.870	42.57	-4.0	-0.2
50.0	164.0	5.880	42.58	4.0	0.2
52.5	172.2	5.880	42.58	0.0	0.0

TEMPERATURE, DEG C

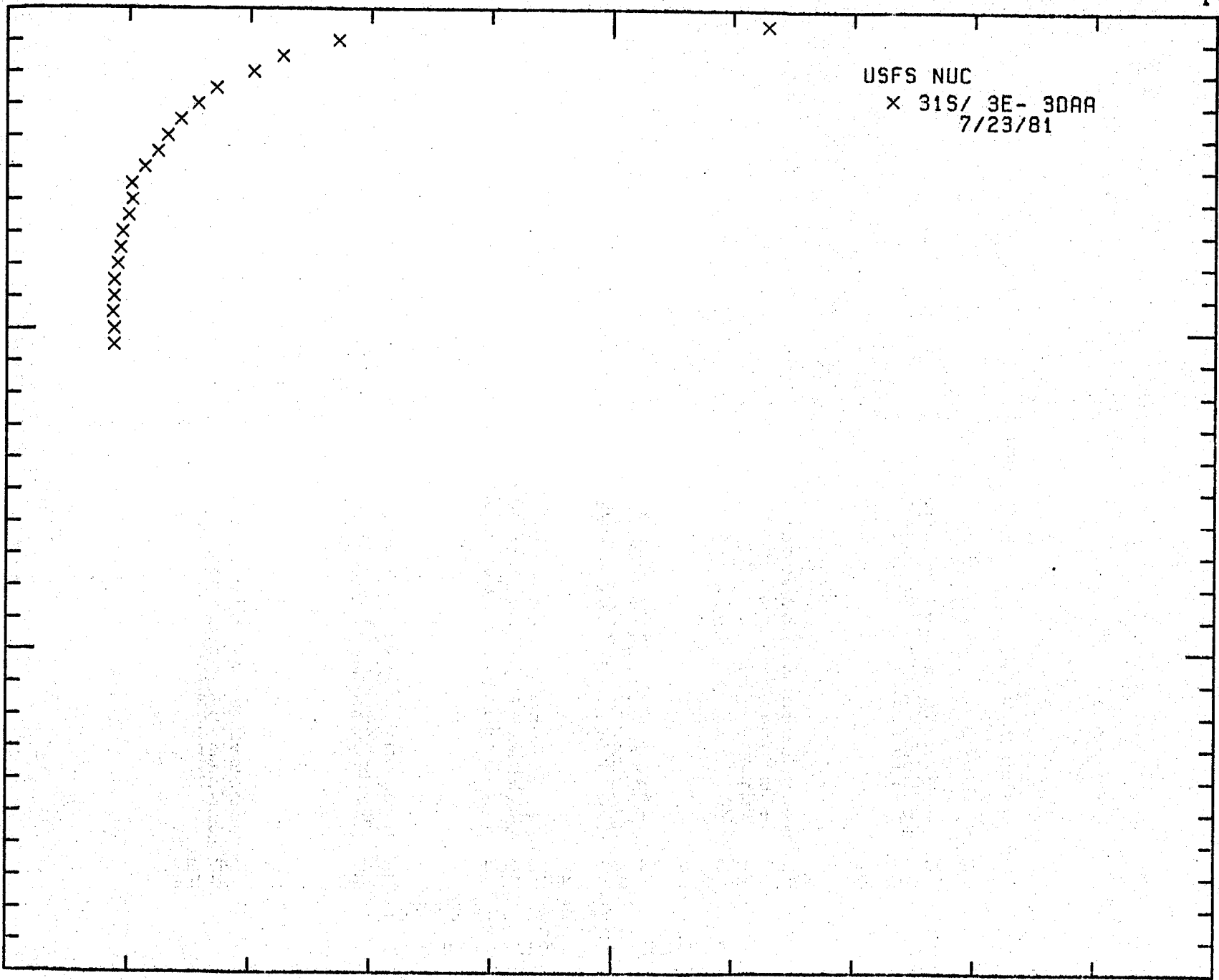
5 10 15

USFS NUC
X 315/ 3E- 3DAA
7/23/81

DEPTH, METERS

352

0
50
100
150



LOCATION: MEDFORD AMS, OREGON

32S/ 3E-29BA

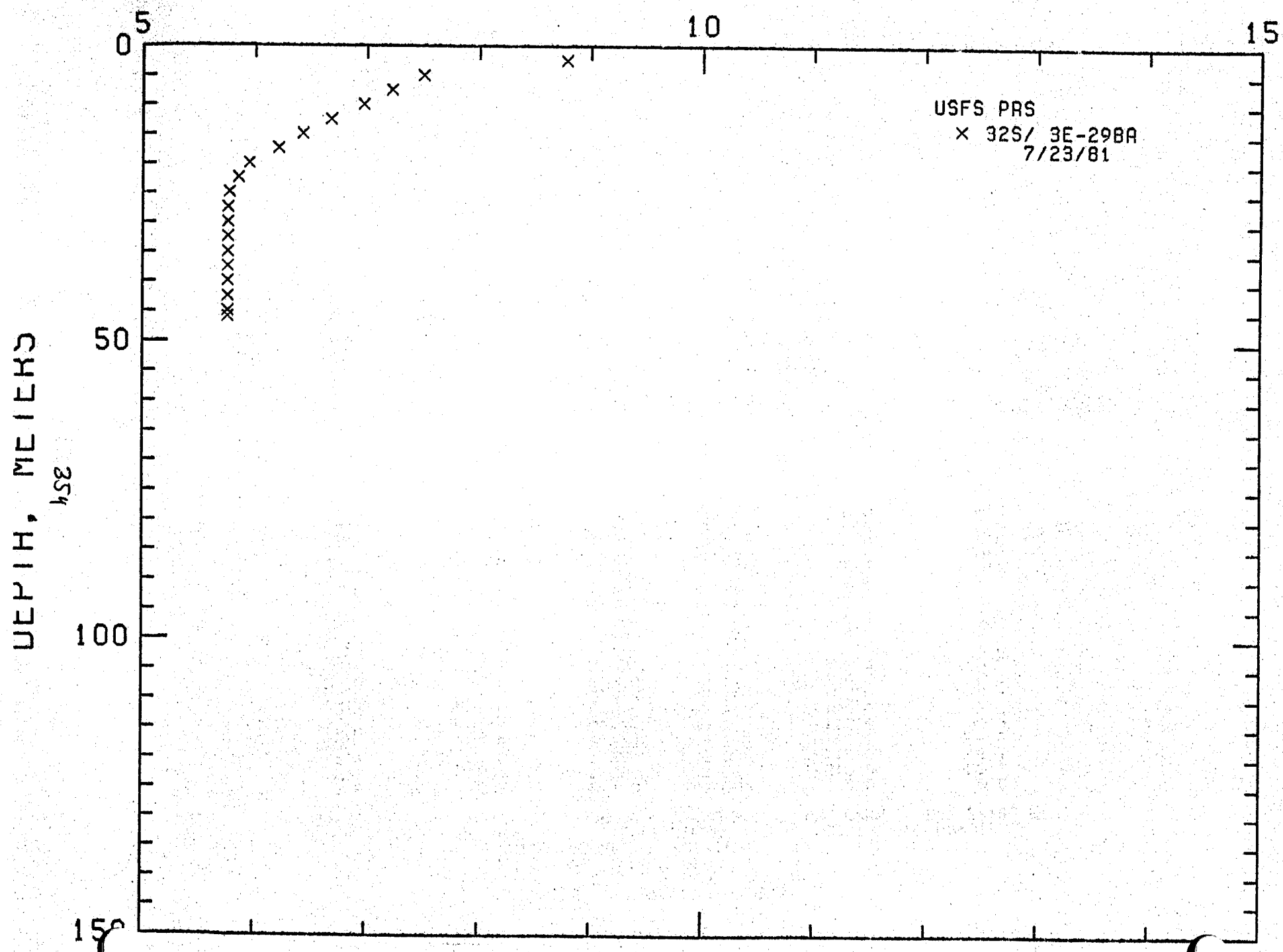
HOLE NAME: USFS PRS

DATE MEASURED: 7/23/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
2.5	8.2	6.780	47.80	0.0	0.0
7.5	16.4	7.500	45.50	-512.0	-28.1
10.5	24.6	7.220	45.00	-112.0	1.1
12.5	32.8	6.970	44.55	-100.0	1.5
15.5	41.0	6.680	44.02	-116.0	1.4
17.5	49.2	6.430	43.57	-100.0	1.5
20.5	57.4	6.210	43.18	-88.0	1.8
22.5	65.6	5.950	42.71	-104.0	1.7
24.5	73.8	5.850	42.53	-40.0	1.2
26.5	82.0	5.770	42.39	-32.0	1.1
28.5	90.2	5.760	42.37	-4.0	0.2
30.5	98.4	5.760	42.37	0.0	0.0
32.5	106.6	5.760	42.37	0.0	0.0
34.5	114.8	5.760	42.37	0.0	0.0
36.5	123.0	5.760	42.37	0.0	0.0
38.5	131.2	5.760	42.37	0.0	0.0
40.5	139.4	5.760	42.37	0.0	0.0
42.5	147.6	5.760	42.37	0.0	0.0
44.5	150.9	5.760	42.37	0.0	0.0

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TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

335/ 2E-17ADC

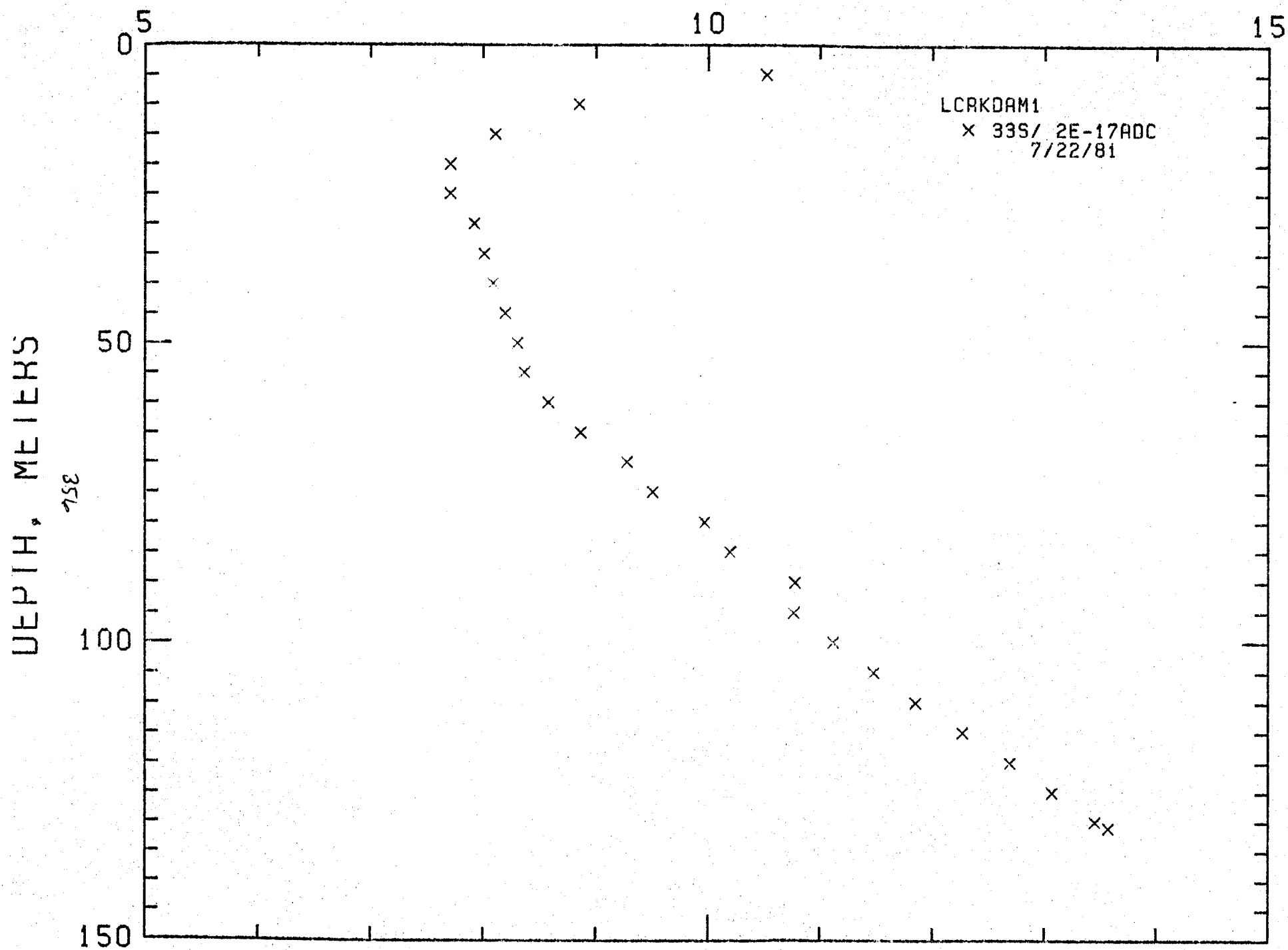
HOLE NAME: LCRK DAM1

DATE MEASURED: 7/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	10.520	50.94	0.0	0.0
10.0	32.8	8.850	47.93	-334.0	-18.3
15.0	49.2	8.110	46.60	-148.0	-8.1
20.0	65.6	7.710	45.88	-80.0	-4.4
25.0	82.0	7.710	45.88	0.0	0.0
30.0	98.4	7.920	46.26	42.0	2.3
35.0	114.8	8.010	46.42	18.0	1.0
40.0	131.2	8.090	46.56	16.0	0.9
45.0	147.6	8.200	46.76	22.0	1.2
50.0	164.0	8.310	46.96	22.0	1.1
55.0	180.4	8.370	47.07	12.0	0.7
60.0	196.8	8.580	47.44	42.0	2.3
65.0	213.2	8.870	47.97	58.0	3.2
70.0	229.6	9.280	48.70	82.0	4.5
75.0	246.0	9.510	49.12	46.0	2.5
80.0	262.4	9.970	49.95	92.0	5.1
85.0	278.8	10.200	50.36	46.0	2.5
90.0	295.2	10.780	51.40	116.0	6.4
95.0	311.6	10.770	51.39	-2.0	-0.1
100.0	328.0	11.120	52.02	70.0	3.8
105.0	344.4	11.480	52.66	72.0	4.0
110.0	360.8	11.850	53.33	74.0	4.1
115.0	377.2	12.270	54.09	84.0	4.6
120.0	393.6	12.690	54.84	84.0	4.6
125.0	410.0	13.070	55.53	76.0	4.2
130.0	426.4	13.450	56.21	76.0	4.2
131.0	429.7	13.570	56.43	120.0	6.6

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TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

33S/ 2E-17ADD

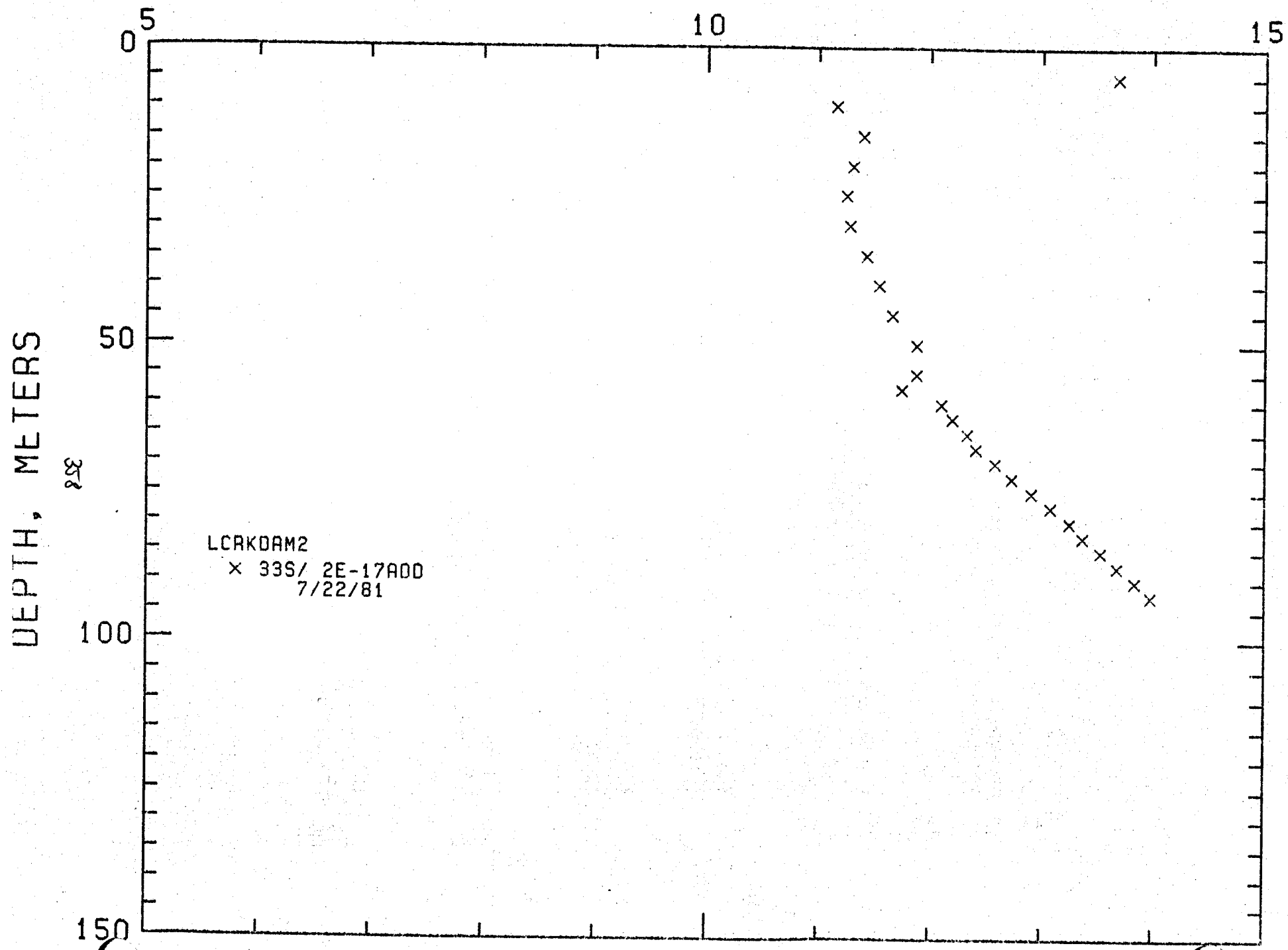
HOLE NAME: LCRKDAM2

DATE MEASURED: 7/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	13.680	56.62	0.0	0.0
10.0	32.8	11.160	52.09	-504.0	-27.7
15.0	49.2	11.400	52.52	48.0	2.6
20.0	65.6	11.310	52.36	-18.0	-1.0
25.0	82.0	11.250	52.25	-12.0	-0.7
30.0	98.4	11.280	52.30	6.0	0.3
35.0	114.8	11.430	52.57	30.0	1.6
40.0	131.2	11.540	52.77	22.0	1.2
45.0	147.6	11.660	52.99	24.0	1.3
50.0	164.0	11.880	53.38	44.0	2.4
55.0	180.4	11.880	53.38	0.0	0.0
57.5	188.6	11.750	53.15	-52.0	-2.8
60.0	196.8	12.100	53.78	140.0	7.7
62.5	205.0	12.200	53.96	40.0	2.2
65.0	213.2	12.330	54.19	52.0	2.8
67.5	221.4	12.410	54.34	32.0	1.7
70.0	229.6	12.580	54.64	68.0	3.7
72.5	237.8	12.730	54.91	60.0	3.3
75.0	246.0	12.910	55.24	72.0	4.0
77.5	254.2	13.080	55.54	68.0	3.7
80.0	262.4	13.250	55.85	68.0	3.7
82.5	270.6	13.370	56.07	48.0	2.6
85.0	278.8	13.530	56.35	64.0	3.5
87.5	287.0	13.680	56.62	60.0	3.3
90.0	295.2	13.840	56.91	64.0	3.5
92.5	303.4	13.980	57.16	56.0	3.1

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TEMPERATURE, DEG C



LOCATION: KLAMATH FALLS AMS, ORE.

335/18E-23CBD

HOLE NAME: COLLO

DATE MEASURED: 9/25/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

2.0	6.6	12.105	53.79	0.0	0.0
4.0	9.8	12.618	54.71	513.0	28.22
5.0	13.1	13.061	55.51	443.0	24.32
6.0	16.4	13.454	56.22	393.0	21.68
7.0	19.7	13.823	56.88	369.0	20.68
8.0	23.0	14.083	57.35	260.0	14.32
9.0	26.3	14.364	57.86	281.0	15.44
10.0	29.6	14.587	58.26	223.0	12.22
11.0	32.9	14.769	58.58	182.0	10.00
12.0	36.1	15.110	59.20	341.0	18.77
13.0	39.4	15.451	59.81	341.0	18.77
14.0	42.6	15.831	60.50	380.0	20.99
15.0	45.9	16.350	61.43	519.0	28.22
16.0	49.2	17.156	62.88	806.0	44.22
17.0	52.5	17.651	63.77	495.0	27.22
18.0	55.8	18.634	65.54	983.0	53.99
19.0	59.1	19.035	66.26	401.0	22.22
20.0	62.4	19.616	67.31	581.0	31.99
21.0	65.7	20.000	68.00	384.0	21.11
22.0	69.0	20.898	69.62	898.0	49.22
23.0	72.3	21.291	70.32	393.0	21.68
24.0	75.6	21.888	71.40	597.0	32.68
25.0	78.9	22.521	72.54	633.0	34.77
26.0	82.2	22.953	73.32	432.0	23.77
27.0	85.5	23.234	73.82	281.0	15.44
28.0	88.8	23.728	74.71	494.0	27.11
29.0	92.1	24.171	75.51	443.0	24.32
30.0	95.4	24.751	76.55	580.0	31.68
31.0	98.7	25.193	77.35	442.0	24.32
32.0	102.0	25.603	78.09	410.0	22.22
33.0	105.3	26.203	79.17	600.0	33.00
34.0	108.6	27.086	80.75	883.0	48.22
35.0	111.9	27.976	82.36	890.0	48.68
36.0	115.2	28.939	84.09	963.0	52.68
37.0	118.5	30.109	86.20	1170.0	64.22
38.0	121.8	31.546	88.78	1437.0	78.22
39.0	125.1	32.844	91.12	1298.0	70.22
40.0	128.4	34.950	94.91	2106.0	115.22
41.0	131.7	36.912	98.44	1962.0	107.22
42.0	135.0	39.958	103.92	3046.0	167.22
43.0	138.3	53.092	127.57	13134.0	720.00

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LOCATION: KLAMATH FALLS AMS, ORE.

