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

OPEN-FILE REPORT O-86-2

GEOTHERMAL-GRADIENT DATA FOR OREGON (1982-1984)

by
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and
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Oregon Department of Geology and Mineral Industries

Data are arranged by township from north to south

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1986

NOTICE

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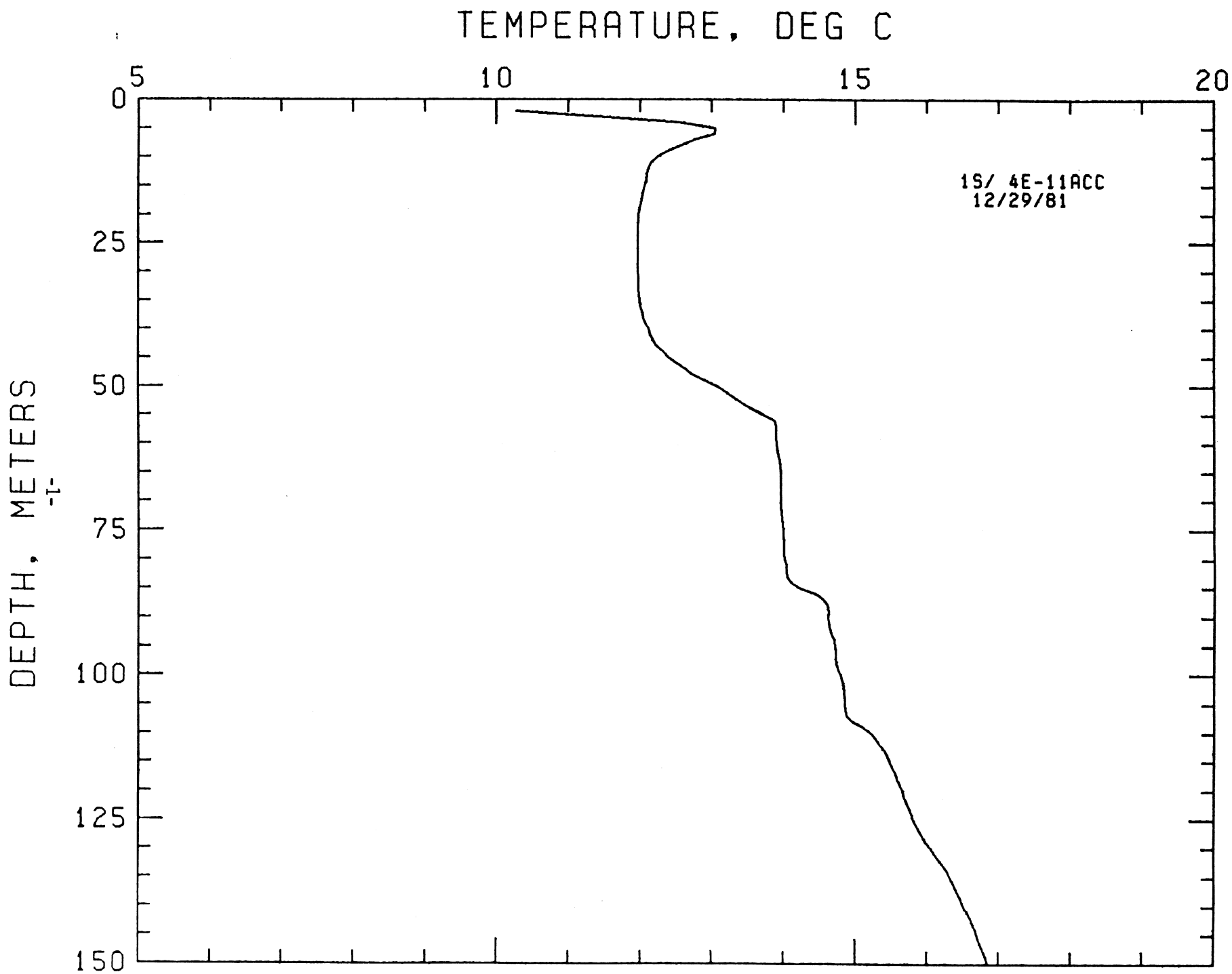

TEMPERATURE, DEG C
5
10
15
20
0
25
50
75
100
125
150
DEPTH, METERS
1S/ 4E-11ACC
12/29/81

LOCATION: VANCOUVER AMS, ORE.
1S/ 4E-11ACC
HOLE NAME: RDH-SDRV
DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
2.0	6.6	10.269	50.48	0.0	0.0
3.0	9.8	11.410	52.54	1141.0	62.6
4.0	13.1	12.539	54.57	1129.0	62.0
5.0	16.4	13.046	55.48	507.0	27.8
6.0	19.7	13.039	55.47	-7.0	-0.4
7.0	23.0	12.767	54.98	-272.0	-14.9
8.0	26.2	12.567	54.62	-200.0	-11.0
9.0	29.5	12.383	54.29	-184.0	-10.1
10.0	32.8	12.241	54.03	-142.0	-7.8
11.0	36.1	12.146	53.86	-95.0	-5.2
12.0	39.4	12.118	53.81	-28.0	-1.5
13.0	42.6	12.094	53.77	-24.0	-1.3
14.0	45.9	12.085	53.75	-9.0	-0.5
15.0	49.2	12.067	53.72	-18.0	-1.0
16.0	52.5	12.049	53.69	-18.0	-1.0
17.0	55.8	12.030	53.65	-19.0	-1.0
18.0	59.0	12.013	53.62	-17.0	-0.9
19.0	62.3	11.998	53.60	-15.0	-0.8
20.0	65.6	11.980	53.56	-18.0	-1.0
21.0	68.9	11.975	53.56	-5.0	-0.3
22.0	72.2	11.968	53.54	-7.0	-0.4
23.0	75.4	11.965	53.54	-3.0	-0.2
24.0	78.7	11.967	53.54	2.0	0.1
25.0	82.0	11.967	53.54	0.0	0.0
26.0	85.3	11.967	53.54	0.0	0.0
27.0	88.6	11.967	53.54	0.0	0.0
28.0	91.8	11.965	53.54	-2.0	-0.1
29.0	95.1	11.968	53.54	3.0	0.2
30.0	98.4	11.969	53.54	1.0	0.1
31.0	101.7	11.973	53.55	4.0	0.2
32.0	105.0	11.976	53.56	3.0	0.2
33.0	108.2	11.980	53.56	4.0	0.2
34.0	111.5	11.985	53.57	5.0	0.3
35.0	114.8	11.993	53.59	8.0	0.4
36.0	118.1	12.003	53.61	10.0	0.5
37.0	121.4	12.026	53.65	23.0	1.3
38.0	124.6	12.048	53.69	22.0	1.2
39.0	127.9	12.074	53.73	26.0	1.4
40.0	131.2	12.125	53.82	51.0	2.8
41.0	134.5	12.136	53.84	11.0	0.6
42.0	137.8	12.181	53.93	45.0	2.5

LOCATION: VANCOUVER AMS, ORE.
1S/ 4E-11ACC
HOLE NAME: RDH-SDRV
DATE MEASURED: 12/29/81

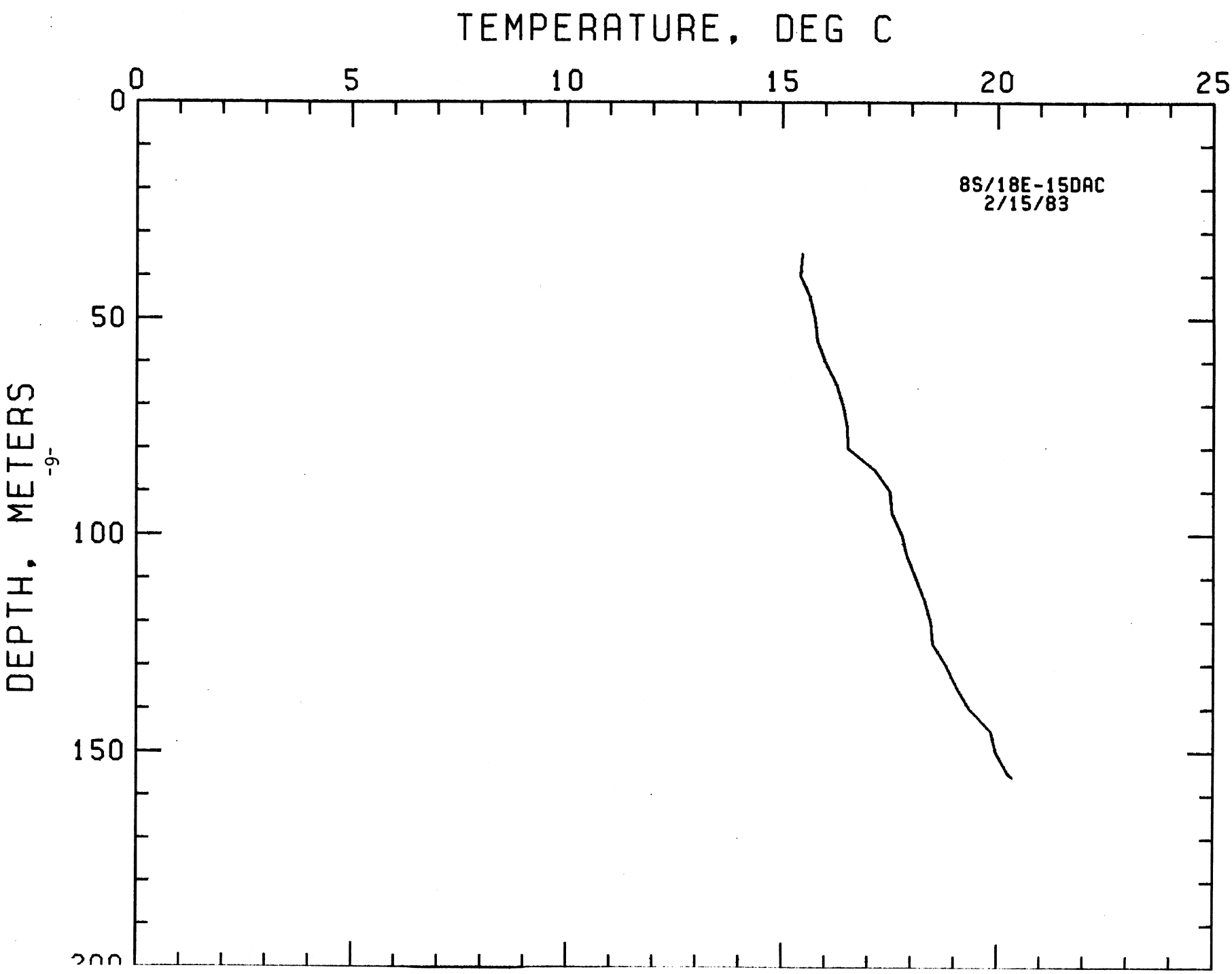
DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
43.0	141.0	12.225	54.01	44.0	2.4
44.0	144.3	12.331	54.20	106.0	5.8
45.0	147.6	12.399	54.32	68.0	3.7
46.0	150.9	12.506	54.51	107.0	5.9
47.0	154.2	12.633	54.74	127.0	7.0
48.0	157.4	12.735	54.92	102.0	5.6
49.0	160.7	12.896	55.21	161.0	8.8
50.0	164.0	13.074	55.53	178.0	9.8
51.0	167.3	13.196	55.75	122.0	6.7
52.0	170.6	13.308	55.95	112.0	6.1
53.0	173.8	13.434	56.18	126.0	6.9
54.0	177.1	13.563	56.41	129.0	7.1
55.0	180.4	13.719	56.69	156.0	8.6
56.0	183.7	13.878	56.98	159.0	8.7
57.0	187.0	13.895	57.01	17.0	0.9
58.0	190.2	13.901	57.02	6.0	0.3
59.0	193.5	13.901	57.02	0.0	0.0
60.0	196.8	13.903	57.03	2.0	0.1
61.0	200.1	13.914	57.05	11.0	0.6
62.0	203.4	13.931	57.08	17.0	0.9
63.0	206.6	13.945	57.10	14.0	0.8
64.0	209.9	13.954	57.12	9.0	0.5
65.0	213.2	13.962	57.13	8.0	0.4
66.0	216.5	13.966	57.14	4.0	0.2
67.0	219.8	13.966	57.14	0.0	0.0
68.0	223.0	13.964	57.14	-2.0	-0.1
69.0	226.3	13.962	57.13	-2.0	-0.1
70.0	229.6	13.964	57.14	2.0	0.1
71.0	232.9	13.969	57.14	5.0	0.3
72.0	236.2	13.978	57.16	9.0	0.5
73.0	239.4	13.983	57.17	5.0	0.3
74.0	242.7	13.990	57.18	7.0	0.4
75.0	246.0	13.996	57.19	6.0	0.3
76.0	249.3	14.000	57.20	4.0	0.2
77.0	252.6	14.005	57.21	5.0	0.3
78.0	255.8	14.008	57.21	3.0	0.2
79.0	259.1	14.010	57.22	2.0	0.1
80.0	262.4	14.016	57.23	6.0	0.3
81.0	265.7	14.039	57.27	23.0	1.3
82.0	269.0	14.046	57.28	7.0	0.4
83.0	272.2	14.050	57.29	4.0	0.2

LOCATION: VANCOUVER AMS, ORE. PAGE 3
1S/ 4E-11ACC
HOLE NAME: RDH-SDRV
DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
84.0	275.5	14.101	57.38	51.0	2.8
85.0	278.8	14.225	57.61	124.0	6.8
86.0	282.1	14.464	58.04	239.0	13.1
87.0	285.4	14.565	58.22	101.0	5.5
88.0	288.6	14.616	58.31	51.0	2.8
89.0	291.9	14.630	58.33	14.0	0.8
90.0	295.2	14.623	58.32	-7.0	-0.4
91.0	298.5	14.638	58.35	15.0	0.8
92.0	301.8	14.651	58.37	13.0	0.7
93.0	305.0	14.675	58.42	24.0	1.3
94.0	308.3	14.712	58.48	37.0	2.0
95.0	311.6	14.723	58.50	11.0	0.6
96.0	314.9	14.729	58.51	6.0	0.3
97.0	318.2	14.728	58.51	-1.0	-0.1
98.0	321.4	14.737	58.53	9.0	0.5
99.0	324.7	14.764	58.58	27.0	1.5
100.0	328.0	14.794	58.63	30.0	1.6
101.0	331.3	14.821	58.68	27.0	1.5
102.0	334.6	14.843	58.72	22.0	1.2
103.0	337.8	14.846	58.72	3.0	0.2
104.0	341.1	14.854	58.74	8.0	0.4
105.0	344.4	14.855	58.74	1.0	0.1
106.0	347.7	14.869	58.76	14.0	0.8
107.0	351.0	14.885	58.79	16.0	0.9
108.0	354.2	14.956	58.92	71.0	3.9
109.0	357.5	15.105	59.19	149.0	8.2
110.0	360.8	15.223	59.40	118.0	6.5
111.0	364.1	15.283	59.51	60.0	3.3
112.0	367.4	15.341	59.61	58.0	3.2
113.0	370.6	15.410	59.74	69.0	3.8
114.0	373.9	15.445	59.80	35.0	1.9
115.0	377.2	15.487	59.88	42.0	2.3
116.0	380.5	15.523	59.94	36.0	2.0
117.0	383.8	15.559	60.01	36.0	2.0
118.0	387.0	15.588	60.06	29.0	1.6
119.0	390.3	15.626	60.13	38.0	2.1
120.0	393.6	15.662	60.19	36.0	2.0
121.0	396.9	15.679	60.22	17.0	0.9
122.0	400.2	15.712	60.28	33.0	1.8
123.0	403.4	15.746	60.34	34.0	1.9
124.0	406.7	15.780	60.40	34.0	1.9

LOCATION: VANCOUVER AMS, ORE. PAGE 4
1S/ 4E-11ACC
HOLE NAME: RDH-SDRV
DATE MEASURED: 12/29/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
125.0	410.0	15.811	60.46	31.0	1.7
126.0	413.3	15.855	60.54	44.0	2.4
127.0	416.6	15.894	60.61	39.0	2.1
128.0	419.8	15.946	60.70	52.0	2.9
129.0	423.1	15.986	60.77	40.0	2.2
130.0	426.4	16.054	60.90	68.0	3.7
131.0	429.7	16.107	60.99	53.0	2.9
132.0	433.0	16.171	61.11	64.0	3.5
133.0	436.2	16.225	61.21	54.0	3.0
134.0	439.5	16.285	61.31	60.0	3.3
135.0	442.8	16.325	61.38	40.0	2.2
136.0	446.1	16.370	61.47	45.0	2.5
137.0	449.4	16.399	61.52	29.0	1.6
138.0	452.6	16.445	61.60	46.0	2.5
139.0	455.9	16.478	61.66	33.0	1.8
140.0	459.2	16.515	61.73	37.0	2.0
141.0	462.5	16.563	61.81	48.0	2.6
142.0	465.8	16.609	61.90	46.0	2.5
143.0	469.0	16.640	61.95	31.0	1.7
144.0	472.3	16.671	62.01	31.0	1.7
145.0	475.6	16.703	62.07	32.0	1.8
146.0	478.9	16.730	62.11	27.0	1.5
147.0	482.2	16.759	62.17	29.0	1.6
148.0	485.4	16.798	62.24	39.0	2.1
149.0	488.7	16.825	62.29	27.0	1.5
150.0	492.0	16.855	62.34	30.0	1.6
151.0	495.3	16.892	62.41	37.0	2.0
152.0	498.6	16.913	62.44	21.0	1.2


TEMPERATURE, DEG C
0
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DEPTH, METERS
0
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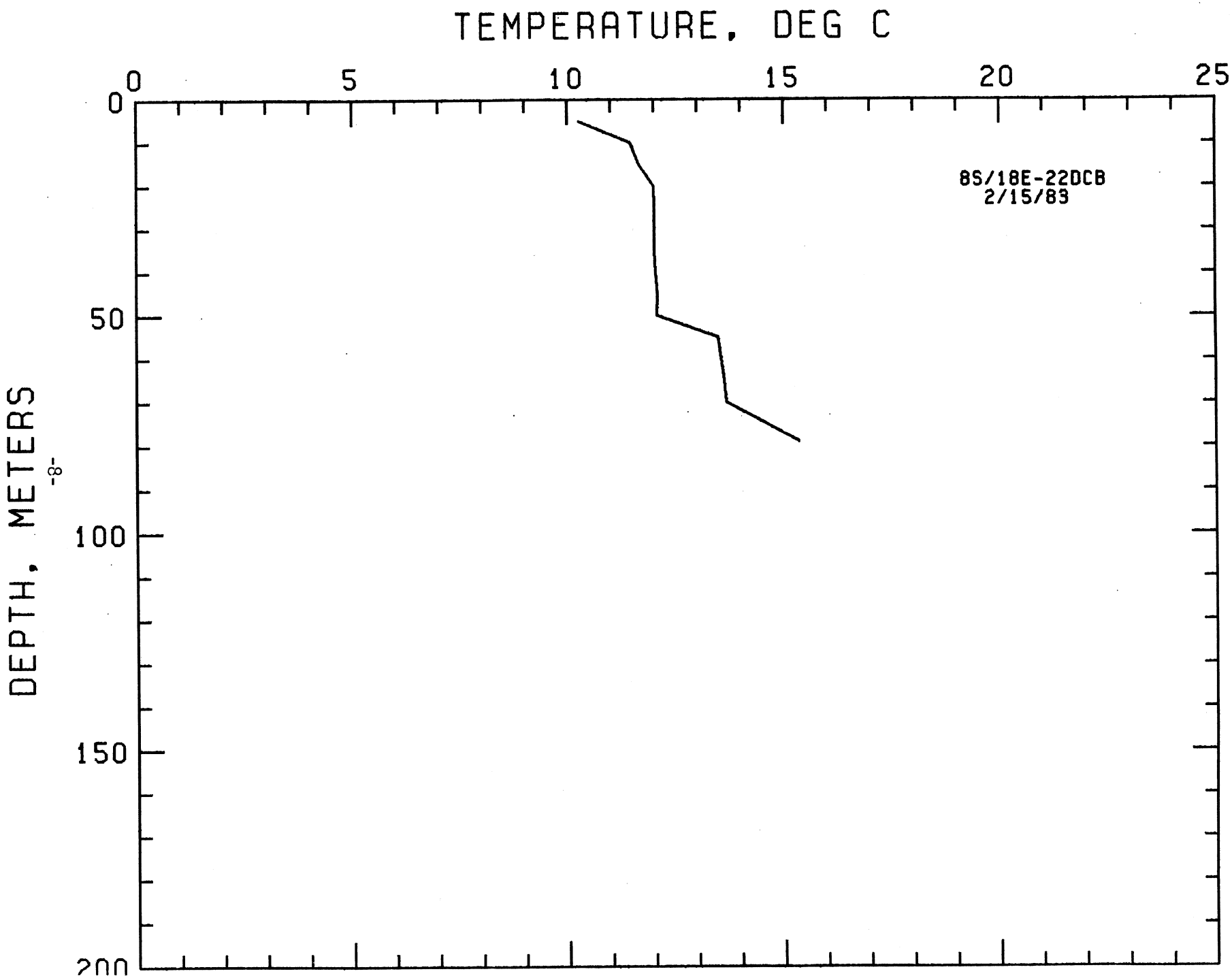
100
150
200
8S/18E-15DAC
2/15/83

LOCATION: BEND AMS OREGON
T/R-S: 8S/18E-15DAC
HOLE NAME: RAJ-M3
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
35.0	15.460	0.0
40.0	15.410	-10.0
45.0	15.640	46.0
50.0	15.760	24.0
55.0	15.810	10.0
60.0	16.000	38.0
65.0	16.250	50.0
70.0	16.410	32.0
75.0	16.510	20.0
80.0	16.530	4.0
85.0	17.160	126.0
90.0	17.510	70.0
95.0	17.560	10.0
100.0	17.790	46.0
105.0	17.910	24.0
110.0	18.110	40.0
115.0	18.320	42.0
120.0	18.460	28.0
125.0	18.500	8.0
130.0	18.820	64.0
135.0	19.060	48.0
140.0	19.360	60.0
145.0	19.840	96.0
150.0	19.970	26.0
155.0	20.260	58.0
155.5	20.350	180.0


TEMPERATURE, DEG C
0
5
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15
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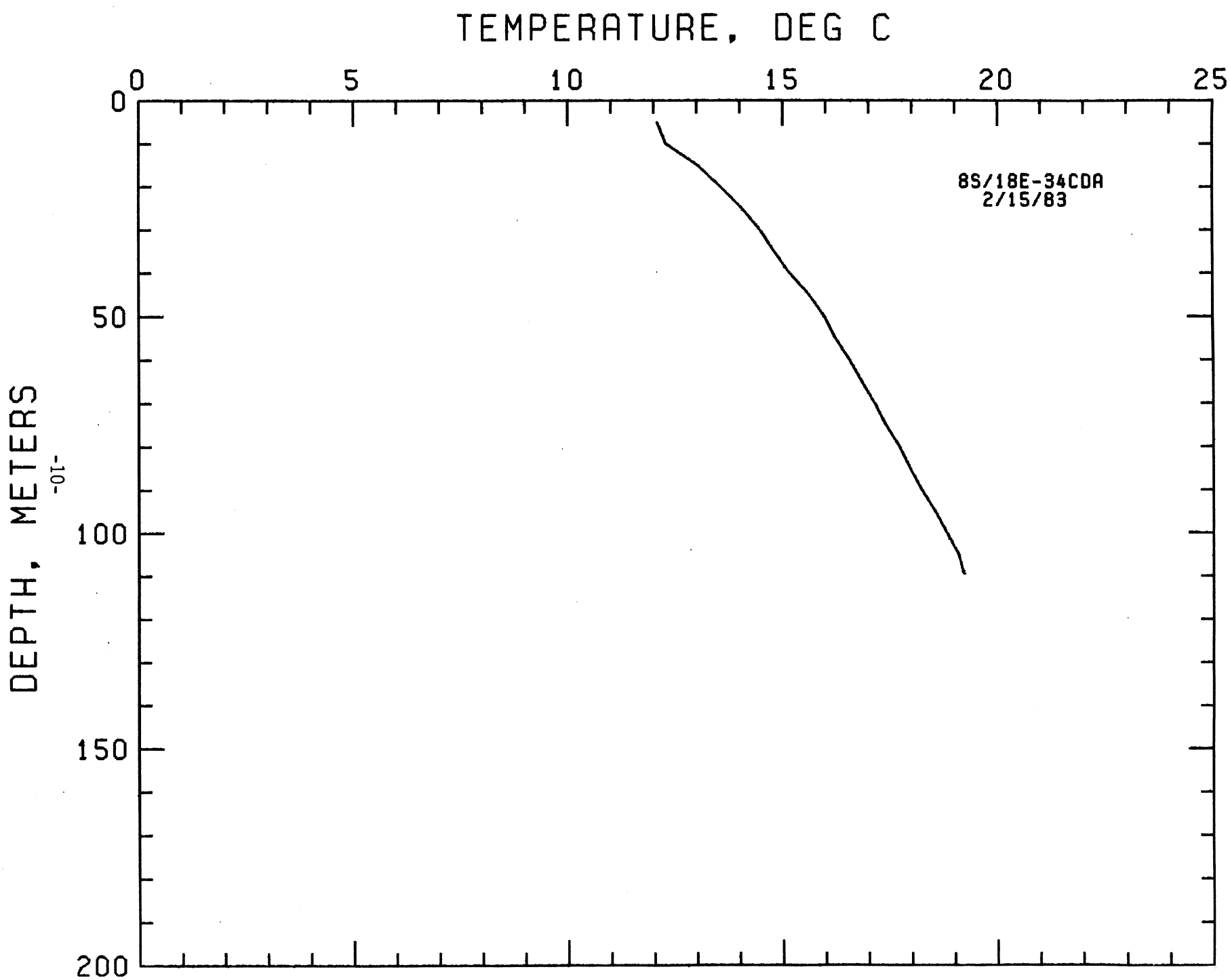
25
DEPTH, METERS
0
50
100
150
200
8S/18E-22DCB
2/15/83

LOCATION: BEND AMS OREGON
T/R-S: 8S/18E-22DCB
HOLE NAME: RAJ-M2
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	10.260	0.0
10.0	11.450	238.0
15.0	11.650	40.0
20.0	12.000	70.0
25.0	12.010	2.0
30.0	12.020	2.0
35.0	12.020	0.0
40.0	12.040	4.0
45.0	12.080	8.0
50.0	12.070	-2.0
55.0	13.480	282.0
60.0	13.560	16.0
65.0	13.630	14.0
70.0	13.670	8.0
75.0	14.610	188.0
79.0	15.360	187.5


TEMPERATURE, DEG C
0
5
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15
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25
DEPTH, METERS
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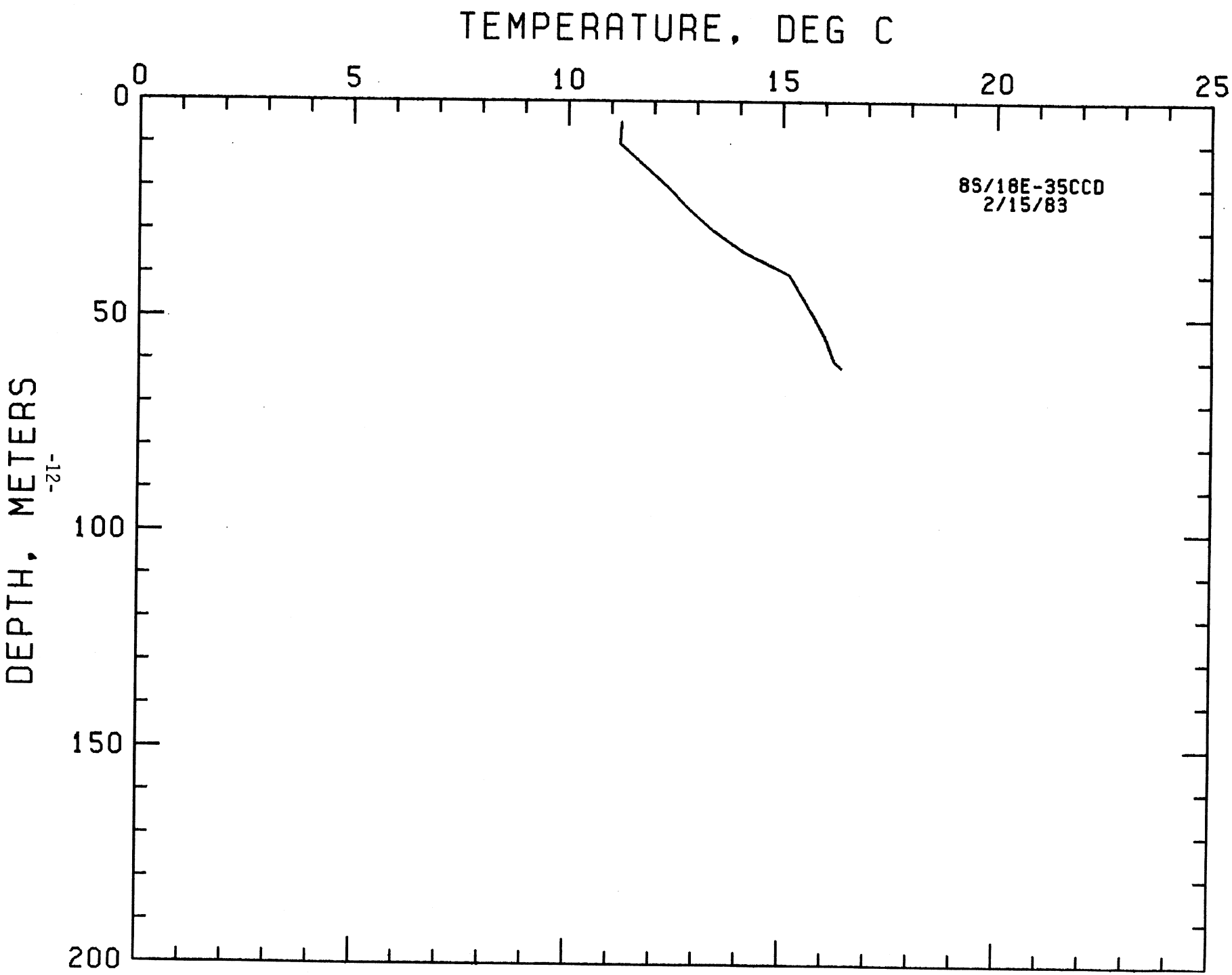
50
100
150
200
8S/18E-34CDA
2/15/83

LOCATION: BEND AMS OREGON
T/R-S: 8S/18E-34CDA
HOLE NAME: RAJ-20
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	12.080	0.0
10.0	12.280	40.0
15.0	13.030	150.0
20.0	13.550	104.0
25.0	14.050	100.0
30.0	14.470	84.0
35.0	14.800	66.0
40.0	15.150	70.0
45.0	15.620	94.0
50.0	15.970	70.0
55.0	16.230	52.0
60.0	16.550	64.0
65.0	16.840	58.0
70.0	17.140	60.0
75.0	17.400	52.0
80.0	17.710	62.0
85.0	17.960	50.0
90.0	18.230	54.0
95.0	18.540	62.0
100.0	18.810	54.0
105.0	19.090	56.0
109.5	19.220	28.9


TEMPERATURE, DEG C
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DEPTH, METERS
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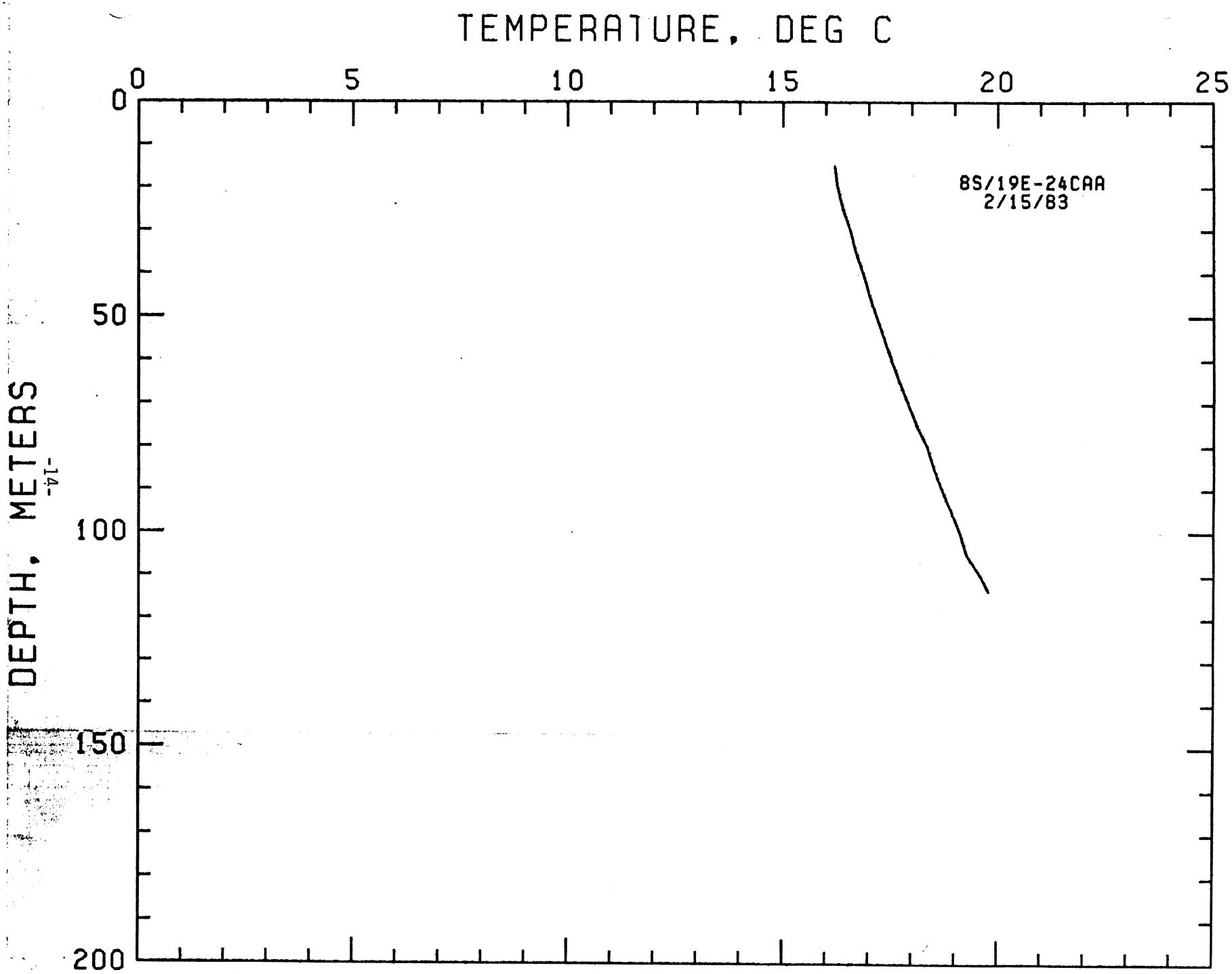
200
8S/18E-35CCD
2/15/83