PAGE 2

33S/18E-23CBD
 HOLE NAME: COLLO
 DATE MEASURED: 9/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	58.377	137.08	5285.0	290.0
44.0	144.3	59.057	138.30	6880.0	37.3
45.0	147.6	59.326	138.79	269.0	14.8
46.0	150.9	59.486	139.07	160.0	8.8
47.0	154.2	59.677	139.42	191.0	10.5
48.0	157.4	59.775	139.59	98.0	5.4
49.0	160.7	59.853	139.74	78.0	4.3
50.0	164.0	59.946	139.90	93.0	5.1
51.0	167.3	59.992	139.99	46.0	2.5
52.0	170.6	60.055	140.10	63.0	3.4
53.0	173.8	60.075	140.14	20.0	1.1
54.0	177.1	60.066	140.12	5.0	0.3
55.0	180.4	59.988	139.98	-78.0	-4.3
56.0	183.7	59.876	139.78	-112.0	-6.2
57.0	187.0	59.724	139.50	-152.0	-8.4
58.0	190.2	59.576	139.23	-149.0	-8.2
59.0	193.5	59.362	138.85	-213.0	-11.7
60.0	196.8	59.053	138.30	-309.0	-17.0
61.0	200.1	58.324	136.98	-729.0	-40.0
62.0	203.4	57.292	135.13	-1032.0	-56.8
63.0	206.6	56.480	133.66	-812.0	-44.6
64.0	209.9	55.884	132.59	-596.0	-33.1
65.0	213.2	55.587	132.06	-297.0	-16.5
66.0	216.5	55.486	131.87	-101.0	-5.6
67.0	219.8	55.469	131.84	-17.0	-0.9
68.0	223.1	55.480	131.86	11.0	0.6
69.0	226.4	55.525	131.94	45.0	2.5
70.0	229.7	55.599	132.08	74.0	4.1
71.0	232.9	55.661	132.19	62.0	3.4
72.0	236.2	55.713	132.28	52.0	2.9
73.0	239.4	55.712	132.28	-1.0	0.1
74.0	242.7	55.641	132.15	-71.0	-4.0
75.0	246.0	55.597	132.07	-44.0	-2.4
76.0	249.3	55.591	132.06	-6.0	-0.3
77.0	252.6	55.566	132.02	-25.0	-1.4
78.0	255.9	55.577	132.04	11.0	0.6
79.0	259.1	55.700	132.26	123.0	6.8
80.0	262.4	55.798	132.44	98.0	5.4
81.0	265.7	55.928	132.67	130.0	7.2
82.0	269.0	56.023	132.84	95.0	5.3
83.0	272.2	56.105	132.99	82.0	4.6

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LOCATION: KLAMATH FALLS AMS, ORE.

PAGE 3

335/18E-23CBD

HOLE NAME: COLLO

DATE MEASURED: 9/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	56.182	133.13	77.0	4.2
85.0	278.0	56.275	133.29	93.0	4.4
86.0	282.1	56.361	133.45	86.0	4.4
87.0	285.4	56.428	133.57	67.0	4.4
88.0	288.6	56.517	133.73	89.0	4.4
89.0	291.9	56.625	133.93	108.0	4.4
90.0	295.2	56.702	134.06	77.0	4.4
91.0	298.5	56.804	134.25	102.0	4.4
92.0	301.8	56.883	134.39	79.0	4.4
93.0	305.0	57.008	134.61	125.0	4.4
94.0	308.3	57.078	134.74	70.0	4.4
95.0	311.6	57.148	134.87	70.0	4.4
96.0	314.9	57.250	135.05	102.0	4.4
97.0	318.2	57.321	135.18	71.0	4.4
98.0	321.4	57.382	135.29	61.0	4.4
99.0	324.7	57.451	135.41	69.0	4.4
100.0	328.0	57.542	135.58	91.0	4.4
101.0	331.3	57.623	135.72	81.0	4.4
102.0	334.6	57.683	135.83	60.0	4.4
103.0	337.8	57.757	135.96	74.0	4.4
104.0	341.1	57.821	136.08	64.0	4.4
105.0	344.4	57.930	136.27	109.0	4.4
106.0	347.7	58.025	136.45	95.0	4.4
107.0	351.0	58.162	136.69	137.0	4.4
108.0	354.2	58.275	136.90	113.0	4.4
109.0	357.5	58.524	137.34	249.0	4.4
110.0	360.8	58.053	138.30	529.0	4.4
111.0	364.1	59.190	138.54	137.0	4.4
112.0	367.4	60.192	140.35	1002.0	4.4
113.0	370.6	61.025	141.84	833.0	4.4
114.0	373.9	62.349	144.23	1324.0	4.4
115.0	377.2	63.149	145.67	600.0	4.4
116.0	380.5	63.974	147.15	825.0	4.4
117.0	383.8	64.721	148.50	747.0	4.4
118.0	387.0	65.233	149.42	512.0	4.4
119.0	390.3	66.028	150.86	795.0	4.4
120.0	393.6	66.762	152.17	734.0	4.4
121.0	396.9	67.673	153.81	911.0	4.4
122.0	400.2	68.097	154.57	424.0	4.4
123.0	403.4	68.708	155.67	611.0	4.4
124.0	406.7	69.359	156.85	651.0	4.4

361

LOCATION: KLAMATH FALLS AMS, ORE.

PAGE 4

335/18E-23CBD

HOLE NAME: COLLO

DATE MEASURED: 9/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	70.183	158.33	824.0	45.2
126.0	413.3	70.749	159.35	566.0	31.1
127.0	416.6	71.446	160.60	697.0	38.2
128.0	419.8	72.479	162.46	1033.0	56.7
129.0	423.1	73.454	164.22	975.0	53.5
130.0	426.4	75.337	167.61	1883.0	103.3
131.0	429.7	79.127	174.43	3790.0	208.0
132.0	433.0	80.923	177.66	1796.0	98.6
133.0	436.2	82.282	180.11	1359.0	74.6
134.0	439.5	82.523	180.54	241.0	13.2
135.0	442.8	82.775	181.00	252.0	13.0
136.0	446.1	82.989	181.38	214.0	11.7
137.0	449.4	83.135	181.64	146.0	8.0
138.0	452.6	83.273	181.89	136.0	7.5
139.0	455.9	83.372	182.07	99.0	5.4
140.0	459.2	83.537	182.37	165.0	9.1
141.0	462.5	83.604	182.49	67.0	3.7
142.0	465.8	83.637	182.55	33.0	1.8
143.0	469.0	83.732	182.72	95.0	5.2
144.0	472.3	83.847	182.92	115.0	6.4
145.0	475.6	83.890	183.00	43.0	2.4
146.0	478.9	83.960	183.13	70.0	3.8
147.0	482.2	83.992	183.19	32.0	1.6
148.0	485.4	83.944	183.10	48.0	2.6
149.0	488.7	84.078	183.34	134.0	7.4
150.0	492.0	84.140	183.45	62.0	3.4
151.0	495.3	84.155	183.48	15.0	0.8
152.0	498.6	84.062	183.31	-93.0	-1.1
153.0	501.9	84.020	183.24	-42.0	-0.5
154.0	505.1	84.237	183.63	217.0	11.9
155.0	508.4	85.020	185.04	783.0	43.0
156.0	511.7	85.581	186.05	561.0	30.0
157.0	515.0	85.554	186.00	-27.0	-1.1
158.0	518.2	85.606	186.09	52.0	2.9
159.0	521.5	86.148	187.07	542.0	30.7
160.0	524.8	87.145	188.86	997.0	54.9
161.0	528.1	87.600	189.68	455.0	25.8
162.0	531.4	88.263	190.87	663.0	36.0
163.0	534.6	88.420	191.16	157.0	8.6
164.0	537.9	88.602	191.48	182.0	10.0
165.0	541.2	88.402	191.12	-200.0	-11.0

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LOCATION: KLAMATH FALLS AMS, ORE.

PAGE 5

335/18E-23CBD

HOLE NAME: COLLO

DATE MEASURED: 9/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
166.0	544.5	89.097	192.37	695.0	38.1
167.0	547.8	89.055	192.30	742.0	38.1
168.0	551.0	89.100	192.38	45.0	38.1
169.0	554.3	89.162	192.49	62.0	38.1
170.0	557.6	89.290	192.72	128.0	38.1
171.0	560.9	89.260	192.67	130.0	38.1
172.0	564.2	89.319	192.77	150.0	38.1
173.0	567.4	89.220	192.60	159.0	38.1
174.0	570.7	89.125	192.43	155.0	38.1
175.0	574.0	89.120	192.42	15.0	38.1
176.0	577.3	89.059	192.31	161.0	38.1
177.0	580.6	89.459	193.03	400.0	38.1
178.0	583.8	89.829	193.69	370.0	38.1
179.0	587.1	99.555	200.40	372.0	38.1
180.0	590.4	98.537	209.37	498.0	38.1
181.0	593.7	102.459	216.43	992.0	38.1
182.0	597.0	103.377	218.08	918.0	38.1
183.0	600.2	103.325	217.99	159.0	38.1
184.0	603.5	102.990	217.38	139.0	38.1
185.0	606.8	103.224	217.80	234.0	38.1
186.0	610.1	103.291	217.92	67.0	38.1
187.0	613.4	103.393	218.11	102.0	38.1
188.0	616.6	103.627	218.53	234.0	38.1
189.0	619.9	103.643	218.56	16.0	38.1
195.0	639.6	102.290	216.12	127.0	38.1
196.0	642.9	102.270	216.09	120.0	38.1
197.0	646.2	102.446	216.40	175.0	38.1
198.0	649.4	102.467	216.44	21.0	38.1
199.0	652.7	102.314	216.17	153.0	38.1
200.0	656.0	102.486	216.47	172.0	38.1
201.0	659.3	102.430	216.37	155.0	38.1
202.0	662.6	102.334	216.20	138.0	38.1
203.0	665.8	102.427	216.37	139.0	38.1
204.0	669.1	102.492	216.49	65.0	38.1
205.0	672.4	102.552	216.59	60.0	38.1
206.0	675.7	102.583	216.65	31.0	38.1
207.0	679.0	102.589	216.66	6.0	38.1
208.0	682.2	102.580	216.64	1.0	38.1
209.0	685.5	102.567	216.62	1.0	38.1
210.0	688.8	102.557	216.60	1.0	38.1
211.0	692.1	102.552	216.59	1.0	38.1

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LOCATION: KLAMATH FALLS AMS. ORE.

PAGE 6

HOLE NAME: COLLO
33S/18E-23CBD

DATE MEASURED: 9/25/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
212.0	695.4	102.550	216.59	-2.0	-0.1
213.0	698.6	102.548	216.58	-2.0	-0.1
214.0	701.9	102.547	216.58	-1.0	-0.1
215.0	705.2	102.547	216.58	-1.0	-0.1
216.0	708.5	102.539	216.57	0.0	0.0
217.0	711.8	102.517	216.53	-5.0	-0.4
218.0	715.0	102.507	216.51	-22.0	-1.0
219.0	718.3	102.534	216.56	-10.0	-0.5
220.0	721.6	102.582	216.65	27.0	1.0
221.0	724.9	102.686	216.83	48.0	1.5
222.0	728.2	102.719	216.89	104.0	2.5
223.0	731.4	102.724	216.90	33.0	1.0
224.0	734.7	102.722	216.90	5.0	0.3
225.0	738.0	102.877	217.18	15.0	0.5
226.0	741.3	103.857	218.94	95.0	2.5
227.0	744.6	106.059	222.91	220.0	5.0
228.0	747.9	106.894	224.41	330.0	6.5
229.0	751.1	109.577	229.24	268.0	7.5
230.0	754.4	109.721	229.50	144.0	4.0
231.0	757.7	109.855	229.74	134.0	3.4
232.0	761.0	109.997	229.99	142.0	3.8
233.0	764.2	110.139	230.25	142.0	3.8

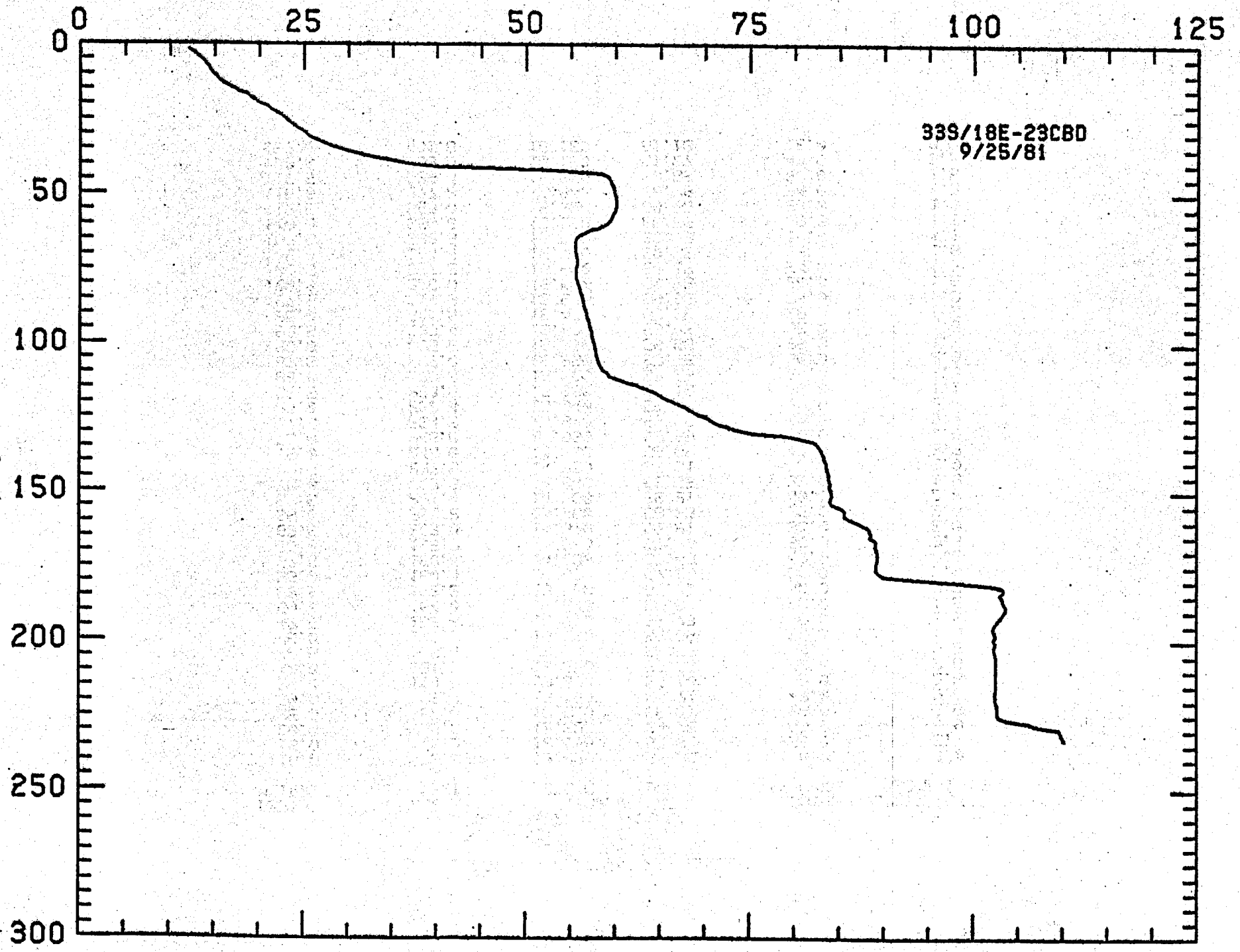
364

TEMPERATURE, DEG C

339/18E-23CBD
9/25/81

DEPTH, METERS

365



LOCATION: MEDFORD AMS, OREGON

34S/ 1W- 4DDC

HOLE NAME: MARTINSN

DATE MEASURED: 7/31/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	33.0	12.420	54.36	0.0	0.0
15.0	49.2	12.170	53.91	50.0	0.0
20.0	65.6	12.620	54.72	90.0	0.0
25.0	82.0	12.950	55.31	66.0	0.0
30.0	98.4	13.190	55.74	48.0	0.0
35.0	114.8	13.390	56.10	40.0	0.0
40.0	131.2	13.630	56.53	48.0	0.0
45.0	147.6	13.640	56.55	4.0	0.0
50.0	164.0	13.700	56.66	24.0	0.0
55.0	180.4	13.770	56.79	28.0	0.0
60.0	196.8	13.840	56.91	28.0	0.0
65.0	213.2	13.940	57.09	40.0	0.0
70.0	229.6	14.030	57.25	36.0	0.0
75.0	246.0	14.130	57.43	40.0	0.0
80.0	262.4	14.280	57.70	60.0	0.0
85.0	278.8	14.370	57.87	36.0	0.0
90.0	295.2	14.460	58.03	36.0	0.0
95.0	311.6	14.560	58.21	40.0	0.0
100.0	328.0	14.640	58.35	36.0	0.0
105.0	344.4	14.730	58.51	36.0	0.0
110.0	360.8	14.830	58.69	40.0	0.0
115.0	377.2	14.830	58.69	0.0	0.0
120.0	393.6	14.940	58.99	44.0	0.0
125.0	410.0	15.040	59.07	40.0	0.0
		15.090	59.16	20.0	0.0
		15.160	59.29	28.0	0.0
		15.250	59.45	36.0	0.0
		15.320	59.58	28.0	0.0
		15.400	59.72	32.0	0.0
		15.470	59.85	28.0	0.0
		15.530	59.95	24.0	0.0
		15.600	60.08	28.0	0.0
		15.660	60.19	24.0	0.0
		15.740	60.33	32.0	0.0
		15.790	60.42	20.0	0.0
		15.860	60.55	28.0	0.0
		15.920	60.66	24.0	0.0
		15.980	60.76	24.0	0.0
		16.050	60.89	28.0	0.0
		16.150	61.07	40.0	0.0
		16.180	61.12	12.0	0.0

37C

LOCATION: MEDFORD AMS, OREGON

PAGE 2

34S/ 1W- 4DDC

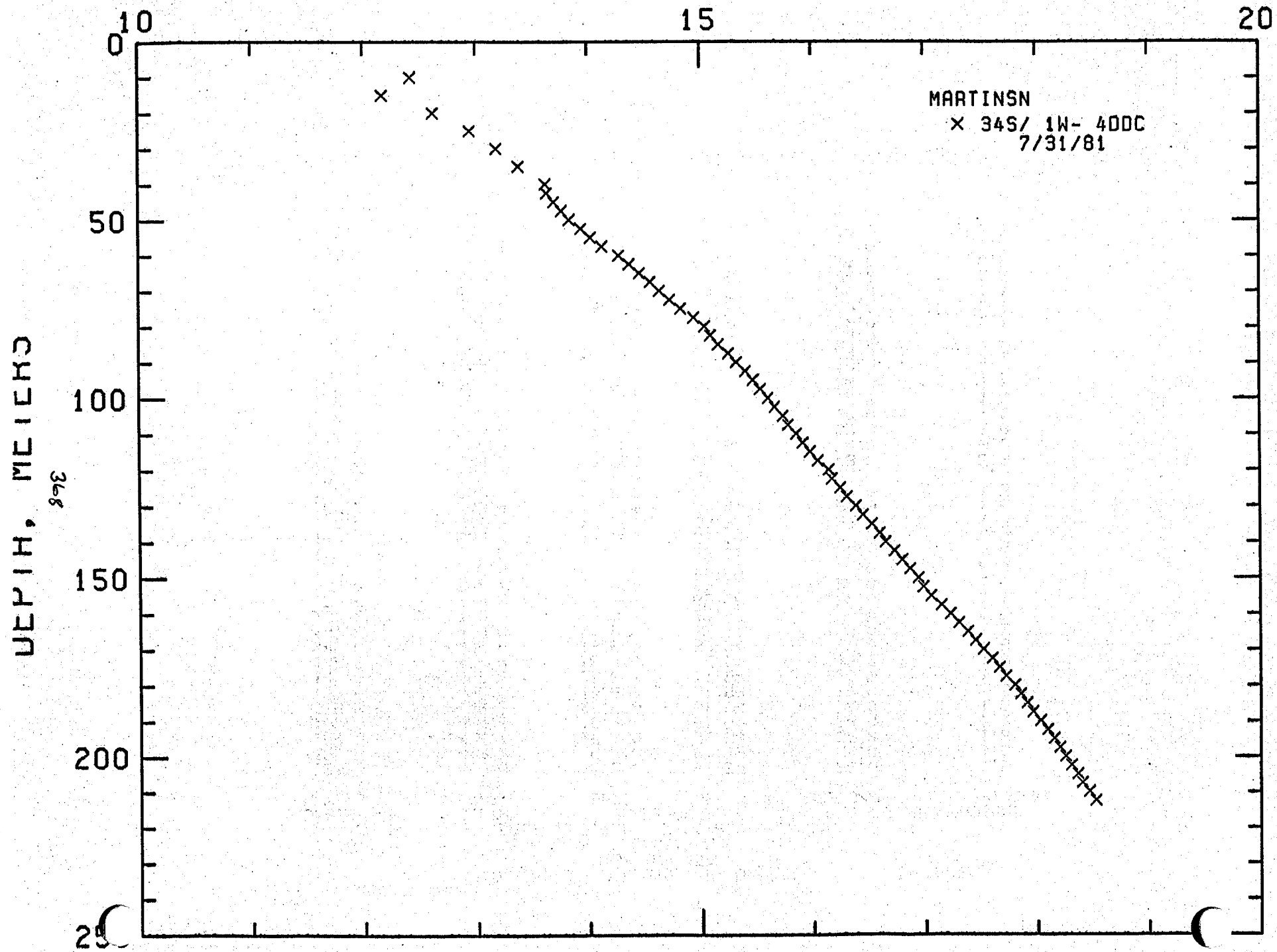
HOLE NAME: MARTINSN

DATE MEASURED: 7/31/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	16.250	61.25	28.0	1.5
127.5	418.2	16.310	61.36	24.0	1.3
130.0	426.4	16.390	61.50	32.0	1.8
132.5	434.6	16.450	61.61	24.0	1.3
135.0	442.8	16.530	61.75	32.0	1.8
137.5	451.0	16.600	61.88	28.0	1.5
140.0	459.2	16.650	61.97	28.0	1.5
142.5	467.4	16.730	62.11	32.0	1.8
145.0	475.6	16.800	62.24	28.0	1.5
147.5	483.8	16.870	62.37	28.0	1.5
150.0	492.0	16.940	62.49	28.0	1.5
152.5	500.2	16.990	62.58	28.0	1.5
155.0	508.4	17.060	62.71	28.0	1.5
157.5	516.6	17.150	62.87	36.0	2.0
160.0	524.8	17.230	63.01	32.0	1.8
162.5	533.0	17.300	63.14	28.0	1.5
165.0	541.2	17.380	63.28	32.0	1.8
167.5	549.4	17.450	63.41	28.0	1.5
170.0	557.6	17.520	63.54	28.0	1.5
172.5	565.8	17.600	63.68	32.0	1.8
175.0	574.0	17.720	63.90	48.0	2.6
177.5	582.2	17.720	63.90	0.0	0.0
180.0	590.4	17.800	64.04	32.0	1.8
182.5	598.6	17.850	64.13	28.0	1.5
185.0	606.8	17.910	64.24	24.0	1.3
187.5	615.0	17.960	64.33	28.0	1.5
190.0	623.2	18.030	64.45	28.0	1.5
192.5	631.4	18.090	64.56	24.0	1.3
195.0	639.6	18.150	64.67	24.0	1.3
197.5	647.8	18.200	64.76	28.0	1.5
200.0	656.0	18.250	64.85	28.0	1.5
202.5	664.2	18.300	64.94	28.0	1.5
205.0	672.4	18.360	65.05	24.0	1.3
207.5	680.6	18.400	65.12	16.0	0.9
210.0	688.8	18.460	65.23	24.0	1.3
212.5	697.0	18.520	65.34	24.0	1.3

367

TEMPERATURE, DEG C



MARTINSN
x 34S/ 1W- 40DC
7/31/81

LOCATION: MEDFORD AMS, OREGON

34S/ 1E-34AD

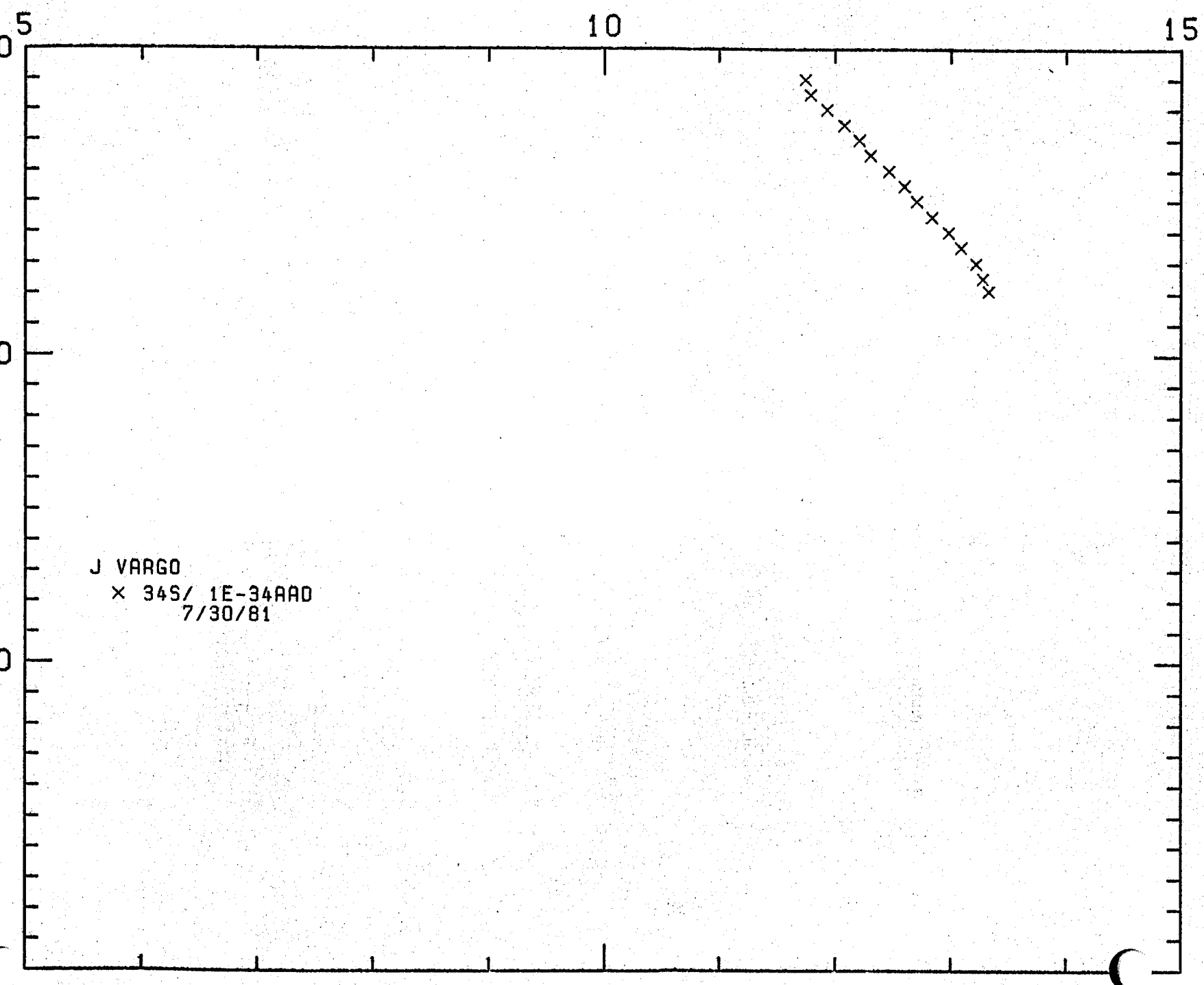
HOLE NAME: J VARGO

DATE MEASURED: 7/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	11.740	53.13	0.0	0.0
7.0	24.6	11.790	53.22	0.0	1.1
10.0	32.8	11.930	53.47	0.0	1.1
12.0	41.0	12.080	53.74	0.0	1.1
15.0	49.2	12.210	53.98	0.0	1.1
17.0	57.4	12.310	54.16	0.0	1.1
20.0	65.6	12.470	54.45	0.0	1.1
22.0	73.8	12.600	54.68	0.0	1.1
25.0	82.0	12.710	54.88	0.0	1.1
27.0	90.2	12.840	55.11	0.0	1.1
30.0	98.4	12.990	55.36	0.0	1.1
33.0	106.6	13.090	55.56	0.0	1.4
35.0	114.8	13.220	55.80	0.0	1.4
37.0	123.0	13.290	55.90	0.0	1.3
39.0	129.6	13.330	55.99	0.0	1.4

34

TEMPERATURE, DEG C



DEPTH, METERS

37°

J VARGO
X 345/ 1E-34AAD
7/30/81

LOCATION: MEDFORD AMS, OREGON

34S/ 1E-3488A

HOLE NAME: R MATHER

DATE MEASURED: 7/30/81

DEPTH
METERS

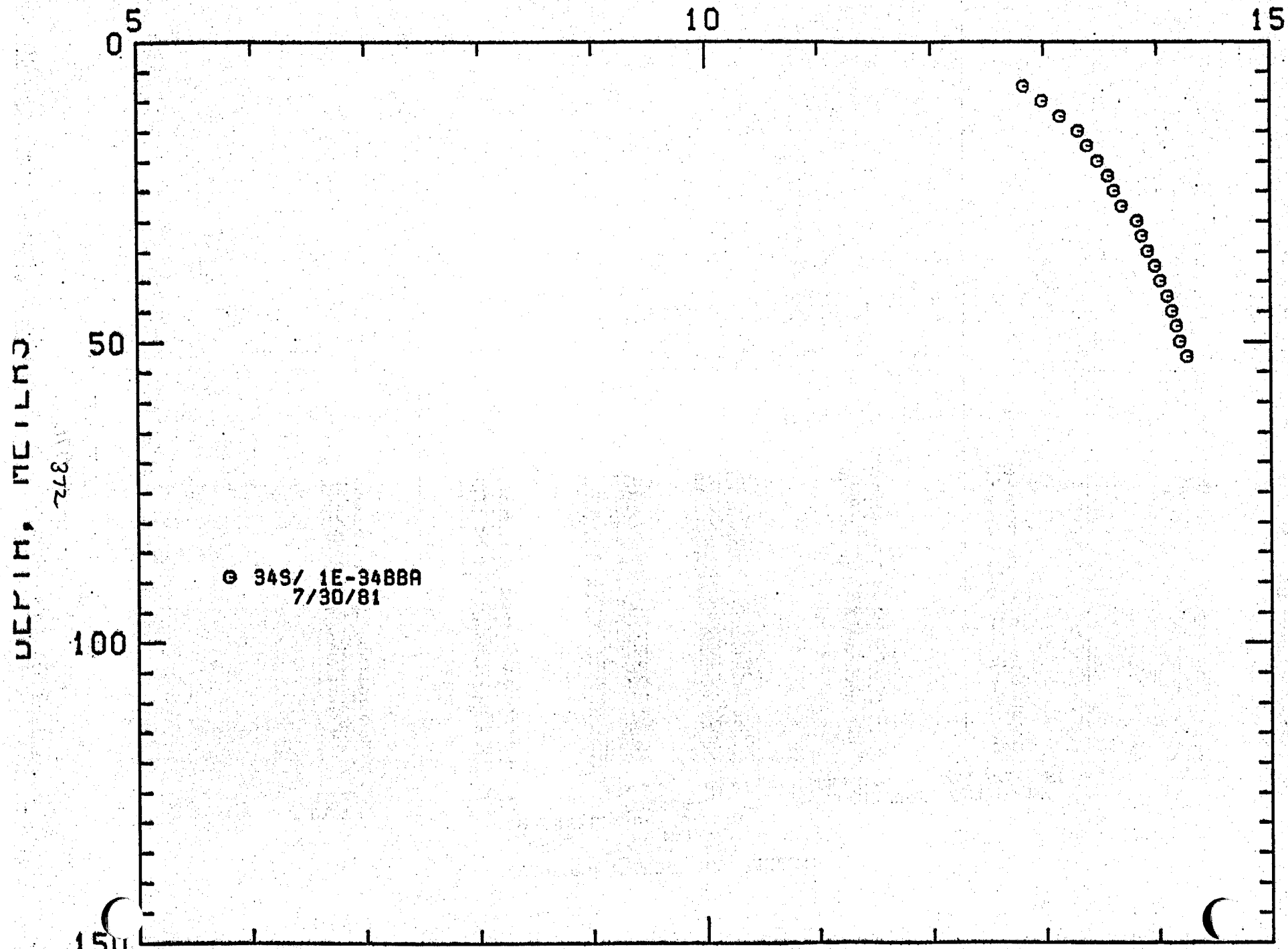
DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

7.5	24.6	12.820	55.08	0.0	0.0
10.0	32.8	12.990	55.38	68.0	3.0
15.0	41.0	13.150	55.67	64.0	3.0
20.0	49.2	13.310	55.96	64.0	3.0
25.0	57.4	13.390	56.10	62.0	3.0
30.0	65.6	13.480	56.26	62.0	3.0
35.0	73.8	13.570	56.43	60.0	3.0
40.0	82.0	13.620	56.52	60.0	3.0
45.0	90.2	13.690	56.64	60.0	3.0
50.0	98.4	13.830	56.89	60.0	3.0
55.0	106.6	13.870	56.97	60.0	3.0
60.0	114.8	13.920	57.06	60.0	3.0
65.0	123.0	13.980	57.16	60.0	3.0
70.0	131.2	14.030	57.25	60.0	3.0
75.0	139.4	14.090	57.36	60.0	3.0
80.0	147.6	14.130	57.43	60.0	3.0
85.0	155.8	14.170	57.51	60.0	3.0
90.0	164.0	14.200	57.55	60.0	3.0
95.0	172.2	14.260	57.67	60.0	3.0

TEMPERATURE, DEG C



34S/ 1E-34BBA
7/30/81

DEPTH, METERS

372

LOCATION: MEDFORD AMS, OREGON

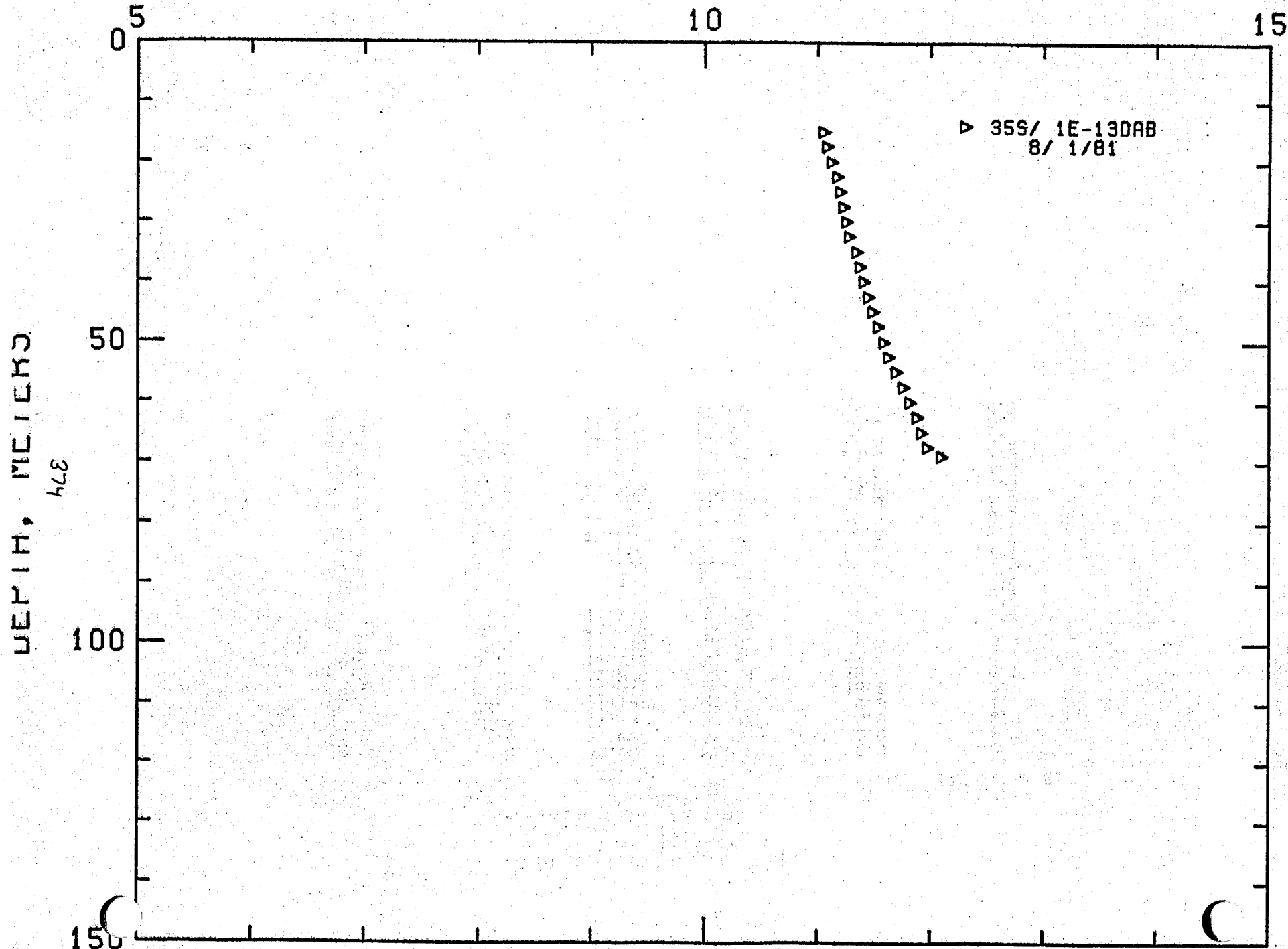
355/ 1E-13DAB

HOLE NAME: C RAMBO

DATE MEASURED: 8/ 1/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	11.060	51.91	0.0	0.0
17.0	57.4	11.090	51.96	12.0	0.7
20.0	65.6	11.130	52.03	15.0	0.9
22.0	73.8	11.160	52.12	20.0	1.1
24.0	82.0	11.210	52.18	12.0	0.7
26.0	90.2	11.240	52.23	12.0	0.7
28.0	98.4	11.270	52.29	12.0	0.7
30.0	106.6	11.290	52.32	8.0	0.4
32.0	114.8	11.360	52.45	28.0	1.5
34.0	123.0	11.390	52.50	12.0	0.7
36.0	131.2	11.420	52.56	12.0	0.7
38.0	139.4	11.460	52.63	15.0	0.9
40.0	147.6	11.500	52.72	15.0	0.9
42.0	155.8	11.550	52.79	20.0	1.1
44.0	164.0	11.600	52.88	20.0	1.1
46.0	172.2	11.640	52.95	16.0	0.9
48.0	180.4	11.710	53.08	28.0	1.5
50.0	188.6	11.770	53.19	24.0	1.3
52.0	196.8	11.830	53.29	24.0	1.3
54.0	205.0	11.890	53.40	24.0	1.3
56.0	213.2	11.930	53.47	16.0	0.9
58.0	221.4	11.980	53.56	20.0	1.1
60.0	229.6	12.110	53.80	86.7	4.8

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, ORE

37S/ 2E- 4ADD

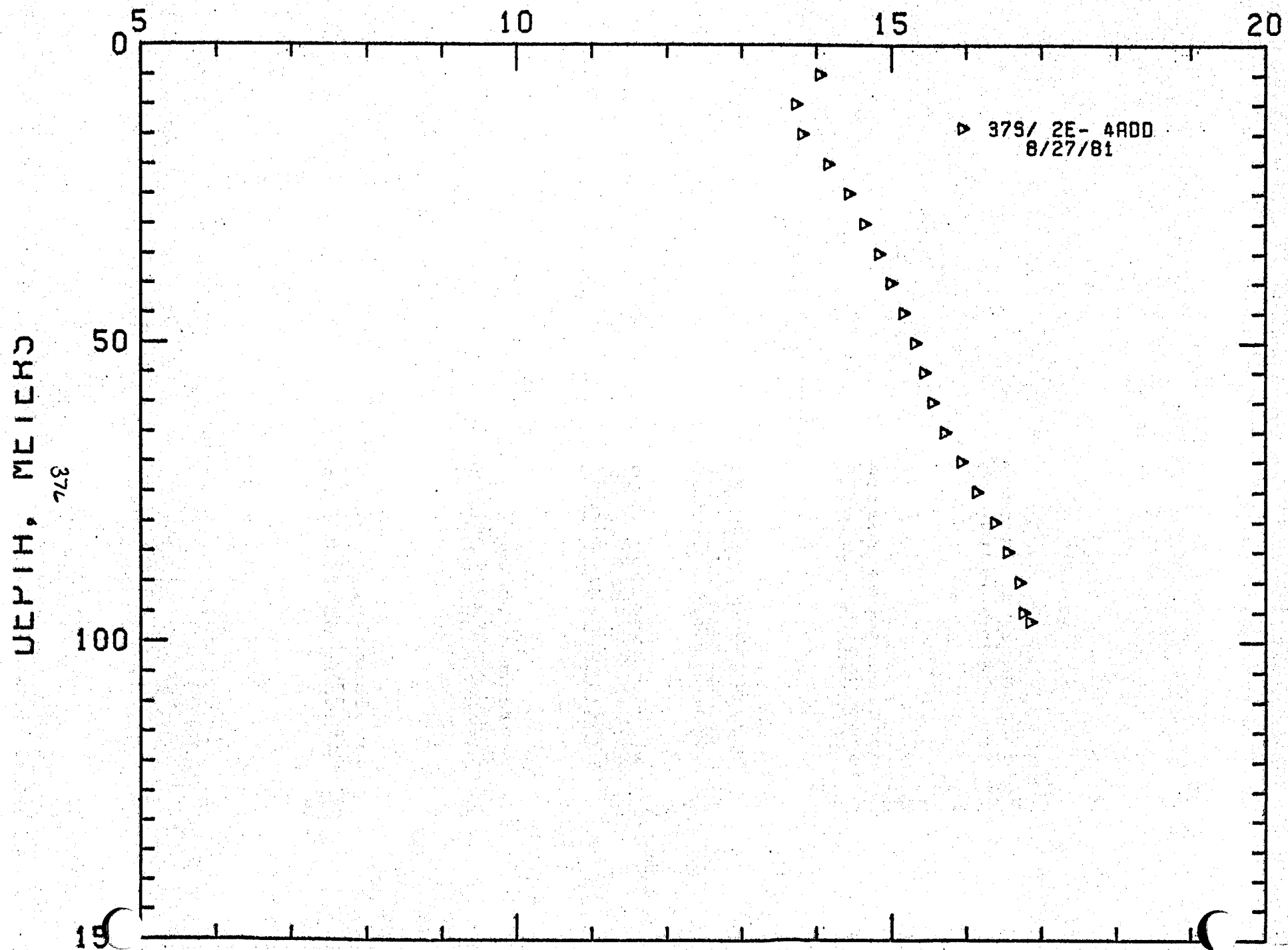
HOLE NAME: MORTEN

DATE MEASURED: 8/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	14.070	57.33	0.0	0.0
10.0	32.8	13.750	56.75	-64.0	1.050
15.0	49.2	13.840	56.91	18.0	1.050
20.0	65.6	14.180	57.52	68.0	1.050
25.0	82.0	14.450	58.01	54.0	1.050
30.0	98.4	14.660	58.39	42.0	1.050
35.0	114.8	14.860	58.75	40.0	1.050
40.0	131.2	15.010	59.02	30.0	1.050
45.0	147.6	15.180	59.32	34.0	1.050
50.0	164.0	15.340	59.61	32.0	1.050
55.0	180.4	15.460	59.83	24.0	1.050
60.0	196.8	15.570	60.03	22.0	1.050
65.0	213.2	15.730	60.31	32.0	1.050
70.0	229.6	15.950	60.71	44.0	1.050
75.0	246.0	16.160	61.09	42.0	1.050
80.0	262.4	16.400	61.52	48.0	1.050
85.0	278.8	16.570	61.83	34.0	1.050
90.0	295.2	16.730	62.11	32.0	1.050
95.0	311.6	16.780	62.28	10.0	1.050
98.5	316.5	16.870	62.37	60.0	1.050

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TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, ORE.

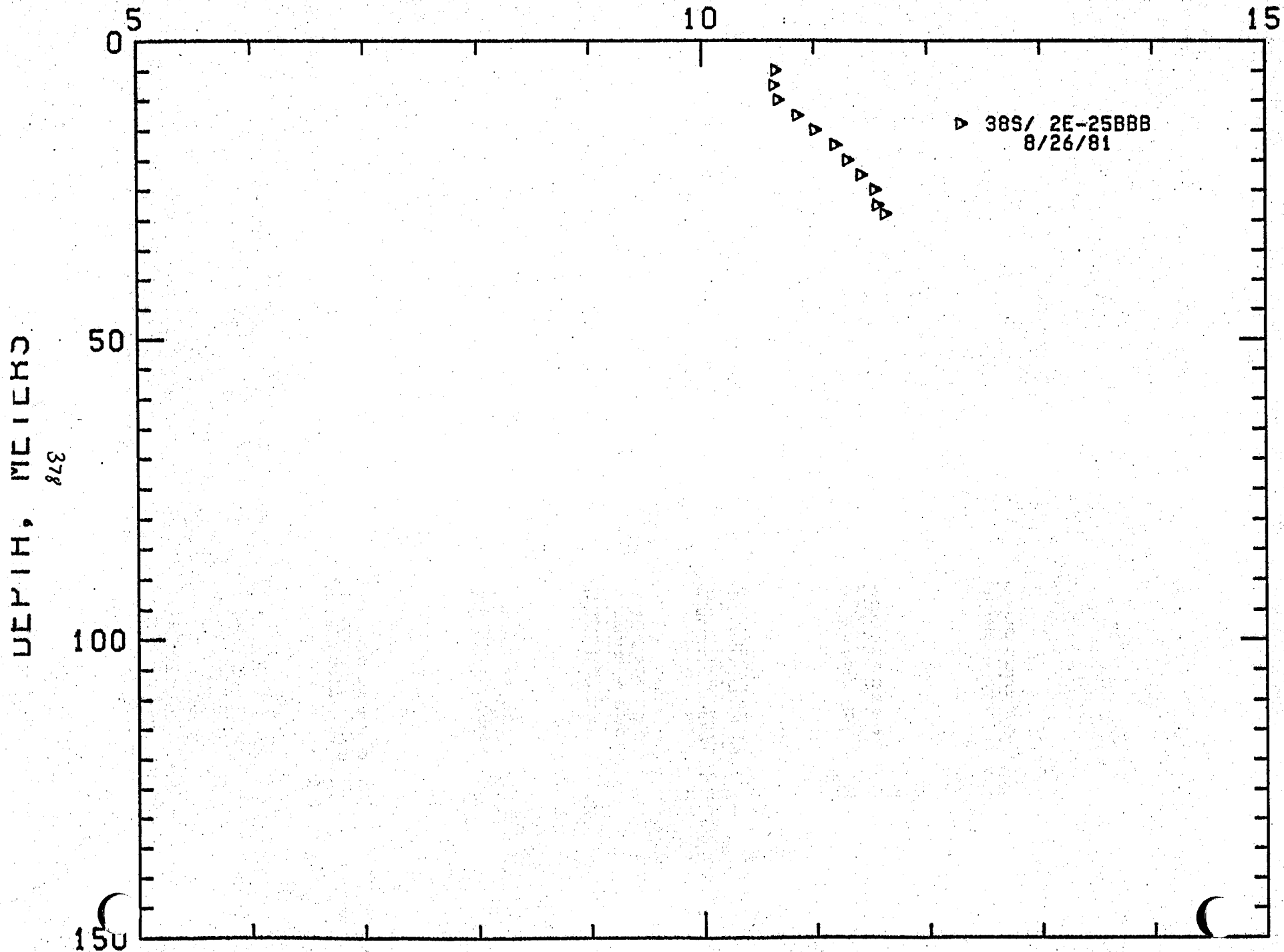
385/ 2E-25888

HOLE NAME: J MILLER

DATE MEASURED: 8/26/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5	16.4	10.670	51.21	0.0	0.0
7.5	24.6	10.650	51.17	-0.0	-0.4
10	32.8	10.690	51.24	16.0	0.0
12.5	41.0	10.870	51.57	72.0	0.0
15	49.2	11.020	51.84	60.0	0.0
17.5	57.4	11.200	52.16	72.0	0.0
20	65.6	11.310	52.36	44.0	0.0
22.5	73.8	11.430	52.57	40.0	0.0
25	82.0	11.550	52.79	40.0	0.0
27.5	90.2	11.570	52.83	0.0	0.0
30	98.4	11.640	52.95	46.7	0.0