LOCATION: BEND AMS OREGON
T/R-S: 8S/18E-35CCD
HOLE NAME: RAJ-D3
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	11.230	0.0
10.0	11.200	-6.0
15.0	11.770	114.0
20.0	12.330	112.0
25.0	12.820	98.0
30.0	13.390	114.0
35.0	14.120	146.0
40.0	15.160	208.0
45.0	15.450	58.0
50.0	15.750	60.0
55.0	16.030	56.0
60.0	16.210	36.0
61.5	16.390	120.0


TEMPERATURE, DEG C
0
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DEPTH, METERS
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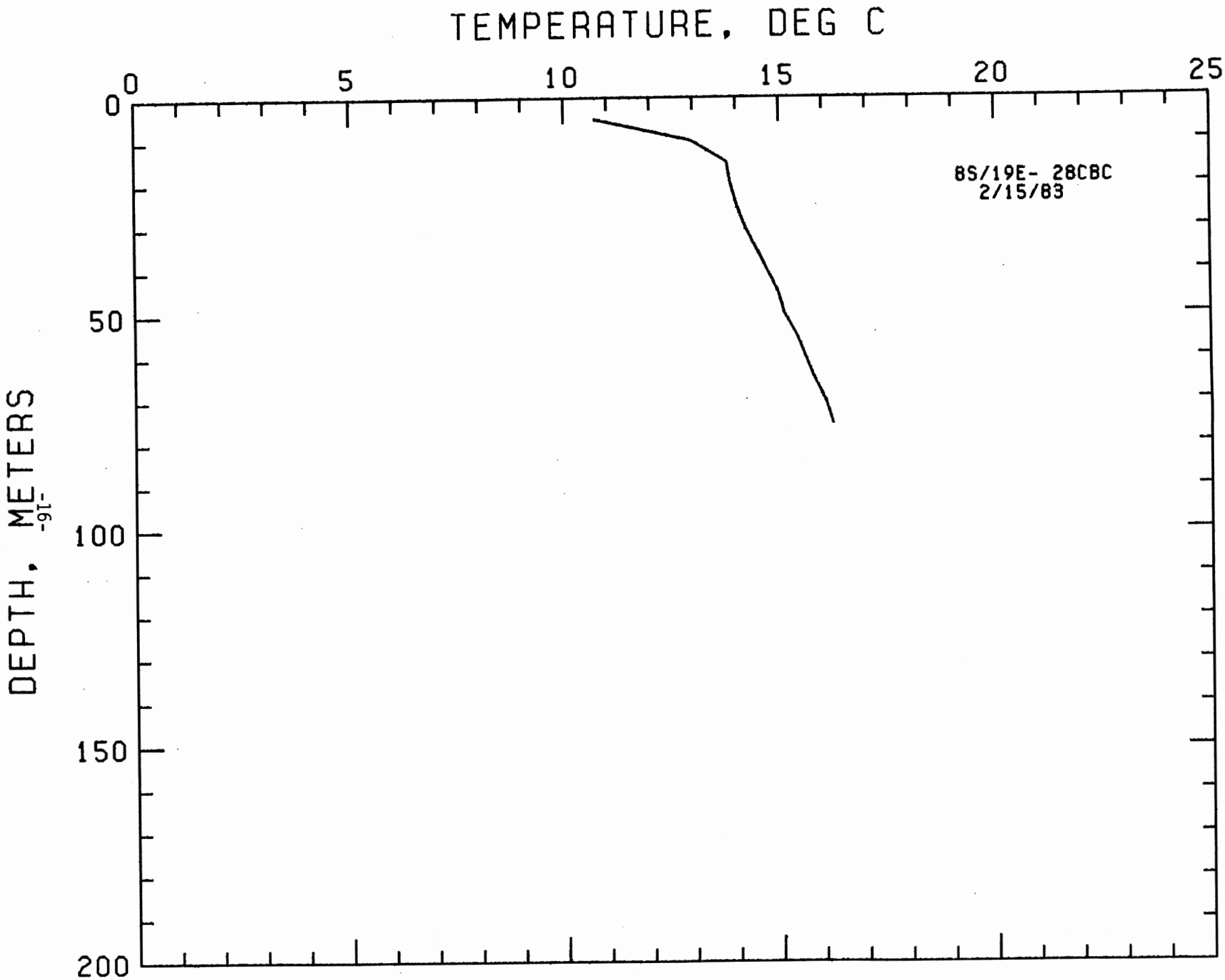
8S/19E-24CAA
2/15/83

LOCATION: BEND AMS OREGON
T/R-S: 8S/19E-24CAA
HOLE NAME: RAJ-23
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
15.0	16.200	0.0
20.0	16.270	14.0
25.0	16.400	26.0
30.0	16.570	34.0
35.0	16.700	26.0
40.0	16.870	34.0
45.0	17.020	30.0
50.0	17.190	34.0
55.0	17.360	34.0
60.0	17.530	34.0
65.0	17.710	36.0
70.0	17.920	42.0
75.0	18.120	40.0
80.0	18.360	48.0
85.0	18.510	30.0
90.0	18.700	38.0
95.0	18.910	42.0
100.0	19.120	42.0
105.0	19.270	30.0
110.0	19.600	66.0
113.5	19.780	51.4


TEMPERATURE, DEG C
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DEPTH, METERS
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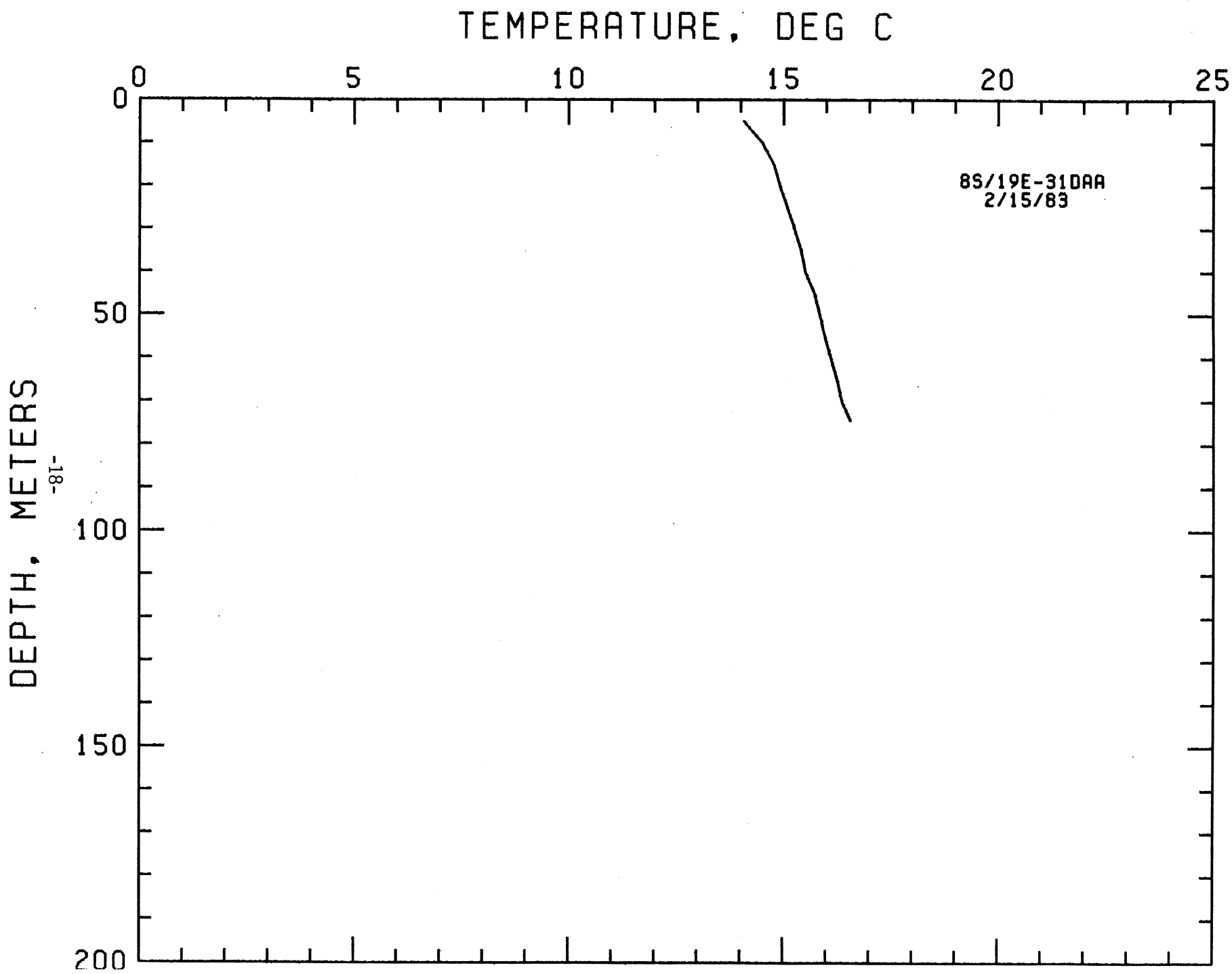
100
150
200
8S/19E- 28CBC
2/15/83

LOCATION: BEND AMS, OREGON
T/R-S: 8S/19E- 28CBC
HOLE NAME: RAJ-19
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	10.710	0.0
10.0	12.950	448.0
15.0	13.790	168.0
20.0	13.870	16.0
25.0	14.010	28.0
30.0	14.200	38.0
35.0	14.450	50.0
40.0	14.710	52.0
45.0	14.960	50.0
50.0	15.100	28.0
55.0	15.390	58.0
60.0	15.590	40.0
65.0	15.790	40.0
70.0	16.040	50.0
75.0	16.200	32.0
75.5	16.210	20.0


TEMPERATURE, DEG C
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5
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15
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25
DEPTH, METERS
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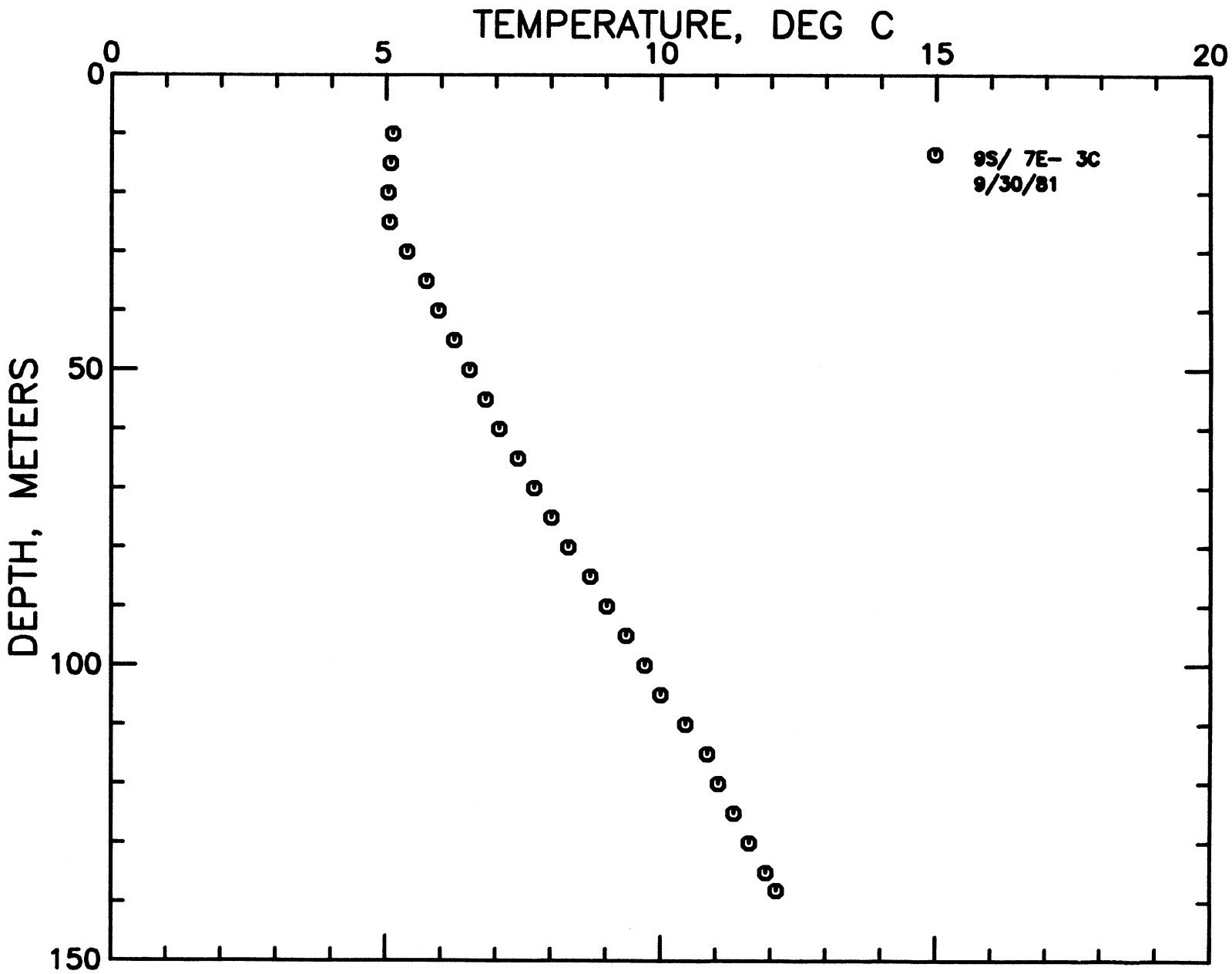
50
100
150
200
8S/19E-31DAA
2/15/83

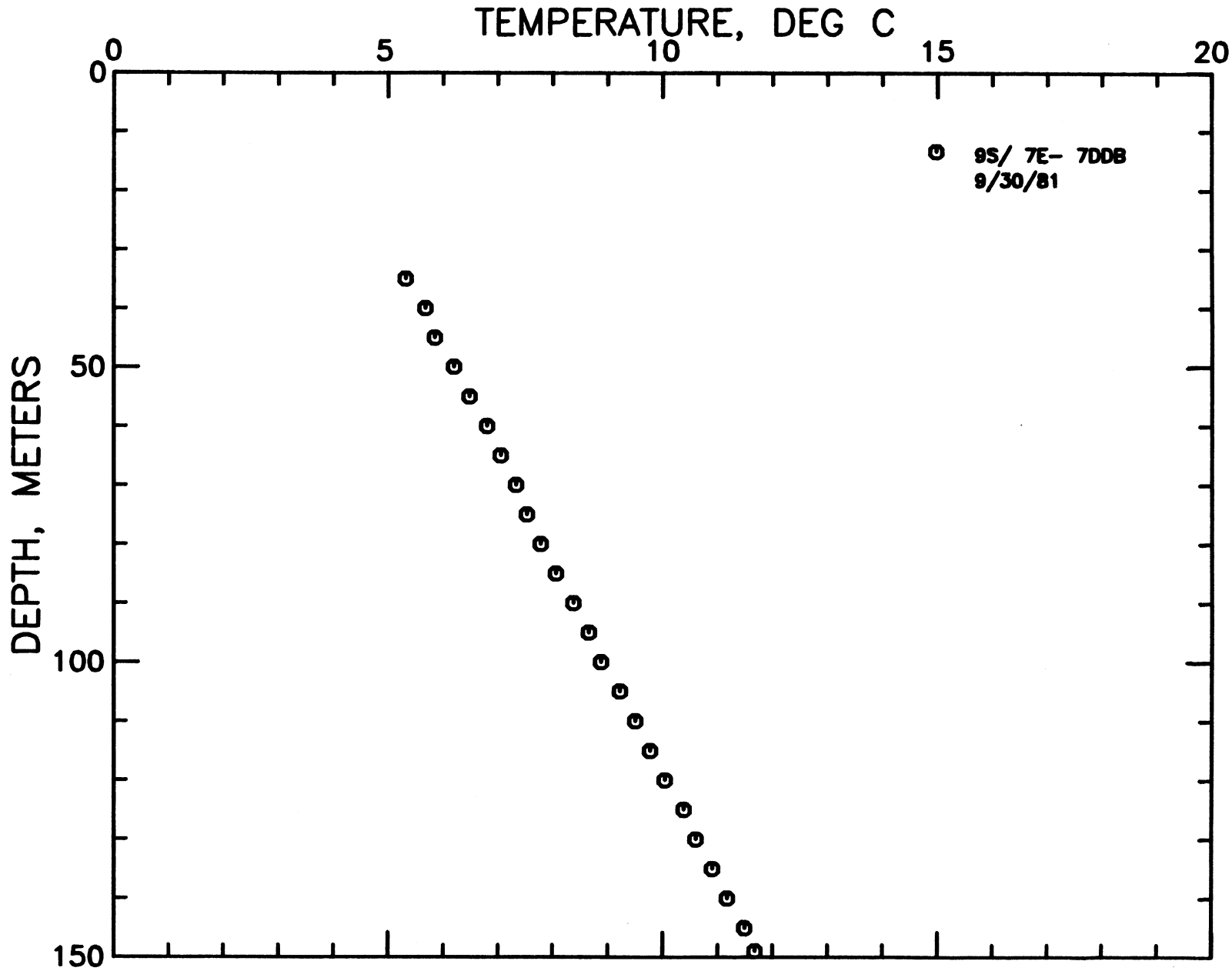
LOCATION: BEND AMS OREGON
T/R-S: 8S/19E-31DAA
HOLE NAME: RAJ-257
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	14.070	0.0
10.0	14.500	86.0
15.0	14.770	54.0
20.0	14.910	28.0
25.0	15.080	34.0
30.0	15.260	36.0
35.0	15.410	30.0
40.0	15.520	22.0
45.0	15.730	42.0
50.0	15.850	24.0
55.0	15.970	24.0
60.0	16.120	30.0
65.0	16.250	26.0
70.0	16.370	24.0
74.5	16.570	44.4


TEMPERATURE, DEG C
0
5
10
15
20
DEPTH, METERS
0
50
100
150
9S/ 7E- 3C
9/30/81

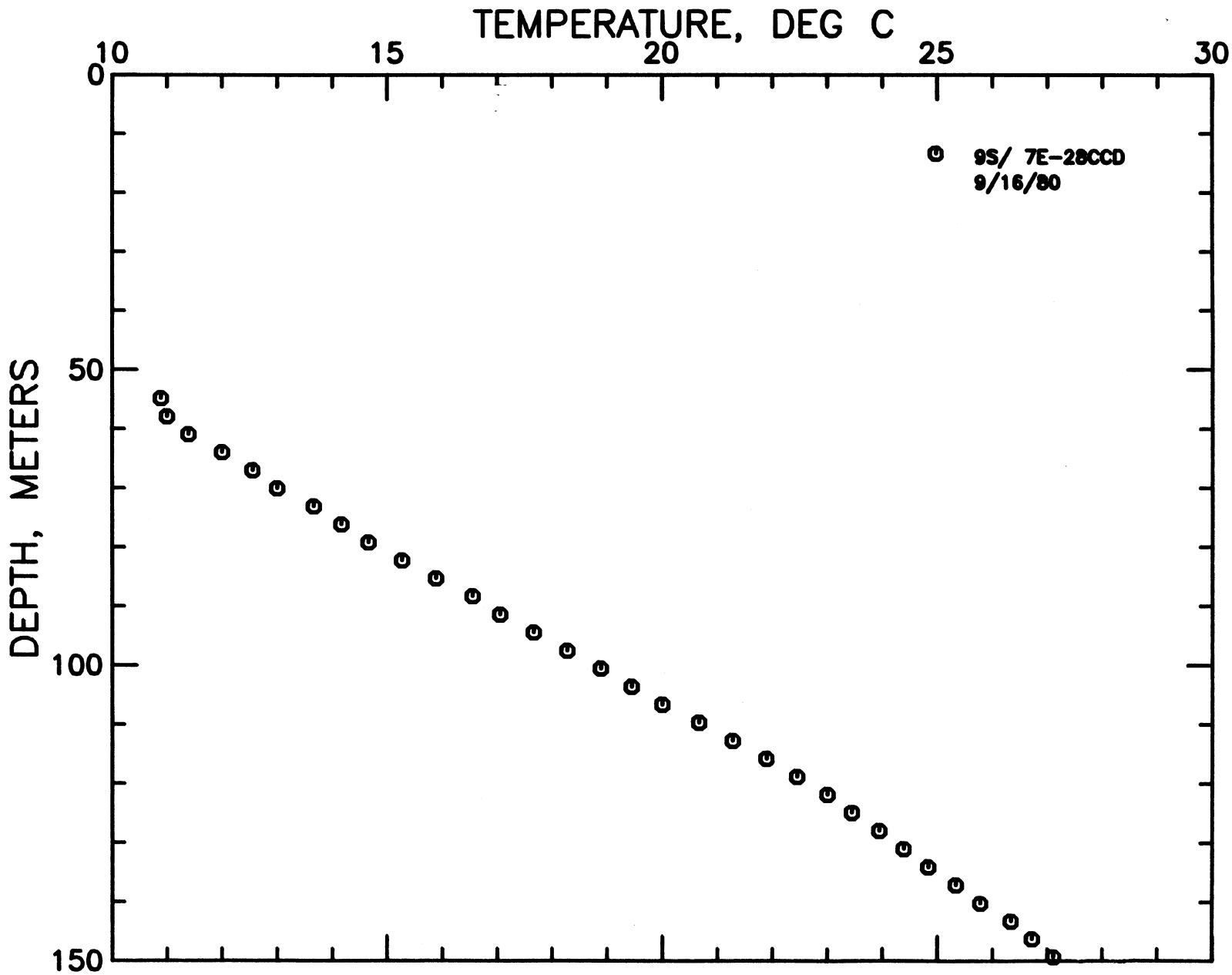
LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E- 3C
HOLE NAME: SUN-BRA1
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	5.120	41.22	0.0	0.0
15.0	49.2	5.080	41.14	-8.0	-0.4
20.0	65.6	5.040	41.07	-8.0	-0.4
25.0	82.0	5.060	41.11	4.0	0.2
30.0	98.4	5.380	41.68	64.0	3.5
35.0	114.8	5.730	42.31	70.0	3.8
40.0	131.2	5.950	42.71	44.0	2.4
45.0	147.6	6.240	43.23	58.0	3.2
50.0	164.0	6.520	43.74	56.0	3.1
55.0	180.4	6.810	44.26	58.0	3.2
60.0	196.9	7.060	44.71	50.0	2.7
65.0	213.3	7.400	45.32	68.0	3.7
70.0	229.7	7.700	45.86	60.0	3.3
75.0	246.1	8.010	46.42	62.0	3.4
80.0	262.5	8.320	46.98	62.0	3.4
85.0	278.9	8.720	47.70	80.0	4.4
90.0	295.3	9.020	48.24	60.0	3.3
95.0	311.7	9.370	48.87	70.0	3.8
100.0	328.1	9.710	49.48	68.0	3.7
105.0	344.5	10.000	50.00	58.0	3.2
110.0	360.9	10.450	50.81	90.0	4.9
115.0	377.3	10.850	51.53	80.0	4.4
120.0	393.7	11.050	51.89	40.0	2.2
125.0	410.1	11.330	52.39	56.0	3.1
130.0	426.5	11.610	52.90	56.0	3.1
135.0	442.9	11.910	53.44	60.0	3.3
138.0	452.8	12.100	53.78	63.3	3.5


TEMPERATURE, DEG C
0
5
10
15
20
DEPTH, METERS
0
50
100
150
9S/ 7E- 7DDB
9/30/81

LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E- 7DDB
HOLE NAME: SUN-BR5
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
35.0	114.8	5.320	41.58	0.0	0.0
40.0	131.2	5.680	42.22	72.0	4.0
45.0	147.6	5.850	42.53	34.0	1.9
50.0	164.0	6.200	43.16	70.0	3.8
55.0	180.4	6.480	43.66	56.0	3.1
60.0	196.9	6.800	44.24	64.0	3.5
65.0	213.3	7.050	44.69	50.0	2.7
70.0	229.7	7.330	45.19	56.0	3.1
75.0	246.1	7.530	45.55	40.0	2.2
80.0	262.5	7.780	46.00	50.0	2.7
85.0	278.9	8.060	46.51	56.0	3.1
90.0	295.3	8.380	47.08	64.0	3.5
95.0	311.7	8.660	47.59	56.0	3.1
100.0	328.1	8.880	47.98	44.0	2.4
105.0	344.5	9.220	48.60	68.0	3.7
110.0	360.9	9.500	49.10	56.0	3.1
115.0	377.3	9.770	49.59	54.0	3.0
120.0	393.7	10.040	50.07	54.0	3.0
125.0	410.1	10.380	50.68	68.0	3.7
130.0	426.5	10.600	51.08	44.0	2.4
135.0	442.9	10.900	51.62	60.0	3.3
140.0	459.3	11.170	52.11	54.0	3.0
145.0	475.7	11.490	52.68	64.0	3.5
149.0	488.8	11.680	53.02	47.5	2.6

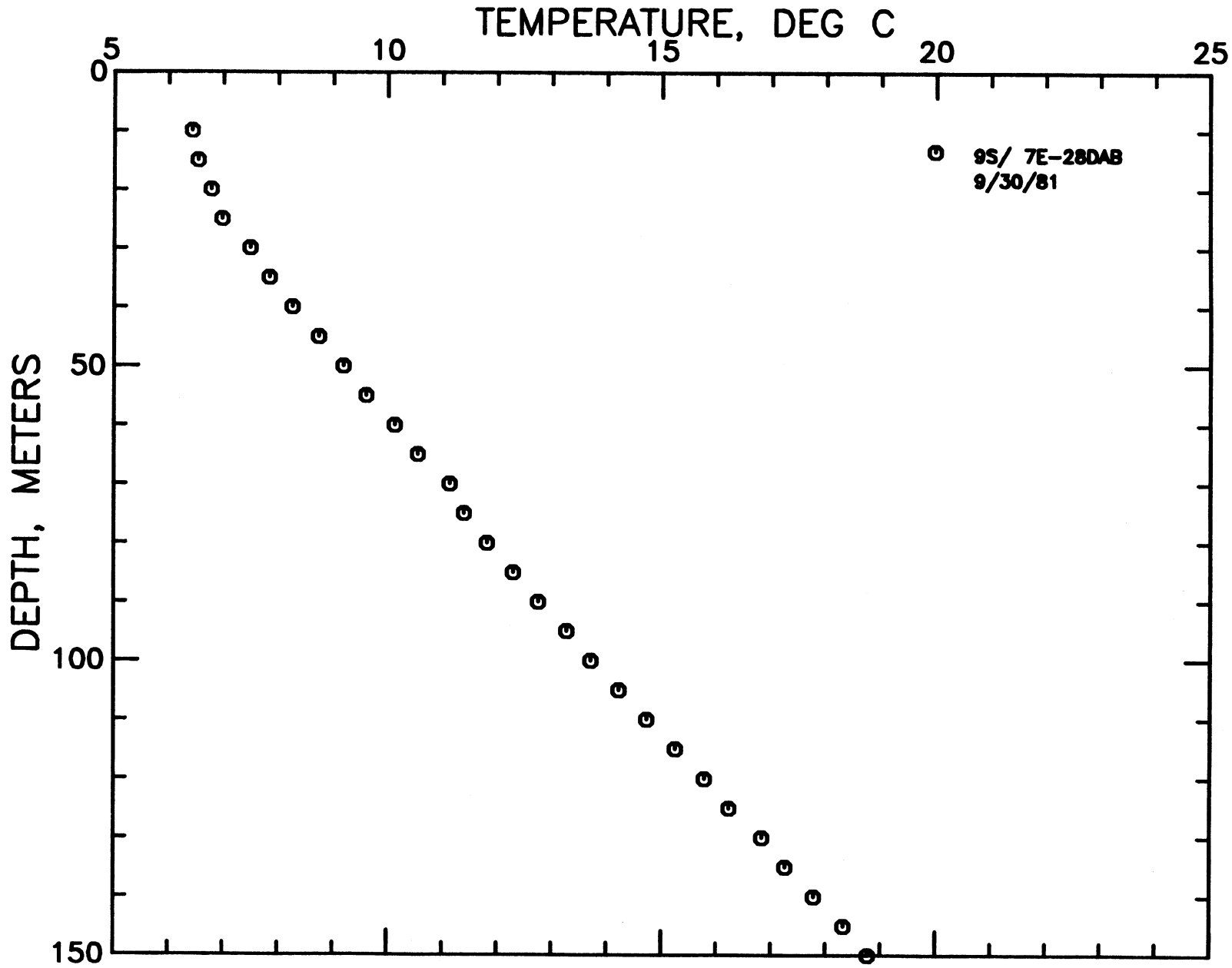

TEMPERATURE, DEG C
10
15
20
25
30
DEPTH, METERS
0
50
100
150
9S/ 7E-28CCD
9/16/80

LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E-28CCD
HOLE NAME: SUN-BR11
DATE MEASURED: 9/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
3.0	10.0	17.111	62.80	0.0	0.0
6.1	20.0	16.167	61.10	-309.9	-17.0
9.1	30.0	15.500	59.90	-218.7	-12.0
12.2	40.0	14.778	58.60	-236.9	-13.0
15.2	50.0	14.278	57.70	-164.0	-9.0
18.3	60.0	13.722	56.70	-182.3	-10.0
21.3	70.0	13.278	55.90	-145.8	-8.0
24.4	80.0	12.889	55.20	-127.6	-7.0
27.4	90.0	12.611	54.70	-91.1	-5.0
30.5	100.0	12.444	54.40	-54.7	-3.0
33.5	110.0	12.222	54.00	-72.9	-4.0
36.6	120.0	12.111	53.80	-36.5	-2.0
39.6	130.0	11.944	53.50	-54.7	-3.0
42.7	140.0	11.889	53.40	-18.2	-1.0
45.7	150.0	11.889	53.40	0.0	0.0
48.8	160.0	11.889	53.40	0.0	0.0
51.8	170.0	11.833	53.30	-18.2	-1.0
54.9	180.0	10.889	51.60	-309.9	-17.0
57.9	190.0	11.000	51.80	36.5	2.0
61.0	200.0	11.389	52.50	127.6	7.0
64.0	210.0	12.000	53.60	200.5	11.0
67.1	220.0	12.556	54.60	182.3	10.0
70.1	230.0	13.000	55.40	145.8	8.0
73.2	240.0	13.667	56.60	218.7	12.0
76.2	250.0	14.167	57.50	164.0	9.0
79.2	260.0	14.667	58.40	164.0	9.0
82.3	270.0	15.278	59.50	200.5	11.0
85.3	280.0	15.889	60.60	200.5	11.0
88.4	290.0	16.556	61.80	218.7	12.0
91.4	300.0	17.056	62.70	164.0	9.0
94.5	310.0	17.667	63.80	200.5	11.0
97.5	320.0	18.278	64.90	200.5	11.0
100.6	330.0	18.889	66.00	200.5	11.0
103.6	340.0	19.444	67.00	182.3	10.0
106.7	350.0	20.000	68.00	182.3	10.0
109.7	360.0	20.667	69.20	218.7	12.0
112.8	370.0	21.278	70.30	200.5	11.0
115.8	380.0	21.889	71.40	200.5	11.0
118.9	390.0	22.444	72.40	182.3	10.0
121.9	400.0	23.000	73.40	182.3	10.0
125.0	410.0	23.444	74.20	145.8	8.0

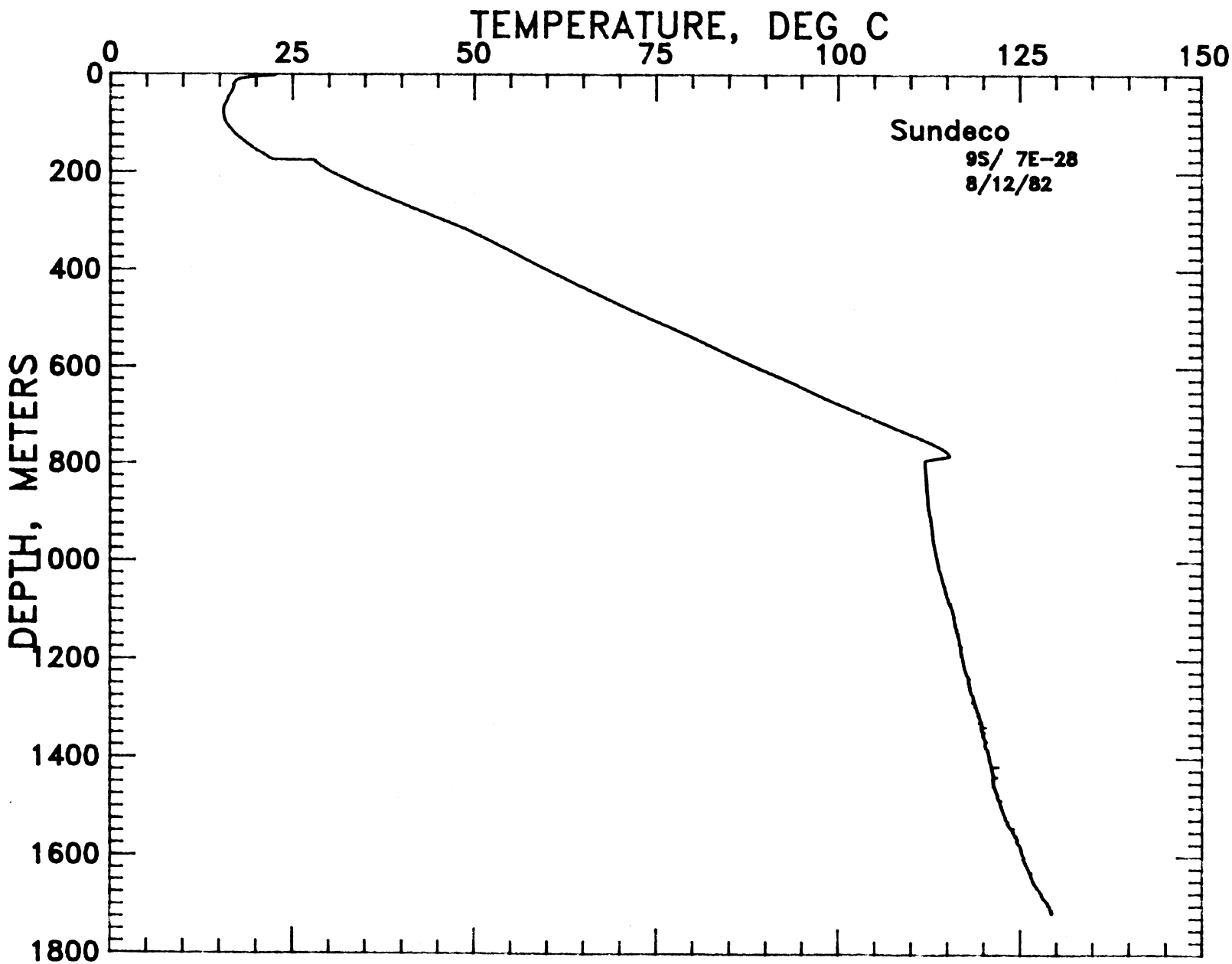
LOCATION: BEND AMS, ORE. PAGE 2
T/R-S: 9S/ 7E-28CCD
HOLE NAME: SUN-BR11
DATE MEASURED: 9/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
128.0	420.0	23.944	75.10	164.0	9.0
131.1	430.0	24.389	75.90	145.8	8.0
134.1	440.0	24.833	76.70	145.8	8.0
137.2	450.0	25.333	77.60	164.0	9.0
140.2	460.0	25.778	78.40	145.8	8.0
143.3	470.0	26.333	79.40	182.3	10.0
146.3	480.0	26.722	80.10	127.6	7.0
149.4	490.0	27.111	80.80	127.6	7.0
152.4	500.0	27.222	81.00	36.5	2.0


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
9S/ 7E-28DAB
9/30/81

LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E-28DAB
HOLE NAME: SUN-BR10
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	6.430	43.57	0.0	0.0
15.0	49.2	6.540	43.77	22.0	1.2
20.0	65.6	6.780	44.20	48.0	2.6
25.0	82.0	6.980	44.56	40.0	2.2
30.0	98.4	7.490	45.48	102.0	5.6
35.0	114.8	7.840	46.11	70.0	3.8
40.0	131.2	8.260	46.87	84.0	4.6
45.0	147.6	8.740	47.73	96.0	5.3
50.0	164.0	9.190	48.54	90.0	4.9
55.0	180.4	9.610	49.30	84.0	4.6
60.0	196.9	10.130	50.23	104.0	5.7
65.0	213.3	10.550	50.99	84.0	4.6
70.0	229.7	11.130	52.03	116.0	6.4
75.0	246.1	11.390	52.50	52.0	2.9
80.0	262.5	11.810	53.26	84.0	4.6
85.0	278.9	12.290	54.12	96.0	5.3
90.0	295.3	12.750	54.95	92.0	5.0
95.0	311.7	13.270	55.89	104.0	5.7
100.0	328.1	13.710	56.68	88.0	4.8
105.0	344.5	14.220	57.60	102.0	5.6
110.0	360.9	14.730	58.51	102.0	5.6
115.0	377.3	15.250	59.45	104.0	5.7
120.0	393.7	15.780	60.40	106.0	5.8
125.0	410.1	16.230	61.21	90.0	4.9
130.0	426.5	16.830	62.29	120.0	6.6
135.0	442.9	17.250	63.05	84.0	4.6
140.0	459.3	17.780	64.00	106.0	5.8
145.0	475.7	18.320	64.98	108.0	5.9
150.0	492.1	18.770	65.79	90.0	4.9
152.5	500.3	19.050	66.29	112.0	6.1


TEMPERATURE, DEG C
0
25
50
75
100
125
150
DEPTH, METERS
0
200
400
600
800
1000
1200
1400
1600
1800
Sundeco
9S/ 7E-28
8/12/82

LOCATION: OREGON
9S/ 7E-28
HOLE NAME: FED58-28
DATE MEASURED: 8/12/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT	DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	16.4	20.387	68.70	0.0	0.0	210.0	688.8	31.729	89.11	131.2	7.2
10.0	32.8	17.857	64.14	-506.0	-27.8	215.0	705.2	32.447	90.40	143.6	7.9
15.0	49.2	17.194	62.95	-132.6	-7.3	220.0	721.6	33.182	91.73	147.0	8.1
20.0	65.6	16.879	62.38	-63.0	-3.5	225.0	738.0	33.912	93.04	146.0	8.0
25.0	82.0	16.904	62.43	5.0	0.3	230.0	754.4	34.541	94.17	125.8	6.9
30.0	98.4	16.830	62.29	-14.8	-0.8	235.0	770.8	35.380	95.68	167.8	9.2
35.0	114.8	16.686	62.03	-28.8	-1.6	240.0	787.2	36.166	97.10	157.2	8.6
40.0	131.2	16.462	61.63	-44.8	-2.5	245.0	803.6	37.006	98.61	168.0	9.2
45.0	147.6	16.210	61.18	-50.4	-2.8	250.0	820.0	37.719	99.89	142.6	7.8
50.0	164.0	16.081	60.95	-25.8	-1.4	255.0	836.4	38.503	101.31	156.8	8.6
55.0	180.4	15.963	60.73	-23.6	-1.3	260.0	852.8	39.341	102.81	167.6	9.2
60.0	196.8	15.817	60.47	-29.2	-1.6	265.0	869.2	40.183	104.33	168.4	9.2
65.0	213.2	15.597	60.07	-44.0	-2.4	270.0	885.6	41.077	105.94	178.8	9.8
70.0	229.6	15.507	59.91	-18.0	-1.0	275.0	902.0	41.852	107.33	155.0	8.5
75.0	246.0	15.476	59.86	-6.2	-0.3	280.0	918.4	42.681	108.83	165.8	9.1
80.0	262.4	15.497	59.89	4.2	0.2	285.0	934.8	43.586	110.45	181.0	9.9
85.0	278.8	15.551	59.99	10.8	0.6	290.0	951.2	44.390	111.90	160.8	8.8
90.0	295.2	15.641	60.15	18.0	1.0	295.0	967.6	45.382	113.69	198.4	10.9
95.0	311.6	15.785	60.41	28.8	1.6	300.0	984.0	46.146	115.06	152.8	8.4
100.0	328.0	15.960	60.73	35.0	1.9	305.0	1000.4	46.947	116.50	160.2	8.8
105.0	344.4	16.178	61.12	43.6	2.4	310.0	1016.8	47.820	118.08	174.6	9.6
110.0	360.8	16.447	61.60	53.8	3.0	315.0	1033.2	48.637	119.55	163.4	9.0
115.0	377.2	16.744	62.14	59.4	3.3	320.0	1049.6	49.411	120.94	154.8	8.5
120.0	393.6	17.048	62.69	60.8	3.3	325.0	1066.0	50.094	122.17	136.6	7.5
125.0	410.0	17.397	63.31	69.8	3.8	330.0	1082.4	50.845	123.52	150.2	8.2
130.0	426.4	17.788	64.02	78.2	4.3	335.0	1098.8	51.495	124.69	130.0	7.1
135.0	442.8	18.220	64.80	86.4	4.7	340.0	1115.2	52.156	125.88	132.2	7.3
140.0	459.2	18.623	65.52	80.6	4.4	345.0	1131.6	52.909	127.24	150.6	8.3
145.0	475.6	19.094	66.37	94.2	5.2	350.0	1148.0	53.471	128.25	112.4	6.2
150.0	492.0	19.551	67.19	91.4	5.0	355.0	1164.4	54.162	129.49	138.2	7.6
155.0	508.4	20.027	68.05	95.2	5.2	360.0	1180.8	54.875	130.78	142.6	7.8
160.0	524.8	20.720	69.30	138.6	7.6	365.0	1197.2	55.581	132.05	141.2	7.7
165.0	541.2	21.148	70.07	85.6	4.7	370.0	1213.6	56.205	133.17	124.8	6.8
170.0	557.6	21.732	71.12	116.8	6.4	375.0	1230.0	56.792	134.23	117.4	6.4
175.0	574.0	27.618	81.71	1177.2	64.6	380.0	1246.4	57.469	135.44	135.4	7.4
180.0	590.4	28.315	82.97	139.4	7.7	385.0	1262.8	58.098	136.58	125.8	6.9
185.0	606.8	28.739	83.73	84.8	4.7	390.0	1279.2	58.823	137.88	145.0	8.0
190.0	623.2	29.267	84.68	105.6	5.8	395.0	1295.6	59.402	138.92	115.8	6.4
195.0	639.6	29.790	85.62	104.6	5.7	400.0	1312.0	60.151	140.27	149.8	8.2
200.0	656.0	30.442	86.80	130.4	7.2	405.0	1328.4	60.839	141.51	137.6	7.6
205.0	672.4	31.073	87.93	126.2	6.9	410.0	1344.8	61.476	142.66	127.4	7.0

LOCATION: OREGON
9S/ 7E-28
HOLE NAME: FED58-28
DATE MEASURED: 8/12/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT	DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
415.0	1361.2	62.204	143.97	145.6	8.0	620.0	2033.6	92.061	197.71	159.4	8.7
420.0	1377.6	62.834	145.10	126.0	6.9	625.0	2050.0	92.819	199.07	151.6	8.3
425.0	1394.0	63.577	146.44	148.6	8.2	630.0	2066.4	93.537	200.37	143.6	7.9
430.0	1410.4	64.218	147.59	128.2	7.0	635.0	2082.8	94.295	201.73	151.6	8.3
435.0	1426.8	64.951	148.91	146.6	8.0	640.0	2099.2	94.957	202.92	132.4	7.3
440.0	1443.2	65.633	150.14	136.4	7.5	645.0	2115.6	95.671	204.21	142.8	7.8
445.0	1459.6	66.321	151.38	137.6	7.6	650.0	2132.0	96.371	205.47	140.0	7.7
450.0	1476.0	67.077	152.74	151.2	8.3	655.0	2148.4	97.047	206.68	135.2	7.4
455.0	1492.4	67.767	153.98	138.0	7.6	660.0	2164.8	97.741	207.93	138.8	7.6
460.0	1508.8	68.435	155.18	133.6	7.3	665.0	2181.2	98.487	209.28	149.2	8.2
465.0	1525.2	69.138	156.45	140.6	7.7	670.0	2197.6	99.257	210.66	154.0	8.5
470.0	1541.6	69.848	157.73	142.0	7.8	675.0	2214.0	100.024	212.04	153.4	8.4
475.0	1558.0	70.561	159.01	142.6	7.8	680.0	2230.4	100.792	213.43	153.6	8.4
480.0	1574.4	71.303	160.35	148.4	8.1	685.0	2246.8	101.526	214.75	146.8	8.1
485.0	1590.8	72.018	161.63	143.0	7.8	690.0	2263.2	102.322	216.18	159.2	8.7
490.0	1607.2	72.820	163.08	160.4	8.8	695.0	2279.6	103.124	217.62	160.4	8.8
495.0	1623.6	73.595	164.47	155.0	8.5	700.0	2296.0	103.841	218.91	143.4	7.9
500.0	1640.0	74.332	165.80	147.4	8.1	705.0	2312.4	104.660	220.39	163.8	9.0
505.0	1656.4	75.125	167.23	158.6	8.7	710.0	2328.8	105.430	221.77	154.0	8.5
510.0	1672.8	75.776	168.40	130.2	7.1	715.0	2345.2	106.234	223.22	160.8	8.8
515.0	1689.2	76.652	169.97	175.2	9.6	720.0	2361.6	107.089	224.76	171.0	9.4
520.0	1705.6	77.339	171.21	137.4	7.5	725.0	2378.0	107.785	226.01	139.2	7.6
525.0	1722.0	78.146	172.66	161.4	8.9	730.0	2394.4	108.646	227.56	172.2	9.5
530.0	1738.4	78.821	173.88	135.0	7.4	735.0	2410.8	109.448	229.01	160.4	8.8
535.0	1754.8	79.552	175.19	146.2	8.0	740.0	2427.2	110.228	230.41	156.0	8.6
540.0	1771.2	80.314	176.57	152.4	8.4	745.0	2443.6	111.151	232.07	184.6	10.1
545.0	1787.6	81.045	177.88	146.2	8.0	750.0	2460.0	111.862	233.35	142.2	7.8
550.0	1804.0	81.773	179.19	145.6	8.0	755.0	2476.4	112.609	234.70	149.4	8.2
555.0	1820.4	82.449	180.41	135.2	7.4	760.0	2492.8	113.312	235.96	140.6	7.7
560.0	1836.8	83.098	181.58	129.8	7.1	765.0	2509.2	113.993	237.19	136.2	7.5
565.0	1853.2	83.827	182.89	145.8	8.0	770.0	2525.6	114.559	238.21	113.2	6.2
570.0	1869.6	84.563	184.21	147.2	8.1	775.0	2542.0	115.002	239.00	88.6	4.9
575.0	1886.0	85.229	185.41	133.2	7.3	780.0	2558.4	115.284	239.51	56.4	3.1
580.0	1902.4	85.947	186.70	143.6	7.9	785.0	2574.8	114.439	237.99	-169.0	-9.3
585.0	1918.8	86.709	188.08	152.4	8.4	790.0	2591.2	112.461	234.43	-395.6	-21.7
590.0	1935.2	87.431	189.38	144.4	7.9	795.0	2607.6	111.915	233.45	-109.2	-6.0
595.0	1951.6	88.124	190.62	138.6	7.6	800.0	2624.0	111.932	233.48	3.4	0.2
600.0	1968.0	88.915	192.05	158.2	8.7	805.0	2640.4	111.953	233.52	4.2	0.2
605.0	1984.4	89.647	193.36	146.4	8.0	810.0	2656.8	111.977	233.56	4.8	0.3
610.0	2000.8	90.434	194.78	157.4	8.6	815.0	2673.2	112.004	233.61	5.4	0.3
615.0	2017.2	91.264	196.28	166.0	9.1	820.0	2689.6	112.036	233.66	6.4	0.4

LOCATION: OREGON
9S/ 7E-28
HOLE NAME: FED58-28
DATE MEASURED: 8/12/82

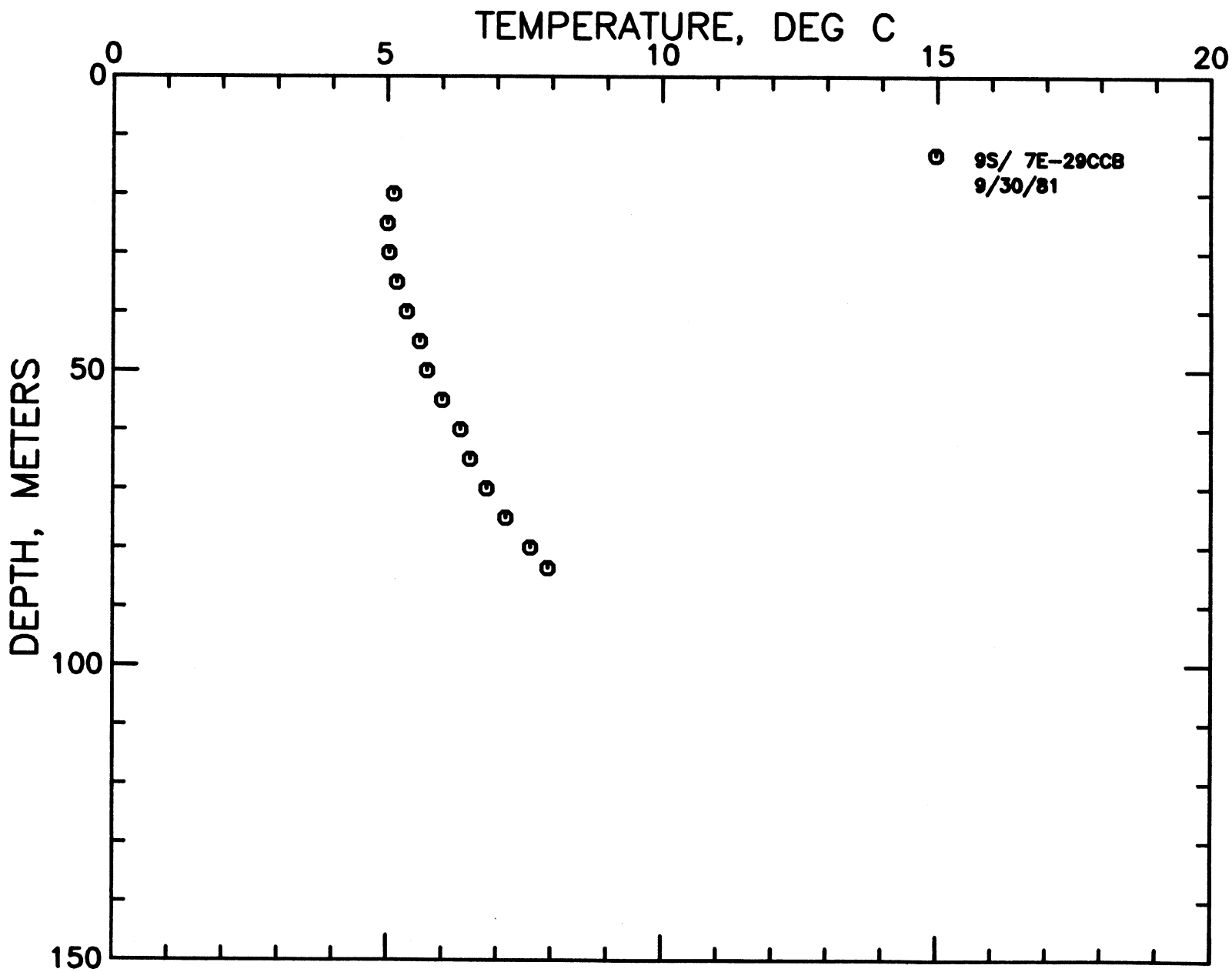
DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT	DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
825.0	2706.0	112.061	233.71	5.0	0.3	1030.0	3378.4	114.198	237.56	16.6	0.9
830.0	2722.4	112.091	233.76	6.0	0.3	1035.0	3394.8	114.298	237.74	20.0	1.1
835.0	2738.8	112.118	233.81	5.4	0.3	1040.0	3411.2	114.408	237.93	22.0	1.2
840.0	2755.2	112.145	233.86	5.4	0.3	1045.0	3427.6	114.515	238.13	21.4	1.2
845.0	2771.6	112.178	233.92	6.6	0.4	1050.0	3444.0	114.606	238.29	18.2	1.0
850.0	2788.0	112.199	233.96	4.2	0.2	1055.0	3460.4	114.691	238.44	17.0	0.9
855.0	2804.4	112.225	234.01	5.2	0.3	1060.0	3476.8	114.787	238.62	19.2	1.1
860.0	2820.8	112.278	234.10	10.6	0.6	1065.0	3493.2	114.887	238.80	20.0	1.1
865.0	2837.2	112.288	234.12	2.0	0.1	1070.0	3509.6	114.952	238.91	13.0	0.7
870.0	2853.6	112.322	234.18	6.8	0.4	1075.0	3526.0	115.101	239.18	29.8	1.6
875.0	2870.0	112.363	234.25	8.2	0.5	1080.0	3542.4	115.166	239.30	13.0	0.7
880.0	2886.4	112.347	234.22	-3.2	-0.2	1085.0	3558.8	115.309	239.56	28.6	1.6
885.0	2902.8	112.379	234.28	6.4	0.4	1090.0	3575.2	115.505	239.91	39.2	2.2
890.0	2919.2	112.419	234.35	8.0	0.4	1095.0	3591.6	115.624	240.12	23.8	1.3
895.0	2935.6	112.500	234.50	16.2	0.9	1100.0	3608.0	115.733	240.32	21.8	1.2
900.0	2952.0	112.544	234.58	8.8	0.5	1105.0	3624.4	115.775	240.40	8.4	0.5
905.0	2968.4	112.590	234.66	9.2	0.5	1110.0	3640.8	115.850	240.53	15.0	0.8
910.0	2984.8	112.714	234.89	24.8	1.4	1115.0	3657.2	115.899	240.62	9.8	0.5
915.0	3001.2	112.742	234.94	5.6	0.3	1120.0	3673.6	116.045	240.88	29.2	1.6
920.0	3017.6	112.793	235.03	10.2	0.6	1125.0	3690.0	116.075	240.94	6.0	0.3
925.0	3034.0	112.841	235.11	9.6	0.5	1130.0	3706.4	116.131	241.04	11.2	0.6
930.0	3050.4	112.891	235.20	10.0	0.5	1135.0	3722.8	116.243	241.24	22.4	1.2
935.0	3066.8	112.965	235.34	14.8	0.8	1140.0	3739.2	116.253	241.26	2.0	0.1
940.0	3083.2	112.957	235.32	-1.6	-0.1	1145.0	3755.6	116.370	241.47	23.4	1.3
945.0	3099.6	112.977	235.36	4.0	0.2	1150.0	3772.0	116.439	241.59	13.8	0.8
950.0	3116.0	113.020	235.44	8.6	0.5	1155.0	3788.4	116.611	241.90	34.4	1.9
955.0	3132.4	113.060	235.51	8.0	0.4	1160.0	3804.8	116.635	241.94	4.8	0.3
960.0	3148.8	113.101	235.58	8.2	0.5	1165.0	3821.2	116.708	242.07	14.6	0.8
965.0	3165.2	113.181	235.73	16.0	0.9	1170.0	3837.6	116.757	242.16	9.8	0.5
970.0	3181.6	113.242	235.84	12.2	0.7	1175.0	3854.0	116.823	242.28	13.2	0.7
975.0	3198.0	113.338	236.01	19.2	1.1	1180.0	3870.4	116.856	242.34	6.6	0.4
980.0	3214.4	113.398	236.12	12.0	0.7	1185.0	3886.8	116.888	242.40	6.4	0.4
985.0	3230.8	113.477	236.26	15.8	0.9	1190.0	3903.2	116.941	242.49	10.6	0.6
990.0	3247.2	113.549	236.39	14.4	0.8	1195.0	3919.6	117.118	242.81	35.4	1.9
995.0	3263.6	113.611	236.50	12.4	0.7	1200.0	3936.0	117.172	242.91	10.8	0.6
1000.0	3280.0	113.692	236.65	16.2	0.9	1205.0	3952.4	117.233	243.02	12.2	0.7
1005.0	3296.4	113.749	236.75	11.4	0.6	1210.0	3968.8	117.290	243.12	11.4	0.6
1010.0	3312.8	113.839	236.91	18.0	1.0	1215.0	3985.2	117.348	243.23	11.6	0.6
1015.0	3329.2	113.895	237.01	11.2	0.6	1220.0	4001.6	117.486	243.47	27.6	1.5
1020.0	3345.6	114.030	237.25	27.0	1.5	1225.0	4018.0	117.588	243.66	20.4	1.1
1025.0	3362.0	114.115	237.41	17.0	0.9	1230.0	4034.4	117.702	243.86	22.8	1.3

LOCATION: OREGON
9S/ 7E-28
HOLE NAME: FED58-28
DATE MEASURED: 8/12/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT	DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
1235.0	4050.8	117.895	244.21	38.6	2.1	1440.0	4723.2	121.276	250.30	-12.4	-0.7
1240.0	4067.2	117.907	244.23	2.4	0.1	1445.0	4739.6	121.294	250.33	3.6	0.2
1245.0	4083.6	117.985	244.37	15.6	0.9	1450.0	4756.0	121.348	250.43	10.8	0.6
1250.0	4100.0	118.039	244.47	10.8	0.6	1455.0	4772.4	121.492	250.69	28.8	1.6
1255.0	4116.4	118.148	244.67	21.8	1.2	1460.0	4788.8	121.522	250.74	6.0	0.3
1260.0	4132.8	118.213	244.78	13.0	0.7	1465.0	4805.2	121.703	251.07	36.2	2.0
1265.0	4149.2	118.300	244.94	17.4	1.0	1470.0	4821.6	121.863	251.35	32.0	1.8
1270.0	4165.6	118.394	245.11	18.8	1.0	1475.0	4838.0	121.987	251.58	24.8	1.4
1275.0	4182.0	118.575	245.44	36.2	2.0	1480.0	4854.4	122.001	251.60	2.8	0.2
1280.0	4198.4	118.652	245.57	15.4	0.8	1485.0	4870.8	122.408	252.33	81.4	4.5
1285.0	4214.8	118.627	245.53	-5.0	-0.3	1490.0	4887.2	122.284	252.11	-24.8	-1.4
1290.0	4231.2	118.867	245.96	48.0	2.6	1495.0	4903.6	122.360	252.25	15.2	0.8
1295.0	4247.6	118.982	246.17	23.0	1.3	1500.0	4920.0	122.493	252.49	26.6	1.5
1300.0	4264.0	119.028	246.25	9.2	0.5	1505.0	4936.4	122.602	252.68	21.8	1.2
1305.0	4280.4	119.171	246.51	28.6	1.6	1510.0	4952.8	122.730	252.91	25.6	1.4
1310.0	4296.8	119.323	246.78	30.4	1.7	1515.0	4969.2	122.898	253.22	33.6	1.8
1315.0	4313.2	119.459	247.03	27.2	1.5	1520.0	4985.6	123.002	253.40	20.8	1.1
1320.0	4329.6	119.524	247.14	13.0	0.7	1525.0	5002.0	123.128	253.63	25.2	1.4
1325.0	4346.0	119.704	247.47	36.0	2.0	1530.0	5018.4	123.249	253.85	24.2	1.3
1330.0	4362.4	119.742	247.54	7.6	0.4	1535.0	5034.8	123.440	254.19	38.2	2.1
1335.0	4378.8	119.718	247.49	-4.8	-0.3	1540.0	5051.2	123.629	254.53	37.8	2.1
1340.0	4395.2	119.720	247.50	0.4	0.0	1545.0	5067.6	123.916	255.05	57.4	3.2
1345.0	4411.6	119.937	247.89	43.4	2.4	1550.0	5084.0	124.108	255.39	38.4	2.1
1350.0	4428.0	119.870	247.77	-13.4	-0.7	1555.0	5100.4	124.240	255.63	26.4	1.4
1355.0	4444.4	119.925	247.87	11.0	0.6	1560.0	5116.8	124.388	255.90	29.6	1.6
1360.0	4460.8	120.159	248.29	46.8	2.6	1565.0	5133.2	124.707	256.47	63.8	3.5
1365.0	4477.2	120.288	248.52	25.8	1.4	1570.0	5149.6	124.640	256.35	-13.4	-0.7
1370.0	4493.6	120.173	248.31	-23.0	-1.3	1575.0	5166.0	124.866	256.76	45.2	2.5
1375.0	4510.0	120.232	248.42	11.8	0.6	1580.0	5182.4	125.005	257.01	27.8	1.5
1380.0	4526.4	120.488	248.88	51.2	2.8	1585.0	5198.8	125.179	257.32	34.8	1.9
1385.0	4542.8	120.583	249.05	19.0	1.0	1590.0	5215.2	125.266	257.48	17.4	1.0
1390.0	4559.2	120.680	249.22	19.4	1.1	1595.0	5231.6	125.339	257.61	14.6	0.8
1395.0	4575.6	120.760	249.37	16.0	0.9	1600.0	5248.0	125.578	258.04	47.8	2.6
1400.0	4592.0	120.832	249.50	14.4	0.8	1605.0	5264.4	125.546	257.98	-6.4	-0.4
1405.0	4608.4	120.905	249.63	14.6	0.8	1610.0	5280.8	125.664	258.20	23.6	1.3
1410.0	4624.8	121.030	249.85	25.0	1.4	1615.0	5297.2	125.865	258.56	40.2	2.2
1415.0	4641.2	121.046	249.88	3.2	0.2	1620.0	5313.6	126.047	258.88	36.4	2.0
1420.0	4657.6	121.114	250.01	13.8	0.7	1625.0	5330.0	126.163	259.09	23.2	1.3
1425.0	4674.0	121.192	250.15	15.6	0.9	1630.0	5346.4	126.360	259.45	39.4	2.2
1430.0	4690.4	121.263	250.27	14.2	0.8	1635.0	5362.8	126.465	259.64	21.0	1.2
1435.0	4706.8	121.338	250.41	15.0	0.8	1640.0	5379.2	126.515	259.73	10.0	0.5

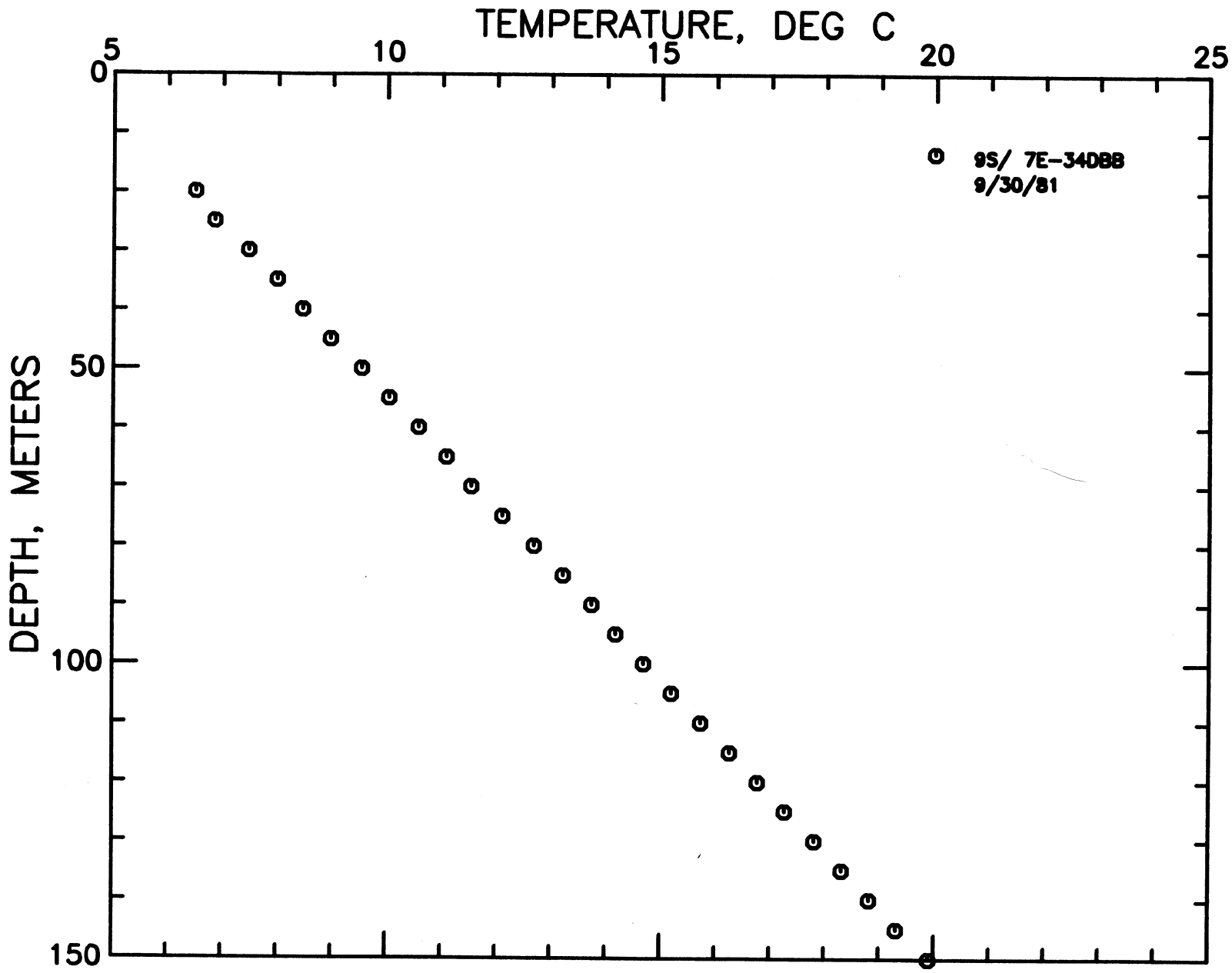
LOCATION: OREGON
95/ 7E-28
HOLE NAME: FED58-28
DATE MEASURED: 8/12/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT	DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
1645.0	5395.6	126.708	260.07	38.6	2.1	1685.0	5526.8	128.259	262.87	36.6	2.0
1650.0	5412.0	126.829	260.29	24.2	1.3	1690.0	5543.2	128.585	263.45	65.2	3.6
1655.0	5428.4	127.005	260.61	35.2	1.9	1695.0	5559.6	128.795	263.83	42.0	2.3
1660.0	5444.8	127.267	261.08	52.4	2.9	1700.0	5576.0	129.047	264.28	50.4	2.8
1665.0	5461.2	127.513	261.52	49.2	2.7	1705.0	5592.4	129.130	264.43	16.6	0.9
1670.0	5477.6	127.736	261.92	44.6	2.4	1710.0	5608.8	129.202	264.56	14.4	0.8
1675.0	5494.0	127.952	262.31	43.2	2.4	1715.0	5625.2	129.318	264.77	23.2	1.3
1680.0	5510.4	128.076	262.54	24.8	1.4						