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

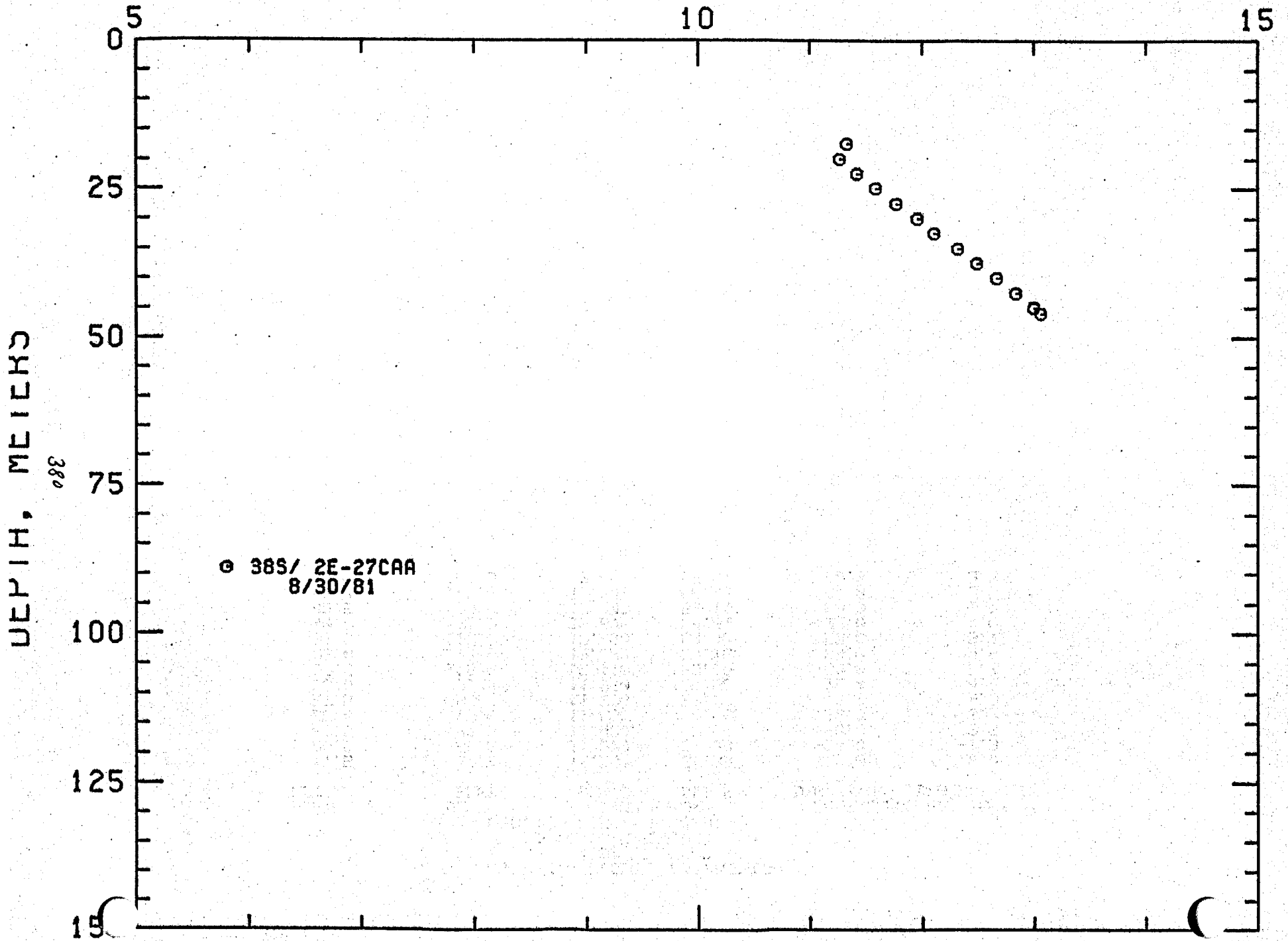
38S/ 2E-27CAA

HOLE NAME: HARRIGTON

DATE MEASURED: 8/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
17.5	57.4	11.330	52.39	0.0	0.0
20.0	65.6	11.270	52.29	-24.0	-1.3
22.5	73.8	11.420	52.56	60.0	3.3
25.0	82.0	11.590	52.86	68.0	3.7
27.5	90.2	11.770	53.19	72.0	4.0
30.0	98.4	11.960	53.53	76.0	4.2
32.5	106.6	12.110	53.80	60.0	3.3
35.0	114.8	12.320	54.18	84.0	4.6
37.5	123.0	12.490	54.48	68.0	3.7
40.0	131.2	12.670	54.81	72.0	4.0
42.5	139.4	12.840	55.11	68.0	3.7
45.0	147.6	13.000	55.40	64.0	3.5
46.0	150.9	13.060	55.51	60.0	3.3

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

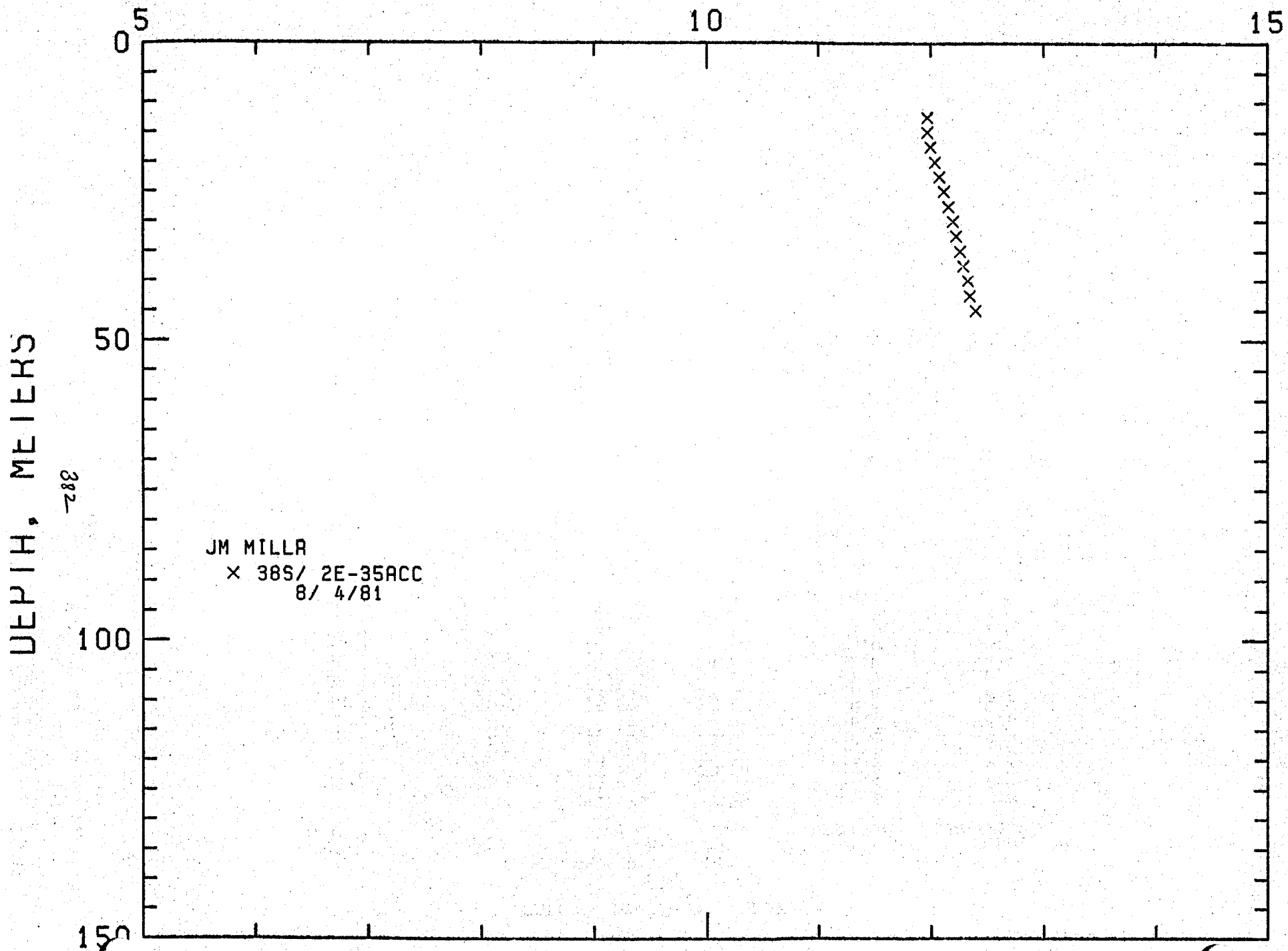
38S/ 2E-35ACC

HOLE NAME: JM MILLR

DATE MEASURED: 8/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
12.5	41.0	11.970	53.55	0.0	0.0
15.0	49.2	11.970	53.55	0.0	0.0
17.5	57.4	12.000	53.60	12.0	0.7
20.0	65.6	12.040	53.67	16.0	0.9
22.5	73.8	12.080	53.74	16.0	0.9
25.0	82.0	12.120	53.82	16.0	0.9
27.5	90.2	12.160	53.89	16.0	0.9
30.0	98.4	12.200	53.96	16.0	0.9
32.5	106.6	12.230	54.01	12.0	0.7
35.0	114.8	12.260	54.07	12.0	0.7
37.5	123.0	12.290	54.12	12.0	0.7
40.0	131.2	12.330	54.19	16.0	0.9
42.5	139.4	12.350	54.23	8.0	0.4
45.0	147.6	12.400	54.32	20.0	1.1

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

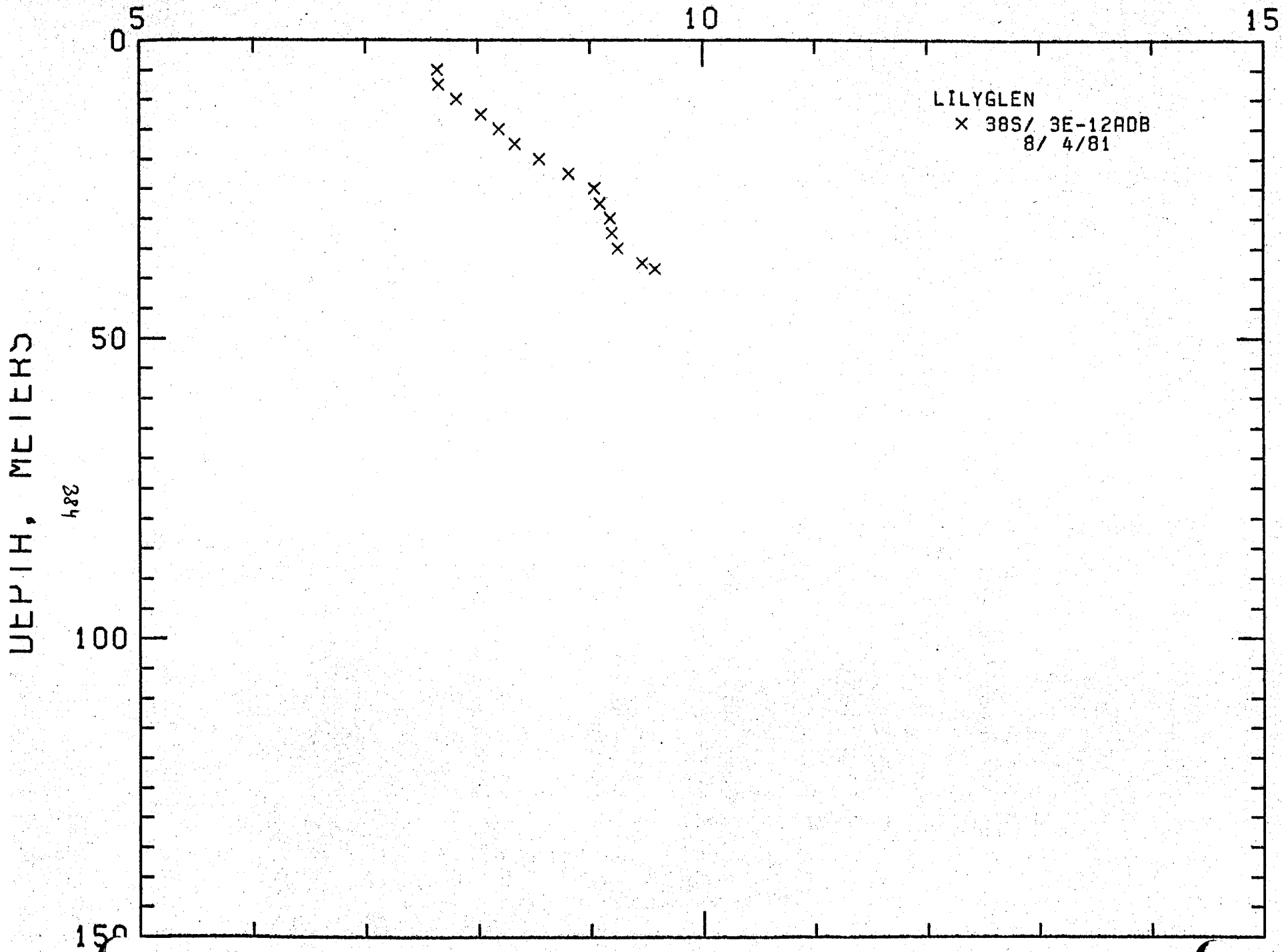
385/ 3E-12ADB

HOLE NAME: LILYGLEN

DATE MEASURED: 8/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	7.640	45.75	0.0	0.0
7.5	24.6	7.650	45.77	4.0	0.0
10.0	32.8	7.810	46.06	64.0	0.0
12.5	41.0	8.030	46.45	68.0	0.0
15.0	49.2	8.190	46.74	64.0	0.0
17.5	57.4	8.330	46.99	56.0	0.0
20.0	65.6	8.550	47.39	88.0	0.0
22.5	73.8	8.810	47.86	104.0	0.0
25.0	82.0	9.040	48.27	92.0	0.0
27.5	90.2	9.090	48.36	20.0	0.0
30.0	98.4	9.180	48.52	36.0	0.0
32.5	106.6	9.200	48.56	8.0	0.0
35.0	114.8	9.250	48.65	20.0	0.0
37.5	123.0	9.470	49.05	88.0	0.0
40.0	126.3	9.580	49.24	110.0	0.0

TEMPERATURE, DEG C



LOCATION: KLAMATH FALLS AMS, ORE.

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385/ 9E-32DAA

HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	77.076	77.14	-15.0	-1.0
44.0	144.0	77.052	77.09	-24.0	-1.0
45.0	147.0	77.094	77.17	42.0	1.1
46.0	150.0	77.087	77.16	7.0	0.1
47.0	154.0	77.096	77.17	19.0	0.2
48.0	157.4	77.112	77.20	16.0	0.2
49.0	160.7	77.107	77.19	16.0	0.2
50.0	164.0	77.087	77.16	16.0	0.2
51.0	167.3	77.116	77.21	16.0	0.2
52.0	170.6	77.087	77.16	16.0	0.2
53.0	173.9	77.114	77.21	16.0	0.2
54.0	177.1	77.108	77.19	16.0	0.2
55.0	180.4	77.114	77.21	16.0	0.2
56.0	183.7	77.135	77.24	21.0	0.3
57.0	187.0	77.137	77.25	21.0	0.3
58.0	190.3	77.151	77.27	14.0	0.2
59.0	193.6	77.151	77.27	14.0	0.2
60.0	196.9	77.163	77.29	14.0	0.2
61.0	200.2	77.166	77.30	14.0	0.2
62.0	203.5	77.171	77.31	14.0	0.2
63.0	206.8	77.185	77.33	14.0	0.2
64.0	210.1	77.155	77.28	14.0	0.2
65.0	213.4	77.177	77.32	14.0	0.2
66.0	216.7	77.201	77.38	14.0	0.2
67.0	220.0	77.207	77.39	14.0	0.2
68.0	223.3	77.203	77.37	14.0	0.2
69.0	226.6	77.211	77.39	14.0	0.2
70.0	229.9	77.208	77.39	14.0	0.2
71.0	233.2	77.214	77.39	14.0	0.2
72.0	236.5	77.225	77.41	11.0	0.2
73.0	239.8	77.234	77.43	11.0	0.2
74.0	243.1	77.237	77.43	11.0	0.2
75.0	246.4	77.243	77.45	11.0	0.2
76.0	249.7	77.236	77.43	11.0	0.2
77.0	253.0	77.239	77.43	11.0	0.2
78.0	256.3	77.246	77.45	11.0	0.2
79.0	259.6	77.250	77.46	11.0	0.2
80.0	262.9	77.241	77.43	11.0	0.2
81.0	266.2	77.253	77.46	11.0	0.2

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383/ 9R-32DAA

HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
84.0	275.5	78.246	77.44	-7.0	-0.4
85.0	278.8	78.249	77.45	2.0	0.1
86.0	282.1	78.253	77.45	2.0	0.1
87.0	285.4	78.257	77.46	2.0	0.1
88.0	288.6	78.261	77.46	2.0	0.1
89.0	291.9	78.265	77.46	2.0	0.1
90.0	295.2	78.269	77.46	1.5	0.0
91.0	298.5	78.273	77.47	1.1	0.0
92.0	301.8	78.277	77.47	1.7	0.0
93.0	305.1	78.281	77.47	1.0	0.0
94.0	308.4	78.285	77.49	1.2	0.0
95.0	311.7	78.289	77.49	1.2	0.0
96.0	315.0	78.293	77.48	-1.0	0.0
97.0	318.3	78.297	77.41	1.0	0.0
98.0	321.6	78.301	77.34	1.4	0.0
99.0	324.9	78.305	77.81	4.0	0.0
100.0	328.2	78.309	78.55	4.0	0.0
101.0	331.5	78.313	78.57	1.2	0.0
102.0	334.8	78.317	78.57	1.1	0.0
103.0	338.1	78.321	78.56	1.0	0.0
104.0	341.4	78.325	78.56	1.0	0.0
105.0	344.7	78.329	78.57	-1.0	0.0
106.0	348.0	78.333	78.49	1.4	0.0
107.0	351.3	78.337	78.61	1.6	0.0
108.0	354.6	78.341	78.67	1.6	0.0
109.0	357.9	78.345	78.67	1.6	0.0
110.0	361.2	78.349	78.83	1.6	0.0
111.0	364.5	78.353	78.88	1.6	0.0
112.0	367.8	78.357	78.79	-1.1	0.0
113.0	371.1	78.361	78.11	1.7	0.0
114.0	374.4	78.365	78.10	1.7	0.0
115.0	377.7	78.369	78.96	1.7	0.0
116.0	381.0	78.373	79.53	1.7	0.0
117.0	384.3	78.377	79.64	1.7	0.0
118.0	387.6	78.381	79.63	1.7	0.0
119.0	390.9	78.385	79.66	1.7	0.0
120.0	394.2	78.389	79.67	1.7	0.0
121.0	397.5	78.393	79.69	1.7	0.0
122.0	400.8	78.397	79.54	-1.7	0.0
123.0	404.1	78.401	79.82	1.5	0.0
124.0	407.4	78.405	79.81	1.5	0.0

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LOCATION: KLAMATH FALLS AMS, ORE.

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383/ 9E-32DAA

HOLE NAME: BIALUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	26.628	79.93	80.0	4.4
126.0	413.3	26.681	80.03	53.0	0.2
127.0	416.6	26.688	80.04	7.0	0.4
128.0	419.8	26.716	80.09	28.0	1.1
129.0	423.1	26.681	80.03	-35.0	-1.1
130.0	426.4	26.882	80.24	121.0	6.7
131.0	429.7	26.814	80.27	12.0	0.7
132.0	433.0	26.833	80.31	25.0	1.4
133.0	436.2	26.806	80.26	-33.0	-1.1
134.0	439.5	26.853	80.34	47.0	2.6
135.0	442.8	26.868	80.36	15.0	0.8
136.0	446.1	26.868	80.36	0.0	0.0
137.0	449.4	26.848	80.33	-28.0	-1.1
138.0	452.6	26.880	80.39	2.0	0.1
139.0	455.9	26.829	80.30	-21.0	-1.0
140.0	459.2	26.957	80.51	123.0	7.0
141.0	462.5	27.037	79.98	-315.0	-17.0
142.0	465.8	27.384	81.15	667.0	36.0
143.0	469.0	27.581	81.56	197.0	10.0
144.0	472.3	27.566	81.62	65.0	3.6
145.0	475.6	27.566	81.62	0.0	0.0
146.0	478.9	27.578	81.64	12.0	0.7
147.0	482.2	27.583	81.66	12.0	0.7
148.0	485.4	27.583	81.66	-4.0	-0.2
149.0	488.7	27.623	81.72	88.0	4.9
150.0	492.0	27.623	81.72	0.0	0.0
151.0	495.3	27.626	81.73	0.0	0.0
152.0	498.6	27.626	81.73	0.0	0.0
153.0	501.9	27.626	81.73	0.0	0.0
154.0	505.1	27.633	81.74	0.0	0.0
155.0	508.4	27.636	81.74	0.0	0.0
156.0	511.7	27.637	81.75	0.0	0.0
157.0	515.0	27.641	81.76	14.0	0.8
158.0	518.2	27.664	81.80	23.0	1.3
159.0	521.5	27.683	81.83	19.0	1.1
160.0	524.8	27.683	81.83	0.0	0.0
161.0	528.1	27.685	81.83	0.0	0.0
162.0	531.4	27.685	81.83	0.0	0.0
163.0	534.6	27.685	81.83	0.0	0.0
164.0	537.9	27.683	81.83	0.0	0.0
165.0	541.2	27.691	81.84	0.0	0.0

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
207.0	679.0	31.276	88.30	29.0	1.0
208.0	682.2	31.291	88.32	15.0	0.0
209.0	685.5	31.313	88.36	22.0	1.0
210.0	688.8	31.322	88.38	9.0	0.0
211.0	692.1	31.333	88.40	11.0	0.0
212.0	695.4	31.362	88.45	29.0	1.0
213.0	698.6	31.372	88.47	10.0	0.0
214.0	701.9	31.376	88.48	4.0	0.0
215.0	705.2	31.396	88.51	28.0	1.0
216.0	708.5	31.408	88.53	12.0	0.0
217.0	711.8	31.414	88.53	6.0	0.0
218.0	715.0	31.421	88.56	7.0	0.0
219.0	718.3	31.452	88.61	31.0	1.0
220.0	721.6	31.515	88.73	63.0	1.0
221.0	724.9	31.833	89.30	318.0	1.0
222.0	728.2	32.714	90.89	881.0	1.0
223.0	731.4	33.071	91.53	357.0	1.0
224.0	734.7	33.183	91.73	112.0	1.0
225.0	738.0	33.218	91.79	35.0	1.0
226.0	741.3	33.248	91.85	38.0	1.0
227.0	744.6	33.274	91.89	26.0	1.0
228.0	747.9	33.306	91.95	33.0	1.0
229.0	751.1	33.353	92.04	47.0	1.0
230.0	754.4	33.391	92.09	28.0	1.0
231.0	757.7	33.403	92.13	22.0	1.0
232.0	761.0	33.422	92.16	19.0	1.0
233.0	764.3	33.468	92.24	4.6	1.0
234.0	767.6	33.491	92.28	23.0	1.0
235.0	770.9	33.520	92.34	22.0	1.0
236.0	774.1	33.548	92.39	22.0	1.0
237.0	777.4	33.581	92.45	23.0	1.0
238.0	780.6	33.603	92.49	27.0	1.0
239.0	783.9	33.631	92.54	22.0	1.0
240.0	787.2	33.659	92.58	22.0	1.0
241.0	790.5	33.681	92.63	22.0	1.0
242.0	793.8	33.710	92.68	22.0	1.0
243.0	797.1	33.736	92.72	22.0	1.0
244.0	800.4	33.763	92.77	22.0	1.0
245.0	803.7	33.786	92.83	23.0	1.0
246.0	806.9	33.831	92.90	23.0	1.0
247.0	810.2	33.858	92.94	27.0	1.0