TEMPERATURE, DEG C
0
5
10
15
20
DEPTH, METERS
0
50
100
150
9S/ 7E-29CCB
9/30/81

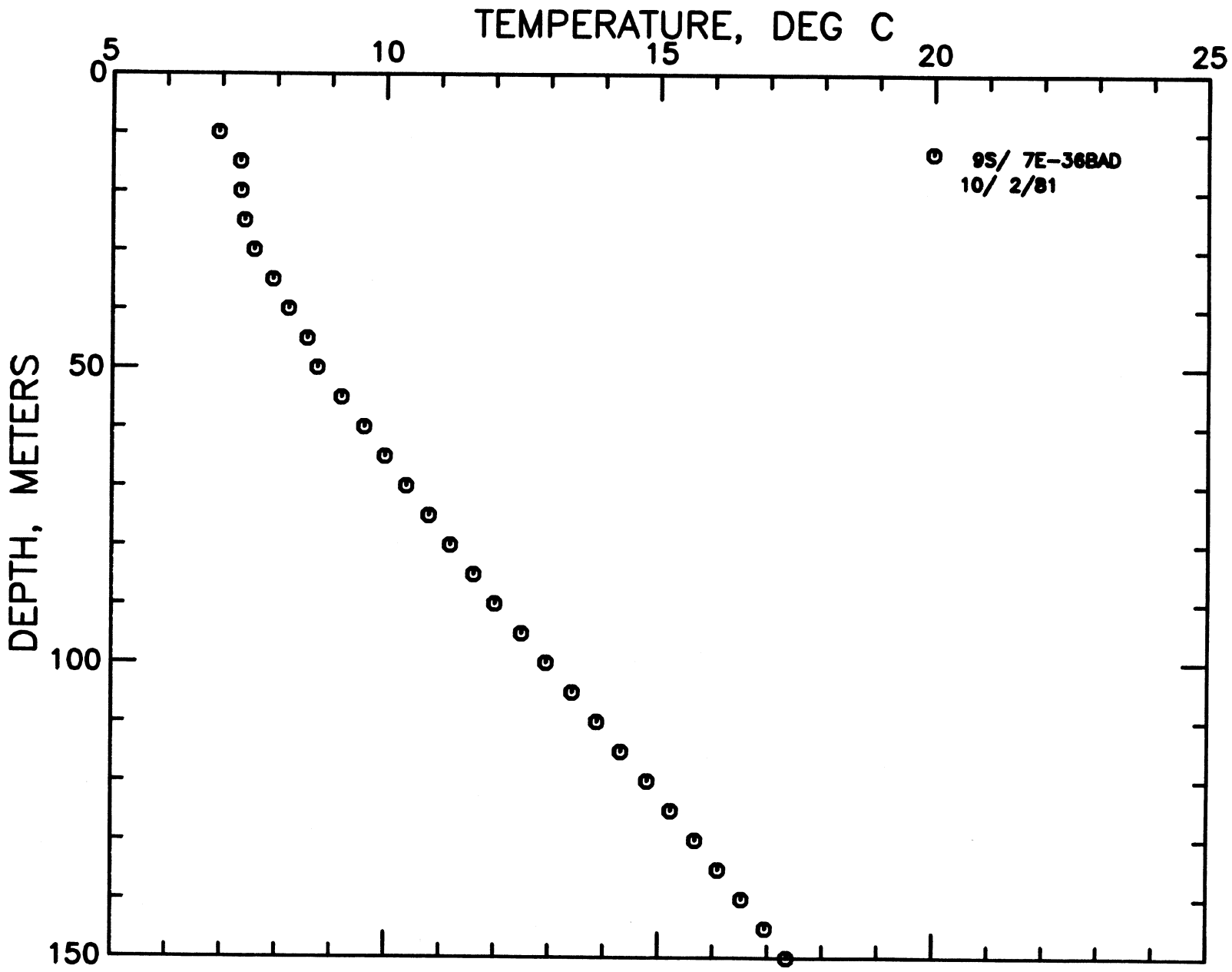
LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E-29CCB
HOLE NAME: SUN-BR2
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
20.0	65.6	5.110	41.20	0.0	0.0
25.0	82.0	5.000	41.00	-22.0	-1.2
30.0	98.4	5.030	41.05	6.0	0.3
35.0	114.8	5.170	41.31	28.0	1.5
40.0	131.2	5.350	41.63	36.0	2.0
45.0	147.6	5.590	42.06	48.0	2.6
50.0	164.0	5.720	42.30	26.0	1.4
55.0	180.4	6.000	42.80	56.0	3.1
60.0	196.9	6.330	43.39	66.0	3.6
65.0	213.3	6.510	43.72	36.0	2.0
70.0	229.7	6.810	44.26	60.0	3.3
75.0	246.1	7.160	44.89	70.0	3.8
80.0	262.5	7.610	45.70	90.0	4.9
83.5	274.0	7.930	46.27	91.4	5.0


TEMPERATURE, DEG C
0
5
10
15
20
25
DEPTH, METERS
50
100
150
9S/ 7E-34DBB
9/30/81

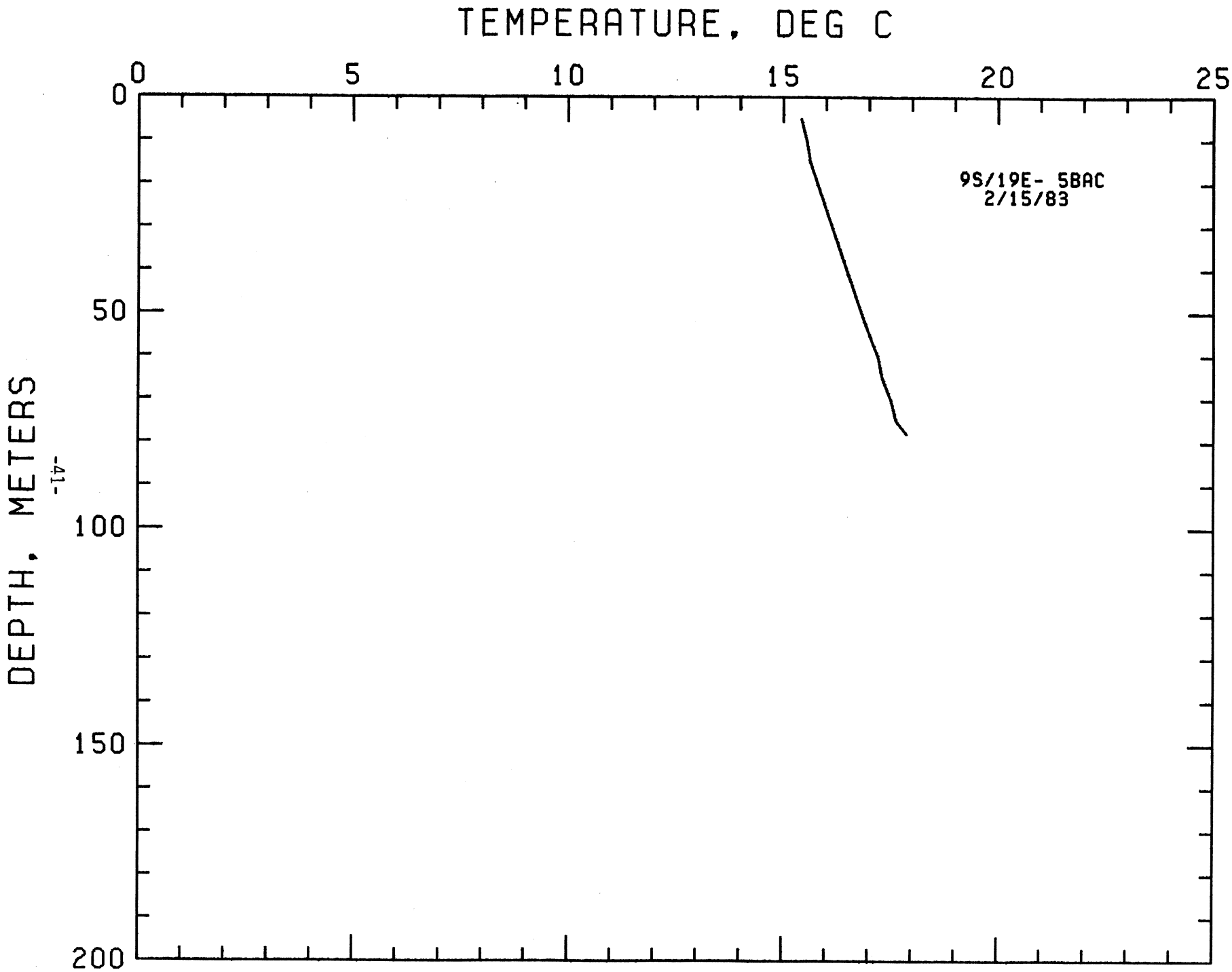
LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E-34DBB
HOLE NAME: SUN-BRA4
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
20.0	65.6	6.500	43.70	0.0	0.0
25.0	82.0	6.850	44.33	70.0	3.8
30.0	98.4	7.470	45.45	124.0	6.8
35.0	114.8	7.990	46.38	104.0	5.7
40.0	131.2	8.460	47.23	94.0	5.2
45.0	147.6	8.970	48.15	102.0	5.6
50.0	164.0	9.540	49.17	114.0	6.3
55.0	180.4	10.040	50.07	100.0	5.5
60.0	196.9	10.580	51.04	108.0	5.9
65.0	213.3	11.090	51.96	102.0	5.6
70.0	229.7	11.540	52.77	90.0	4.9
75.0	246.1	12.110	53.80	114.0	6.3
80.0	262.5	12.690	54.84	116.0	6.4
85.0	278.9	13.220	55.80	106.0	5.8
90.0	295.3	13.740	56.73	104.0	5.7
95.0	311.7	14.180	57.52	88.0	4.8
100.0	328.1	14.690	58.44	102.0	5.6
105.0	344.5	15.200	59.36	102.0	5.6
110.0	360.9	15.730	60.31	106.0	5.8
115.0	377.3	16.260	61.27	106.0	5.8
120.0	393.7	16.770	62.19	102.0	5.6
125.0	410.1	17.270	63.09	100.0	5.5
130.0	426.5	17.810	64.06	108.0	5.9
135.0	442.9	18.310	64.96	100.0	5.5
140.0	459.3	18.820	65.88	102.0	5.6
145.0	475.7	19.310	66.76	98.0	5.4
150.0	492.1	19.900	67.82	118.0	6.5
151.0	495.4	20.070	68.13	170.0	9.3


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
9S/ 7E-36BAD
10/ 2/81

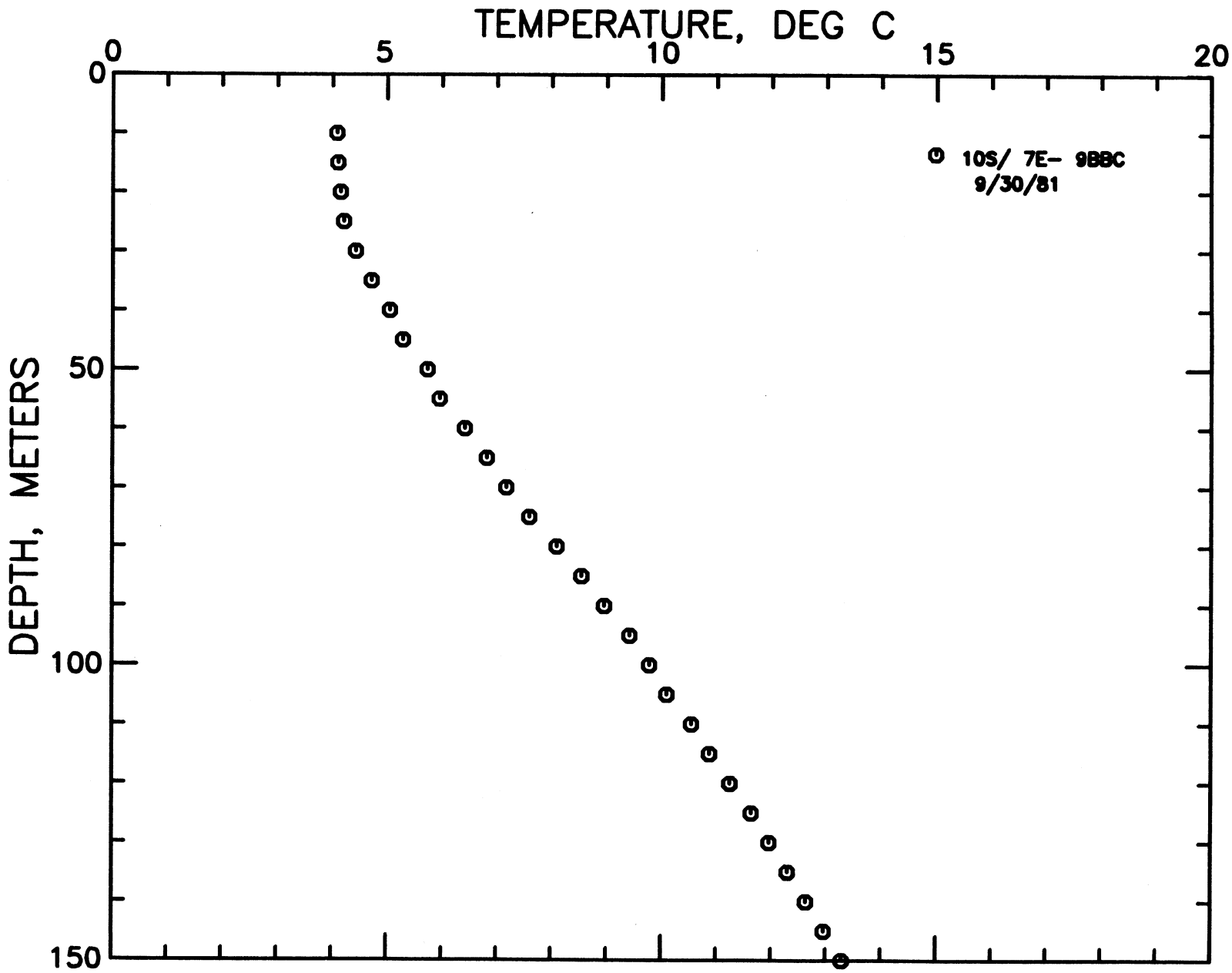
LOCATION: BEND AMS, ORE.
T/R-S: 9S/ 7E-36BAD
HOLE NAME: SUN-BR12
DATE MEASURED: 10/ 2/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	6.940	44.49	0.0	0.0
15.0	49.2	7.330	45.19	78.0	4.3
20.0	65.6	7.340	45.21	2.0	0.1
25.0	82.0	7.410	45.34	14.0	0.8
30.0	98.4	7.590	45.66	36.0	2.0
35.0	114.8	7.930	46.27	68.0	3.7
40.0	131.2	8.220	46.80	58.0	3.2
45.0	147.6	8.560	47.41	68.0	3.7
50.0	164.0	8.750	47.75	38.0	2.1
55.0	180.4	9.190	48.54	88.0	4.8
60.0	196.9	9.610	49.30	84.0	4.6
65.0	213.3	9.990	49.98	76.0	4.2
70.0	229.7	10.380	50.68	78.0	4.3
75.0	246.1	10.790	51.42	82.0	4.5
80.0	262.5	11.180	52.12	78.0	4.3
85.0	278.9	11.610	52.90	86.0	4.7
90.0	295.3	12.000	53.60	78.0	4.3
95.0	311.7	12.490	54.48	98.0	5.4
100.0	328.1	12.940	55.29	90.0	4.9
105.0	344.5	13.420	56.16	96.0	5.3
110.0	360.9	13.870	56.97	90.0	4.9
115.0	377.3	14.310	57.76	88.0	4.8
120.0	393.7	14.790	58.62	96.0	5.3
125.0	410.1	15.220	59.40	86.0	4.7
130.0	426.5	15.670	60.21	90.0	4.9
135.0	442.9	16.090	60.96	84.0	4.6
140.0	459.3	16.520	61.74	86.0	4.7
145.0	475.7	16.950	62.51	86.0	4.7
150.0	492.1	17.350	63.23	80.0	4.4
154.0	505.2	17.590	63.66	60.0	3.3


TEMPERATURE, DEG C
0
5
10
15
20
25
DEPTH, METERS
0
50
100
150
200
9S/19E- 5BAC
2/15/83

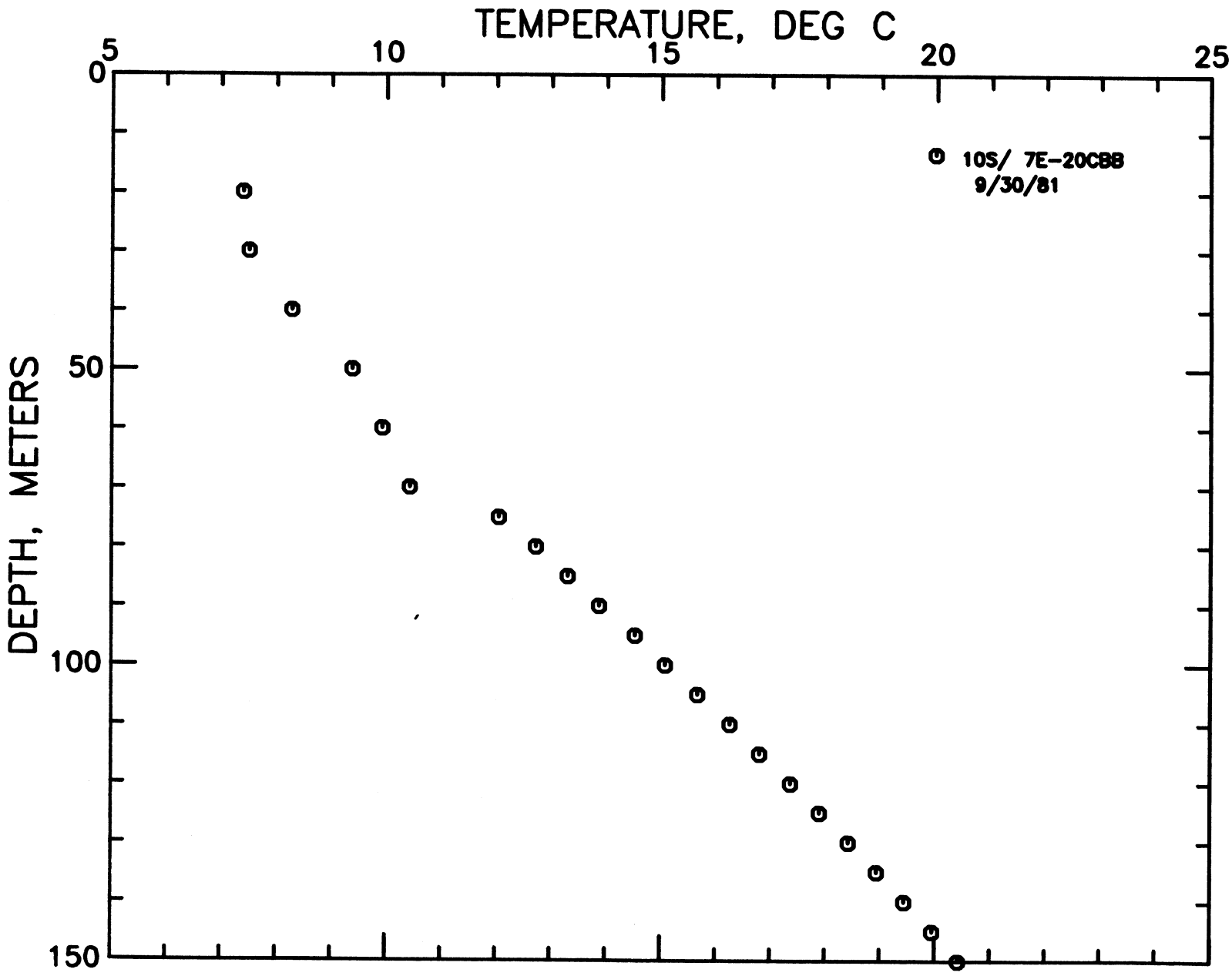
LOCATION: BEND AMS OREGON
T/R-S: 9S/19E- 5BAC
HOLE NAME: RAJ-AW3
DATE MEASURED: 2/15/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	15.420	0.0
10.0	15.540	24.0
15.0	15.630	18.0
20.0	15.800	34.0
25.0	15.970	34.0
30.0	16.140	34.0
35.0	16.310	34.0
40.0	16.480	34.0
45.0	16.660	36.0
50.0	16.830	34.0
55.0	17.020	38.0
60.0	17.210	38.0
65.0	17.320	22.0
70.0	17.510	38.0
75.0	17.640	26.0
78.0	17.890	83.3


TEMPERATURE, DEG C
0
5
10
15
20
DEPTH, METERS
0
50
100
150
10S/ 7E- 9BBC
9/30/81

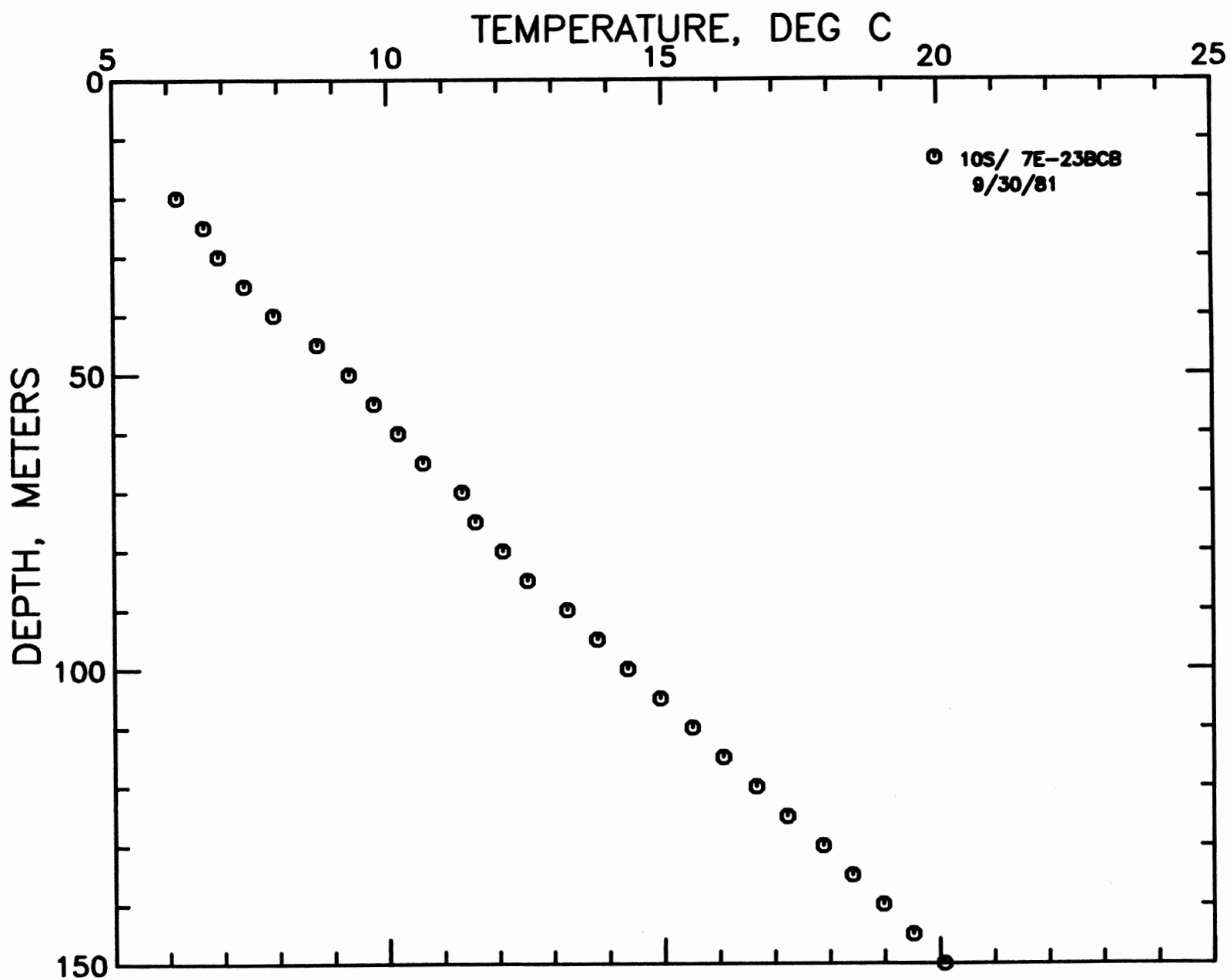
LOCATION: BEND AMS, ORE.
T/R-S: 10S/ 7E- 9BBC
HOLE NAME: SUN-BRA5
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	4.080	39.34	0.0	0.0
15.0	49.2	4.100	39.38	4.0	0.2
20.0	65.6	4.150	39.47	10.0	0.5
25.0	82.0	4.210	39.58	12.0	0.7
30.0	98.4	4.430	39.97	44.0	2.4
35.0	114.8	4.720	40.50	58.0	3.2
40.0	131.2	5.050	41.09	66.0	3.6
45.0	147.6	5.290	41.52	48.0	2.6
50.0	164.0	5.740	42.33	90.0	4.9
55.0	180.4	5.960	42.73	44.0	2.4
60.0	196.9	6.420	43.56	92.0	5.0
65.0	213.3	6.820	44.28	80.0	4.4
70.0	229.7	7.180	44.92	72.0	4.0
75.0	246.1	7.600	45.68	84.0	4.6
80.0	262.5	8.100	46.58	100.0	5.5
85.0	278.9	8.550	47.39	90.0	4.9
90.0	295.3	8.960	48.13	82.0	4.5
95.0	311.7	9.420	48.96	92.0	5.0
100.0	328.1	9.780	49.60	72.0	4.0
105.0	344.5	10.100	50.18	64.0	3.5
110.0	360.9	10.550	50.99	90.0	4.9
115.0	377.3	10.880	51.58	66.0	3.6
120.0	393.7	11.250	52.25	74.0	4.1
125.0	410.1	11.640	52.95	78.0	4.3
130.0	426.5	11.960	53.53	64.0	3.5
135.0	442.9	12.300	54.14	68.0	3.7
140.0	459.3	12.630	54.73	66.0	3.6
145.0	475.7	12.960	55.33	66.0	3.6
150.0	492.1	13.290	55.92	66.0	3.6
152.0	498.7	13.460	56.23	85.0	4.7


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
10S/ 7E-20CBB
9/30/81

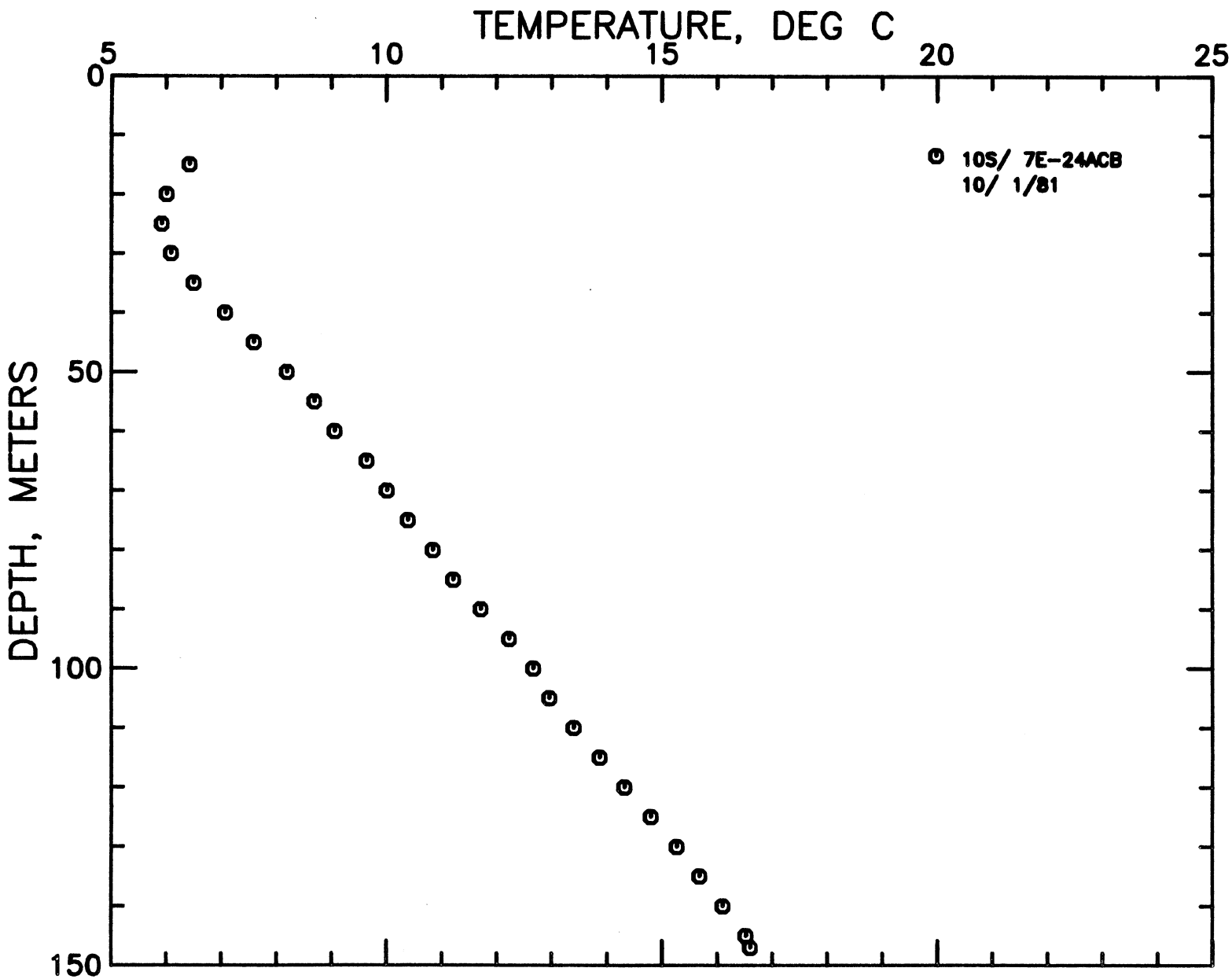
LOCATION: BEND AMS, ORE.
T/R-S: 10S/ 7E-20CBB
HOLE NAME: SUN-BRA9
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
20.0	65.6	7.390	45.30	0.0	0.0
30.0	98.4	7.500	45.50	11.0	0.6
40.0	131.2	8.280	46.90	78.0	4.3
50.0	164.0	9.380	48.88	110.0	6.0
60.0	196.9	9.930	49.87	55.0	3.0
70.0	229.7	10.430	50.77	50.0	2.7
75.0	246.1	12.050	53.69	324.0	17.8
80.0	262.5	12.730	54.91	136.0	7.5
85.0	278.9	13.310	55.96	116.0	6.4
90.0	295.3	13.880	56.98	114.0	6.3
95.0	311.7	14.530	58.15	130.0	7.1
100.0	328.1	15.080	59.14	110.0	6.0
105.0	344.5	15.670	60.21	118.0	6.5
110.0	360.9	16.260	61.27	118.0	6.5
115.0	377.3	16.800	62.24	108.0	5.9
120.0	393.7	17.360	63.25	112.0	6.1
125.0	410.1	17.890	64.20	106.0	5.8
130.0	426.5	18.420	65.16	106.0	5.8
135.0	442.9	18.940	66.09	104.0	5.7
140.0	459.3	19.440	66.99	100.0	5.5
145.0	475.7	19.950	67.91	102.0	5.6
150.0	492.1	20.420	68.76	94.0	5.2
153.5	503.6	20.640	69.15	62.9	3.4