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
248.0	813.4	33.872	92.97	14.0	0.0
249.0	816.7	33.891	93.00	19.0	1.0
250.0	820.0	33.909	93.04	18.0	1.0
251.0	823.3	33.951	93.11	18.0	1.0
252.0	826.6	33.974	93.15	18.0	1.0
253.0	829.9	33.996	93.19	18.0	1.0
254.0	833.1	34.024	93.24	18.0	1.0
255.0	836.4	34.045	93.28	18.0	1.0
256.0	839.7	34.070	93.33	18.0	1.0
257.0	843.0	34.091	93.36	18.0	1.0
258.0	846.2	34.114	93.41	18.0	1.0
259.0	849.5	34.145	93.46	18.0	1.0
260.0	852.8	34.156	93.48	18.0	1.0
261.0	856.1	34.195	93.55	18.0	1.0
262.0	859.4	34.210	93.58	18.0	1.0
263.0	862.6	34.231	93.62	18.0	1.0
264.0	865.9	34.254	93.66	18.0	1.0
265.0	869.2	34.281	93.71	18.0	1.0
266.0	872.5	34.300	93.74	18.0	1.0
267.0	875.8	34.324	93.78	18.0	1.0
268.0	879.0	34.351	93.83	18.0	1.0
269.0	882.3	34.366	93.86	18.0	1.0
270.0	885.6	34.390	93.90	18.0	1.0
271.0	888.9	34.435	93.98	18.0	1.0
272.0	892.2	34.453	94.02	18.0	1.0
273.0	895.4	34.486	94.07	18.0	1.0
274.0	898.7	34.521	94.14	18.0	1.0
275.0	902.0	34.549	94.19	18.0	1.0
276.0	905.2	34.571	94.23	18.0	1.0
277.0	908.6	34.613	94.30	18.0	1.0
278.0	911.8	34.631	94.34	18.0	1.0
279.0	915.1	34.668	94.40	18.0	1.0
280.0	918.4	34.695	94.45	18.0	1.0
281.0	921.7	34.716	94.49	18.0	1.0
282.0	925.0	34.739	94.53	18.0	1.0
283.0	928.2	34.762	94.57	18.0	1.0
284.0	931.5	34.778	94.60	18.0	1.0
285.0	934.8	34.803	94.65	18.0	1.0
286.0	938.1	34.833	94.70	18.0	1.0
287.0	941.4	34.859	94.75	18.0	1.0
288.0	944.6	34.877	94.78	18.0	1.0

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: ELWALNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
289.0	947.9	34.902	94.822	25.0	1.4
290.0	951.2	34.920	94.856	18.0	1.0
291.0	954.5	34.949	94.91	20.0	1.6
292.0	957.8	34.979	94.96	30.0	1.6
293.0	961.0	34.997	94.99	18.0	1.0
294.0	964.3	35.020	95.04	23.0	1.3
295.0	967.6	35.052	95.09	32.0	1.8
296.0	970.9	35.081	95.15	20.0	1.1
297.0	974.2	35.097	95.17	16.0	0.9
298.0	977.4	35.127	95.23	30.0	1.6
299.0	980.7	35.143	95.26	16.0	0.9
300.0	984.0	35.182	95.33	30.0	1.6
301.0	987.3	35.211	95.39	20.0	1.1
302.0	990.6	35.218	95.39	7.0	0.4
303.0	993.8	35.254	95.46	30.0	1.6
304.0	997.1	35.287	95.52	33.0	1.8
305.0	1000.4	35.306	95.55	19.0	1.1
306.0	1003.7	35.327	95.59	21.0	1.2
307.0	1007.0	35.346	95.62	19.0	1.1
308.0	1010.3	35.383	95.69	37.0	2.0
309.0	1013.6	35.425	95.77	42.0	2.3
310.0	1016.9	35.438	95.79	13.0	0.7
311.0	1020.1	35.451	95.81	13.0	0.7
312.0	1023.4	35.486	95.87	35.0	1.9
313.0	1026.6	35.506	95.91	20.0	1.1
314.0	1029.9	35.515	95.93	9.0	0.5
315.0	1033.2	35.533	95.96	18.0	1.0
316.0	1036.5	35.563	96.01	30.0	1.6
317.0	1039.8	35.587	96.06	24.0	1.3
318.0	1043.1	35.604	96.09	17.0	0.9
319.0	1046.4	35.627	96.13	23.0	1.3
320.0	1049.7	35.638	96.15	11.0	0.6
321.0	1053.0	35.663	96.19	25.0	1.4
322.0	1056.3	35.686	96.23	23.0	1.3
323.0	1059.6	35.699	96.26	13.0	0.7
324.0	1062.9	35.722	96.30	23.0	1.3
325.0	1066.2	35.741	96.33	19.0	1.0
326.0	1069.5	35.760	96.37	19.0	1.0
327.0	1072.8	35.791	96.42	31.0	1.7
328.0	1076.1	35.810	96.46	19.0	1.0
329.0	1079.4	35.831	96.50	21.0	1.2

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
1082.4	35.854	96.54	23.0		
1085.7	96.872	96.57	18.0		1.1
1089.0	96.886	96.59	14.0		0.0
1092.2	96.908	96.63	22.0		1.1
1095.5	96.920	96.66	12.0		0.0
1098.8	96.109	97.00	199.0		10.4
1102.1	96.152	97.07	43.0		2.4
1105.4	96.182	97.13	38.0		1.1
1108.6	96.210	97.18	29.0		0.0
1111.9	96.226	97.21	16.0		0.0
1115.2	96.243	97.24	17.0		0.0
1118.5	96.261	97.27	18.0		0.0
1121.8	96.295	97.33	24.0		1.1
1125.1	96.308	97.35	13.0		0.0
1128.3	96.363	97.45	53.0		1.1
1131.6	96.412	97.54	49.0		0.0
1134.9	96.511	97.72	99.0		0.0
1138.2	96.856	98.34	20.0		0.0
1141.4	97.058	98.70	20.0		0.0
1144.7	97.151	98.87	23.0		0.0
1148.0	97.193	98.95	42.0		0.0
1151.3	97.223	98.98	38.0		0.0
1154.6	97.250	99.05	27.0		0.0
1157.8	97.278	99.10	28.0		0.0
1161.1	97.296	99.13	18.0		0.0
1164.4	97.314	99.17	18.0		0.0
1167.7	97.329	99.19	15.0		0.0
1171.0	97.341	99.21	13.0		0.0
1174.2	97.354	99.22	13.0		0.0
1177.5	97.362	99.23	11.0		0.0
1180.8	97.368	99.23	11.0		0.0
1184.1	97.376	99.23	11.0		0.0
1187.4	97.381	99.23	11.0		0.0
1190.6	97.383	99.23	11.0		0.0
1193.9	97.383	99.23	11.0		0.0
1197.2	97.386	99.23	11.0		0.0
1200.5	97.389	99.23	11.0		0.0
1203.8	97.383	99.23	11.0		0.0
1207.1	97.383	99.23	11.0		0.0
1210.4	97.383	99.23	11.0		0.0
1213.6	97.383	99.23	11.0		0.0

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
371.0	1216.9	38.114	100.61	192.0	10.5
372.0	1220.2	38.225	100.81	111.0	6.1
373.0	1223.4	38.387	101.10	162.0	8.9
374.0	1226.7	38.541	101.37	154.0	8.5
375.0	1230.0	38.695	101.65	154.0	8.5
376.0	1233.3	38.820	101.88	125.0	6.8
377.0	1236.6	38.988	102.18	168.0	9.4
378.0	1239.9	39.179	102.52	191.0	10.7
379.0	1243.1	39.314	102.77	135.0	7.4
380.0	1246.4	39.413	102.94	99.0	5.4
381.0	1249.7	39.548	103.19	135.0	7.4
382.0	1253.0	39.697	103.45	149.0	8.2
383.0	1256.3	39.840	103.71	143.0	7.9
384.0	1259.6	40.041	104.07	201.0	11.1
385.0	1262.9	40.191	104.34	150.0	8.3
386.0	1266.1	40.299	104.54	108.0	6.0
387.0	1269.4	40.425	104.77	126.0	6.9
388.0	1272.7	40.650	105.17	225.0	12.7
389.0	1275.9	40.776	105.40	126.0	6.9
390.0	1279.2	40.945	105.70	169.0	9.3
391.0	1282.5	41.099	105.98	154.0	8.5
392.0	1285.8	41.295	106.33	196.0	10.9
393.0	1289.0	41.464	106.64	169.0	9.3
394.0	1292.3	41.602	106.88	138.0	7.6
395.0	1295.6	41.662	106.99	60.0	3.3
396.0	1298.9	41.817	107.27	155.0	8.6
397.0	1302.2	41.957	107.52	140.0	7.7
398.0	1305.4	42.160	107.89	203.0	11.1
399.0	1308.7	42.318	108.17	158.0	8.7
400.0	1312.0	42.530	108.55	212.0	11.6
401.0	1315.3	42.585	108.65	55.0	3.0
402.0	1318.6	42.787	109.02	202.0	11.1
403.0	1321.8	42.969	109.34	182.0	10.1
404.0	1325.1	43.142	109.66	173.0	9.5
405.0	1328.4	43.289	109.92	147.0	8.1
406.0	1331.7	43.472	110.25	183.0	10.3
407.0	1335.0	43.617	110.51	145.0	8.0
408.0	1338.2	43.767	110.78	150.0	8.3
409.0	1341.5	44.020	111.24	253.0	13.5
410.0	1344.8	44.090	111.36	70.0	3.9
411.0	1348.1	44.299	111.72	199.0	10.9

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
412.0	1351.4	44.421	111.96	132.0	7.2
413.0	1354.6	44.582	112.25	161.0	8.8
414.0	1357.9	44.761	112.57	179.0	9.8
415.0	1361.2	44.943	112.90	182.0	10.0
416.0	1364.5	45.097	113.17	154.0	8.5
417.0	1367.8	45.250	113.45	153.0	8.4
418.0	1371.0	45.432	113.78	182.0	10.0
419.0	1374.3	45.604	114.09	172.0	9.4
420.0	1377.6	45.792	114.43	188.0	10.3
421.0	1380.9	45.964	114.74	172.0	9.4
422.0	1384.2	46.118	115.01	154.0	8.5
423.0	1387.4	46.284	115.31	166.0	9.1
424.0	1390.7	46.442	115.60	158.0	8.7
425.0	1394.0	46.646	115.96	204.0	11.2
426.0	1397.3	46.829	116.29	183.0	10.0
427.0	1400.6	46.956	116.52	127.0	7.0
428.0	1403.8	47.102	116.78	146.0	8.0
429.0	1407.1	47.218	116.99	116.0	6.4
430.0	1410.4	47.358	117.24	140.0	7.7
431.0	1413.7	47.472	117.45	114.0	6.3
432.0	1417.0	47.587	117.66	115.0	6.3
433.0	1420.2	47.689	117.84	102.0	5.6
434.0	1423.5	47.817	118.07	128.0	7.0
435.0	1426.8	47.982	118.37	165.0	9.1
436.0	1430.1	48.181	118.73	199.0	10.9
437.0	1433.4	48.304	118.95	123.0	6.7
438.0	1436.6	48.511	119.32	207.0	11.4
439.0	1439.9	48.657	119.58	146.0	8.0
440.0	1443.2	48.771	119.79	114.0	6.3
441.0	1446.5	48.906	120.03	135.0	7.4
442.0	1449.8	49.188	120.54	282.0	15.5
443.0	1453.0	49.303	120.75	115.0	6.3
444.0	1456.3	49.577	121.24	274.0	15.0
445.0	1459.6	49.747	121.54	170.0	9.3
446.0	1462.9	49.951	121.91	204.0	11.2
447.0	1466.2	50.137	122.25	186.0	10.2
448.0	1469.4	50.278	122.50	141.0	7.7
449.0	1472.7	50.486	122.87	208.0	11.4
450.0	1476.0	50.687	123.24	201.0	11.0
451.0	1479.3	50.895	123.61	208.0	11.4
452.0	1482.6	51.090	123.96	195.0	10.7

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWALINA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
453.0	1485.8	51.353	124.44	263.0	14.4
454.0	1489.1	51.537	124.77	184.0	10.1
455.0	1492.4	51.717	125.09	180.0	9.9
456.0	1495.7	51.932	125.48	215.0	11.8
457.0	1499.0	52.142	125.86	210.0	11.5
458.0	1502.2	52.382	126.29	240.0	13.2
459.0	1505.5	52.598	126.68	216.0	11.9
460.0	1508.8	52.847	127.12	249.0	13.7
461.0	1512.1	53.058	127.50	211.0	11.6
462.0	1515.4	53.257	127.86	199.0	10.9
463.0	1518.6	53.446	128.20	189.0	10.4
464.0	1521.9	53.672	128.61	226.0	12.4
465.0	1525.2	53.898	129.02	226.0	12.4
466.0	1528.5	54.017	129.23	119.0	6.5
467.0	1531.8	54.200	129.56	183.0	10.0
468.0	1535.0	54.433	129.98	233.0	12.8
469.0	1538.3	54.520	130.14	87.0	4.8
470.0	1541.6	54.879	130.78	359.0	19.7
471.0	1544.9	55.000	131.00	121.0	6.6
472.0	1548.2	55.242	131.44	242.0	13.3
473.0	1551.4	55.442	131.80	200.0	11.0
474.0	1554.7	55.621	132.12	179.0	9.8
475.0	1558.0	55.828	132.49	207.0	11.4
476.0	1561.3	56.034	132.86	206.0	11.2
477.0	1564.6	56.232	133.22	198.0	10.9
478.0	1567.8	56.403	133.53	171.0	9.4
479.0	1571.1	56.609	133.90	206.0	11.3
480.0	1574.4	56.842	134.32	233.0	12.8
481.0	1577.7	57.028	134.65	186.0	10.2
482.0	1581.0	57.245	135.04	217.0	11.9
483.0	1584.2	57.430	135.37	185.0	10.2
484.0	1587.5	57.613	135.70	183.0	10.0
485.0	1590.8	57.805	136.05	192.0	10.5
486.0	1594.1	58.012	136.42	207.0	11.4
487.0	1597.4	58.183	136.73	171.0	9.4
488.0	1600.6	58.445	137.20	262.0	14.4
489.0	1603.9	58.642	137.56	197.0	10.8
490.0	1607.2	58.838	137.91	196.0	10.8
491.0	1610.5	59.074	138.33	236.0	13.0
492.0	1613.8	59.222	138.60	148.0	8.1
493.0	1617.0	59.469	139.04	247.0	13.6

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LOCATION: KLAMATH FALLS AMS; ORE.

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HOLE NAME: EIALUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
494.0	1620.3	59.678	139.42	209.0	11.5
495.0	1623.6	59.788	139.62	110.0	6.0
496.0	1626.9	60.041	140.07	253.0	13.5
497.0	1630.2	60.237	140.43	196.0	10.8
498.0	1633.4	60.383	140.69	146.0	8.1
499.0	1636.7	60.696	141.25	313.0	17.4
500.0	1640.0	60.798	141.44	102.0	5.6
501.0	1643.3	60.962	141.73	164.0	9.0
502.0	1646.6	61.237	142.23	275.0	15.1
503.0	1649.8	61.488	142.68	251.0	13.5
504.0	1653.1	61.642	142.96	154.0	8.4
505.0	1656.4	61.773	143.19	131.0	7.2
506.0	1659.7	61.984	143.57	211.0	11.6
507.0	1663.0	62.162	143.89	178.0	9.7
508.0	1666.2	62.405	144.33	243.0	13.5
509.0	1669.5	62.576	144.64	171.0	9.4
510.0	1672.8	62.803	145.05	227.0	12.5
511.0	1676.1	62.927	145.27	124.0	6.8
512.0	1679.4	63.145	145.66	218.0	12.0
513.0	1682.6	63.280	145.90	135.0	7.4
514.0	1685.9	63.491	146.28	211.0	11.6
515.0	1689.2	63.645	146.56	154.0	8.4
516.0	1692.5	63.816	146.87	171.0	9.4
517.0	1695.8	64.062	147.31	246.0	13.5
518.0	1699.0	64.263	147.67	201.0	11.0
519.0	1702.3	64.435	147.98	172.0	9.4
520.0	1705.6	64.576	148.24	141.0	7.7
521.0	1708.9	64.759	148.57	183.0	10.0
522.0	1712.2	64.913	148.84	154.0	8.4
523.0	1715.4	65.125	149.23	212.0	11.7
524.0	1718.7	65.311	149.56	186.0	10.3
525.0	1722.0	65.543	149.98	232.0	12.7
526.0	1725.3	65.732	150.35	209.0	11.5
527.0	1728.6	65.907	150.63	155.0	8.5
528.0	1731.8	66.088	150.96	181.0	10.0
529.0	1735.1	66.252	151.25	164.0	9.0
530.0	1738.4	66.421	151.56	169.0	9.3
531.0	1741.7	66.655	151.98	234.0	12.8
532.0	1745.0	66.875	152.38	220.0	12.1
533.0	1748.2	66.990	152.58	115.0	6.3
534.0	1751.5	67.189	152.94	199.0	10.9

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LOCATION: KLAMATH FALLS AMS, ORE.

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HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
535.0	1754.8	67.344	153.22	155.0	8.5
536.0	1758.1	67.592	153.67	248.0	13.5
537.0	1761.4	67.737	153.93	145.0	8.0
538.0	1764.6	67.954	154.32	217.0	11.9
539.0	1767.9	68.143	154.66	189.0	10.4
540.0	1771.2	68.296	154.93	153.0	8.4
541.0	1774.5	68.532	155.36	236.0	13.0
542.0	1777.8	68.737	155.73	205.0	11.2
543.0	1781.1	68.920	156.06	183.0	10.0
544.0	1784.4	69.155	156.48	235.0	12.9
545.0	1787.6	69.340	156.81	185.0	10.2
546.0	1790.9	69.499	157.10	159.0	8.7
547.0	1794.2	69.637	157.35	138.0	7.6
548.0	1797.4	69.852	157.73	215.0	11.0
549.0	1800.7	70.066	158.12	214.0	11.7
550.0	1804.0	70.259	158.47	193.0	10.6
551.0	1807.3	70.457	158.82	198.0	10.9
552.0	1810.6	70.638	159.15	181.0	9.9
553.0	1813.8	70.819	159.47	181.0	9.9
554.0	1817.1	71.018	159.83	199.0	10.9
555.0	1820.4	71.249	160.25	231.0	12.7
556.0	1823.7	71.398	160.52	149.0	8.2
557.0	1827.0	71.609	160.90	211.0	11.6
558.0	1830.3	71.762	161.17	153.0	8.4
559.0	1833.6	71.963	161.53	201.0	11.0
560.0	1836.8	72.312	162.16	349.0	19.2
561.0	1840.1	72.478	162.46	164.0	9.0
562.0	1843.4	72.678	162.82	202.0	11.1
563.0	1846.6	72.892	163.21	214.0	11.7
564.0	1849.9	73.138	163.65	246.0	13.5
565.0	1853.2	73.435	164.18	297.0	15.3
566.0	1856.5	73.636	164.54	201.0	11.0
567.0	1859.8	73.872	164.97	236.0	13.0
568.0	1863.0	73.995	165.19	123.0	6.8
569.0	1866.3	74.324	165.78	329.0	18.1
570.0	1869.6	74.430	165.97	106.0	5.8
571.0	1872.9	74.715	166.49	285.0	15.5
572.0	1876.2	74.992	166.99	277.0	15.2
573.0	1879.4	75.155	167.28	153.0	8.9
574.0	1882.7	75.351	167.63	196.0	10.8
575.0	1886.0	75.620	168.12	269.0	14.8

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LOCATION: KLAMATH FALLS AMS, ORE.

PAGE 15

385/ 9E-32DAA

HOLE NAME: BWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
576.0	1889.3	75.905	168.63	285.0	15.6
577.0	1892.6	76.222	169.20	317.0	17.4
578.0	1895.8	76.474	169.65	252.0	13.8
579.0	1899.1	76.655	169.98	181.0	9.9
580.0	1902.4	76.907	170.43	252.0	13.8
581.0	1905.7	77.192	170.95	285.0	15.6
582.0	1909.0	77.446	171.40	254.0	13.9
583.0	1912.2	77.828	172.09	382.0	21.0
584.0	1915.5	78.050	172.49	222.0	12.1
585.0	1918.8	78.199	172.76	149.0	8.0
586.0	1922.1	78.571	173.43	372.0	20.4
587.0	1925.4	78.842	173.92	271.0	14.8
588.0	1928.6	78.997	174.19	155.0	8.5
589.0	1931.9	79.250	174.65	253.0	13.9
590.0	1935.2	79.599	175.12	259.0	14.3
591.0	1938.5	79.661	175.39	152.0	8.3
592.0	1941.8	79.895	175.81	234.0	12.6
593.0	1945.0	80.037	176.07	142.0	7.7
594.0	1948.3	80.168	176.30	131.0	7.1
595.0	1951.6	80.311	176.56	143.0	7.7
596.0	1954.9	80.446	176.80	135.0	7.4
597.0	1958.2	80.534	177.14	188.0	10.3
598.0	1961.4	80.805	177.45	171.0	9.4
599.0	1964.7	80.824	177.48	19.0	0.4
600.0	1968.0	80.877	177.58	53.0	2.9
601.0	1971.3	80.942	177.70	65.0	3.5
602.0	1974.6	81.009	177.82	67.0	3.6
603.0	1977.8	81.078	177.94	69.0	3.7
604.0	1981.1	81.152	178.07	74.0	4.1
605.0	1984.4	81.224	178.20	72.0	4.0
606.0	1987.7	81.298	178.34	74.0	4.1
607.0	1991.0	81.375	178.48	77.0	4.2
608.0	1994.2	81.457	178.62	82.0	4.4
609.0	1997.5	81.542	178.78	85.0	4.6
610.0	2000.8	81.637	178.95	95.0	5.2
611.0	2004.1	81.747	179.14	110.0	6.0
612.0	2007.4	81.879	179.38	132.0	7.3
613.0	2010.6	82.004	179.61	125.0	6.9
614.0	2013.9	82.120	179.82	116.0	6.4
615.0	2017.2	82.250	180.05	130.0	7.1
616.0	2020.5	82.400	180.32	150.0	8.2

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LOCATION: KLAMATH FALLS AMS, ORE.

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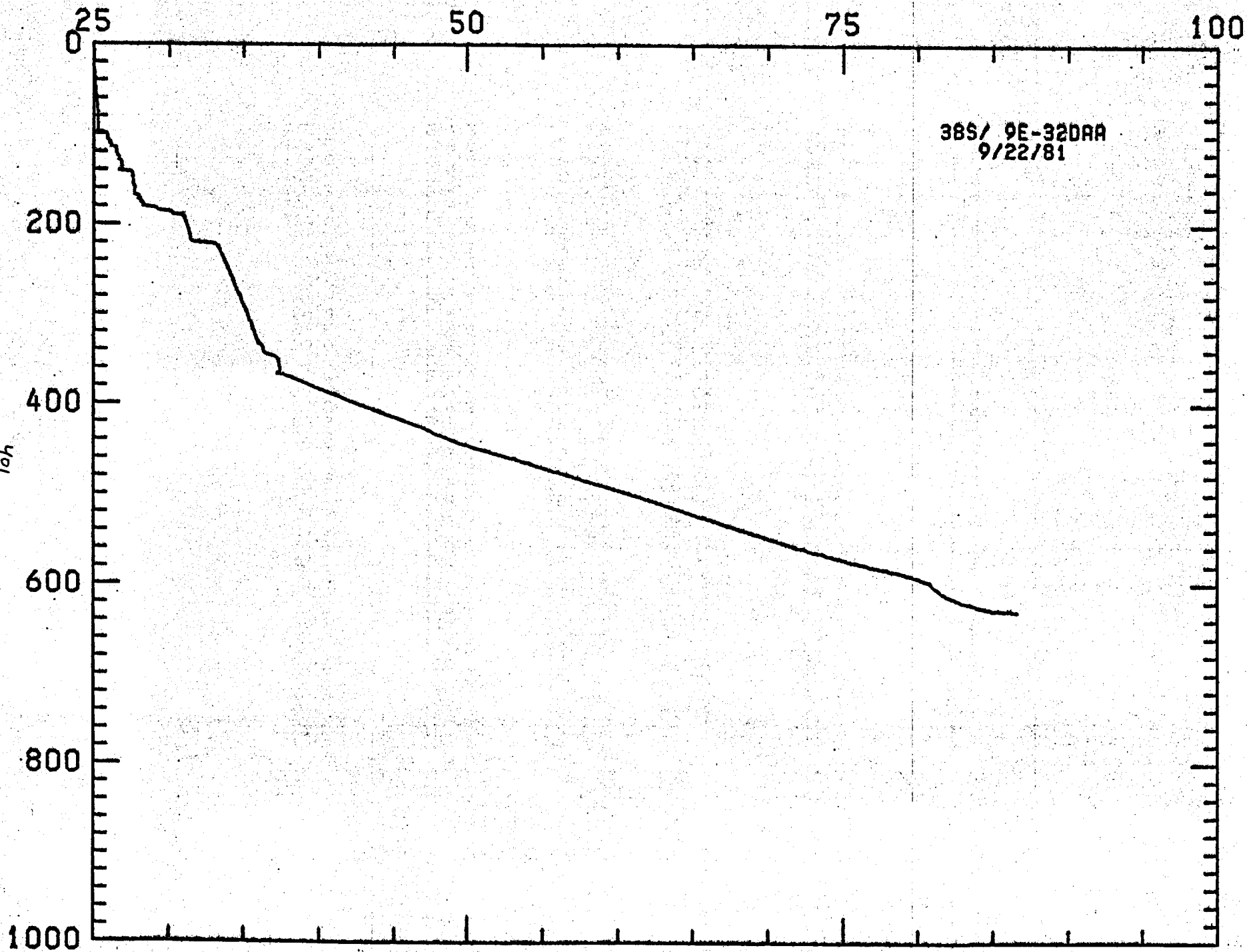
HOLE NAME: EWAUNA

DATE MEASURED: 9/22/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
617.0	2023.8	82.571	180.63	171.0	9.4
618.0	2027.0	82.744	180.94	173.0	9.5
619.0	2030.3	82.932	181.28	188.0	10.3
620.0	2033.6	83.129	181.63	197.0	10.8
621.0	2036.9	83.323	181.98	194.0	10.6
622.0	2040.2	83.523	182.34	200.0	11.0
623.0	2043.4	83.719	182.69	196.0	10.8
624.0	2046.7	83.902	183.02	183.0	10.0
625.0	2050.0	84.089	183.36	187.0	10.3
626.0	2053.3	84.314	183.77	225.0	12.3
627.0	2056.6	84.708	184.47	394.0	21.6
628.0	2059.8	84.969	184.94	261.0	14.3
629.0	2063.1	86.637	187.95	1668.0	91.5

400

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

39S/ 1E- 2BCB

HOLE NAME: NED COOK

DATE MEASURED: 8/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
15.0	49.2	14.680	58.42	0.0	0.0
17.0	57.4	14.700	58.46	0.0	0.4
20.0	65.6	14.740	58.53	16.0	0.9
22.5	73.8	14.780	58.60	16.0	0.9
25.0	82.0	14.820	58.68	16.0	0.9
27.5	90.2	14.860	58.75	16.0	0.9
30.0	98.4	14.910	58.84	20.0	1.1
32.5	106.6	14.960	58.93	20.0	1.1
35.0	114.8	15.010	59.02	20.0	1.1
37.5	123.0	15.060	59.11	20.0	1.1
40.0	131.2	15.120	59.22	24.0	1.3
42.5	139.4	15.180	59.32	24.0	1.3
45.0	147.6	15.240	59.43	24.0	1.3
47.5	155.8	15.300	59.54	24.0	1.3
50.0	164.0	15.350	59.63	20.0	1.1
52.5	172.2	15.410	59.74	24.0	1.3
55.0	180.4	15.470	59.85	24.0	1.3
57.5	188.6	15.520	59.94	20.0	1.1
60.0	196.8	15.590	60.06	20.0	1.1
62.5	205.0	15.660	60.19	20.0	1.1
65.0	213.2	15.710	60.28	20.0	1.1
67.5	221.4	15.770	60.39	24.0	1.3
70.0	229.6	15.830	60.49	24.0	1.3
72.5	237.8	15.900	60.62	20.0	1.1
75.0	246.0	15.950	60.71	20.0	1.1
77.5	254.2	16.000	60.80	20.0	1.1
80.0	262.4	16.070	60.93	20.0	1.1
82.5	270.6	16.120	61.02	20.0	1.1
85.0	278.8	16.190	61.14	20.0	1.1
87.5	287.0	16.240	61.23	20.0	1.1
90.0	295.2	16.310	61.36	20.0	1.1
92.5	303.4	16.370	61.47	24.0	1.3
95.0	311.6	16.440	61.59	20.0	1.1
97.5	319.8	16.490	61.68	20.0	1.1
100.0	328.0	16.550	61.79	24.0	1.3
102.5	336.2	16.650	61.97	40.0	2.2
105.0	344.4	16.690	62.04	16.0	0.9
107.5	352.6	16.750	62.15	24.0	1.3
110.0	360.8	16.820	62.28	20.0	1.1
112.5	369.0	16.870	62.37	20.0	1.1
115.0	377.2	16.960	62.53	36.0	2.0

402

LOCATION: MEDFORD AMS, OREGON

PAGE 2

395/ 1E- 2BCB

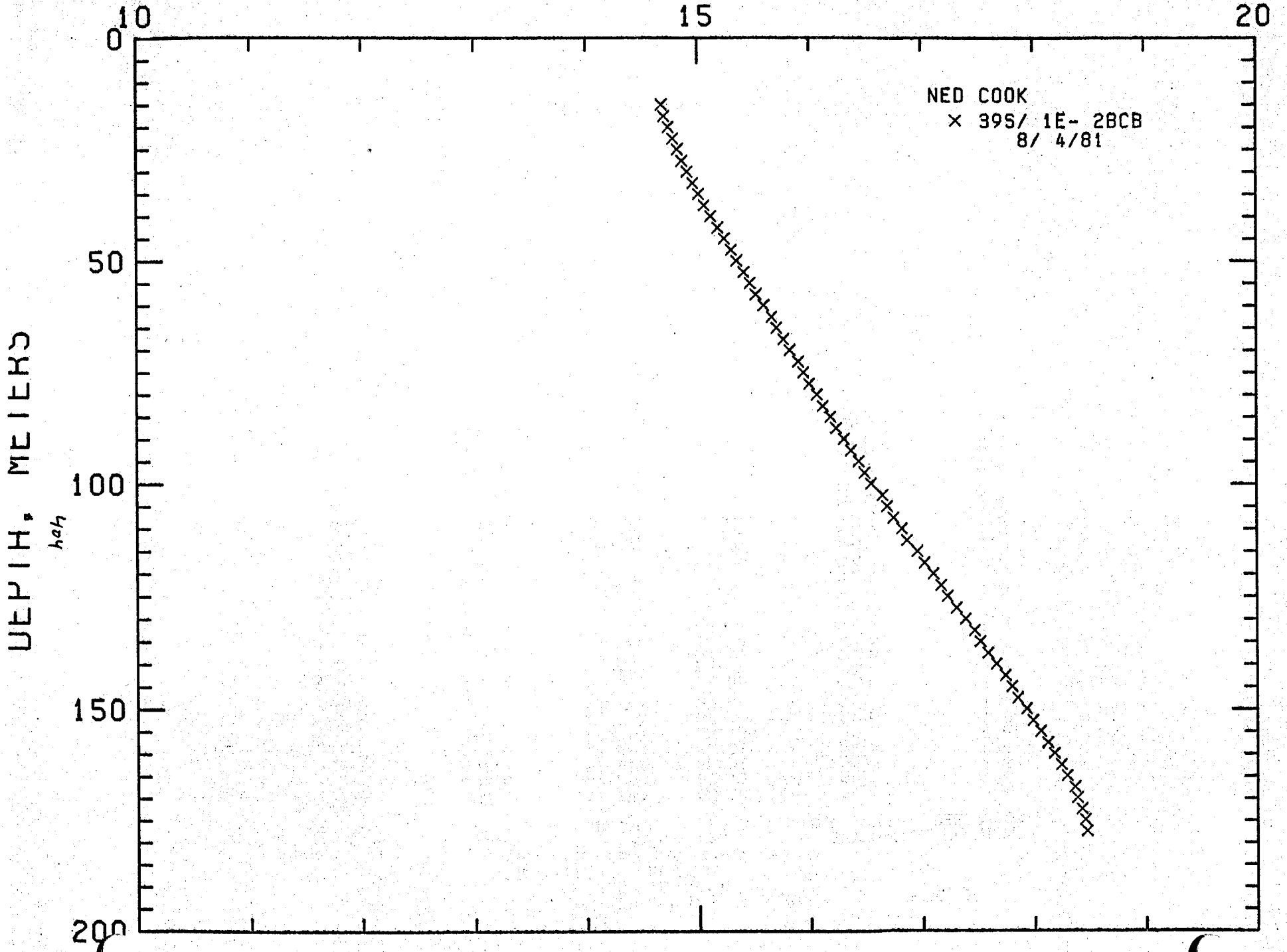
HOLE NAME: NED COOK

DATE MEASURED: 8/ 4/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
117.5	385.4	17.020	62.64	24.0	1.3
120.0	393.6	17.100	62.78	22.0	1.0
122.5	401.8	17.170	62.91	23.0	1.5
125.0	410.0	17.230	63.01	24.0	1.3
127.5	418.2	17.310	63.16	32.0	1.8
130.0	426.4	17.390	63.30	32.0	1.8
132.5	434.6	17.470	63.45	32.0	1.8
135.0	442.8	17.520	63.54	28.0	1.1
137.5	451.0	17.590	63.66	28.0	1.5
140.0	459.2	17.660	63.79	28.0	1.5
142.5	467.4	17.740	63.93	22.0	1.0
145.0	475.6	17.800	64.04	24.0	1.3
147.5	483.8	17.850	64.13	20.0	1.1
150.0	492.0	17.930	64.27	22.0	1.0
152.5	500.2	17.990	64.38	24.0	1.3
155.0	508.4	18.060	64.51	28.0	1.5
157.5	516.6	18.120	64.62	24.0	1.3
160.0	524.8	18.180	64.72	24.0	1.3
162.5	533.0	18.240	64.83	24.0	1.3
165.0	541.2	18.290	64.92	20.0	1.1
167.5	549.4	18.360	65.05	20.0	1.1
170.0	557.6	18.380	65.08	20.0	1.1
172.5	565.8	18.420	65.16	16.0	0.9
175.0	574.0	18.450	65.21	12.0	0.7
177.5	582.2	18.470	65.25	8.0	0.4

407

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, ORE.

39S/ 1E- 488D

HOLE NAME: ASHGM

DATE MEASURED: 10/14/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

4.0
4.5
5.0
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6.6
13.9
16.4
19.3
22.6
26.0
29.9
34.4
39.4
44.9
50.0
55.6
61.7
68.4
75.7
83.6
92.0
101.0
110.4
120.1
130.0
140.0
150.0
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18.429
18.387
18.331
18.260
14.259
13.686
13.309
13.126
12.990
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12.929
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507

LOCATION: MEDFORD AMS, ORE.

PAGE 2

39S/ 1E- 488D

HOLE NAME: ASHGH

DATE MEASURED: 10/14/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
43.0	141.0	15.521	59.94	140.0	7.7
44.0	144.3	15.655	60.18	134.0	7.4
45.0	147.6	15.751	60.35	96.0	5.3
46.0	150.9	15.887	60.60	136.0	7.5
47.0	154.2	15.980	60.76	93.0	5.2
48.0	157.4	16.101	60.98	121.0	6.6
49.0	160.7	16.253	61.26	152.0	8.4
50.0	164.0	16.394	61.51	141.0	7.7
51.0	167.3	16.548	61.79	154.0	8.5
52.0	170.6	16.683	62.03	135.0	7.4
53.0	173.8	16.846	62.32	163.0	9.0
54.0	177.1	16.973	62.55	127.0	7.0
55.0	180.4	17.155	62.88	182.0	10.0
56.0	183.7	17.384	63.29	223.0	12.0
57.0	187.0	17.543	63.58	159.0	8.8
58.0	190.3	17.714	63.89	171.0	9.4
59.0	193.6	17.933	64.28	219.0	12.0
60.0	196.8	18.130	64.63	197.0	10.0
61.0	200.1	18.394	65.11	264.0	14.5
62.0	203.4	18.591	65.46	197.0	10.0
63.0	206.6	18.871	65.97	288.0	15.4
64.0	209.9	19.987	66.18	116.0	6.4
65.0	213.2	19.301	66.80	344.0	19.0
66.0	216.5	19.537	67.17	206.0	11.4
67.0	219.8	19.785	67.61	248.0	13.6
68.0	223.1	20.021	68.04	236.0	13.0
69.0	226.4	20.259	68.47	241.0	13.3
70.0	229.6	20.278	68.50	16.0	0.9
71.0	232.9	20.295	68.53	17.0	0.9
72.0	236.2	20.299	68.54	4.0	0.2
73.0	239.5	20.324	68.58	25.0	1.4
74.0	242.8	20.343	68.62	19.0	1.0
75.0	246.0	20.365	68.66	22.0	1.2
76.0	249.3	20.379	68.68	14.0	0.8
77.0	252.6	20.403	68.73	24.0	1.3
78.0	255.9	20.468	68.84	65.0	3.6
79.0	259.1	20.464	68.84	14.0	0.8
80.0	262.4	20.489	68.88	27.0	1.4
81.0	265.7	20.521	68.94	32.0	1.8
82.0	269.0	20.541	68.97	20.0	1.1
83.0	272.3	20.559	69.01	18.0	1.0

707

LOCATION: MEDFORD AMS, ORE.

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HOLE NAME: ASHGH

DATE MEASURED: 10/14/81

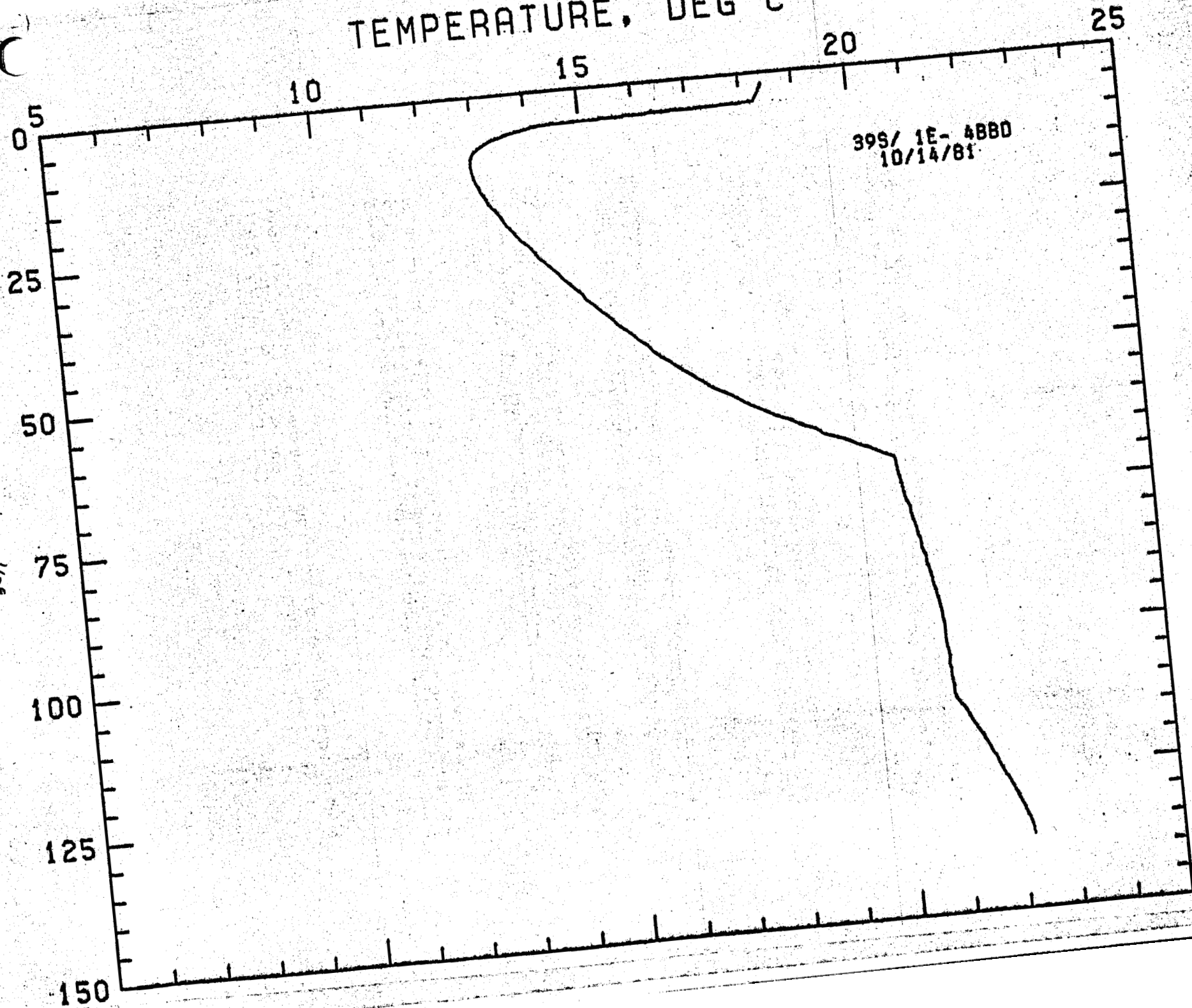
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
125.0	410.0	21.707	71.07	49.0	
126.0	413.3	21.793	71.16	46.0	
127.0	416.6	21.821	71.28	68.0	
128.0	419.0	21.866	71.36	45.0	
129.0	423.1	21.913	71.44	47.0	
130.0	426.4	21.951	71.53	48.0	
131.0	429.7	22.003	71.61	42.0	
132.0	433.0	22.046	71.68	43.0	
133.0	436.2	22.091	71.76	45.0	
134.0	439.5	22.135	71.84	44.0	
135.0	442.8	22.160	71.89	25.0	
136.0	445.1	22.183	71.93	23.0	
137.0	449.4	22.203	71.97	20.0	

80h

TEMPERATURE, DEG C

DEPTH, METERS

39S/ 1E- 4880
10/14/81



LOCATION: MEDFORD AMS, OREGON

39S/ 1E-15CDB

HOLE NAME: STURDUNT

DATE MEASURED: 8/ 3/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.980	51.76	0.0	0.0
15.0	49.2	11.030	51.85	10.0	0.0
20.0	65.6	10.890	51.60	-28.0	-1.5
25.0	82.0	10.910	51.64	4.0	0.0
30.0	98.4	11.030	51.85	24.0	1.5
35.0	114.8	11.110	52.00	16.0	0.9
40.0	131.2	11.220	52.20	22.0	1.3
45.0	147.6	11.340	52.41	24.0	1.5
50.0	164.0	11.400	52.52	12.0	0.7
55.0	180.4	11.500	52.70	20.0	1.1
60.0	196.8	11.620	52.92	24.0	1.3
65.0	213.2	11.670	53.01	10.0	0.5
70.0	229.6	11.770	53.19	20.0	1.1
75.0	246.0	11.890	53.40	24.0	1.3
80.0	262.4	11.980	53.56	18.0	1.0
85.0	278.8	12.080	53.74	20.0	1.1
90.0	295.2	12.180	53.92	20.0	1.1
95.0	311.6	12.230	54.01	10.0	0.5
97.5	319.0	12.270	54.09	16.0	0.9
100.0	328.0	12.330	54.19	24.0	1.3
102.5	336.2	12.360	54.25	12.0	0.7
105.0	344.4	12.400	54.32	16.0	0.9
107.5	352.6	12.450	54.41	20.0	1.1
110.0	360.8	12.490	54.48	16.0	0.9
112.5	369.0	12.530	54.55	16.0	0.9
115.0	377.2	12.580	54.64	20.0	1.1
117.5	385.4	12.630	54.73	20.0	1.1
120.0	393.6	12.660	54.79	12.0	0.7
122.5	401.8	12.690	54.84	12.0	0.7
125.0	410.0	12.760	54.97	28.0	1.5
127.5	418.2	12.800	55.04	16.0	0.9
130.0	426.4	12.850	55.13	20.0	1.1
132.5	434.6	12.880	55.18	12.0	0.7
135.0	442.8	12.940	55.29	24.0	1.3
137.5	451.0	12.970	55.35	12.0	0.7
140.0	459.2	13.020	55.44	20.0	1.1
142.5	467.4	13.070	55.53	20.0	1.1
145.0	475.6	13.110	55.60	16.0	0.9
147.5	483.8	13.150	55.67	16.0	0.9
150.0	492.0	13.210	55.78	24.0	1.3
152.5	500.2	13.240	55.83	12.0	0.7

a/h

LOCATION: MEDFORD AMS, OREGON

PAGE 2

39S/ 1E-15CDB

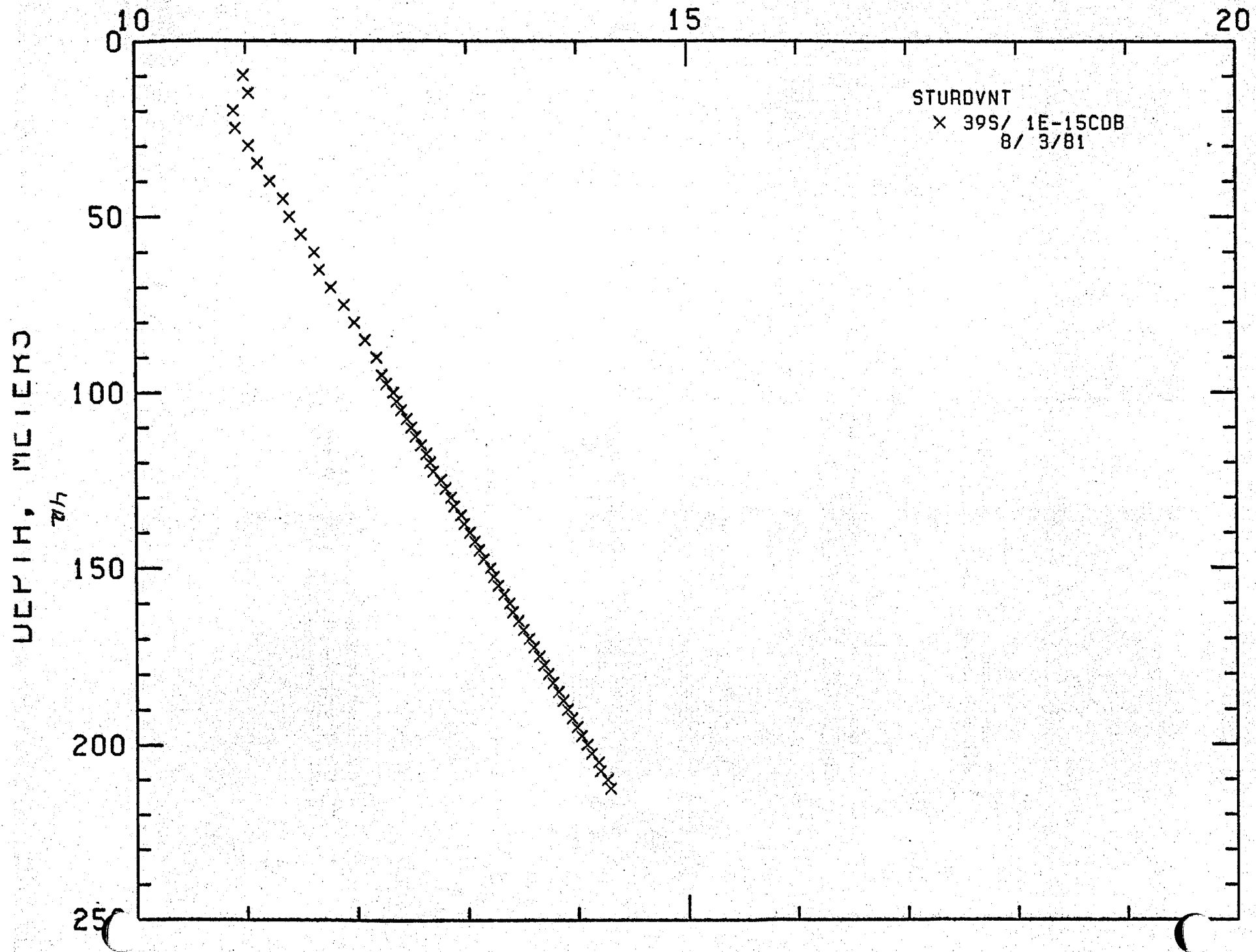
HOLE NAME: STURDUNT

DATE MEASURED: 8/ 3/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
155.0	508.4	13.280	55.90	16.0	0.9
157.5	516.6	13.330	55.99	20.0	1.1
160.0	524.8	13.380	56.08	20.0	1.1
162.5	533.0	13.410	56.14	12.0	0.7
165.0	541.2	13.460	56.23	20.0	1.1
167.5	549.4	13.510	56.32	20.0	1.1
170.0	557.6	13.560	56.41	20.0	1.1
172.5	565.8	13.600	56.48	16.0	0.9
175.0	574.0	13.650	56.57	20.0	1.1
177.5	582.2	13.690	56.64	16.0	0.9
180.0	590.4	13.730	56.71	16.0	0.9
182.5	598.6	13.770	56.79	16.0	0.9
185.0	606.8	13.820	56.88	20.0	1.1
187.5	615.0	13.860	56.95	16.0	0.9
190.0	623.2	13.900	57.02	16.0	0.9
192.5	631.4	13.940	57.09	16.0	0.9
195.0	639.6	13.990	57.18	20.0	1.1
197.5	647.8	14.030	57.25	16.0	0.9
200.0	656.0	14.080	57.34	20.0	1.1
202.5	664.2	14.120	57.42	16.0	0.9
205.0	672.4	14.180	57.52	24.0	1.3
207.5	680.6	14.200	57.56	8.0	0.4
210.0	688.8	14.260	57.67	24.0	1.3
212.5	697.0	14.290	57.72	12.0	0.7