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
10S/ 7E-23BCB
9/30/81

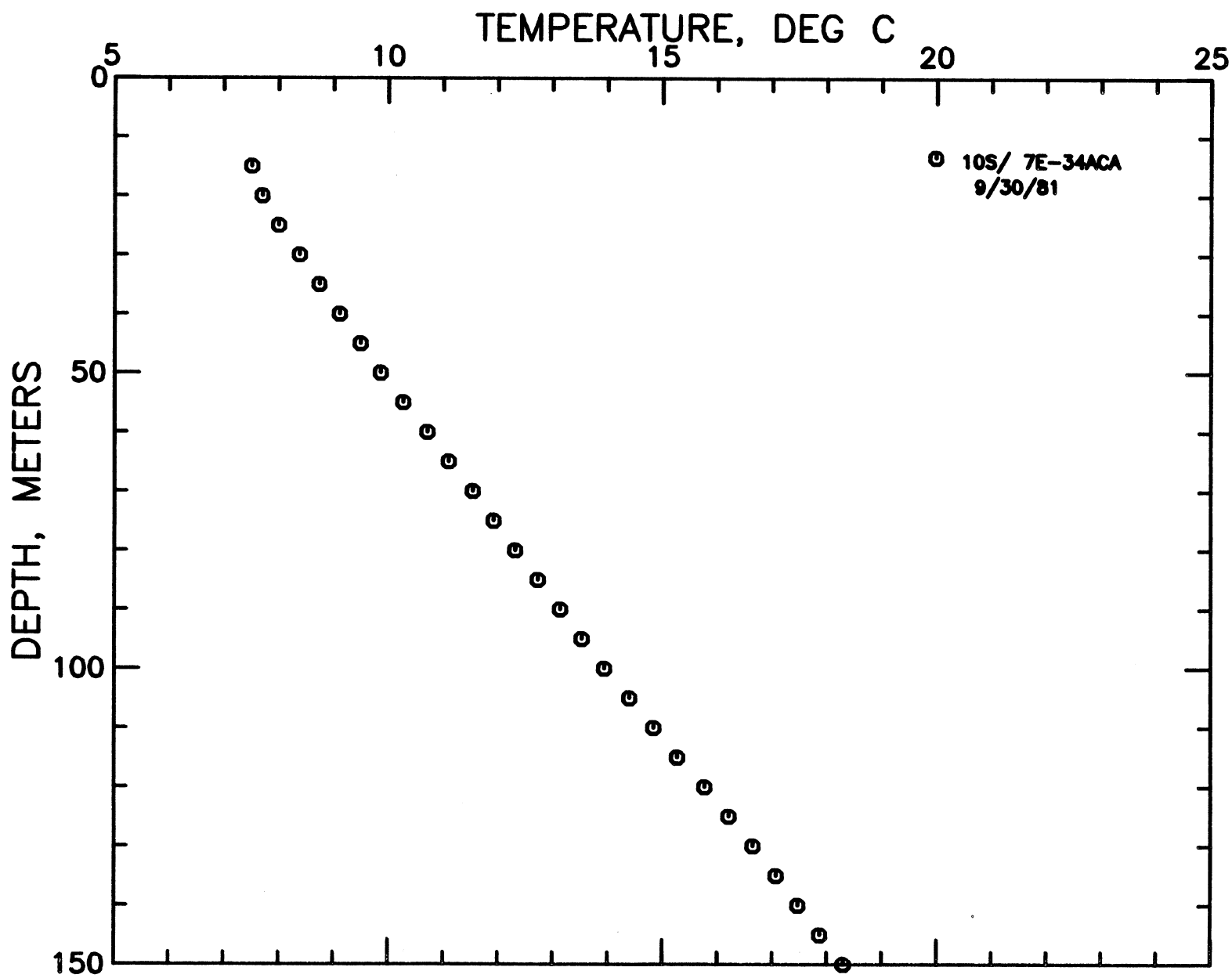
LOCATION: BEND AMS, ORE.
T/R-S: 10S/ 7E-23BCB
HOLE NAME: SUNBRA10
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
20.0	65.6	6.180	43.12	0.0	0.0
25.0	82.0	6.670	44.01	98.0	5.4
30.0	98.4	6.930	44.47	52.0	2.9
35.0	114.8	7.400	45.32	94.0	5.2
40.0	131.2	7.930	46.27	106.0	5.8
45.0	147.6	8.720	47.70	158.0	8.7
50.0	164.0	9.300	48.74	116.0	6.4
55.0	180.4	9.750	49.55	90.0	4.9
60.0	196.9	10.190	50.34	88.0	4.8
65.0	213.3	10.640	51.15	90.0	4.9
70.0	229.7	11.340	52.41	140.0	7.7
75.0	246.1	11.580	52.84	48.0	2.6
80.0	262.5	12.080	53.74	100.0	5.5
85.0	278.9	12.530	54.55	90.0	4.9
90.0	295.3	13.250	55.85	144.0	7.9
95.0	311.7	13.790	56.82	108.0	5.9
100.0	328.1	14.340	57.81	110.0	6.0
105.0	344.5	14.930	58.87	118.0	6.5
110.0	360.9	15.510	59.92	116.0	6.4
115.0	377.3	16.070	60.93	112.0	6.1
120.0	393.7	16.670	62.01	120.0	6.6
125.0	410.1	17.230	63.01	112.0	6.1
130.0	426.5	17.880	64.18	130.0	7.1
135.0	442.9	18.410	65.14	106.0	5.8
140.0	459.3	18.980	66.16	114.0	6.3
145.0	475.7	19.520	67.14	108.0	5.9
150.0	492.1	20.080	68.14	112.0	6.1
152.0	498.7	20.370	68.67	145.0	8.0


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
10S/ 7E-24ACB
10/ 1/81

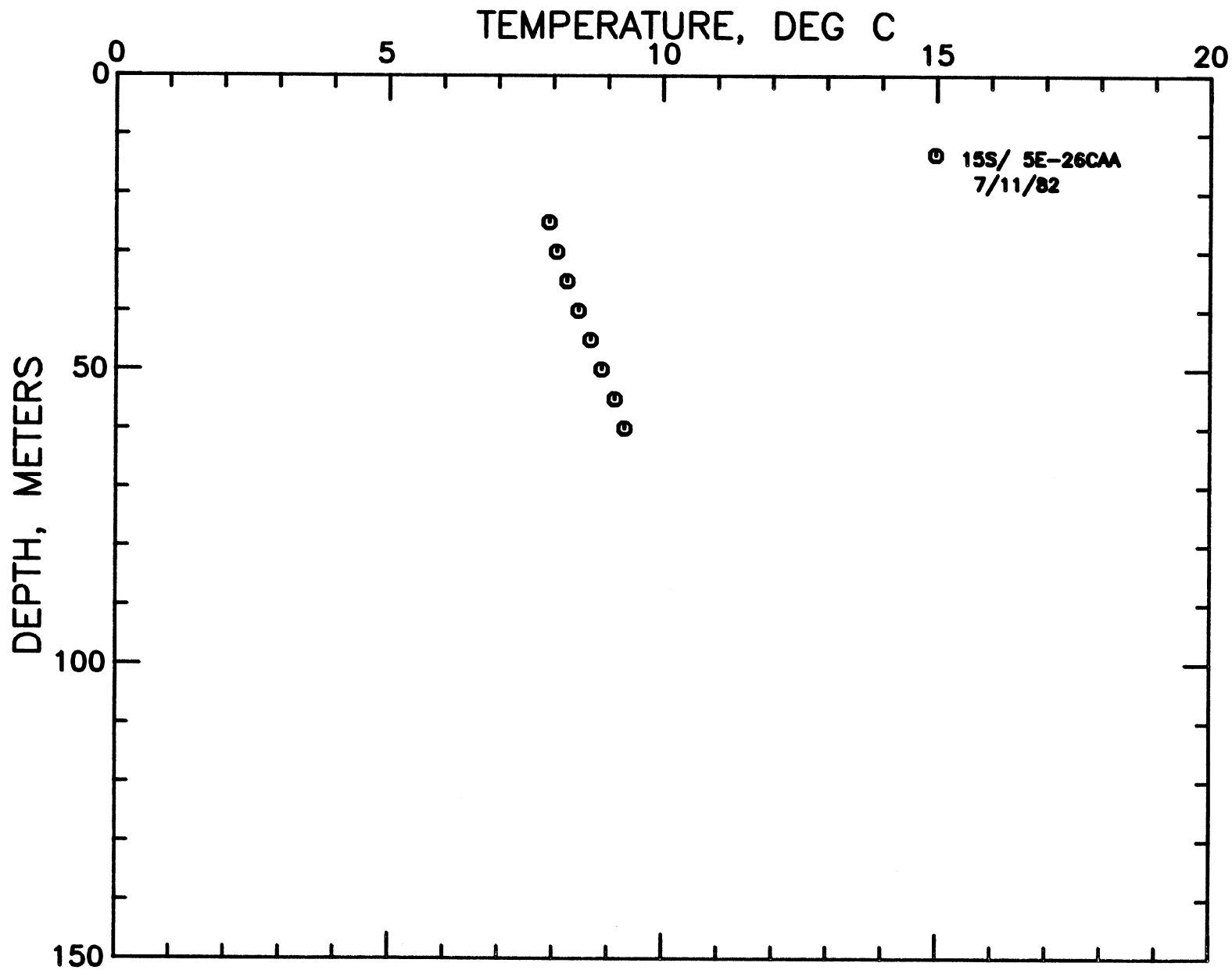
LOCATION: BEND AMS, ORE.
T/R-S: 10S/ 7E-24ACB
HOLE NAME: SUNBRA11
DATE MEASURED: 10/ 1/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
15.0	49.2	6.430	43.57	0.0	0.0
20.0	65.6	6.010	42.82	-84.0	-4.6
25.0	82.0	5.920	42.66	-18.0	-1.0
30.0	98.4	6.090	42.96	34.0	1.9
35.0	114.8	6.500	43.70	82.0	4.5
40.0	131.2	7.070	44.73	114.0	6.3
45.0	147.6	7.590	45.66	104.0	5.7
50.0	164.0	8.190	46.74	120.0	6.6
55.0	180.4	8.690	47.64	100.0	5.5
60.0	196.9	9.060	48.31	74.0	4.1
65.0	213.3	9.640	49.35	116.0	6.4
70.0	229.7	10.010	50.02	74.0	4.1
75.0	246.1	10.390	50.70	76.0	4.2
80.0	262.5	10.840	51.51	90.0	4.9
85.0	278.9	11.210	52.18	74.0	4.1
90.0	295.3	11.710	53.08	100.0	5.5
95.0	311.7	12.230	54.01	104.0	5.7
100.0	328.1	12.670	54.81	88.0	4.8
105.0	344.5	12.960	55.33	58.0	3.2
110.0	360.9	13.400	56.12	88.0	4.8
115.0	377.3	13.870	56.97	94.0	5.2
120.0	393.7	14.320	57.78	90.0	4.9
125.0	410.1	14.800	58.64	96.0	5.3
130.0	426.5	15.270	59.49	94.0	5.2
135.0	442.9	15.680	60.22	82.0	4.5
140.0	459.3	16.100	60.98	84.0	4.6
145.0	475.7	16.520	61.74	84.0	4.6
147.0	482.3	16.600	61.88	40.0	2.2


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
10S/ 7E-34ACA
9/30/81

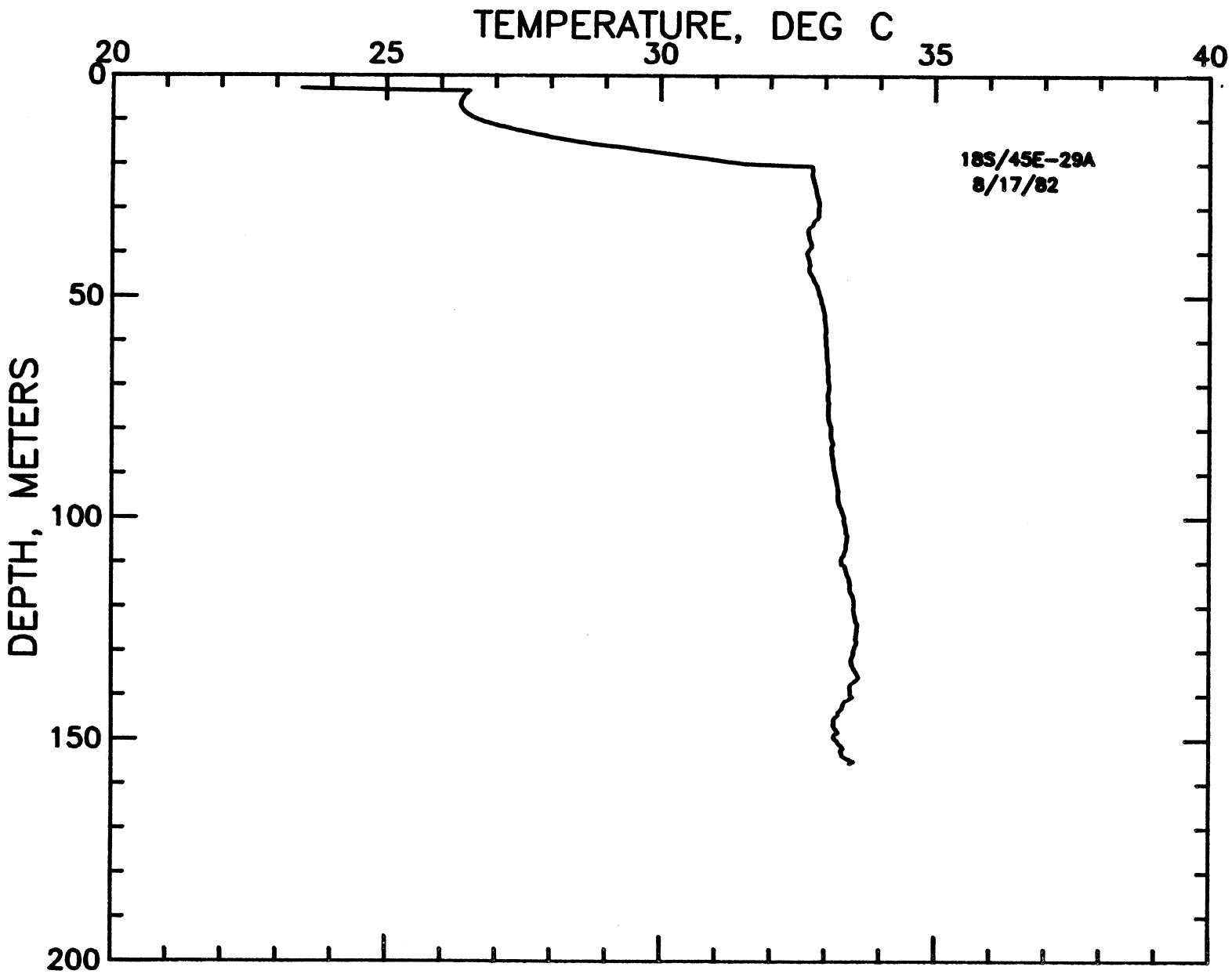
LOCATION: BEND AMS, ORE.
T/R-S: 10S/ 7E-34ACA
HOLE NAME: SUNBRA12
DATE MEASURED: 9/30/81

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
15.0	49.2	7.510	45.52	0.0	0.0
20.0	65.6	7.700	45.86	38.0	2.1
25.0	82.0	8.000	46.40	60.0	3.3
30.0	98.4	8.380	47.08	76.0	4.2
35.0	114.8	8.740	47.73	72.0	4.0
40.0	131.2	9.110	48.40	74.0	4.1
45.0	147.6	9.490	49.08	76.0	4.2
50.0	164.0	9.860	49.75	74.0	4.1
55.0	180.4	10.270	50.49	82.0	4.5
60.0	196.9	10.710	51.28	88.0	4.8
65.0	213.3	11.100	51.98	78.0	4.3
70.0	229.7	11.540	52.77	88.0	4.8
75.0	246.1	11.920	53.46	76.0	4.2
80.0	262.5	12.320	54.18	80.0	4.4
85.0	278.9	12.730	54.91	82.0	4.5
90.0	295.3	13.140	55.65	82.0	4.5
95.0	311.7	13.530	56.35	78.0	4.3
100.0	328.1	13.940	57.09	82.0	4.5
105.0	344.5	14.400	57.92	92.0	5.0
110.0	360.9	14.840	58.71	88.0	4.8
115.0	377.3	15.270	59.49	86.0	4.7
120.0	393.7	15.770	60.39	100.0	5.5
125.0	410.1	16.210	61.18	88.0	4.8
130.0	426.5	16.650	61.97	88.0	4.8
135.0	442.9	17.070	62.73	84.0	4.6
140.0	459.3	17.470	63.45	80.0	4.4
145.0	475.7	17.870	64.17	80.0	4.4
150.0	492.1	18.300	64.94	86.0	4.7
153.0	502.0	18.560	65.41	86.7	4.8


TEMPERATURE, DEG C
0
5
10
15
20
DEPTH, METERS
0
50
100
150
15S/ 5E-26CAA
7/11/82

LOCATION: SALEM AMS, ORE.
T/R-S: 15S/ 5E-26CAA
HOLE NAME: USFSDDH3
DATE MEASURED: 7/11/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
25.0	82.0	7.920	46.26	0.0	0.0
30.0	98.4	8.060	46.51	28.0	1.5
35.0	114.8	8.250	46.85	38.0	2.1
40.0	131.2	8.460	47.23	42.0	2.3
45.0	147.6	8.680	47.62	44.0	2.4
50.0	164.0	8.880	47.98	40.0	2.2
55.0	180.4	9.120	48.42	48.0	2.6
60.0	196.9	9.300	48.74	36.0	2.0


TEMPERATURE, DEG C
20
25
30
35
40
0
50
100
150
200
DEPTH, METERS
18S/45E-29A
8/17/82

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
3.0	23.457	0.0
3.5	26.529	6144.0
4.0	26.477	-104.0
4.5	26.425	-104.0
5.0	26.393	-64.0
5.5	26.367	-52.0
6.0	26.352	-30.0
6.5	26.344	-16.0
7.0	26.354	20.0
7.5	26.373	38.0
8.0	26.409	72.0
8.5	26.451	84.0
9.0	26.502	102.0
9.5	26.570	136.0
10.0	26.657	174.0
10.5	26.766	218.0
11.0	26.904	276.0
11.5	27.051	294.0
12.0	27.239	376.0
12.5	27.411	344.0
13.0	27.615	408.0
13.5	27.794	358.0
14.0	27.999	410.0
14.5	28.233	468.0
15.0	28.483	500.0
15.5	28.743	520.0
16.0	29.101	716.0
16.5	29.451	700.0
17.0	29.711	520.0
17.5	30.035	648.0
18.0	30.316	562.0
18.5	30.640	648.0
19.0	30.934	588.0
19.5	31.220	572.0
20.0	31.553	666.0
20.5	32.764	2422.0
21.0	32.767	6.0
21.5	32.777	20.0
22.0	32.761	-32.0
22.5	32.758	-6.0
23.0	32.769	22.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
23.5	32.788	38.0
24.0	32.791	6.0
24.5	32.807	32.0
25.0	32.815	16.0
25.5	32.825	20.0
26.0	32.832	14.0
26.5	32.838	12.0
27.0	32.850	24.0
27.5	32.862	24.0
28.0	32.877	30.0
28.5	32.885	16.0
29.0	32.894	18.0
29.5	32.891	-6.0
30.0	32.878	-26.0
30.5	32.880	4.0
31.0	32.880	0.0
31.5	32.879	-2.0
32.0	32.881	4.0
32.5	32.845	-72.0
33.0	32.787	-116.0
33.5	32.772	-30.0
34.0	32.758	-28.0
34.5	32.701	-114.0
35.0	32.676	-50.0
35.5	32.683	14.0
36.0	32.685	4.0
36.5	32.706	42.0
37.0	32.711	10.0
37.5	32.728	34.0
38.0	32.741	26.0
38.5	32.740	-2.0
39.0	32.736	-8.0
39.5	32.692	-88.0
40.0	32.660	-64.0
40.5	32.660	0.0
41.0	32.674	28.0
41.5	32.696	44.0
42.0	32.709	26.0
42.5	32.715	12.0
43.0	32.723	16.0
43.5	32.700	-46.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
44.0	32.698	-4.0
44.5	32.715	34.0
45.0	32.737	44.0
45.5	32.763	52.0
46.0	32.786	46.0
46.5	32.798	24.0
47.0	32.821	46.0
47.5	32.842	42.0
48.0	32.861	38.0
48.5	32.874	26.0
49.0	32.886	24.0
49.5	32.891	10.0
50.0	32.906	30.0
50.5	32.920	28.0
51.0	32.929	18.0
51.5	32.933	8.0
52.0	32.952	38.0
52.5	32.963	22.0
53.0	32.971	16.0
53.5	32.980	18.0
54.0	32.987	14.0
54.5	32.990	6.0
55.0	32.988	-4.0
55.5	32.994	12.0
56.0	33.002	16.0
56.5	33.006	8.0
57.0	33.013	14.0
57.5	33.015	4.0
58.0	33.016	2.0
58.5	33.005	-22.0
59.0	33.004	-2.0
59.5	33.012	16.0
60.0	33.017	10.0
60.5	33.015	-4.0
61.0	33.014	-2.0
61.5	33.024	20.0
62.0	33.029	10.0
62.5	33.029	0.0
63.0	33.029	0.0
63.5	33.028	-2.0
64.0	33.035	14.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
64.5	33.036	2.0
65.0	33.044	16.0
65.5	33.053	18.0
66.0	33.053	0.0
66.5	33.047	-12.0
67.0	33.049	4.0
67.5	33.050	2.0
68.0	33.057	14.0
68.5	33.054	-6.0
69.0	33.057	6.0
69.5	33.062	10.0
70.0	33.073	22.0
70.5	33.073	0.0
71.0	33.070	-6.0
71.5	33.057	-26.0
72.0	33.051	-12.0
72.5	33.046	-10.0
73.0	33.051	10.0
73.5	33.054	6.0
74.0	33.069	30.0
74.5	33.063	-12.0
75.0	33.061	-4.0
75.5	33.060	-2.0
76.0	33.055	-10.0
76.5	33.055	0.0
77.0	33.060	10.0
77.5	33.059	-2.0
78.0	33.068	18.0
78.5	33.080	24.0
79.0	33.101	42.0
79.5	33.112	22.0
80.0	33.109	-6.0
80.5	33.107	-4.0
81.0	33.104	-6.0
81.5	33.107	6.0
82.0	33.109	4.0
82.5	33.122	26.0
83.0	33.138	32.0
83.5	33.141	6.0
84.0	33.118	-46.0
84.5	33.118	0.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
85.0	33.124	12.0
85.5	33.122	-4.0
86.0	33.129	14.0
86.5	33.141	24.0
87.0	33.144	6.0
87.5	33.149	10.0
88.0	33.155	12.0
88.5	33.161	12.0
89.0	33.167	12.0
89.5	33.178	22.0
90.0	33.186	16.0
90.5	33.190	8.0
91.0	33.199	18.0
91.5	33.211	24.0
92.0	33.214	6.0
92.5	33.217	6.0
93.0	33.229	24.0
93.5	33.235	12.0
94.0	33.245	20.0
94.5	33.243	-4.0
95.0	33.235	-16.0
95.5	33.239	8.0
96.0	33.240	2.0
96.5	33.250	20.0
97.0	33.264	28.0
97.5	33.275	22.0
98.0	33.299	48.0
98.5	33.310	22.0
99.0	33.326	32.0
99.5	33.339	26.0
100.0	33.352	26.0
100.5	33.346	-12.0
101.0	33.350	8.0
101.5	33.362	24.0
102.0	33.377	30.0
102.5	33.383	12.0
103.0	33.385	4.0
103.5	33.390	10.0
104.0	33.410	40.0
104.5	33.401	-18.0
105.0	33.401	0.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

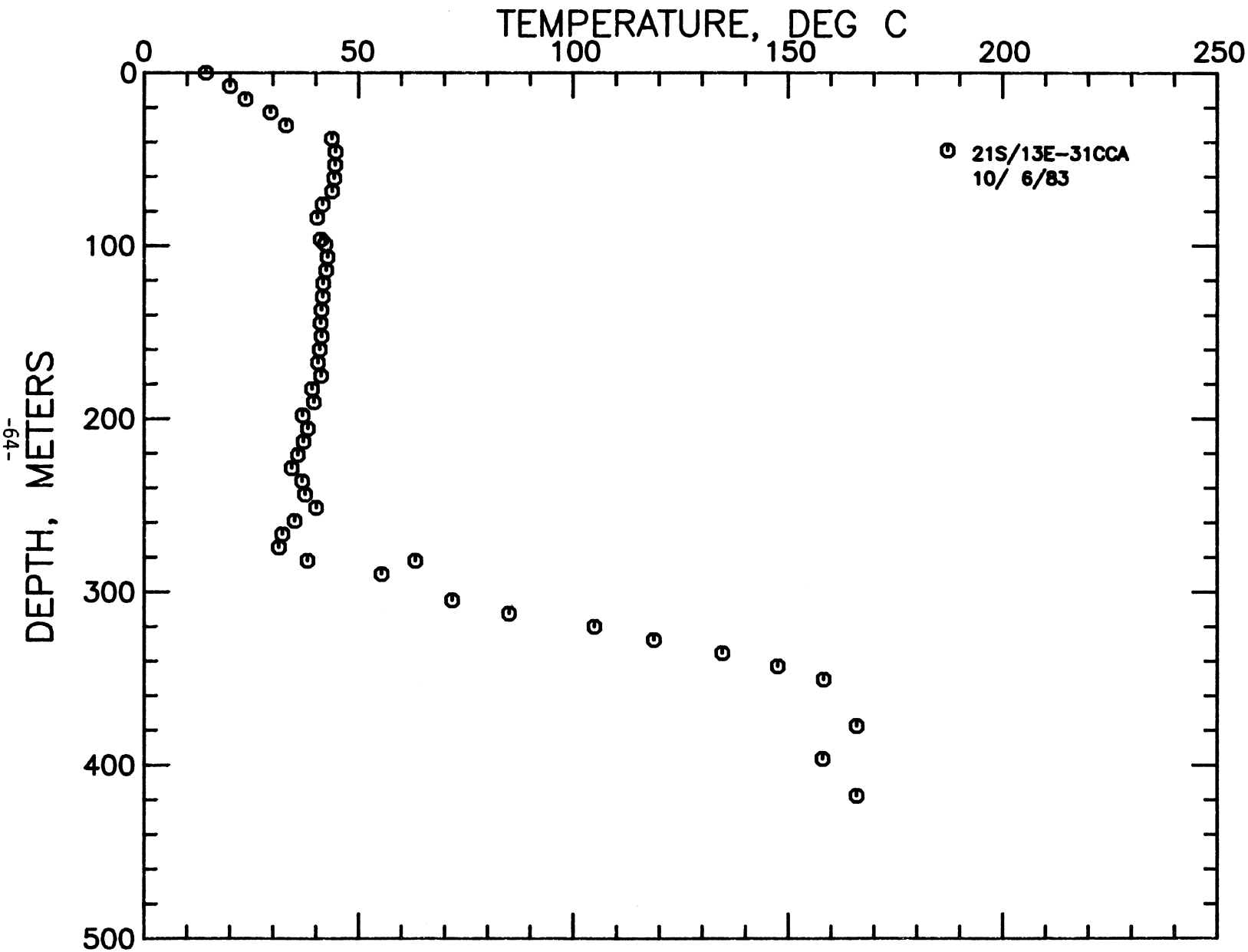
DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
105.5	33.391	-20.0
106.0	33.381	-20.0
106.5	33.378	-6.0
107.0	33.383	10.0
107.5	33.361	-44.0
108.0	33.343	-36.0
108.5	33.339	-8.0
109.0	33.300	-78.0
109.5	33.286	-28.0
110.0	33.298	24.0
110.5	33.302	8.0
111.0	33.366	128.0
111.5	33.377	22.0
112.0	33.388	22.0
112.5	33.398	20.0
113.0	33.410	24.0
113.5	33.432	44.0
114.0	33.444	24.0
114.5	33.451	14.0
115.0	33.460	18.0
115.5	33.458	-4.0
116.0	33.452	-12.0
116.5	33.459	14.0
117.0	33.483	48.0
117.5	33.503	40.0
118.0	33.513	20.0
118.5	33.519	12.0
119.0	33.531	24.0
119.5	33.531	0.0
120.0	33.525	-12.0
120.5	33.520	-10.0
121.0	33.520	0.0
121.5	33.534	28.0
122.0	33.545	22.0
122.5	33.553	16.0
123.0	33.563	20.0
123.5	33.571	16.0
124.0	33.594	46.0
124.5	33.593	-2.0
125.0	33.580	-26.0
125.5	33.582	4.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
126.0	33.575	-14.0
126.5	33.570	-10.0
127.0	33.565	-10.0
127.5	33.562	-6.0
128.0	33.581	38.0
128.5	33.574	-14.0
129.0	33.545	-58.0
129.5	33.539	-12.0
130.0	33.512	-54.0
130.5	33.519	14.0
131.0	33.510	-18.0
131.5	33.491	-38.0
132.0	33.477	-28.0
132.5	33.482	10.0
133.0	33.489	14.0
133.5	33.504	30.0
134.0	33.523	38.0
134.5	33.555	64.0
135.0	33.574	38.0
135.5	33.597	46.0
136.0	33.617	40.0
136.5	33.582	-70.0
137.0	33.530	-104.0
137.5	33.476	-108.0
138.0	33.447	-58.0
138.5	33.457	20.0
139.0	33.464	14.0
139.5	33.465	2.0
140.0	33.465	0.0
140.5	33.504	78.0
141.0	33.441	-126.0
141.5	33.352	-178.0
142.0	33.333	-38.0
142.5	33.319	-28.0
143.0	33.307	-24.0
143.5	33.274	-66.0
144.0	33.233	-82.0
144.5	33.234	2.0
145.0	33.188	-92.0
145.5	33.154	-68.0
146.0	33.165	22.0

LOCATION: BOISE AMS, OREGON
T/R-S: 18S/45E-29A
HOLE NAME: BTLR82-1
DATE MEASURED: 8/17/82

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
146.5	33.157	-16.0
147.0	33.163	12.0
147.5	33.186	46.0
148.0	33.218	64.0
148.5	33.247	58.0
149.0	33.166	-162.0
149.5	33.154	-24.0
150.0	33.189	70.0
150.5	33.235	92.0
151.0	33.260	50.0
151.5	33.303	86.0
152.0	33.341	76.0
152.5	33.285	-112.0
153.0	33.305	40.0
153.5	33.309	8.0
154.0	33.351	84.0
154.5	33.441	180.0
155.0	33.531	180.0
155.5	33.451	-160.0

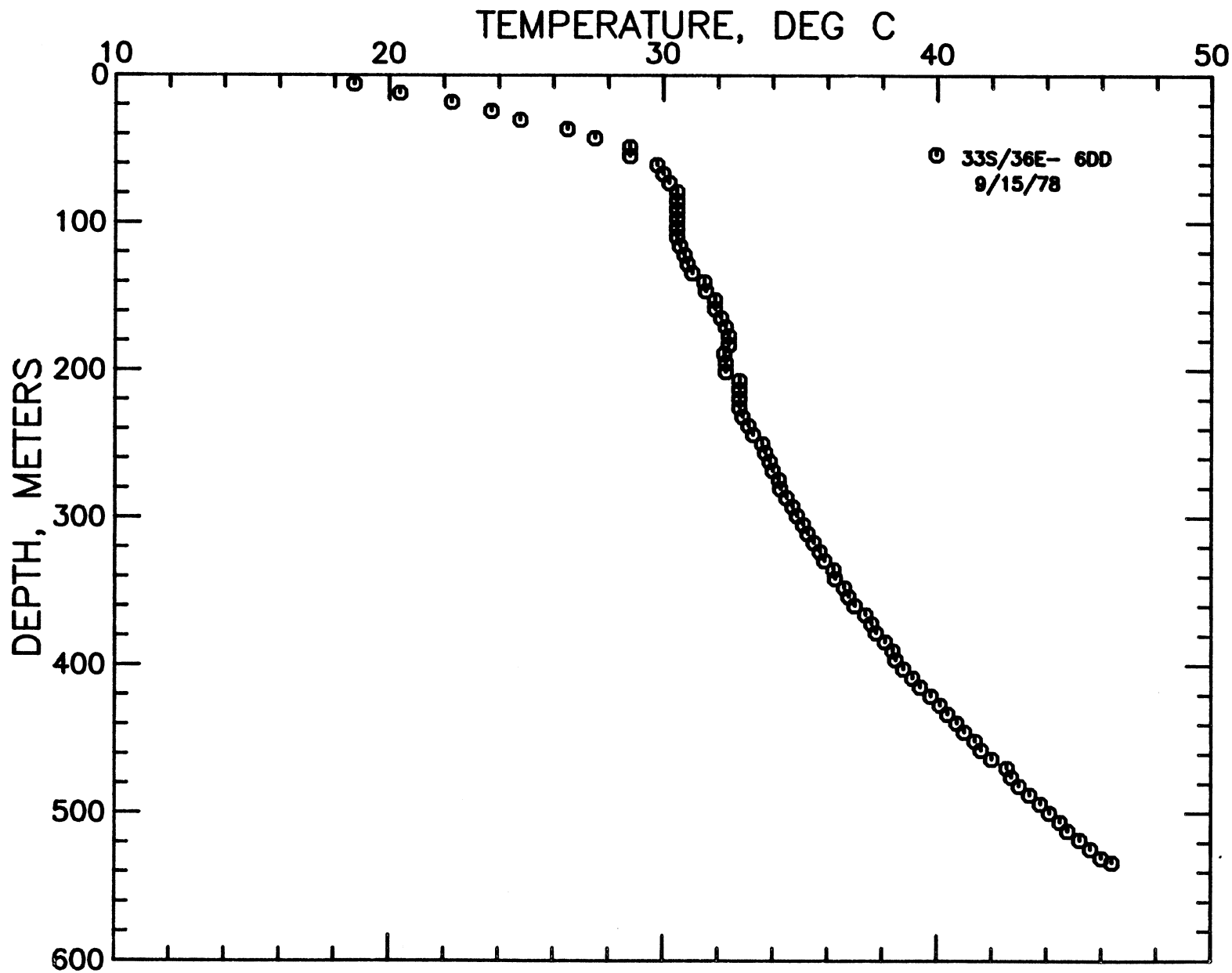

TEMPERATURE, DEG C
0
50
100
150
200
250
DEPTH, METERS
0
100
200
300
400
500
21S/13E-31CCA
10/ 6/83

LOCATION: CRESCENT AMS, OREGON
T/R-S: 21S/13E-31CCA
HOLE NAME: SAN-RD01
DATE MEASURED: 10/ 6/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
0.0	14.430	0.0
7.6	20.080	741.5
15.2	23.680	472.4
22.9	29.470	759.8
30.5	33.100	476.4
38.1	43.780	1401.6
45.7	44.670	116.8
53.3	44.580	-11.8
61.0	44.360	-28.9
68.6	43.870	-64.3
76.2	41.640	-292.7
83.8	40.380	-165.4
96.4	41.230	67.4
99.1	42.260	393.1
106.7	42.790	69.6
114.3	42.470	-42.0
121.9	41.740	-95.8
129.5	41.640	-13.1
137.2	41.350	-38.1
144.8	41.170	-23.6
152.4	41.380	27.6
160.0	40.980	-52.5
167.6	40.530	-59.1
175.3	41.280	98.4
182.9	39.150	-279.5
190.5	39.600	59.1
198.1	36.930	-350.4
205.7	38.190	165.4
213.4	37.150	-136.5
221.0	35.840	-171.9
228.6	34.380	-191.6
236.2	36.820	320.2
243.8	37.510	90.6
251.5	40.130	343.8
259.1	35.080	-662.7
266.7	32.200	-378.0
274.3	31.400	-105.0
281.9	38.060	874.0
289.6	55.390	2274.3
281.9	63.220	-1027.6
304.8	71.780	374.5