117

TEMPERATURE, DEG C



STURDVNT
X 395/ 1E-15CDB
8/ 3/81

LOCATION: KLAMATH FALLS AMS, ORE

39S/ 9E- 18EC

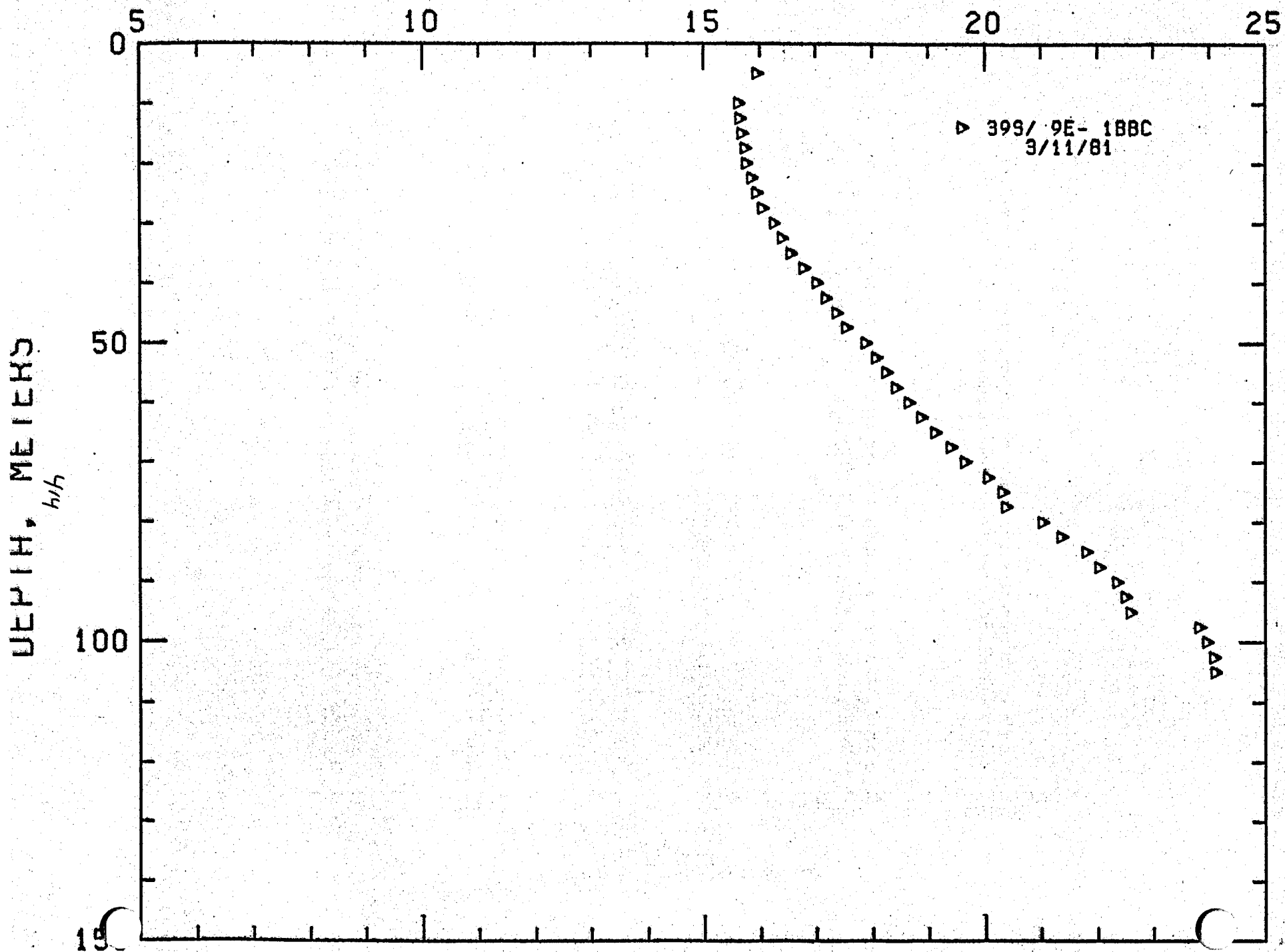
HOLE NAME: SHSTA SH

DATE MEASURED: 3/11/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	15.980	60.76	0.0	0.0
10.0	32.8	15.650	60.17	-66.0	-0.3
12.0	41.0	15.670	60.21	0.0	0.0
15.0	49.2	15.710	60.28	16.0	0.4
17.0	57.4	15.760	60.37	20.0	0.6
20.0	65.6	15.790	60.42	12.0	0.3
22.0	73.8	15.880	60.58	36.0	1.0
24.0	82.0	15.970	60.75	36.0	1.0
26.0	90.2	16.070	60.93	40.0	1.1
28.0	98.4	16.280	61.30	84.0	2.4
30.0	106.6	16.430	61.57	60.0	1.7
32.0	114.8	16.590	61.86	64.0	1.8
34.0	123.0	16.820	62.28	92.0	2.6
36.0	131.2	17.050	62.69	92.0	2.6
38.0	139.4	17.200	62.96	60.0	1.7
40.0	147.6	17.400	63.32	80.0	2.3
42.0	155.8	17.570	63.63	68.0	2.0
44.0	164.0	17.910	64.24	136.0	3.1
46.0	172.2	18.100	64.58	76.0	2.2
48.0	180.4	18.290	64.90	72.0	2.1
50.0	188.6	18.450	65.21	68.0	2.0
52.0	196.8	18.690	65.62	92.0	2.6
54.0	205.0	18.900	66.02	88.0	2.5
56.0	213.2	19.150	66.47	100.0	2.9
58.0	221.4	19.420	66.96	108.0	3.1
60.0	229.6	19.690	67.42	104.0	2.9
62.0	237.8	20.090	68.14	160.0	4.3
64.0	246.0	20.350	68.63	108.0	2.9
66.0	254.2	20.410	68.74	24.0	0.7
68.0	262.4	21.060	69.91	260.0	6.3
70.0	270.6	21.390	70.50	132.0	3.7
72.0	278.8	21.890	71.29	176.0	4.9
74.0	287.0	22.060	71.71	92.0	2.6
76.0	295.2	22.380	72.28	128.0	3.6
78.0	303.4	22.530	72.55	60.0	1.7
80.0	311.6	22.620	72.72	36.0	1.0
82.0	319.8	23.840	74.91	488.0	11.3
84.0	328.0	23.990	75.16	56.0	1.6
86.0	336.2	24.110	75.40	52.0	1.5
88.0	344.4	24.130	75.43	0.0	0.0

014

TEMPERATURE, DEG C



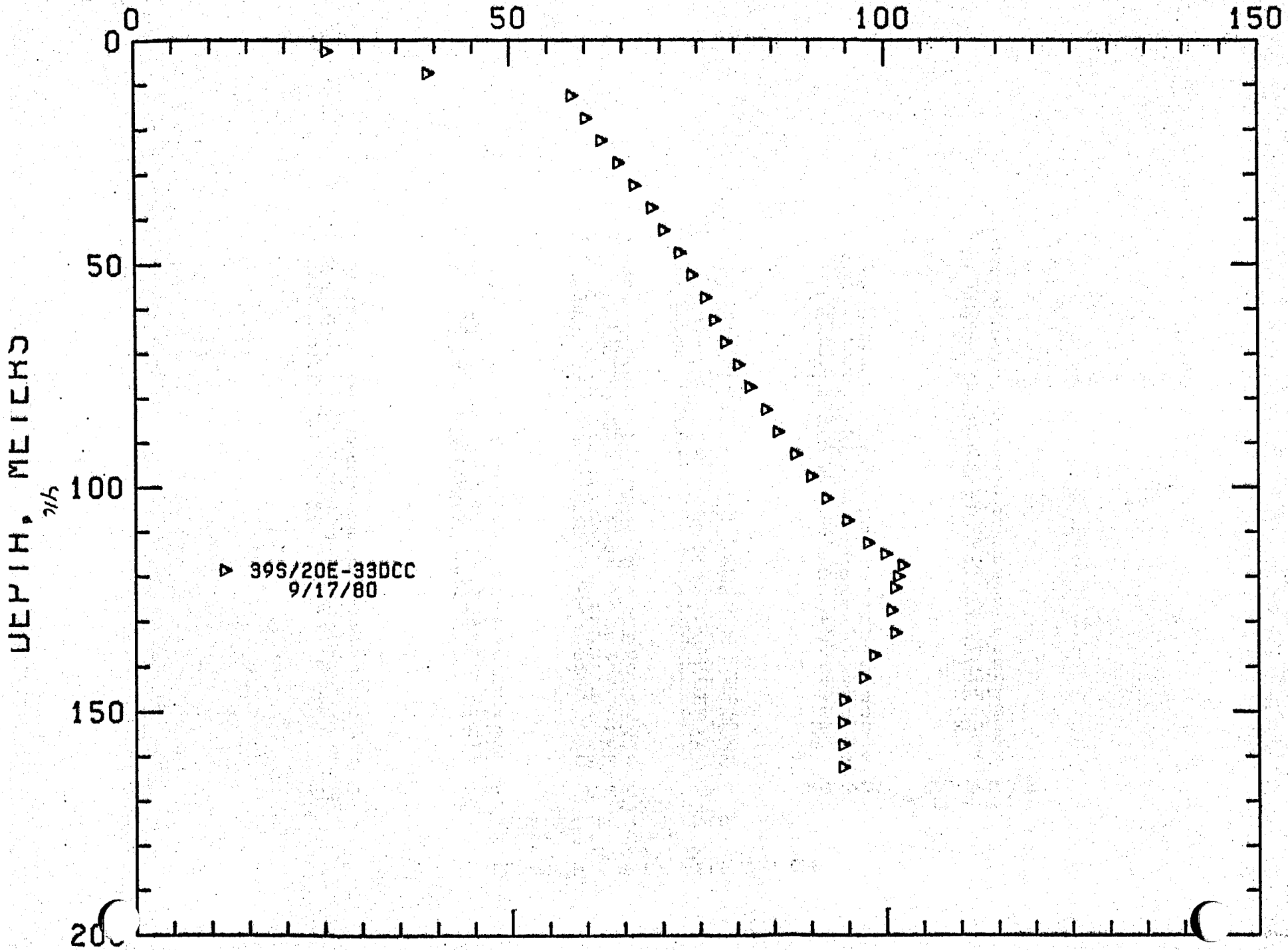
LOCATION: KLAMATH FALLS AMS, ORE
39S/20E-33DCC

HOLE NAME: ORE D F
DATE MEASURED: 9/17/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100. FT
0.2	0.2	25.840	78.51	0.0	0.0
24.6	24.6	39.290	102.72	2690.0	147.56
41.0	41.0	58.470	137.25	3936.0	210.50
57.4	57.4	60.370	140.67	3936.0	210.50
73.8	73.8	62.380	144.28	4022.0	224.11
90.2	90.2	64.640	148.35	4522.0	254.00
106.6	106.6	66.810	152.26	4942.0	275.00
123.0	123.0	69.070	156.33	4522.0	254.00
139.4	139.4	70.640	159.15	3142.0	175.00
155.8	155.8	72.800	163.04	4322.0	240.00
172.2	172.2	74.370	165.87	3142.0	175.00
188.6	188.6	76.160	169.09	3552.0	197.00
205.0	205.0	77.390	171.30	2462.0	137.00
221.4	221.4	78.830	173.89	2882.0	160.00
237.8	237.8	80.560	177.01	3452.0	193.00
254.2	254.2	82.150	179.87	3182.0	176.00
270.6	270.6	84.250	183.65	4202.0	233.00
287.0	287.0	85.900	186.63	3302.0	184.00
303.4	303.4	88.320	190.98	4542.0	252.00
319.8	319.8	90.320	194.58	4002.0	222.00
336.2	336.2	92.400	198.32	4162.0	230.00
352.6	352.6	95.100	203.18	5402.0	300.00
369.0	369.0	97.880	208.18	5562.0	310.00
385.4	385.4	100.160	212.29	9122.0	506.00
401.8	401.8	102.550	216.59	9562.0	530.00
418.2	418.2	101.910	215.44	-2562.0	-14.00
434.6	434.6	101.450	214.61	-1042.0	-5.80
451.0	451.0	100.930	213.67	-1042.0	-5.80
467.4	467.4	101.450	214.61	1042.0	5.80
483.8	483.8	98.650	209.57	1562.0	8.70
499.2	499.2	97.280	207.10	12742.0	70.00
515.6	515.6	94.600	202.28	12362.0	68.00
532.0	532.0	94.460	202.03	1282.0	70.00
548.4	548.4	94.420	201.96	0.0	0.0
564.8	564.8	94.420	201.96	0.0	0.0

517

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, ORE.

405/ 2E- 688D

HOLE NAME: BOB FORD

DATE MEASURED: 8/25/81

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C DEG F

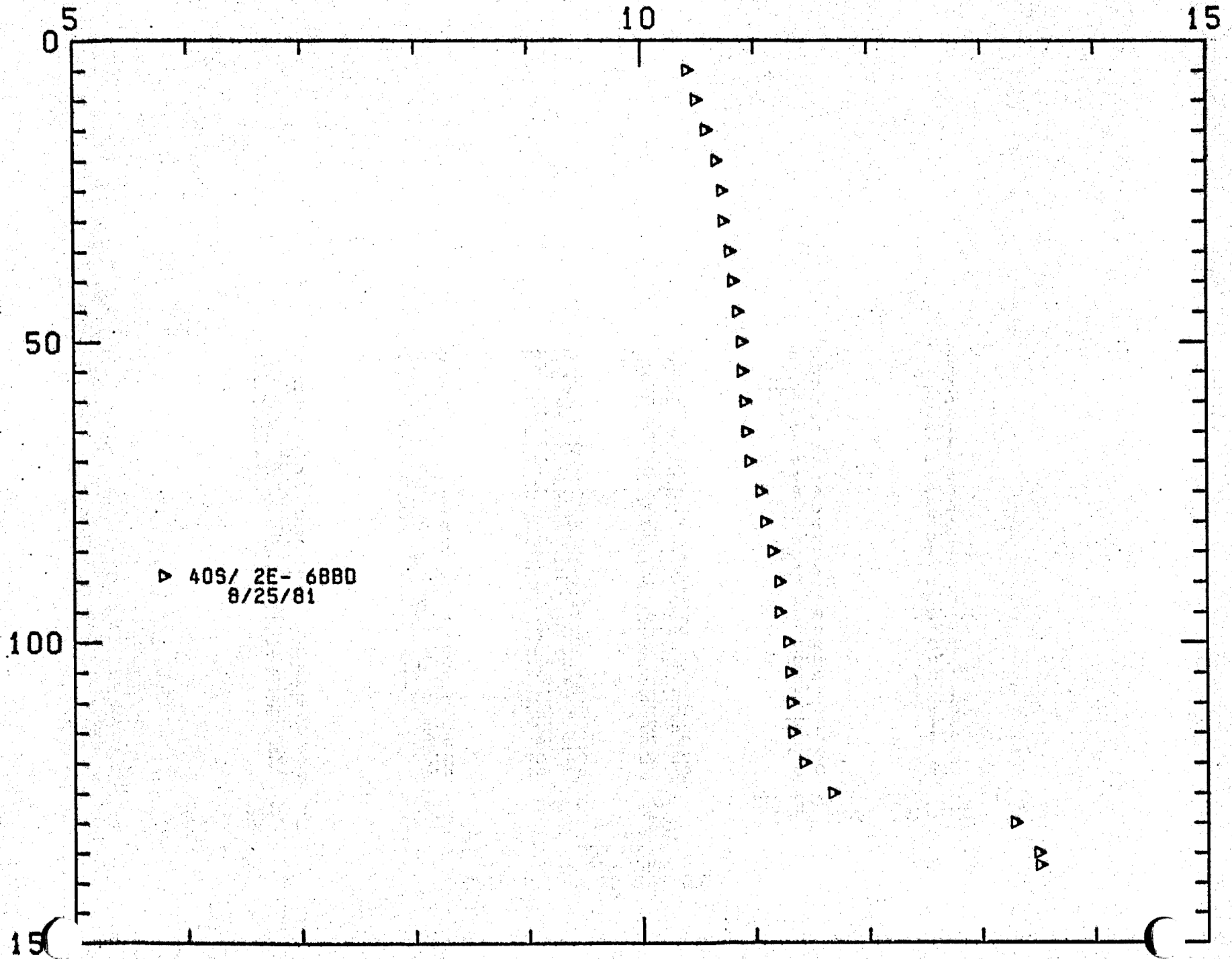
GEOHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	10.420	50.76	0.0	0.0
10.0	32.8	10.500	50.90	16.0	0.90
15.0	49.2	10.590	51.06	16.0	1.10
20.0	65.6	10.680	51.22	16.0	1.10
25.0	82.0	10.730	51.31	16.0	1.15
30.0	98.4	10.740	51.33	10.0	1.15
35.0	114.8	10.800	51.44	22.0	1.15
40.0	131.2	10.830	51.49	12.0	1.15
45.0	147.6	10.870	51.57	8.0	1.40
50.0	164.0	10.900	51.62	8.0	1.40
55.0	180.4	10.910	51.64	6.0	1.40
60.0	196.8	10.930	51.67	2.0	1.40
65.0	213.2	10.950	51.71	4.0	1.40
70.0	229.6	10.970	51.75	4.0	1.40
75.0	246.0	11.070	51.93	2.0	1.40
80.0	262.4	11.110	52.00	1.0	1.40
85.0	278.8	11.170	52.11	1.0	1.40
90.0	295.2	11.230	52.21	1.0	1.40
95.0	311.6	11.230	52.21	1.0	1.40
100.0	328.0	11.300	52.34	14.0	1.40
105.0	344.4	11.320	52.38	4.0	1.40
110.0	360.8	11.330	52.39	2.0	1.40
115.0	377.2	11.340	52.41	2.0	1.40
120.0	393.6	11.440	52.59	2.0	1.40
125.0	410.0	11.690	53.04	2.0	1.40
130.0	426.4	13.300	55.94	2.0	1.40
135.0	442.8	13.510	56.33	4.0	1.40
140.0	459.2	13.520	56.34	5.0	1.40

417

TEMPERATURE, DEG C

DEPTH, METERS
814



LOCATION: MEDFORD AMS, ORE.

40S/ 2E-12ACC

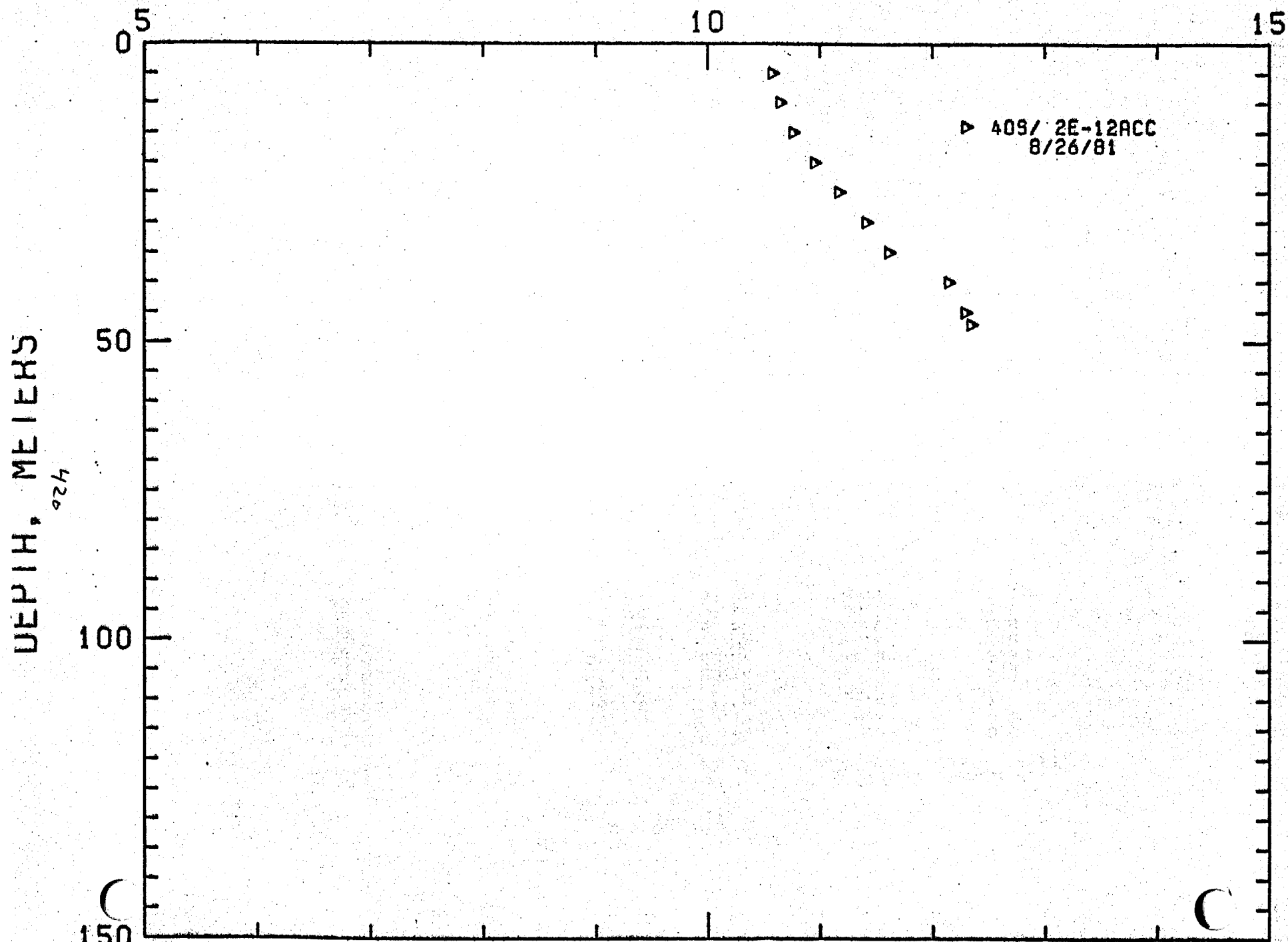
HOLE NAME: LUCY HAR

DATE MEASURED: 8/26/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	10.590	51.06	0.0	0.0
10.0	32.8	10.660	51.19	14.0	0.0
15.0	49.2	10.780	51.40	24.0	1.3
20.0	65.6	10.970	51.75	38.0	1.1
25.0	82.0	11.190	52.14	44.0	1.4
30.0	98.4	11.430	52.57	48.0	1.6
35.0	114.8	11.630	52.93	48.0	1.6
40.0	131.2	12.160	53.89	106.0	5.0
45.0	147.6	12.310	54.16	30.0	1.6
47.0	154.2	12.360	54.25	25.0	1.4

b/h

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

40S/ 2E-16BDC

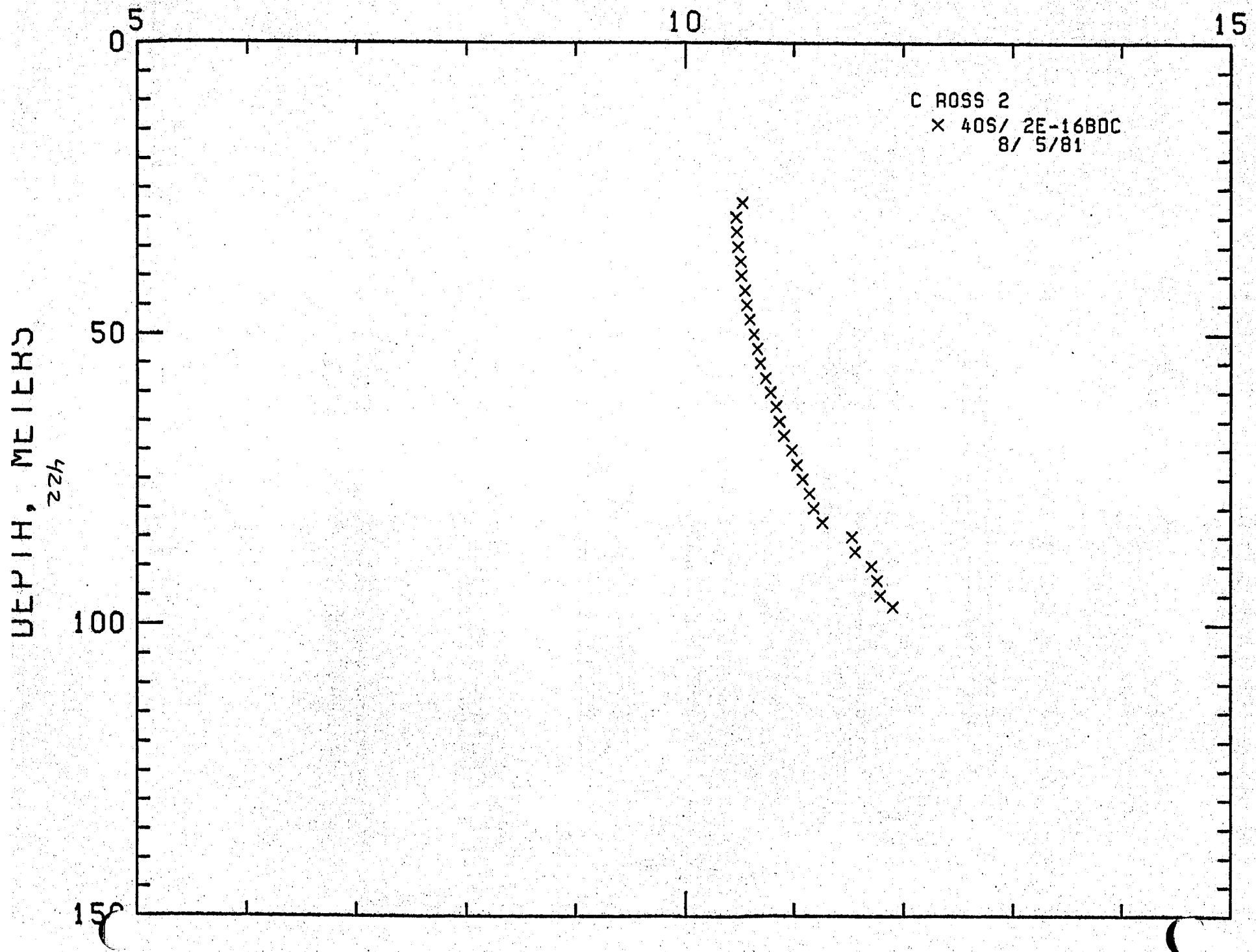
HOLE NAME: C ROSS 2

DATE MEASURED: 8/ 5/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
97.5	90.2	10.520	50.94	0.0	0.0
99.0	98.4	10.460	50.83	-24.0	-1.33
101.5	106.6	10.470	50.85	4.0	0.22
104.0	114.8	10.480	50.86	4.0	0.22
106.5	123.0	10.500	50.90	6.0	0.33
109.0	131.2	10.510	50.92	4.0	0.22
111.5	139.4	10.540	50.97	12.0	0.67
114.0	147.6	10.560	51.01	8.0	0.44
116.5	155.8	10.590	51.06	12.0	0.67
119.0	164.0	10.630	51.13	16.0	0.90
121.5	172.2	10.660	51.19	12.0	0.67
124.0	180.4	10.690	51.24	12.0	0.67
126.5	188.6	10.740	51.33	20.0	1.11
129.0	196.8	10.790	51.42	20.0	1.11
131.5	205.0	10.840	51.51	20.0	1.11
134.0	213.2	10.870	51.57	12.0	0.67
136.5	221.4	10.910	51.64	16.0	0.90
139.0	229.6	10.980	51.76	20.0	1.11
141.5	237.8	11.030	51.85	20.0	1.11
144.0	246.0	11.080	51.94	20.0	1.11
146.5	254.2	11.140	52.05	24.0	1.33
149.0	262.4	11.180	52.12	16.0	0.90
151.5	270.6	11.260	52.27	36.0	2.00
154.0	278.8	11.530	52.76	100.0	5.00
156.5	287.0	11.560	52.81	12.0	0.67
159.0	295.2	11.710	53.08	60.0	3.33
161.5	303.4	11.760	53.17	20.0	1.11
164.0	311.6	11.790	53.22	12.0	0.67
166.5	319.8	11.900	53.42	5.0	0.28

421

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, ORE.

40S/ 3E- 5DDD

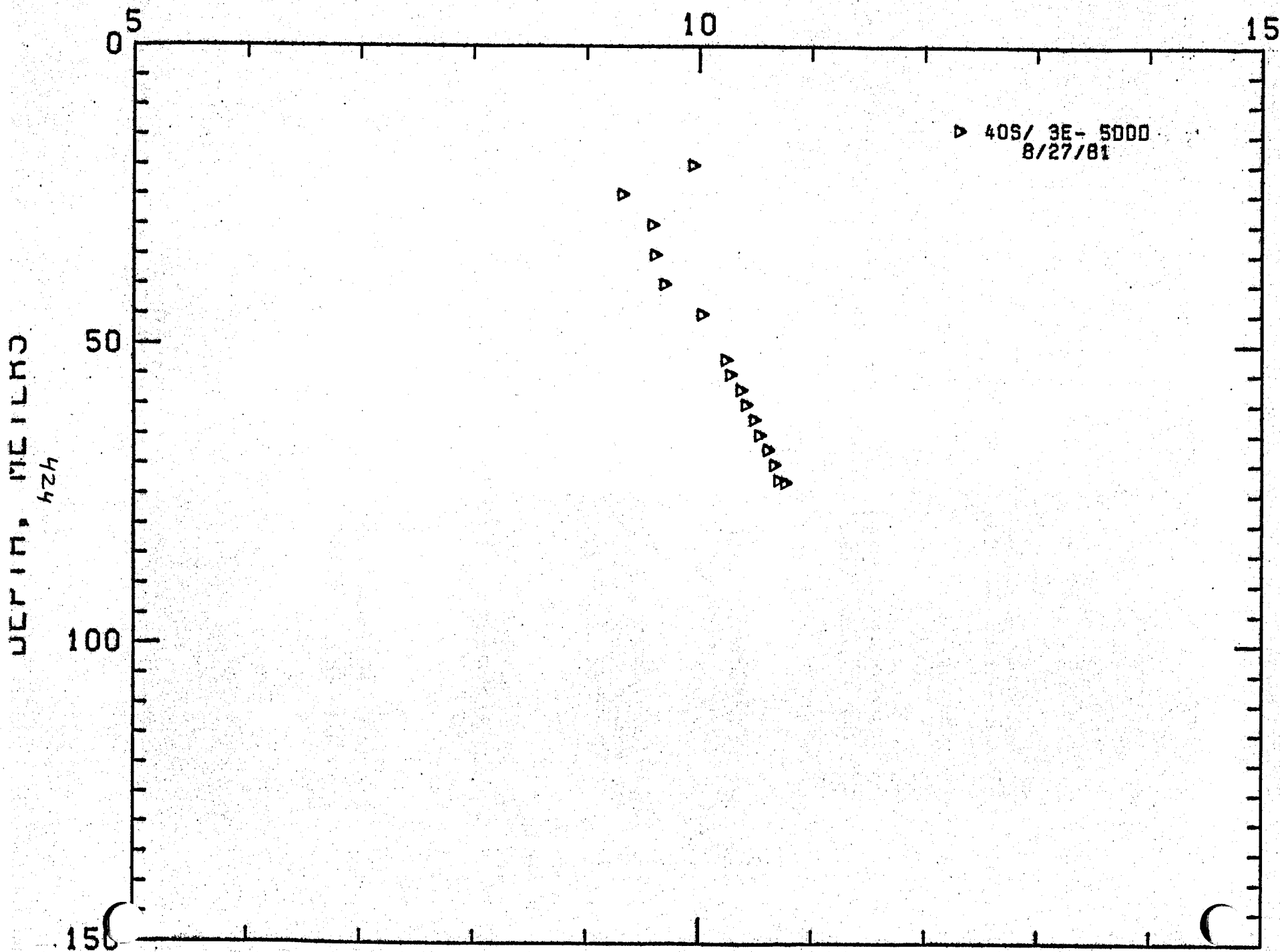
HOLE NAME: R MURRAY

DATE MEASURED: 8/27/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
65.0	65.6	9.960	49.93	0.0	0.0
82.0	82.0	9.330	48.79	12.0	5.0
98.4	98.4	9.600	49.28	54.0	10.0
114.8	114.8	9.620	49.32	4.0	0.0
131.2	131.2	9.710	49.48	18.0	1.0
147.6	147.6	10.040	50.07	66.0	1.0
172.2	172.2	10.250	50.45	28.0	1.0
188.4	188.4	10.290	50.52	15.0	0.0
188.6	188.6	10.380	50.68	36.0	0.0
196.8	196.8	10.430	50.77	23.0	0.0
205.0	205.0	10.500	50.90	23.0	0.0
213.2	213.2	10.550	50.99	23.0	0.0
221.4	221.4	10.620	51.12	23.0	0.0
229.6	229.6	10.680	51.22	24.0	0.0
237.8	237.8	10.720	51.30	16.0	0.0
239.4	239.4	10.780	51.40	120.0	6.0

423

TEMPERATURE, DEG C



LOCATION: MEDFORD AMS, OREGON

40S/ 7E- 6

HOLE NAME: TOPSEY C

DATE MEASURED: 8/ 1/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.060	50.11	0.0	0.0
15.0	49.2	10.120	50.22	12.0	0.7
20.0	65.6	10.390	50.70	54.0	3.0
25.0	82.0	15.620	60.12	1046.0	57.4
30.0	98.4	21.440	70.59	1164.0	63.9
35.0	114.8	20.140	68.25	-260.0	-14.3
40.0	131.2	20.560	69.01	84.0	4.6
42.5	139.4	20.760	69.37	80.0	4.4
45.0	147.6	20.720	69.30	-16.0	-0.9
47.5	155.8	15.910	60.64	-1924.0	-105.6
50.0	164.0	10.780	51.40	-2052.0	-112.6

That's what it says!

425

LOCATION: MEDFORD AMS, ORE.

41S/ 9W-15CCC

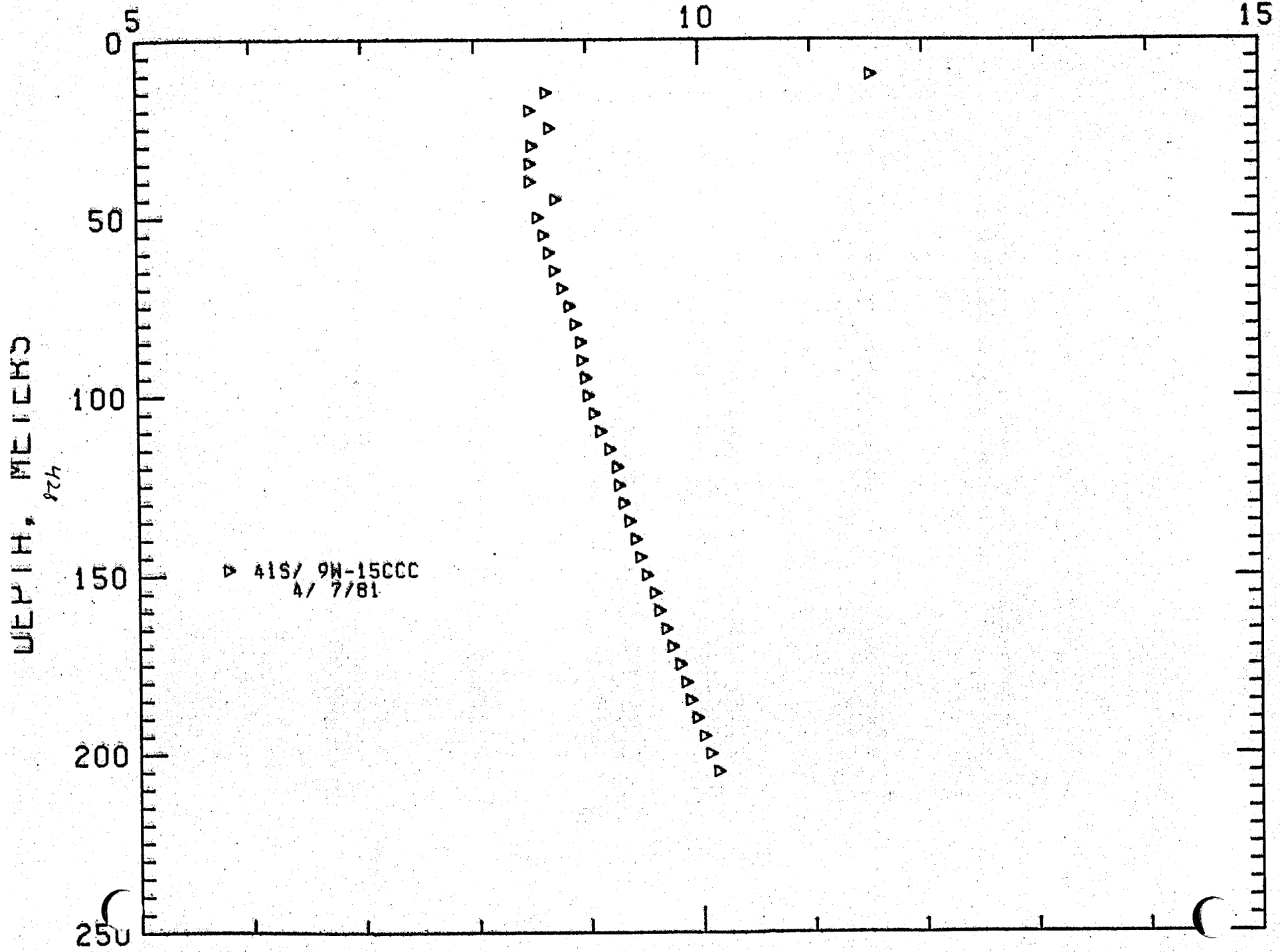
HOLE NAME: TAB 13

DATE MEASURED: 4/7/81

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.550	52.79	0.0	0.0
15.0	49.2	8.650	47.57	-580.0	-31.0
20.0	65.6	8.500	47.30	-30.0	-1.6
25.0	82.0	8.680	47.62	36.0	1.9
30.0	98.4	8.520	47.34	-32.0	-1.6
35.0	114.8	8.500	47.30	-4.0	-0.2
40.0	131.2	8.500	47.30	0.0	0.0
45.0	147.6	8.730	47.71	46.0	2.5
50.0	164.0	8.570	47.43	-32.0	-1.6
55.0	180.4	8.620	47.52	10.0	0.5
60.0	196.8	8.670	47.61	10.0	0.5
65.0	213.2	8.720	47.70	10.0	0.5
70.0	229.6	8.790	47.82	14.0	0.7
75.0	246.0	8.850	47.93	12.0	0.6
80.0	262.4	8.900	48.02	10.0	0.5
85.0	278.8	8.950	48.11	10.0	0.5
90.0	295.2	8.960	48.13	2.0	0.1
95.0	311.6	8.990	48.18	6.0	0.3
100.0	328.0	9.010	48.22	4.0	0.2
105.0	344.4	9.060	48.31	10.0	0.5
110.0	360.8	9.120	48.42	12.0	0.6
115.0	377.2	9.200	48.56	16.0	0.8
120.0	393.6	9.260	48.67	12.0	0.6
125.0	410.0	9.280	48.70	4.0	0.2
130.0	426.4	9.320	48.78	8.0	0.4
135.0	442.8	9.370	48.87	10.0	0.5
140.0	459.2	9.420	48.96	10.0	0.5
145.0	475.6	9.460	49.03	8.0	0.4
150.0	492.0	9.520	49.14	12.0	0.6
155.0	508.4	9.590	49.26	14.0	0.7
160.0	524.8	9.630	49.33	8.0	0.4
165.0	541.2	9.690	49.44	12.0	0.6
170.0	557.6	9.740	49.53	10.0	0.5
175.0	574.0	9.810	49.66	14.0	0.7
180.0	590.4	9.860	49.75	10.0	0.5
185.0	606.8	9.900	49.82	8.0	0.4
190.0	623.2	9.960	49.93	12.0	0.6
195.0	639.6	10.020	50.04	12.0	0.6
200.0	656.0	10.090	50.14	12.0	0.6
205.0	672.4	10.150	50.27	14.0	0.7

4/27

TEMPERATURE, DEG C



LOCATION: KLAMATH FALLS AMS, ORE.

41S/20E-12ABC

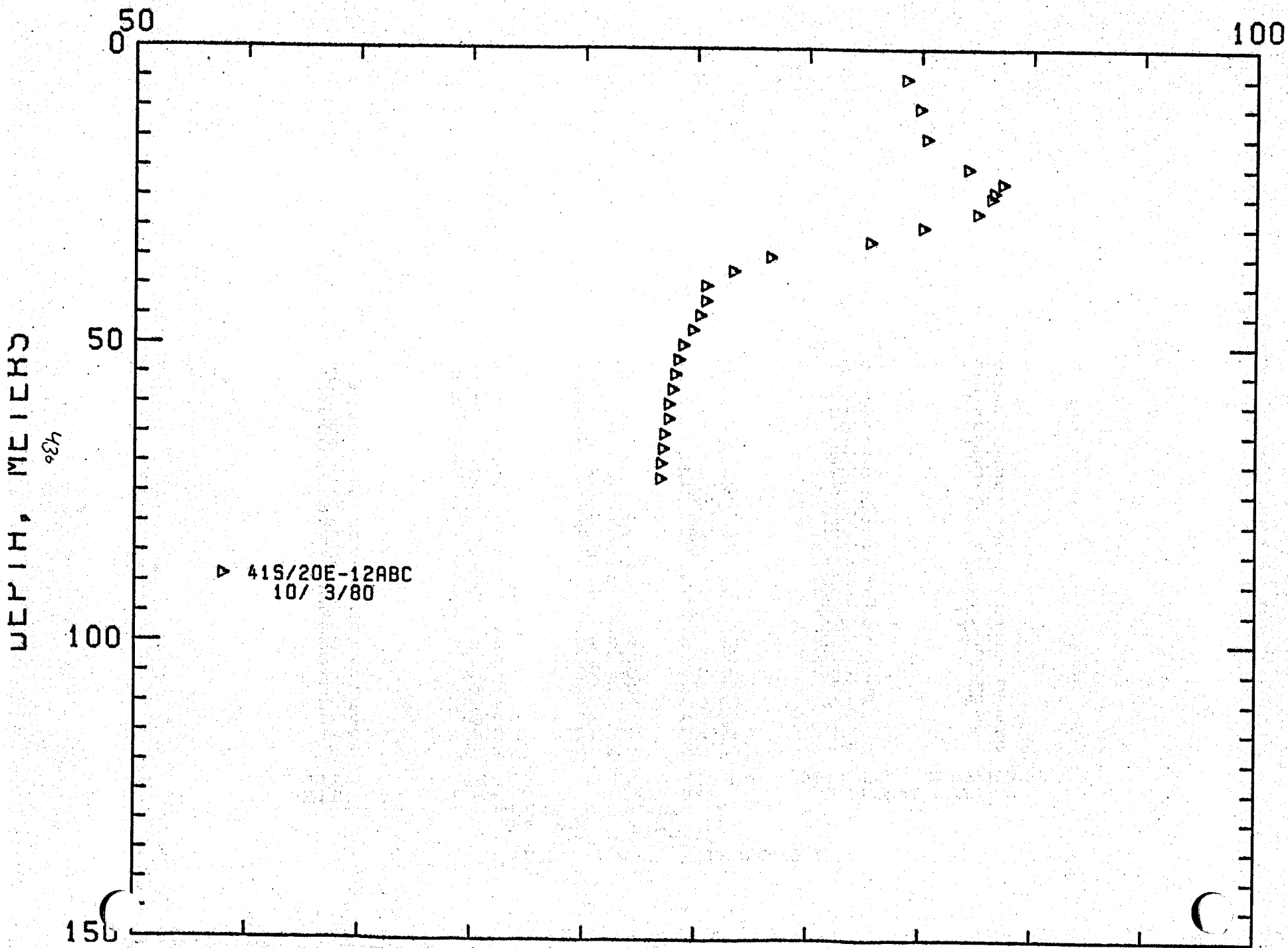
HOLE NAME: ROCK RAN

DATE MEASURED: 10/ 3/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	84.370	183.87	0.0	0.0
10.0	32.8	84.960	184.93	118.0	20.550
15.0	49.2	85.280	185.50	54.0	9.720
20.0	65.6	87.130	188.83	370.0	66.600
22.5	73.8	88.680	191.62	620.0	111.600
24.4	78.7	88.320	190.98	-240.0	-43.200
25.0	82.0	88.210	190.78	-110.0	-19.800
27.5	90.2	87.580	189.64	-252.0	-45.360
30.0	98.4	85.150	185.27	-972.0	-174.720
32.5	106.6	82.790	181.02	-944.0	-171.920
35.0	114.8	78.330	172.99	-1784.0	-323.120
37.5	123.0	76.690	170.04	-656.0	-118.080
40.0	131.2	75.470	167.85	-488.0	-87.840
42.5	139.4	75.470	167.85	0.0	0.0
45.0	147.6	75.210	167.38	-104.0	-18.720
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