LOCATION: CRESCENT AMS, OREGON
T/R-S: 21S/13E-31CCA
HOLE NAME: SAN-RD01
DATE MEASURED: 10/ 6/83

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
312.4	85.040	1740.2
320.0	104.920	2608.9
327.7	118.780	1818.9
335.3	134.700	2089.2
342.9	147.580	1690.3
350.5	158.270	1402.9
377.3	166.000	288.2
396.2	158.000	-423.3
417.6	166.000	374.9


TEMPERATURE, DEG C
10
20
30
40
50
DEPTH, METERS
0
100
200
300
400
500
600
33S/36E- 6DD
9/15/78

LOCATION: ADEL AMS, OREGON
33S/36E- 6DD
HOLE NAME: AN-A-5R
DATE MEASURED: 9/15/78

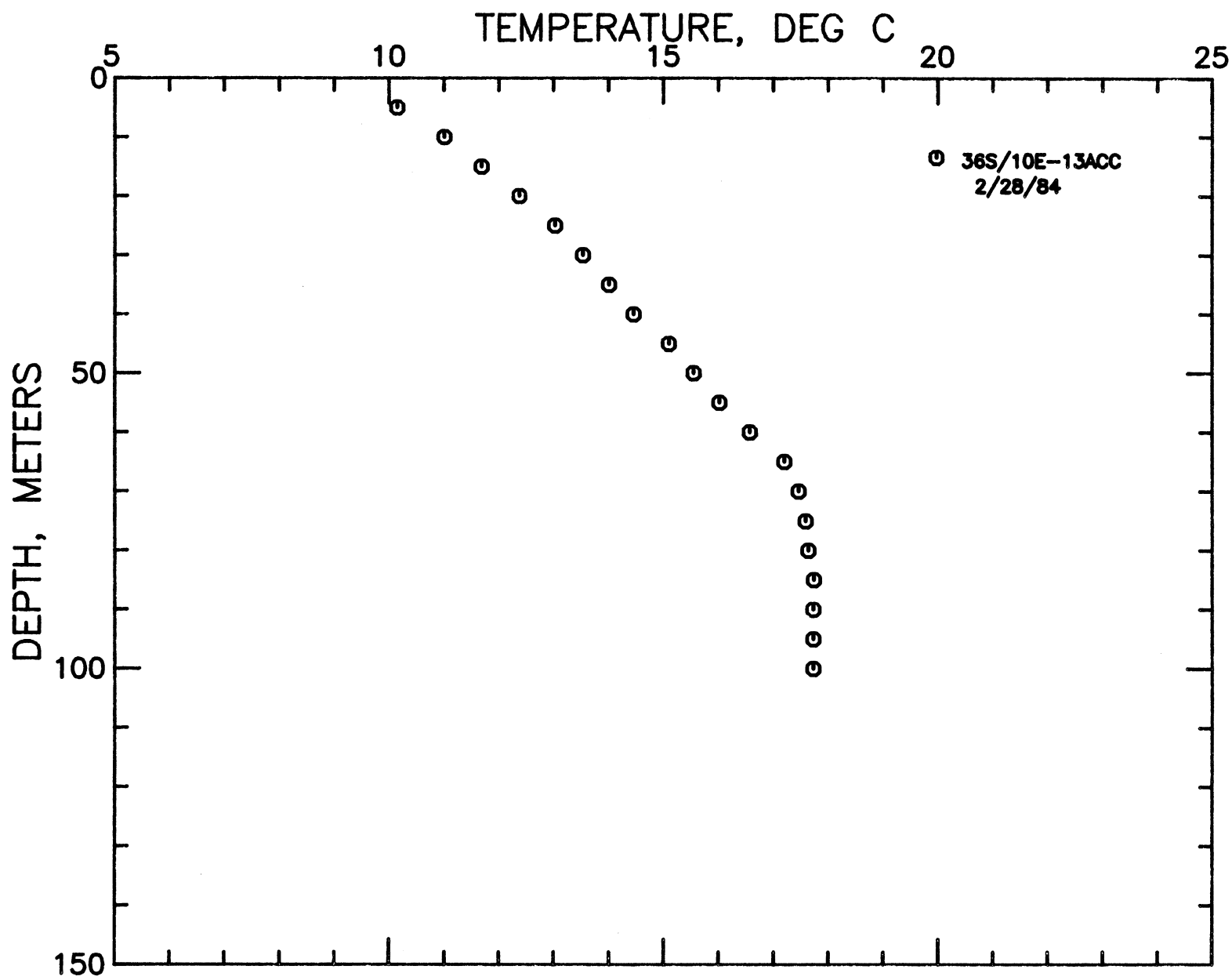
DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
6.1	20.0	18.722	65.70	0.0	0.0
12.2	40.0	20.389	68.70	273.3	15.0
18.3	60.0	22.278	72.10	309.8	17.0
24.4	80.0	23.722	74.70	236.9	13.0
30.5	100.0	24.778	76.60	173.1	9.5
36.6	120.0	26.500	79.70	282.4	15.5
42.7	140.0	27.500	81.50	164.0	9.0
48.8	160.0	28.778	83.80	209.6	11.5
54.9	180.0	28.778	83.80	0.0	0.0
61.0	200.0	29.778	85.60	164.0	9.0
67.1	220.0	30.000	86.00	36.4	2.0
73.2	240.0	30.222	86.40	36.4	2.0
79.3	260.0	30.500	86.90	45.6	2.5
85.4	280.0	30.500	86.90	0.0	0.0
91.5	300.0	30.500	86.90	0.0	0.0
97.6	320.0	30.500	86.90	0.0	0.0
103.7	340.0	30.500	86.90	0.0	0.0
109.8	360.0	30.500	86.90	0.0	0.0
115.9	380.0	30.611	87.10	18.2	1.0
122.0	400.0	30.778	87.40	27.3	1.5
128.0	420.0	30.889	87.60	18.2	1.0
134.1	440.0	31.056	87.90	27.3	1.5
140.2	460.0	31.500	88.70	72.9	4.0
146.3	480.0	31.556	88.80	9.1	0.5
152.4	500.0	31.889	89.40	54.7	3.0
158.5	520.0	31.889	89.40	0.0	0.0
164.6	540.0	32.111	89.80	36.4	2.0
170.7	560.0	32.278	90.10	27.3	1.5
176.8	580.0	32.389	90.30	18.2	1.0
182.9	600.0	32.389	90.30	0.0	0.0
189.0	620.0	32.222	90.00	-27.3	-1.5
195.1	640.0	32.278	90.10	9.1	0.5
201.2	660.0	32.278	90.10	0.0	0.0
207.3	680.0	32.778	91.00	82.0	4.5
213.4	700.0	32.778	91.00	0.0	0.0
219.5	720.0	32.778	91.00	0.0	0.0
225.6	740.0	32.778	91.00	0.0	0.0
231.7	760.0	32.889	91.20	18.2	1.0
237.8	780.0	33.111	91.60	36.4	2.0
243.9	800.0	33.278	91.90	27.3	1.5
250.0	820.0	33.611	92.50	54.7	3.0

LOCATION: ADEL AMS, OREGON
339/36E- 6DD
HOLE NAME: AN-A-5R
DATE MEASURED: 9/15/78

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
256.1	840.0	33.722	92.70	18.2	1.0
262.2	860.0	33.889	93.00	27.3	1.5
268.3	880.0	34.000	93.20	18.2	1.0
274.4	900.0	34.222	93.60	36.4	2.0
280.5	920.0	34.278	93.70	9.1	0.5
286.6	940.0	34.500	94.10	36.4	2.0
292.7	960.0	34.722	94.50	36.4	2.0
298.8	980.0	34.889	94.80	27.3	1.5
304.9	1000.0	35.111	95.20	36.4	2.0
311.0	1020.0	35.278	95.50	27.3	1.5
317.1	1040.0	35.500	95.90	36.4	2.0
323.2	1060.0	35.722	96.30	36.4	2.0
329.3	1080.0	35.889	96.60	27.3	1.5
335.4	1100.0	36.222	97.20	54.7	3.0
341.5	1120.0	36.278	97.30	9.1	0.5
347.6	1140.0	36.611	97.90	54.7	3.0
353.7	1160.0	36.778	98.20	27.3	1.5
359.8	1180.0	37.000	98.60	36.4	2.0
365.9	1200.0	37.389	99.30	63.8	3.5
372.0	1220.0	37.611	99.70	36.4	2.0
378.0	1240.0	37.778	100.00	27.3	1.5
384.1	1260.0	38.111	100.60	54.7	3.0
390.2	1280.0	38.389	101.10	45.6	2.5
396.3	1300.0	38.500	101.30	18.2	1.0
402.4	1320.0	38.778	101.80	45.6	2.5
408.5	1340.0	39.111	102.40	54.7	3.0
414.6	1360.0	39.389	102.90	45.6	2.5
420.7	1380.0	39.778	103.60	63.8	3.5
426.8	1400.0	40.111	104.20	54.7	3.0
432.9	1420.0	40.389	104.70	45.6	2.5
439.0	1440.0	40.722	105.30	54.7	3.0
445.1	1460.0	41.000	105.80	45.6	2.5
451.2	1480.0	41.389	106.50	63.8	3.5
457.3	1500.0	41.611	106.90	36.4	2.0
463.4	1520.0	42.000	107.60	63.8	3.5
469.5	1540.0	42.556	108.60	91.1	5.0
475.6	1560.0	42.722	108.90	27.3	1.5
481.7	1580.0	43.000	109.40	45.6	2.5
487.8	1600.0	43.389	110.10	63.8	3.5
493.9	1620.0	43.778	110.80	63.8	3.5
500.0	1640.0	44.111	111.40	54.7	3.0

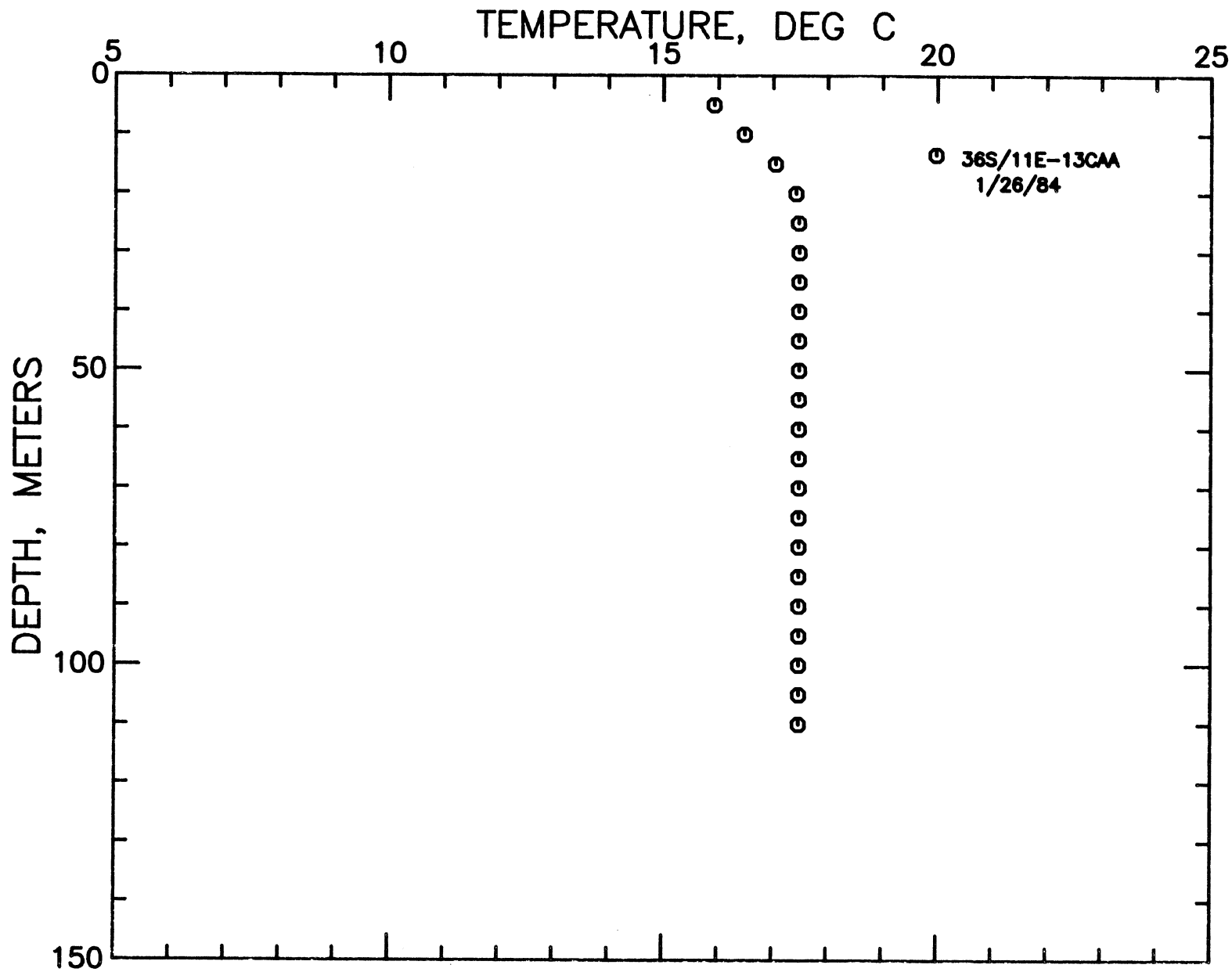
LOCATION: ADEL AMS, OREGON
33S/36E- 6DD
HOLE NAME: AN-A-5R
DATE MEASURED: 9/15/78

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
506.1	1660.0	44.500	112.10	63.8	3.5
512.2	1680.0	44.778	112.60	45.6	2.5
518.3	1700.0	45.222	113.40	72.9	4.0
524.4	1720.0	45.611	114.10	63.8	3.5
530.5	1740.0	46.000	114.80	63.8	3.5
533.5	1750.0	46.389	115.50	127.6	7.0


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
36S/10E-13ACC
2/28/84

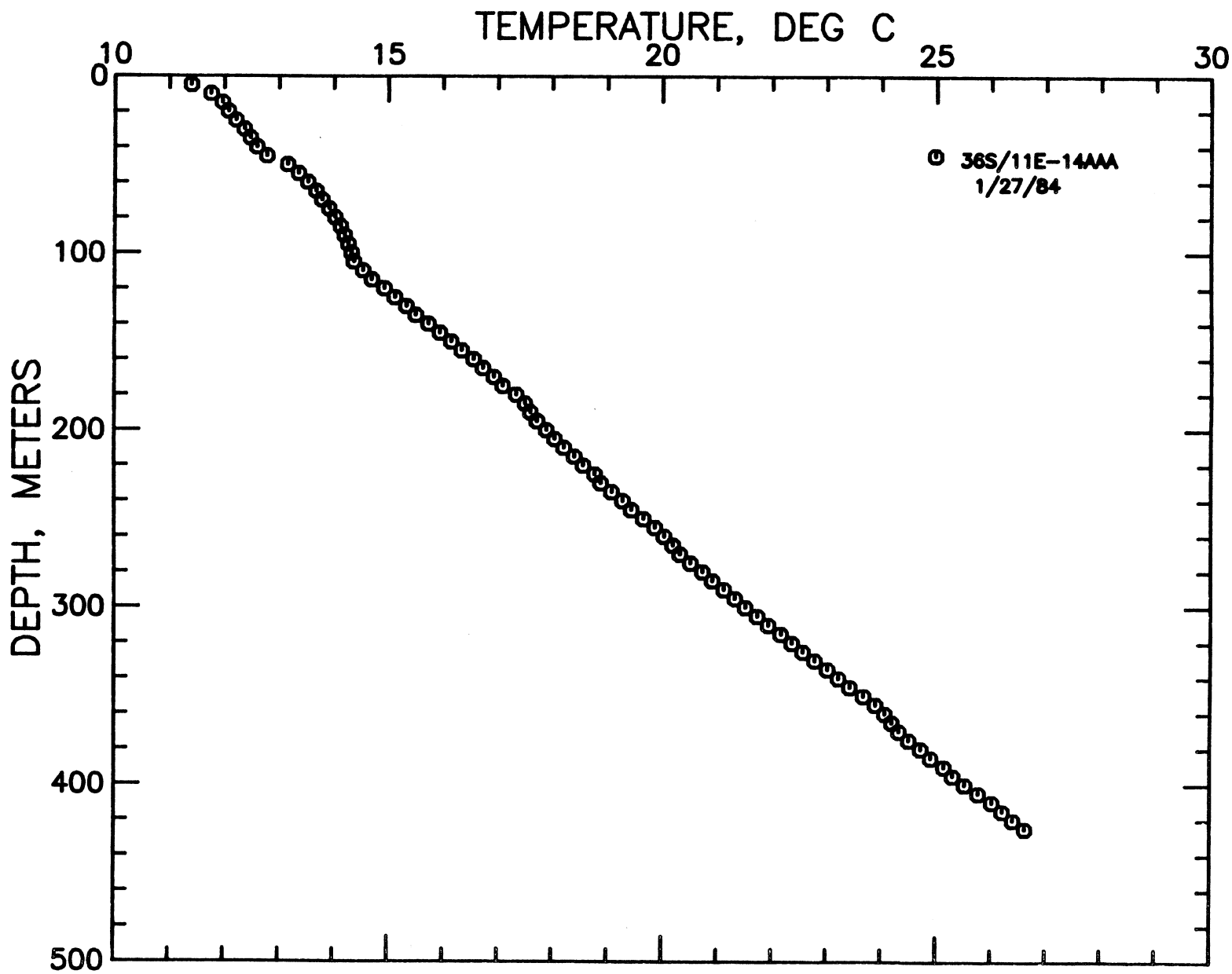
LOCATION: KLAMATH FALLS AMS, ORE
T/R-S: 36S/10E-13ACC
HOLE NAME: RT U-832
DATE MEASURED: 2/28/84

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	10.150	0.0
10.0	11.010	172.0
15.0	11.690	136.0
20.0	12.380	138.0
25.0	13.030	130.0
30.0	13.540	102.0
35.0	14.010	94.0
40.0	14.460	90.0
45.0	15.100	128.0
50.0	15.550	90.0
55.0	16.020	94.0
60.0	16.570	110.0
65.0	17.200	126.0
70.0	17.460	52.0
75.0	17.590	26.0
80.0	17.640	10.0
85.0	17.740	20.0
90.0	17.730	-2.0
95.0	17.730	0.0
100.0	17.730	0.0


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
36S/11E-13CAA
1/26/84

LOCATION: KLAMATH FALLS AMS, ORE
T/R-S: 36S/11E-13CAA
HOLE NAME: SMITH
DATE MEASURED: 1/26/84

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	15.920	0.0
10.0	16.470	110.0
15.0	17.040	114.0
20.0	17.420	76.0
25.0	17.470	10.0
30.0	17.480	2.0
35.0	17.480	0.0
40.0	17.480	0.0
45.0	17.480	0.0
50.0	17.480	0.0
55.0	17.480	0.0
60.0	17.480	0.0
65.0	17.480	0.0
70.0	17.480	0.0
75.0	17.480	0.0
80.0	17.480	0.0
85.0	17.480	0.0
90.0	17.480	0.0
95.0	17.480	0.0
100.0	17.480	0.0
105.0	17.480	0.0
110.0	17.480	0.0


TEMPERATURE, DEG C
10
15
20
25
30
0
100
200
300
400
500
DEPTH, METERS
36S/11E-14AAA
1/27/84

LOCATION: KLAMATH FALLS AMS, ORE
T/R-S: 36S/11E-14AAA
HOLE NAME: HICKEY
DATE MEASURED: 1/27/84

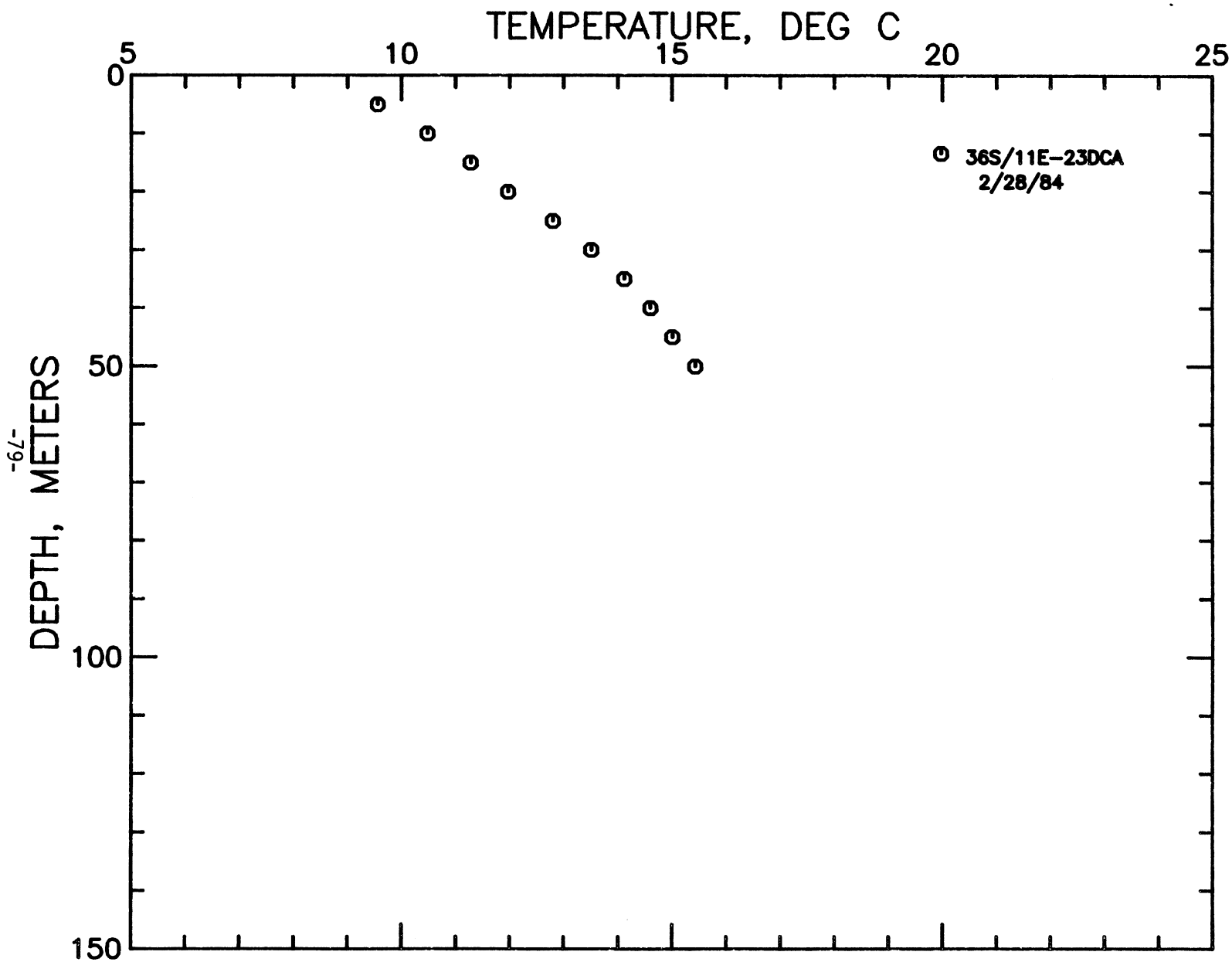
DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	11.400	0.0
10.0	11.760	72.0
15.0	11.970	42.0
20.0	12.080	22.0
25.0	12.220	28.0
30.0	12.370	30.0
35.0	12.480	22.0
40.0	12.600	24.0
45.0	12.780	36.0
50.0	13.160	76.0
55.0	13.360	40.0
60.0	13.530	34.0
65.0	13.680	30.0
70.0	13.790	22.0
75.0	13.920	26.0
80.0	14.030	22.0
85.0	14.130	20.0
90.0	14.200	14.0
95.0	14.270	14.0
100.0	14.330	12.0
105.0	14.370	8.0
110.0	14.540	34.0
115.0	14.700	32.0
120.0	14.930	46.0
125.0	15.120	38.0
130.0	15.330	42.0
135.0	15.500	34.0
140.0	15.730	46.0
145.0	15.940	42.0
150.0	16.150	42.0
155.0	16.340	38.0
160.0	16.560	44.0
165.0	16.730	34.0
170.0	16.930	40.0
175.0	17.090	32.0
180.0	17.340	50.0
185.0	17.500	32.0
190.0	17.600	20.0
195.0	17.720	24.0
200.0	17.890	34.0
205.0	18.040	30.0

LOCATION: KLAMATH FALLS AMS, ORE
T/R-S: 36S/11E-14AAA
HOLE NAME: HICKEY
DATE MEASURED: 1/27/84

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
210.0	18.210	34.0
215.0	18.400	38.0
220.0	18.560	32.0
225.0	18.770	42.0
230.0	18.880	22.0
235.0	19.080	40.0
240.0	19.280	40.0
245.0	19.440	32.0
250.0	19.660	44.0
255.0	19.870	42.0
260.0	20.040	34.0
265.0	20.200	32.0
270.0	20.330	26.0
275.0	20.520	38.0
280.0	20.740	44.0
285.0	20.920	36.0
290.0	21.130	42.0
295.0	21.330	40.0
300.0	21.520	38.0
305.0	21.740	44.0
310.0	21.940	40.0
315.0	22.170	46.0
320.0	22.370	40.0
325.0	22.570	40.0
330.0	22.790	44.0
335.0	23.020	46.0
340.0	23.220	40.0
345.0	23.430	42.0
350.0	23.680	50.0
355.0	23.900	44.0
360.0	24.070	34.0
365.0	24.200	26.0
370.0	24.330	26.0
375.0	24.510	36.0
380.0	24.730	44.0
385.0	24.910	36.0
390.0	25.150	48.0
395.0	25.310	32.0
400.0	25.530	44.0
405.0	25.780	50.0
410.0	26.030	50.0

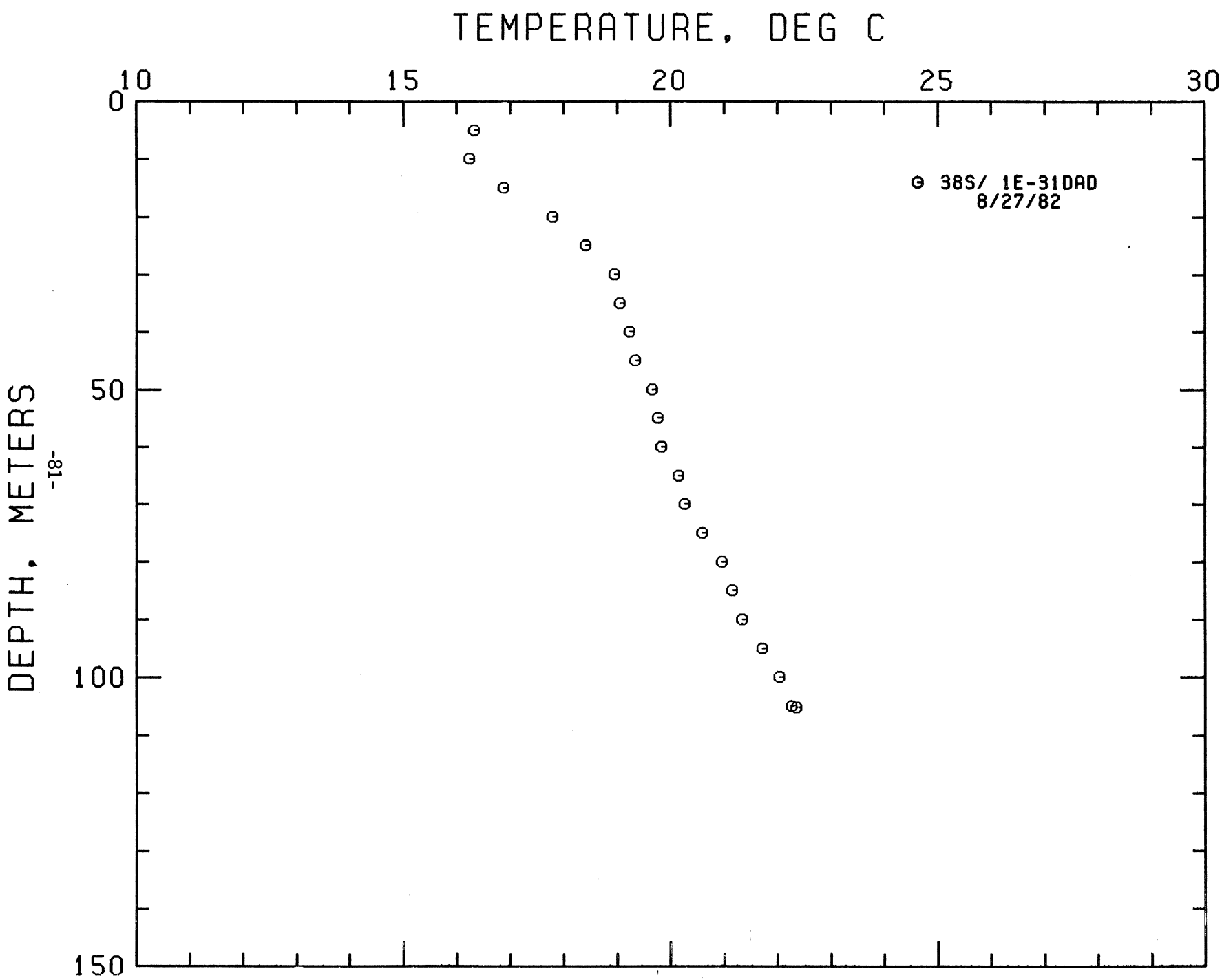
LOCATION: KLAMATH FALLS AMS, ORE
T/R-S: 36S/11E-14AAA
HOLE NAME: HICKEY
DATE MEASURED: 1/27/84

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
415.0	26.220	38.0
420.0	26.410	38.0
425.0	26.630	44.0


TEMPERATURE, DEG C
5
10
15
20
25
0
50
100
150
DEPTH, METERS
36S/11E-23DCA
2/28/84

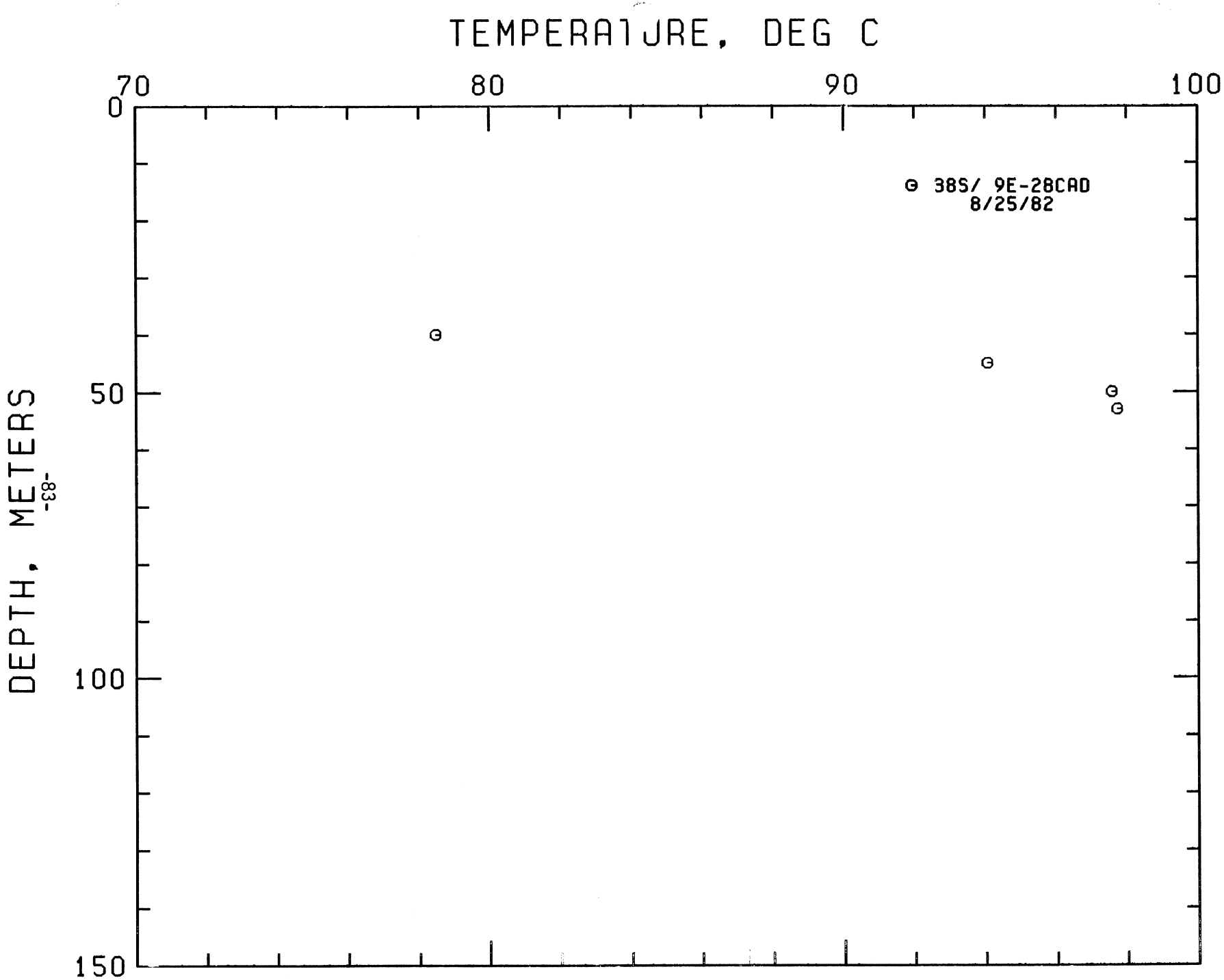
LOCATION: KLAMATH FALLS AMS, ORE
T/R-S: 36S/11E-23DCA
HOLE NAME: VIEIRA
DATE MEASURED: 2/28/84

DEPTH METERS	TEMPERATURE DEG C	GRADIENT DEG C/KM
5.0	9.560	0.0
10.0	10.480	184.0
15.0	11.280	160.0
20.0	11.970	138.0
25.0	12.800	166.0
30.0	13.510	142.0
35.0	14.120	122.0
40.0	14.600	96.0
45.0	15.010	82.0
50.0	15.430	84.0


TEMPERATURE, DEG C
10
15
20
25
30
0
50
100
150
DEPTH, METERS
38S/ 1E-31DAD
8/27/82

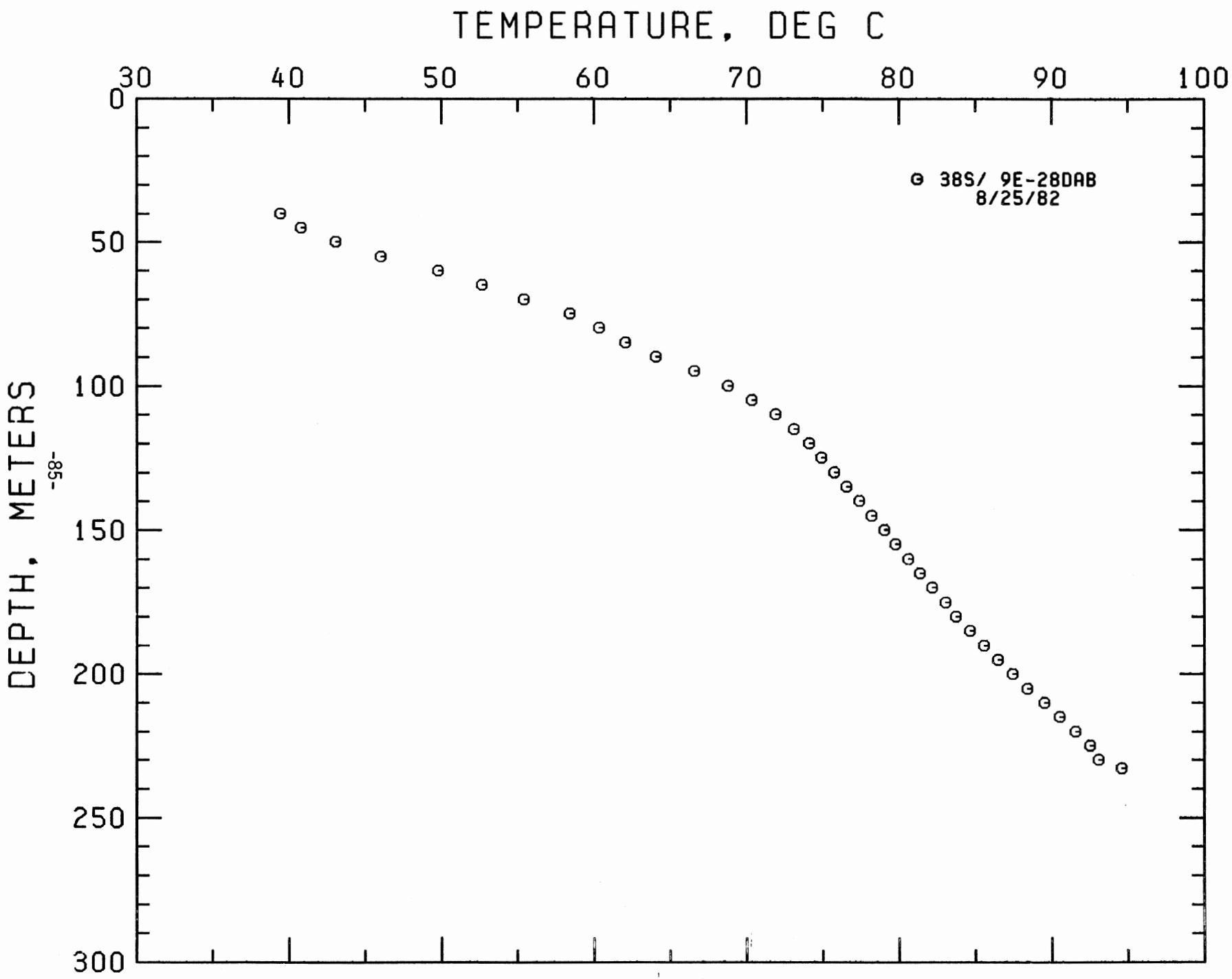
LOCATION: MEDFORD AMS, OREGON
38S/ 1E-31DAD
HOLE NAME: DOGMI-BF
DATE MEASURED: 8/27/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	16.4	16.330	61.39	0.0	0.0
10.0	32.8	16.240	61.23	-18.0	-1.0
15.0	49.2	16.880	62.38	128.0	7.0
20.0	65.6	17.790	64.02	182.0	10.0
25.0	82.0	18.410	65.14	124.0	6.8
30.0	98.4	18.950	66.11	108.0	5.9
35.0	114.8	19.050	66.29	20.0	1.1
40.0	131.2	19.230	66.61	36.0	2.0
45.0	147.6	19.340	66.81	22.0	1.2
50.0	164.0	19.660	67.39	64.0	3.5
55.0	180.4	19.760	67.57	20.0	1.1
60.0	196.8	19.830	67.69	14.0	0.8
65.0	213.2	20.150	68.27	64.0	3.5
70.0	229.6	20.260	68.47	22.0	1.2
75.0	246.0	20.590	69.06	66.0	3.6
80.0	262.4	20.960	69.73	74.0	4.1
85.0	278.8	21.150	70.07	38.0	2.1
90.0	295.2	21.340	70.41	38.0	2.1
95.0	311.6	21.710	71.08	74.0	4.1
100.0	328.0	22.030	71.65	64.0	3.5
105.0	344.4	22.260	72.07	46.0	2.5
105.2	345.2	22.350	72.23	360.0	19.8


TEMPERATURE, DEG C
70
80
90
100
0
50
100
150
DEPTH, METERS
38S/ 9E-28CAD
8/25/82

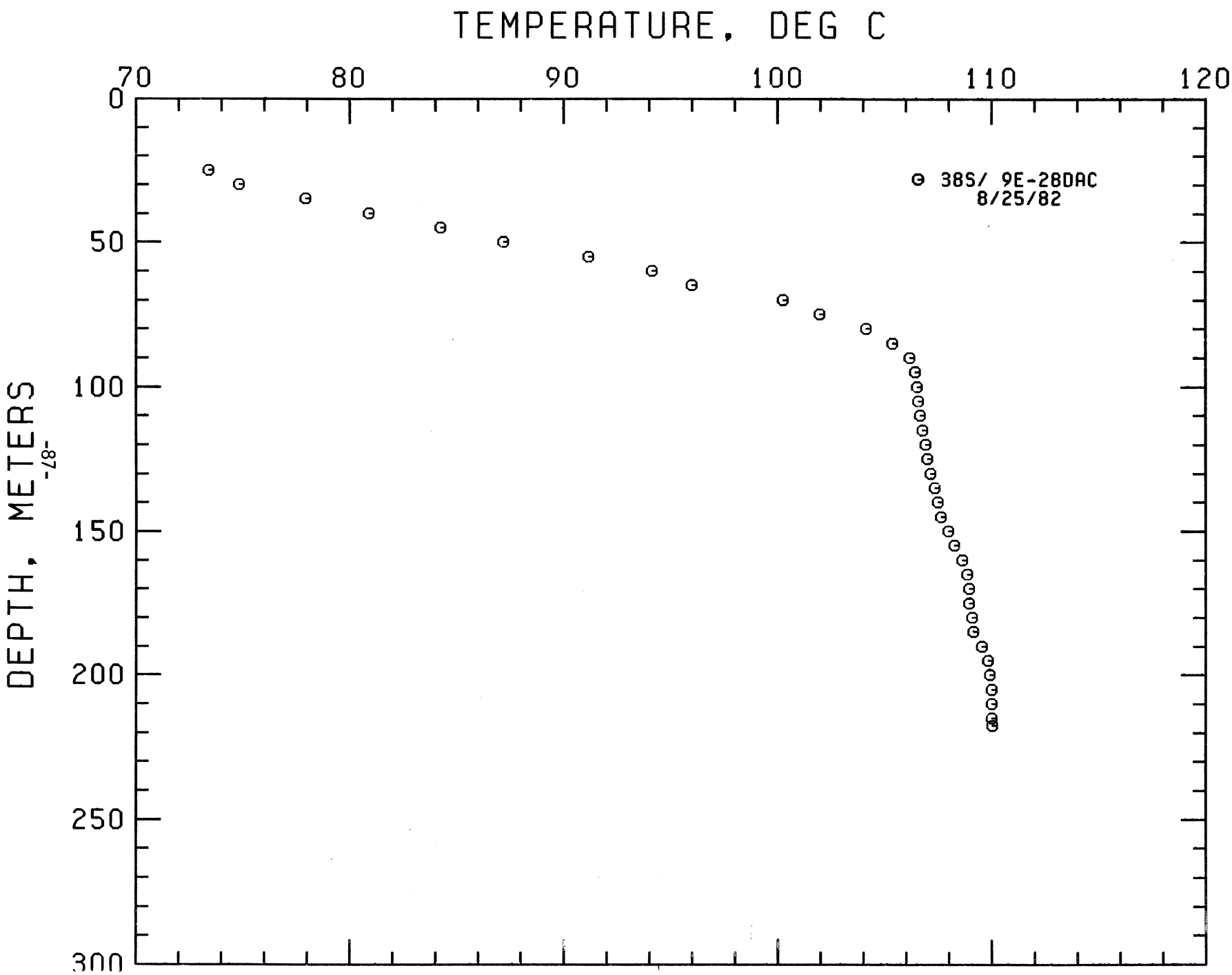
LOCATION: KLAMATH FALLS AMS, ORE
38S/ 9E-28CAD
HOLE NAME: STANKE
DATE MEASURED: 8/25/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
40.0	131.2	78.480	173.26	0.0	0.0
45.0	147.6	94.060	201.31	3116.0	171.0
50.0	164.0	97.580	207.64	704.0	38.6
53.0	173.8	97.730	207.91	50.0	2.7


TEMPERATURE, DEG C
30
40
50
60
70
80
90
100
DEPTH, METERS
0
50
100
150
200
250
300
38S/ 9E-28DAB
8/25/82

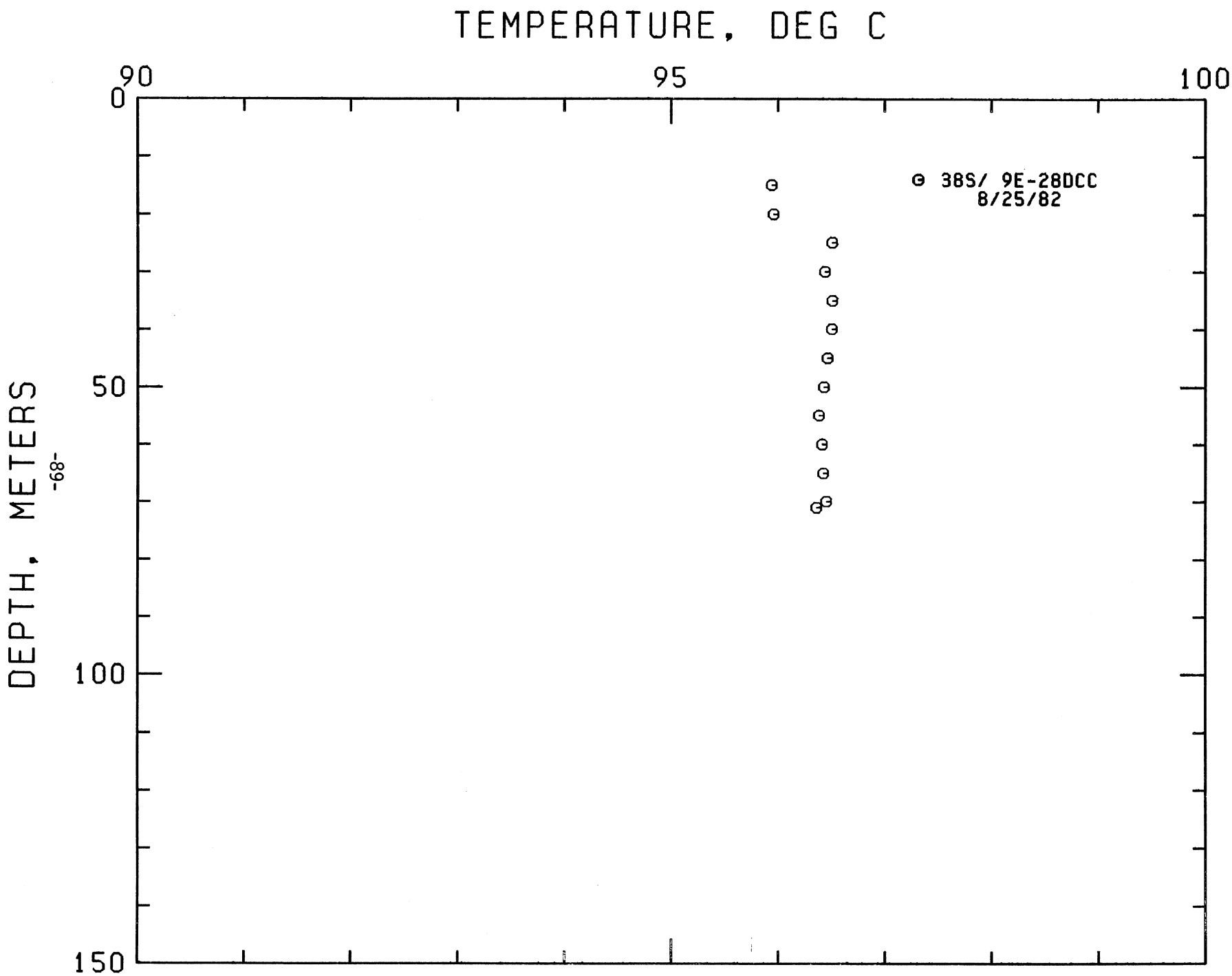
LOCATION: KLAMATH FALLS AMS, ORE
38S/ 9E-28DAB
HOLE NAME: OLSON
DATE MEASURED: 8/25/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
40.0	131.2	39.420	102.96	0.0	0.0
45.0	147.6	40.790	105.42	274.0	15.0
50.0	164.0	43.070	109.53	456.0	25.0
55.0	180.4	46.030	114.85	592.0	32.5
60.0	196.8	49.810	121.66	756.0	41.5
65.0	213.2	52.670	126.81	572.0	31.4
70.0	229.6	55.430	131.77	552.0	30.3
75.0	246.0	58.430	137.17	600.0	32.9
80.0	262.4	60.350	140.63	384.0	21.1
85.0	278.8	62.090	143.76	348.0	19.1
90.0	295.2	64.060	147.31	394.0	21.6
95.0	311.6	66.590	151.86	506.0	27.8
100.0	328.0	68.790	155.82	440.0	24.1
105.0	344.4	70.350	158.63	312.0	17.1
110.0	360.8	71.920	161.46	314.0	17.2
115.0	377.2	73.130	163.63	242.0	13.3
120.0	393.6	74.100	165.38	194.0	10.6
125.0	410.0	74.900	166.82	160.0	8.8
130.0	426.4	75.740	168.33	168.0	9.2
135.0	442.8	76.570	169.83	166.0	9.1
140.0	459.2	77.390	171.30	164.0	9.0
145.0	475.6	78.180	172.72	158.0	8.7
150.0	492.0	79.030	174.25	170.0	9.3
155.0	508.4	79.770	175.59	148.0	8.1
160.0	524.8	80.580	177.04	162.0	8.9
165.0	541.2	81.370	178.47	158.0	8.7
170.0	557.6	82.150	179.87	156.0	8.6
175.0	574.0	83.020	181.44	174.0	9.5
180.0	590.4	83.730	182.71	142.0	7.8
185.0	606.8	84.620	184.32	178.0	9.8
190.0	623.2	85.540	185.97	184.0	10.1
195.0	639.6	86.490	187.68	190.0	10.4
200.0	656.0	87.440	189.39	190.0	10.4
205.0	672.4	88.390	191.10	190.0	10.4
210.0	688.8	89.520	193.14	226.0	12.4
215.0	705.2	90.510	194.92	198.0	10.9
220.0	721.6	91.540	196.77	206.0	11.3
225.0	738.0	92.520	198.54	196.0	10.8
230.0	754.4	93.060	199.51	108.0	5.9
233.0	764.2	94.600	202.28	513.3	28.2


TEMPERATURE, DEG C
70
80
90
100
110
120
DEPTH, METERS
0
50
100
150
200
250
300
38S/ 9E-28DAC
8/25/82

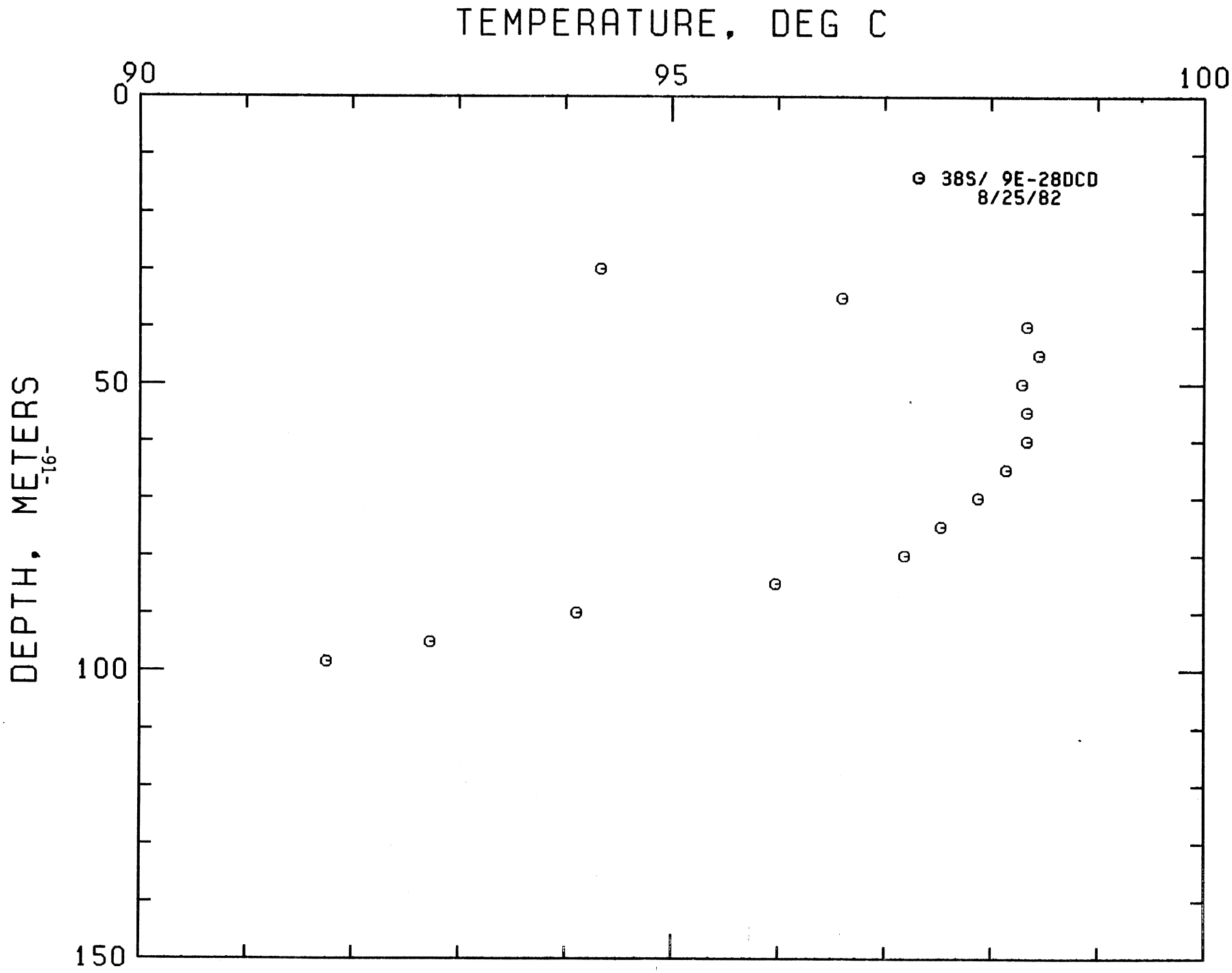
LOCATION: KLAMATH FALLS AMS, ORE
38S/ 9E-28DAC
HOLE NAME: PARKS
DATE MEASURED: 8/25/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
25.0	82.0	73.400	164.12	0.0	0.0
30.0	98.4	74.820	166.68	284.0	15.6
35.0	114.8	77.940	172.29	624.0	34.2
40.0	131.2	80.910	177.64	594.0	32.6
45.0	147.6	84.250	183.65	668.0	36.7
50.0	164.0	87.200	188.96	590.0	32.4
55.0	180.4	91.170	196.11	794.0	43.6
60.0	196.8	94.150	201.47	596.0	32.7
65.0	213.2	96.000	204.80	370.0	20.3
70.0	229.6	100.260	212.47	852.0	46.8
75.0	246.0	101.970	215.55	342.0	18.8
80.0	262.4	104.150	219.47	436.0	23.9
85.0	278.8	105.370	221.67	244.0	13.4
90.0	295.2	106.170	223.11	160.0	8.8
95.0	311.6	106.440	223.59	54.0	3.0
100.0	328.0	106.610	223.72	14.0	0.8
105.0	344.4	106.680	223.84	14.0	0.8
110.0	360.8	106.650	223.97	14.0	0.8
115.0	377.2	106.760	224.20	26.0	1.4
120.0	393.6	106.920	224.46	28.0	1.5
125.0	410.0	106.990	224.58	14.0	0.8
130.0	426.4	107.130	224.83	28.0	1.5
135.0	442.8	107.340	225.21	42.0	2.3
140.0	459.2	107.480	225.46	28.0	1.5
145.0	475.6	107.620	225.72	28.0	1.5
150.0	492.0	107.980	226.36	72.0	4.0
155.0	508.4	108.270	226.89	58.0	3.2
160.0	524.8	108.630	227.53	72.0	4.0
165.0	541.2	108.850	227.93	44.0	2.4
170.0	557.6	108.930	228.07	16.0	0.9
175.0	574.0	108.930	228.07	0.0	0.0
180.0	590.4	109.080	228.34	30.0	1.6
185.0	606.8	109.150	228.47	14.0	0.8
190.0	623.2	109.530	229.15	76.0	4.2
195.0	639.6	109.830	229.69	60.0	3.3
200.0	656.0	109.910	229.84	16.0	0.9
205.0	672.4	109.990	229.98	16.0	0.9
210.0	688.8	109.990	229.98	0.0	0.0
215.0	705.2	109.990	229.98	0.0	0.0
217.5	713.4	110.040	230.07	20.0	1.1


TEMPERATURE, DEG C
90
95
100
0
50
100
150
DEPTH, METERS
38S/ 9E-28DCC
8/25/82

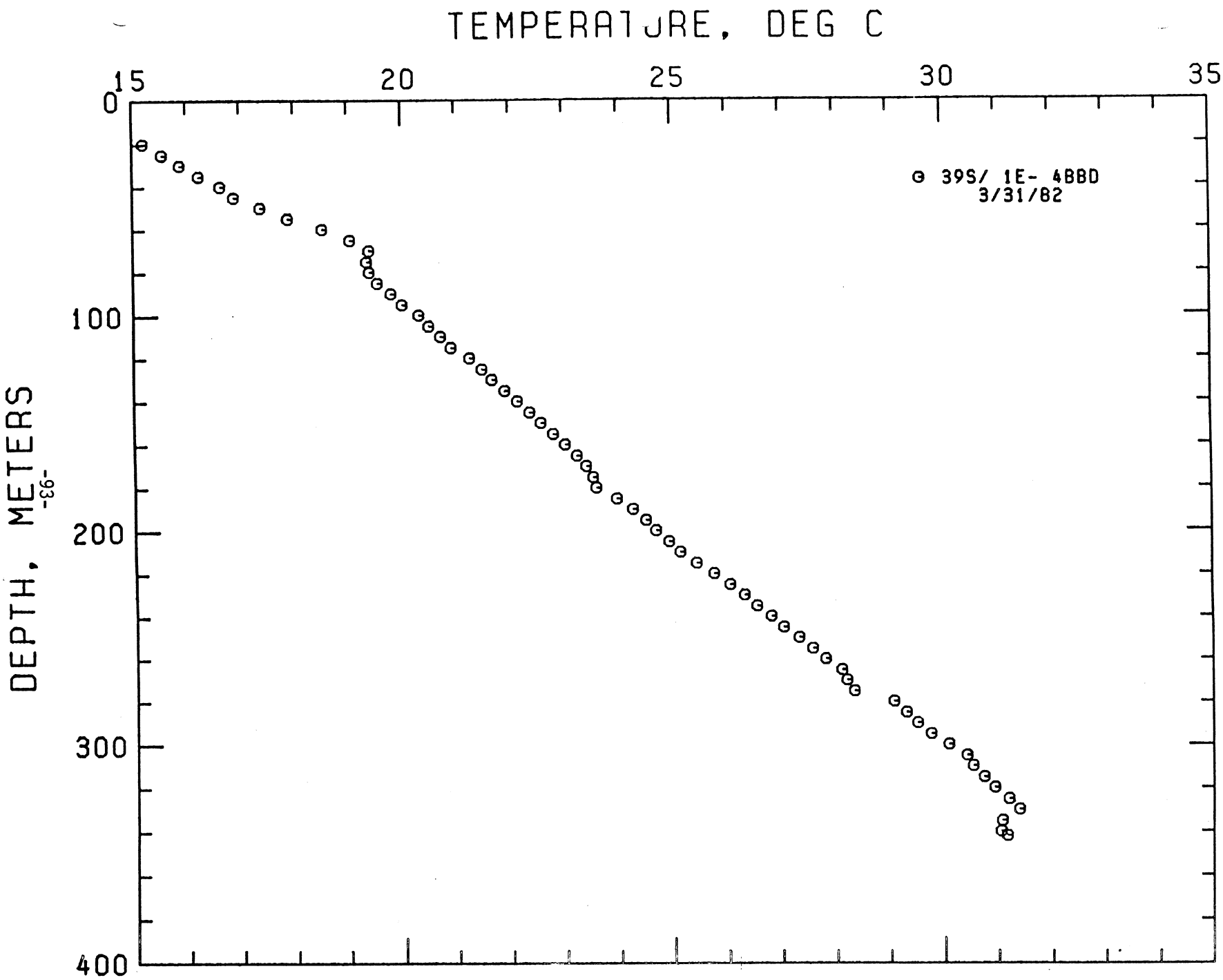
LOCATION: KLAMATH FALLS AMS, ORE
38S/ 9E-28DCC
HOLE NAME: ADAMSCHK
DATE MEASURED: 8/25/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
15.0	49.2	95.940	204.69	0.0	0.0
20.0	65.6	95.960	204.78	4.0	0.2
25.0	82.0	96.510	205.72	110.0	6.0
30.0	98.4	96.440	205.59	-14.0	-0.8
35.0	114.8	96.510	205.72	14.0	0.8
40.0	131.2	96.500	205.70	-2.0	-0.1
45.0	147.6	96.460	205.63	-8.0	-0.4
50.0	164.0	96.430	205.57	-6.0	-0.3
55.0	180.4	96.380	205.48	-10.0	-0.5
60.0	196.8	96.410	205.54	6.0	0.3
65.0	213.2	96.420	205.56	2.0	0.1
70.0	229.6	96.450	205.61	6.0	0.3
71.0	232.9	96.360	205.45	-90.0	-4.9


TEMPERATURE, DEG C
90
95
100
0
50
100
150
DEPTH, METERS
38S/ 9E-28DCD
8/25/82

LOCATION: KLAMATH FALLS AMS, ORE
38S/ 9E-28DCD
HOLE NAME: CARROL
DATE MEASURED: 8/25/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
30.0	98.4	94.330	201.79	0.0	0.0
35.0	114.8	96.600	205.88	454.0	24.9
40.0	131.2	98.340	209.01	348.0	19.1
45.0	147.6	98.450	209.21	22.0	1.2
50.0	164.0	98.290	208.92	-32.0	-1.8
55.0	180.4	98.340	209.01	10.0	0.5
60.0	196.8	98.340	209.01	0.0	0.0
65.0	213.2	98.140	208.65	-40.0	-2.2
70.0	229.6	97.880	208.18	-52.0	-2.9
75.0	246.0	97.530	207.55	-70.0	-3.8
80.0	262.4	97.190	206.94	-68.0	-3.7
85.0	278.8	95.980	204.76	-242.0	-13.3
90.0	295.2	94.110	201.40	-374.0	-20.5
95.0	311.6	92.730	198.91	-276.0	-15.1
98.5	323.1	91.760	197.17	-277.1	-15.2

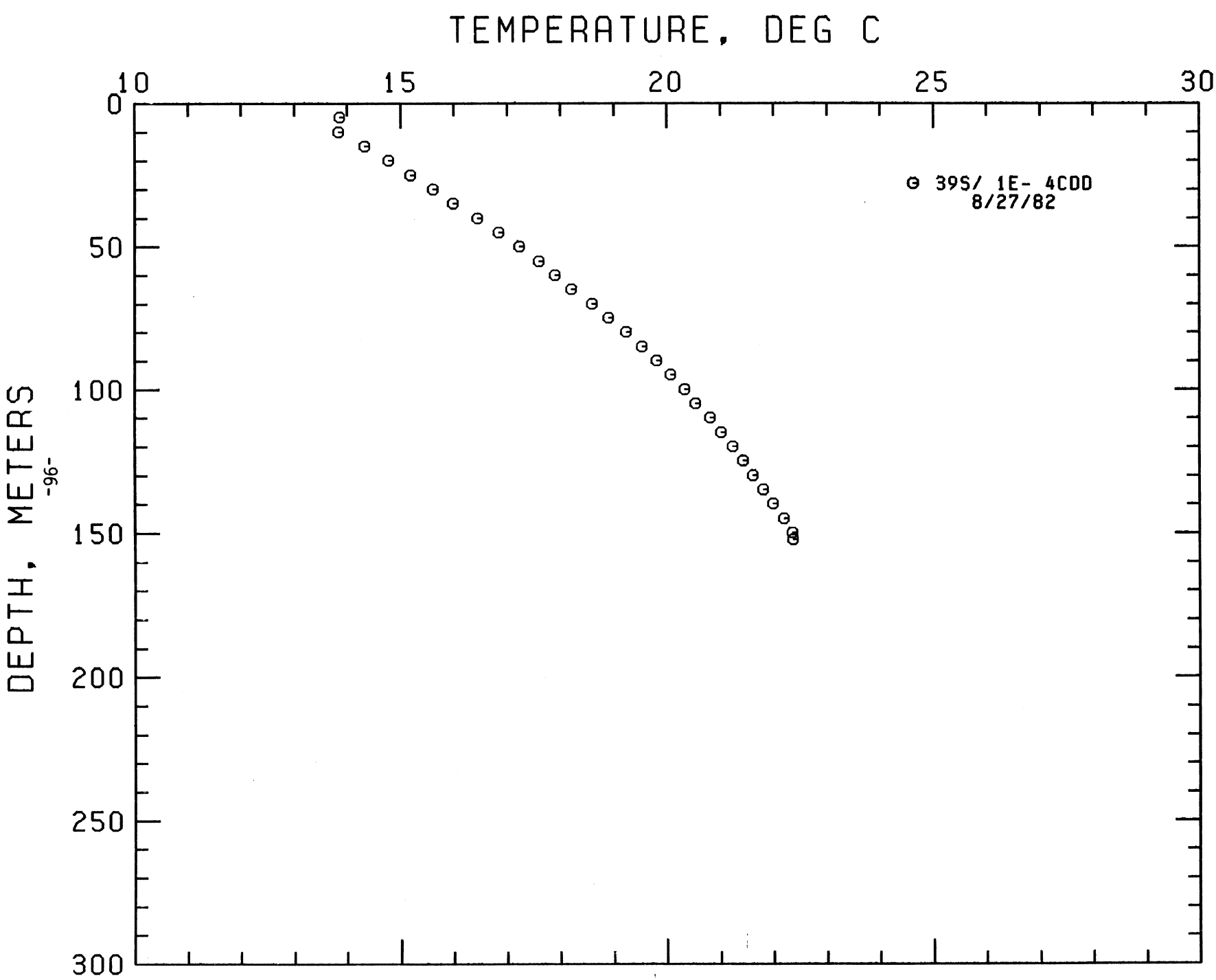

TEMPERATURE, DEG C
15
20
25
30
35
0
100
200
300
400
DEPTH, METERS
39S/ 1E- 4BBD
3/31/82

LOCATION: MEDFORD AMS, ORE.
39S/ 1E- 4BBD
HOLE NAME: ASHGH
DATE MEASURED: 3/31/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
20.0	65.6	15.200	59.36	0.0	0.0
25.0	82.0	15.560	60.01	72.0	4.0
30.0	98.4	15.890	60.60	66.0	3.6
35.0	114.8	16.250	61.25	72.0	4.0
40.0	131.2	16.650	61.97	80.0	4.4
45.0	147.6	16.900	62.42	50.0	2.7
50.0	164.0	17.390	63.30	98.0	5.4
55.0	180.4	17.900	64.22	102.0	5.6
60.0	196.8	18.540	65.37	128.0	7.0
65.0	213.2	19.060	66.31	104.0	5.7
70.0	229.6	19.410	66.94	70.0	3.8
75.0	246.0	19.360	66.85	-10.0	-0.5
80.0	262.4	19.410	66.94	10.0	0.5
85.0	278.8	19.560	67.21	30.0	1.6
90.0	295.2	19.810	67.66	50.0	2.7
95.0	311.6	20.020	68.04	42.0	2.3
100.0	328.0	20.320	68.58	60.0	3.3
105.0	344.4	20.510	68.92	38.0	2.1
110.0	360.8	20.720	69.30	42.0	2.3
115.0	377.2	20.920	69.66	40.0	2.2
120.0	393.6	21.260	70.27	68.0	3.7
125.0	410.0	21.490	70.68	46.0	2.5
130.0	426.4	21.670	71.01	36.0	2.0
135.0	442.8	21.910	71.44	48.0	2.6
140.0	459.2	22.140	71.85	46.0	2.5
145.0	475.6	22.370	72.27	46.0	2.5
150.0	492.0	22.580	72.64	42.0	2.3
155.0	508.4	22.810	73.06	46.0	2.5
160.0	524.8	23.020	73.44	42.0	2.3
165.0	541.2	23.240	73.83	44.0	2.4
170.0	557.6	23.410	74.14	34.0	1.9
175.0	574.0	23.540	74.37	26.0	1.4
180.0	590.4	23.590	74.46	10.0	0.5
185.0	606.8	23.970	75.15	76.0	4.2
190.0	623.2	24.270	75.69	60.0	3.3
195.0	639.6	24.510	76.12	48.0	2.6
200.0	656.0	24.690	76.44	36.0	2.0
205.0	672.4	24.930	76.87	48.0	2.6
210.0	688.8	25.140	77.25	42.0	2.3
215.0	705.2	25.430	77.77	58.0	3.2
220.0	721.6	25.750	78.35	64.0	3.5

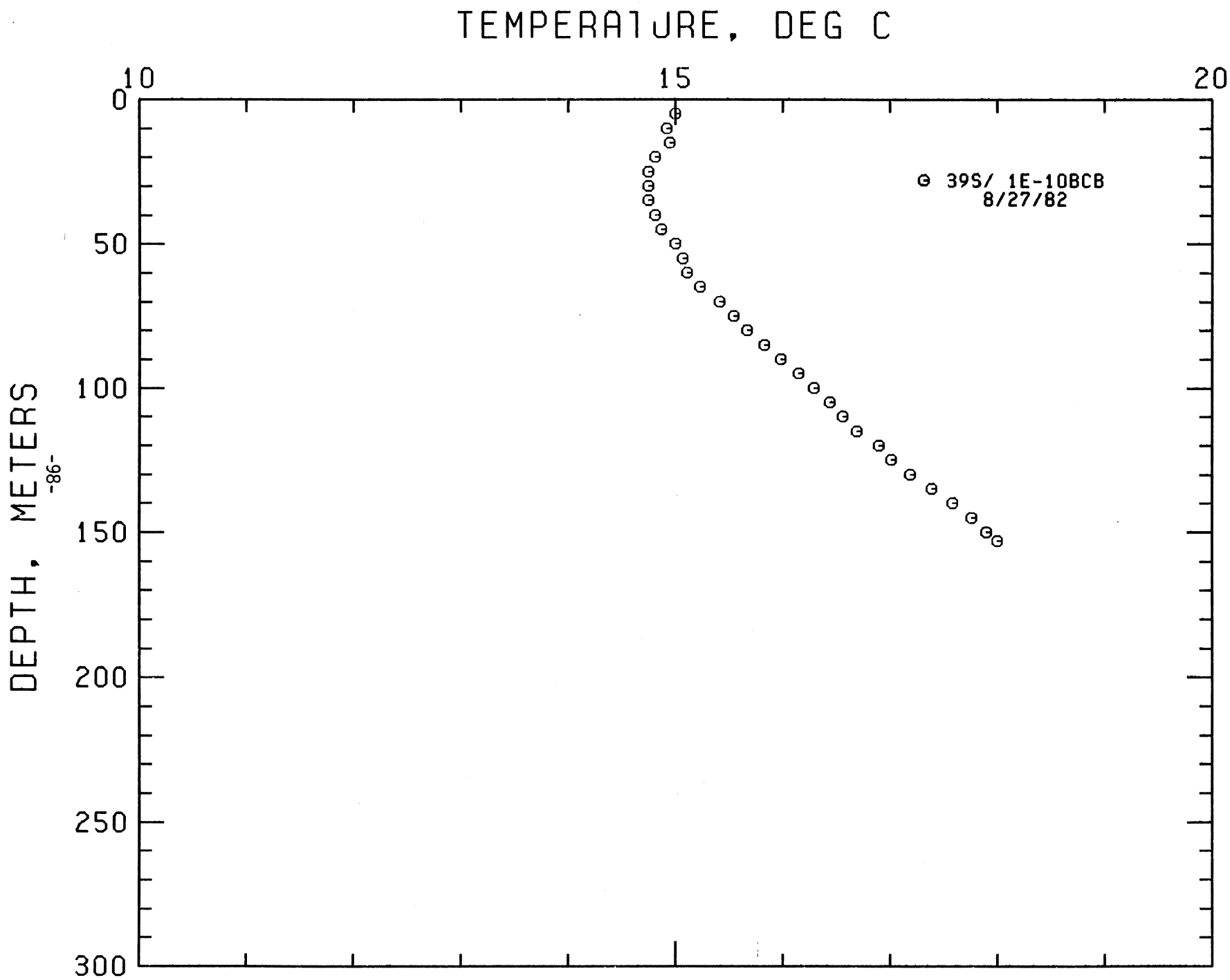
LOCATION: MEDFORD AMS, ORE. PAGE 2
39S/ 1E- 4BBD
HOLE NAME: ASHGH
DATE MEASURED: 3/31/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
225.0	738.0	26.050	78.89	60.0	3.3
230.0	754.4	26.310	79.36	52.0	2.9
235.0	770.8	26.540	79.77	46.0	2.5
240.0	787.2	26.800	80.24	52.0	2.9
245.0	803.6	27.040	80.67	48.0	2.6
250.0	820.0	27.320	81.18	56.0	3.1
255.0	836.4	27.570	81.63	50.0	2.7
260.0	852.8	27.810	82.06	48.0	2.6
265.0	869.2	28.110	82.60	60.0	3.3
270.0	885.6	28.200	82.76	18.0	1.0
275.0	902.0	28.340	83.01	28.0	1.5
280.0	918.4	29.070	84.33	146.0	8.0
285.0	934.8	29.300	84.74	46.0	2.5
290.0	951.2	29.500	85.10	40.0	2.2
295.0	967.6	29.750	85.55	50.0	2.7
300.0	984.0	30.080	86.14	66.0	3.6
305.0	1000.4	30.420	86.76	68.0	3.7
310.0	1016.8	30.530	86.95	22.0	1.2
315.0	1033.2	30.740	87.33	42.0	2.3
320.0	1049.6	30.930	87.67	38.0	2.1
325.0	1066.0	31.190	88.14	52.0	2.9
330.0	1082.4	31.390	88.50	40.0	2.2
335.0	1098.8	31.070	87.93	-64.0	-3.5
340.0	1115.2	31.050	87.89	-4.0	-0.2
342.0	1121.8	31.160	88.09	55.0	3.0


TEMPERATURE, DEG C
10
15
20
25
30
DEPTH, METERS
0
50
100
150
200
250
300
39S/ 1E- 4CDD
8/27/82

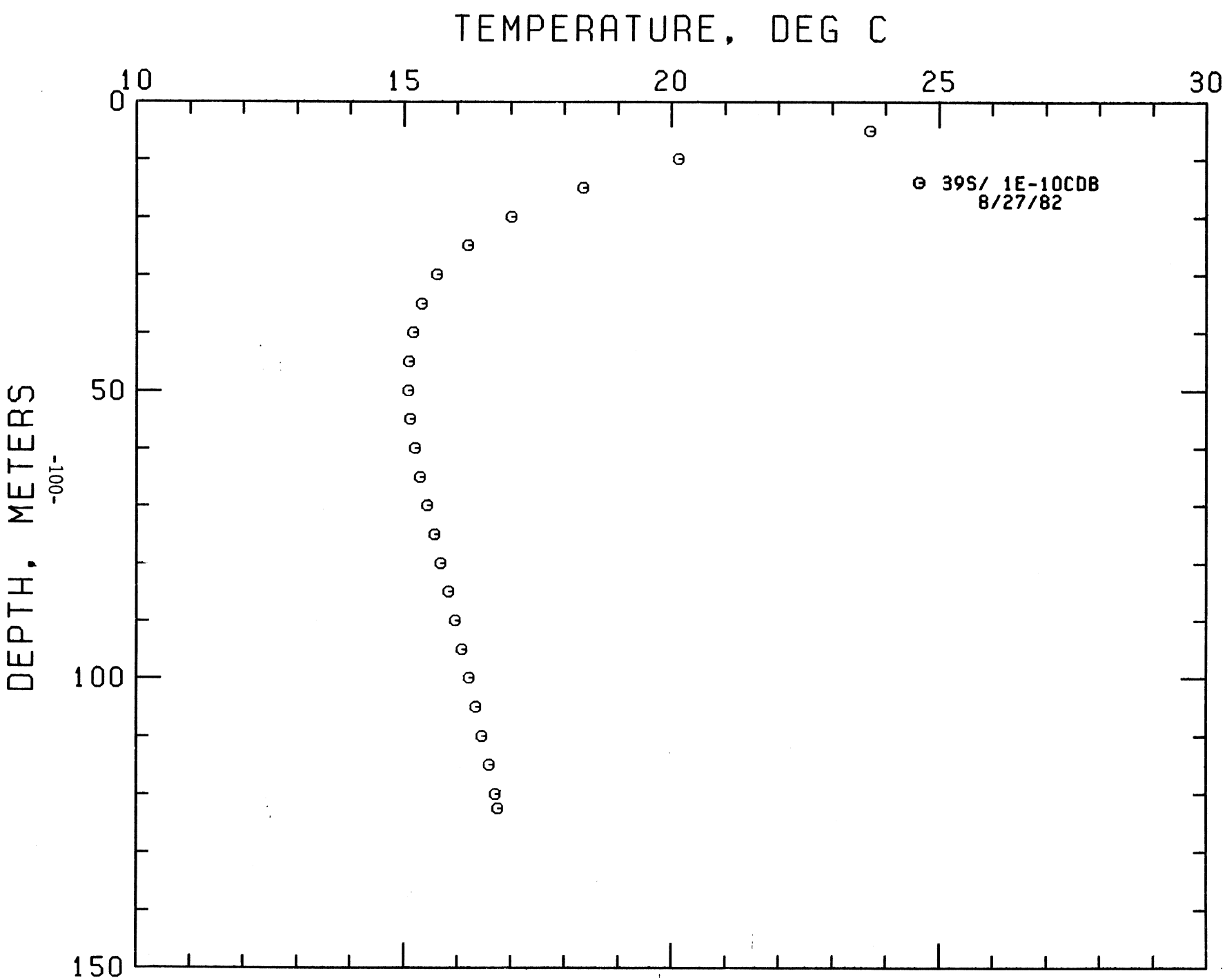
LOCATION: MEDFORD AMS, OREGON
39S/ 1E- 4CDD
HOLE NAME: DOGAMI-D
DATE MEASURED: 8/27/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	16.4	13.860	56.95	0.0	0.0
10.0	32.8	13.840	56.91	-4.0	-0.2
15.0	49.2	14.330	57.79	98.0	5.4
20.0	65.6	14.780	58.60	90.0	4.9
25.0	82.0	15.190	59.34	82.0	4.5
30.0	98.4	15.610	60.10	84.0	4.6
35.0	114.8	15.990	60.78	76.0	4.2
40.0	131.2	16.440	61.59	90.0	4.9
45.0	147.6	16.850	62.33	82.0	4.5
50.0	164.0	17.230	63.01	76.0	4.2
55.0	180.4	17.600	63.68	74.0	4.1
60.0	196.8	17.900	64.22	60.0	3.3
65.0	213.2	18.210	64.78	62.0	3.4
70.0	229.6	18.590	65.46	76.0	4.2
75.0	246.0	18.900	66.02	62.0	3.4
80.0	262.4	19.230	66.61	66.0	3.6
85.0	278.8	19.530	67.15	60.0	3.3
90.0	295.2	19.810	67.66	56.0	3.1
95.0	311.6	20.070	68.13	52.0	2.9
100.0	328.0	20.330	68.59	52.0	2.9
105.0	344.4	20.540	68.97	42.0	2.3
110.0	360.8	20.810	69.46	54.0	3.0
115.0	377.2	21.020	69.84	42.0	2.3
120.0	393.6	21.230	70.21	42.0	2.3
125.0	410.0	21.430	70.57	40.0	2.2
130.0	426.4	21.610	70.90	36.0	2.0
135.0	442.8	21.810	71.26	40.0	2.2
140.0	459.2	21.990	71.58	36.0	2.0
145.0	475.6	22.190	71.94	40.0	2.2
150.0	492.0	22.350	72.23	32.0	1.8
152.2	499.4	22.370	72.27	8.9	0.5


TEMPERATURE, DEG C
10
15
20
0
50
100
150
200
250
300
DEPTH, METERS
39S/ 1E-10BCB
8/27/82

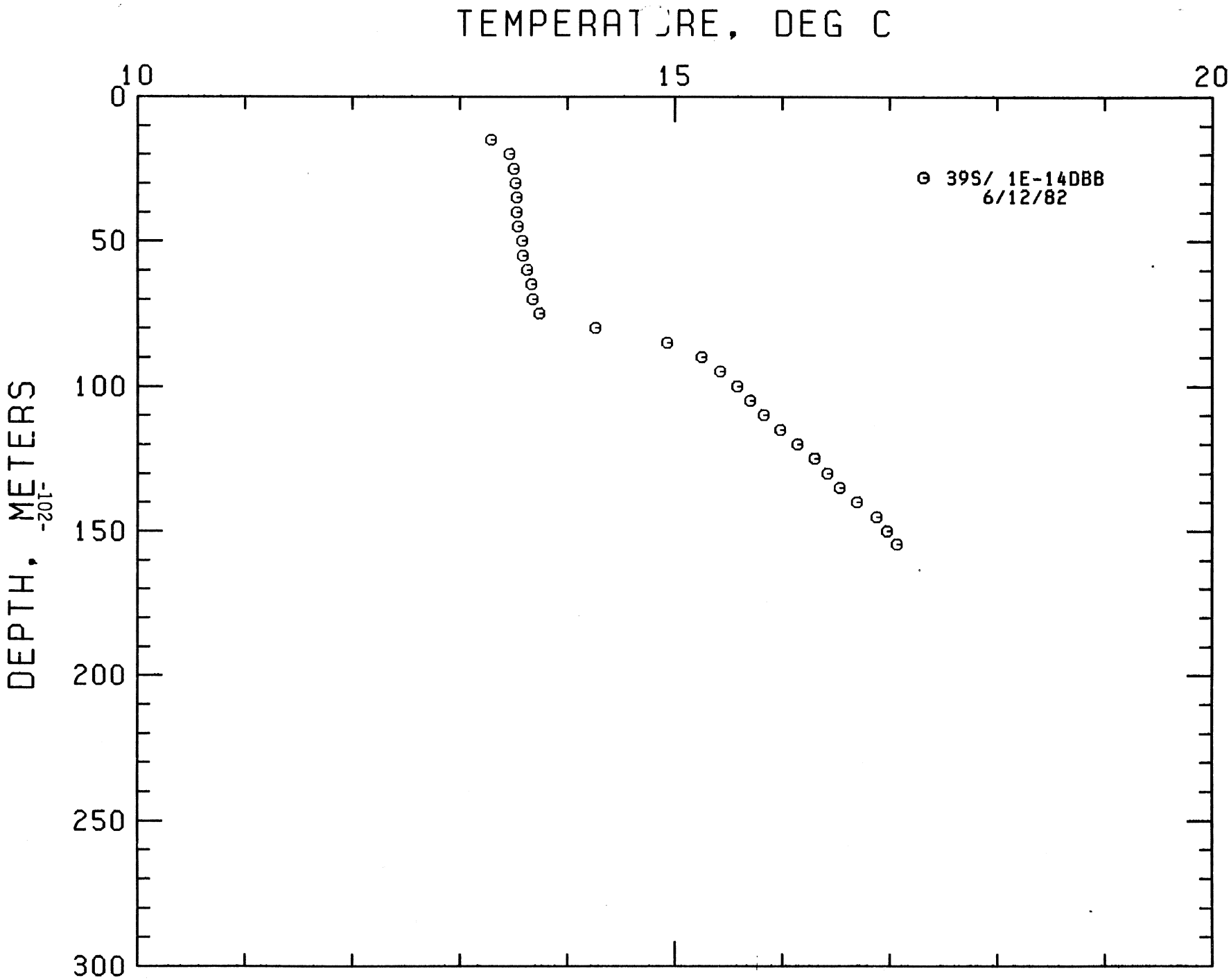
LOCATION: MEDFORD AMS, OREGON
39S/ 1E-10BCB
HOLE NAME: DOGMI-JC
DATE MEASURED: 8/27/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	16.4	15.000	59.00	0.0	0.0
10.0	32.8	14.920	58.86	-16.0	-0.9
15.0	49.2	14.950	58.91	6.0	0.3
20.0	65.6	14.810	58.66	-28.0	-1.5
25.0	82.0	14.750	58.55	-12.0	-0.7
30.0	98.4	14.750	58.55	0.0	0.0
35.0	114.8	14.750	58.55	0.0	0.0
40.0	131.2	14.810	58.66	12.0	0.7
45.0	147.6	14.870	58.77	12.0	0.7
50.0	164.0	15.000	59.00	26.0	1.4
55.0	180.4	15.070	59.13	14.0	0.8
60.0	196.8	15.110	59.20	8.0	0.4
65.0	213.2	15.230	59.41	24.0	1.3
70.0	229.6	15.410	59.74	36.0	2.0
75.0	246.0	15.540	59.97	26.0	1.4
80.0	262.4	15.670	60.21	26.0	1.4
85.0	278.8	15.830	60.49	32.0	1.8
90.0	295.2	15.980	60.76	30.0	1.6
95.0	311.6	16.150	61.07	34.0	1.9
100.0	328.0	16.290	61.32	28.0	1.5
105.0	344.4	16.440	61.59	30.0	1.6
110.0	360.8	16.560	61.81	24.0	1.3
115.0	377.2	16.690	62.04	26.0	1.4
120.0	393.6	16.900	62.42	42.0	2.3
125.0	410.0	17.010	62.62	22.0	1.2
130.0	426.4	17.190	62.94	36.0	2.0
135.0	442.8	17.390	63.30	40.0	2.2
140.0	459.2	17.580	63.64	38.0	2.1
145.0	475.6	17.760	63.97	36.0	2.0
150.0	492.0	17.900	64.22	28.0	1.5
153.0	501.8	18.000	64.40	33.3	1.8


TEMPERATURE, DEG C
10
15
20
25
30
0
50
100
150
DEPTH, METERS
39S/ 1E-10CDB
8/27/82

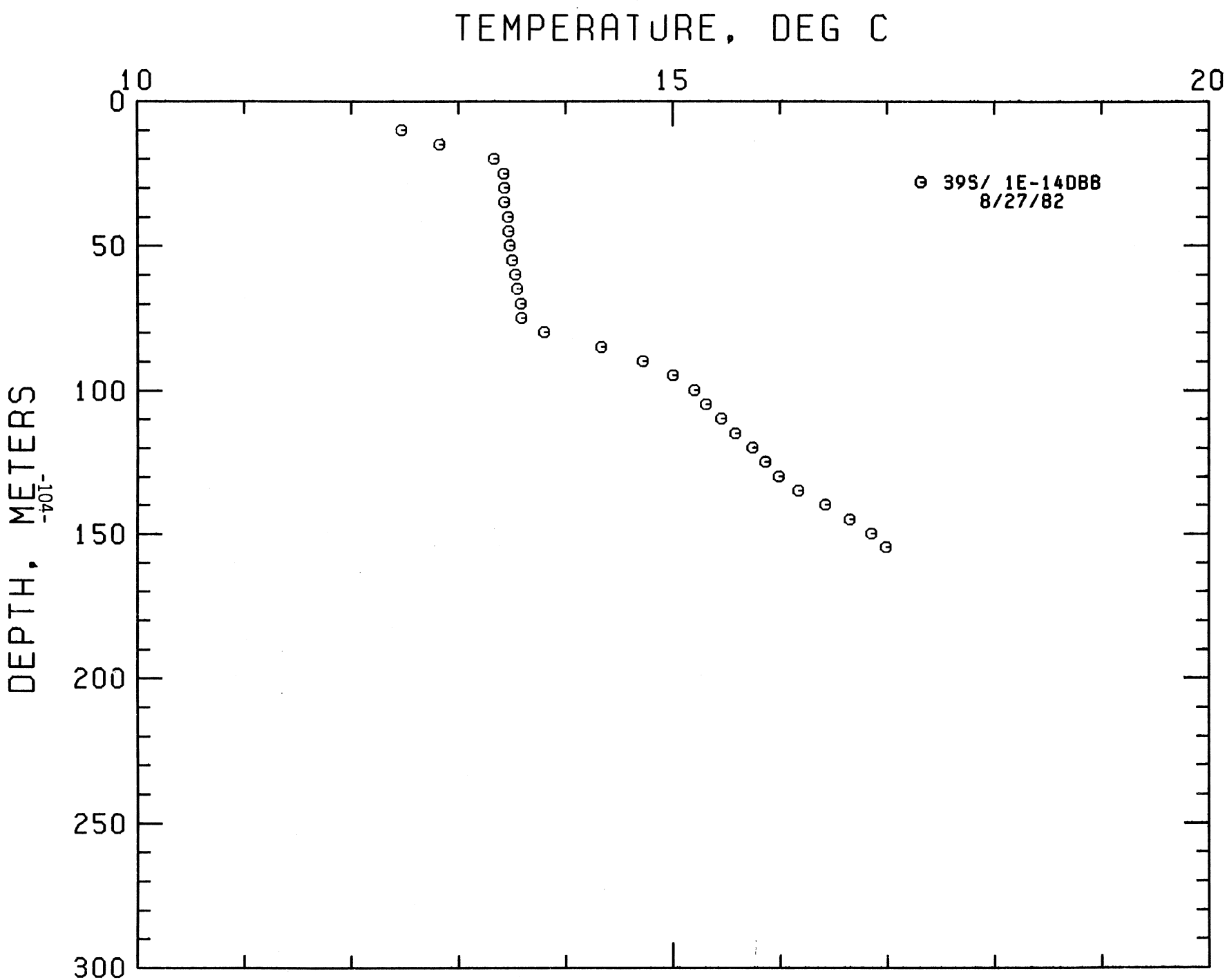
LOCATION: MEDFORD AMS, OREGON
39S/ 1E-10CDB
HOLE NAME: DOGMI-OC
DATE MEASURED: 8/27/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	16.4	23.710	74.68	0.0	0.0
10.0	32.8	20.140	68.25	-714.0	-39.2
15.0	49.2	18.350	65.03	-358.0	-19.6
20.0	65.6	17.020	62.64	-266.0	-14.6
25.0	82.0	16.200	61.16	-164.0	-9.0
30.0	98.4	15.620	60.12	-116.0	-6.4
35.0	114.8	15.340	59.61	-56.0	-3.1
40.0	131.2	15.180	59.32	-32.0	-1.8
45.0	147.6	15.100	59.18	-16.0	-0.9
50.0	164.0	15.090	59.16	-2.0	-0.1
55.0	180.4	15.120	59.22	6.0	0.3
60.0	196.8	15.210	59.38	18.0	1.0
65.0	213.2	15.300	59.54	18.0	1.0
70.0	229.6	15.440	59.79	28.0	1.5
75.0	246.0	15.580	60.04	28.0	1.5
80.0	262.4	15.690	60.24	22.0	1.2
85.0	278.8	15.840	60.51	30.0	1.6
90.0	295.2	15.970	60.75	26.0	1.4
95.0	311.6	16.090	60.96	24.0	1.3
100.0	328.0	16.230	61.21	28.0	1.5
105.0	344.4	16.350	61.43	24.0	1.3
110.0	360.8	16.470	61.65	24.0	1.3
115.0	377.2	16.610	61.90	28.0	1.5
120.0	393.6	16.720	62.10	22.0	1.2
122.5	401.8	16.770	62.19	20.0	1.1


TEMPERATURE, DEG C
10
15
20
0
50
100
150
200
250
300
DEPTH, METERS
39S/ 1E-14DBB
6/12/82

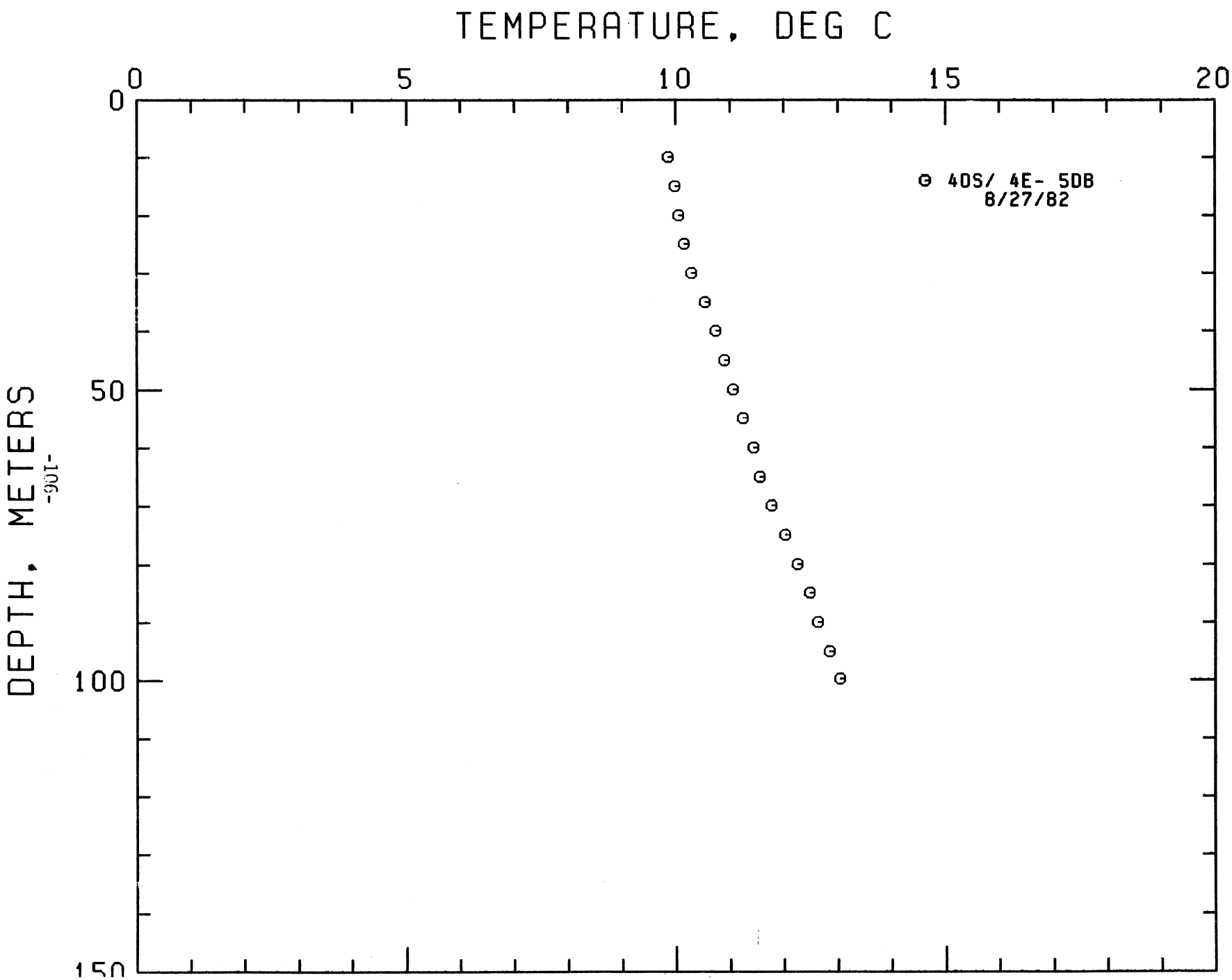
LOCATION: MEDFORD AMS, OREGON
39S/ 1E-14DBB
HOLE NAME: DOGMI-RG
DATE MEASURED: 6/12/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
15.0	49.2	13.290	55.92	0.0	0.0
20.0	65.6	13.460	56.23	34.0	1.9
25.0	82.0	13.500	56.30	8.0	0.4
30.0	98.4	13.520	56.34	4.0	0.2
35.0	114.8	13.530	56.35	2.0	0.1
40.0	131.2	13.530	56.35	0.0	0.0
45.0	147.6	13.540	56.37	2.0	0.1
50.0	164.0	13.580	56.44	8.0	0.4
55.0	180.4	13.590	56.46	2.0	0.1
60.0	196.8	13.630	56.53	8.0	0.4
65.0	213.2	13.670	56.61	8.0	0.4
70.0	229.6	13.680	56.62	2.0	0.1
75.0	246.0	13.740	56.73	12.0	0.7
80.0	262.4	14.260	57.67	104.0	5.7
85.0	278.8	14.930	58.87	134.0	7.4
90.0	295.2	15.250	59.45	64.0	3.5
95.0	311.6	15.420	59.76	34.0	1.9
100.0	328.0	15.580	60.04	32.0	1.8
105.0	344.4	15.700	60.26	24.0	1.3
110.0	360.8	15.830	60.49	26.0	1.4
115.0	377.2	15.980	60.76	30.0	1.6
120.0	393.6	16.140	61.05	32.0	1.8
125.0	410.0	16.300	61.34	32.0	1.8
130.0	426.4	16.420	61.56	24.0	1.3
135.0	442.8	16.540	61.77	24.0	1.3
140.0	459.2	16.700	62.06	32.0	1.8
145.0	475.6	16.880	62.38	36.0	2.0
150.0	492.0	16.980	62.56	20.0	1.1
154.5	506.8	17.070	62.73	20.0	1.1


TEMPERATURE, DEG C
10
15
20
0
50
100
150
200
250
300
DEPTH, METERS
39S/ 1E-14DBB
8/27/82

LOCATION: MEDFORD AMS, OREGON
39S/ 1E-14DBB
HOLE NAME: DOGMI-RG
DATE MEASURED: 8/27/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	12.470	54.45	0.0	0.0
15.0	49.2	12.820	55.08	70.0	3.8
20.0	65.6	13.329	55.99	101.8	5.6
25.0	82.0	13.420	56.16	18.2	1.0
30.0	98.4	13.430	56.17	2.0	0.1
35.0	114.8	13.430	56.17	0.0	0.0
40.0	131.2	13.460	56.23	6.0	0.3
45.0	147.6	13.470	56.25	2.0	0.1
50.0	164.0	13.480	56.26	2.0	0.1
55.0	180.4	13.500	56.30	4.0	0.2
60.0	196.8	13.530	56.35	6.0	0.3
65.0	213.2	13.550	56.39	4.0	0.2
70.0	229.6	13.580	56.44	6.0	0.3
75.0	246.0	13.590	56.46	2.0	0.1
80.0	262.4	13.800	56.84	42.0	2.3
85.0	278.8	14.330	57.79	106.0	5.8
90.0	295.2	14.720	58.50	78.0	4.3
95.0	311.6	15.000	59.00	56.0	3.1
100.0	328.0	15.200	59.36	40.0	2.2
105.0	344.4	15.310	59.56	22.0	1.2
110.0	360.8	15.450	59.81	28.0	1.5
115.0	377.2	15.580	60.04	26.0	1.4
120.0	393.6	15.740	60.33	32.0	1.8
125.0	410.0	15.860	60.55	24.0	1.3
130.0	426.4	15.990	60.78	26.0	1.4
135.0	442.8	16.170	61.11	36.0	2.0
140.0	459.2	16.420	61.56	50.0	2.7
145.0	475.6	16.650	61.97	46.0	2.5
150.0	492.0	16.850	62.33	40.0	2.2
154.7	507.6	16.990	62.58	29.5	1.6


TEMPERATURE, DEG C
0
5
10
15
20
DEPTH, METERS
0
50
100
150
4DS/ 4E- 5DB
8/27/82

LOCATION: MEDFORD AMS, OREGON
40S/ 4E- 5DB
HOLE NAME: DOGMI-CC
DATE MEASURED: 8/27/82

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	9.860	49.75	0.0	0.0
15.0	49.2	9.990	49.98	26.0	1.4
20.0	65.6	10.060	50.11	14.0	0.8
25.0	82.0	10.160	50.29	20.0	1.1
30.0	98.4	10.300	50.54	28.0	1.5
35.0	114.8	10.550	50.99	50.0	2.7
40.0	131.2	10.740	51.33	38.0	2.1
45.0	147.6	10.900	51.62	32.0	1.8
50.0	164.0	11.060	51.91	32.0	1.8
55.0	180.4	11.240	52.23	36.0	2.0
60.0	196.8	11.440	52.59	40.0	2.2
65.0	213.2	11.550	52.79	22.0	1.2
70.0	229.6	11.770	53.19	44.0	2.4
75.0	246.0	12.020	53.64	50.0	2.7
80.0	262.4	12.250	54.05	46.0	2.5
85.0	278.8	12.480	54.46	46.0	2.5
90.0	295.2	12.630	54.73	30.0	1.6
95.0	311.6	12.840	55.11	42.0	2.3
99.7	327.2	13.040	55.47	42.1	2.3