

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

OPEN-FILE REPORT O-81-3C

GEOHERMAL GRADIENT DATA (1980)

by

David D. Blackwell,

Gerald L. Black, and

George R. Priest

Data are arranged by township from north to south

Funds for data compilation and collection were
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LOCATION: THE DALLES AMS. OREGON

HOLE NAME: WESEMAN

DATE MEASURED: 4/25/80

TEMPERATURE

DEPTH
FEET

DEPTH
METERS

DEG C

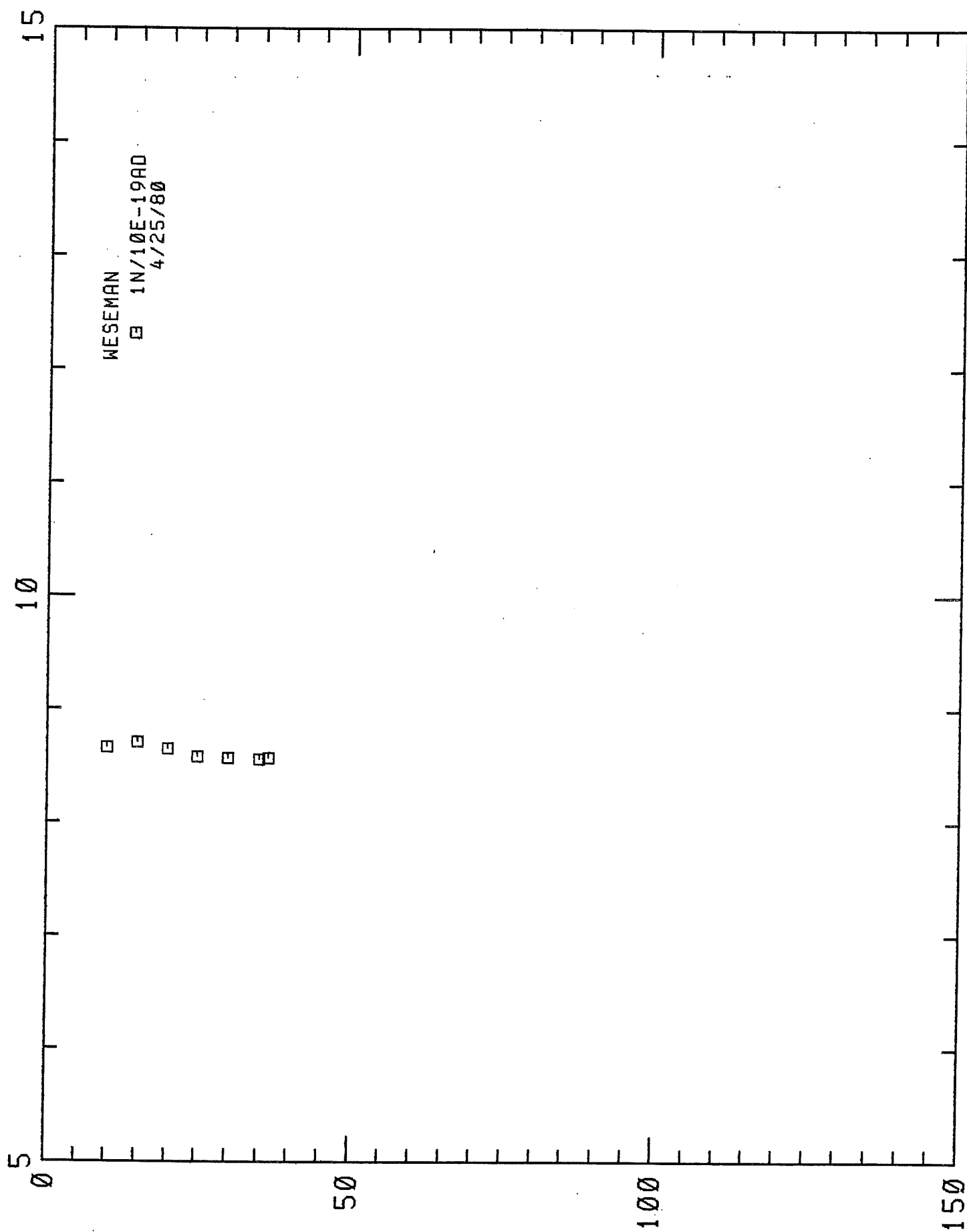
DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

32.8	8.660	47.59	0.0	0.0
49.2	8.710	47.68	10.0	0.5
65.6	8.650	47.57	-12.0	-0.7
82.0	8.580	47.44	-14.0	-0.8
98.4	8.570	47.43	-2.0	-0.1
114.8	8.560	47.41	-2.0	-0.1
119.7	8.570	47.43	6.7	0.4

TEMPERATURE, DEG C

DEPTH, METERS



LOCATION: THE DALLES AMS, OREGON

1S/10E-18ED

HOLE NAME: MORRIS

DATE MEASURED: 7/22/80

TEMPERATURE

DEPTH

METERS

DEG C

FEET

DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0
15.0
20.0
25.0
30.0
35.0

32.8
49.2
65.6
82.0
98.4
114.8

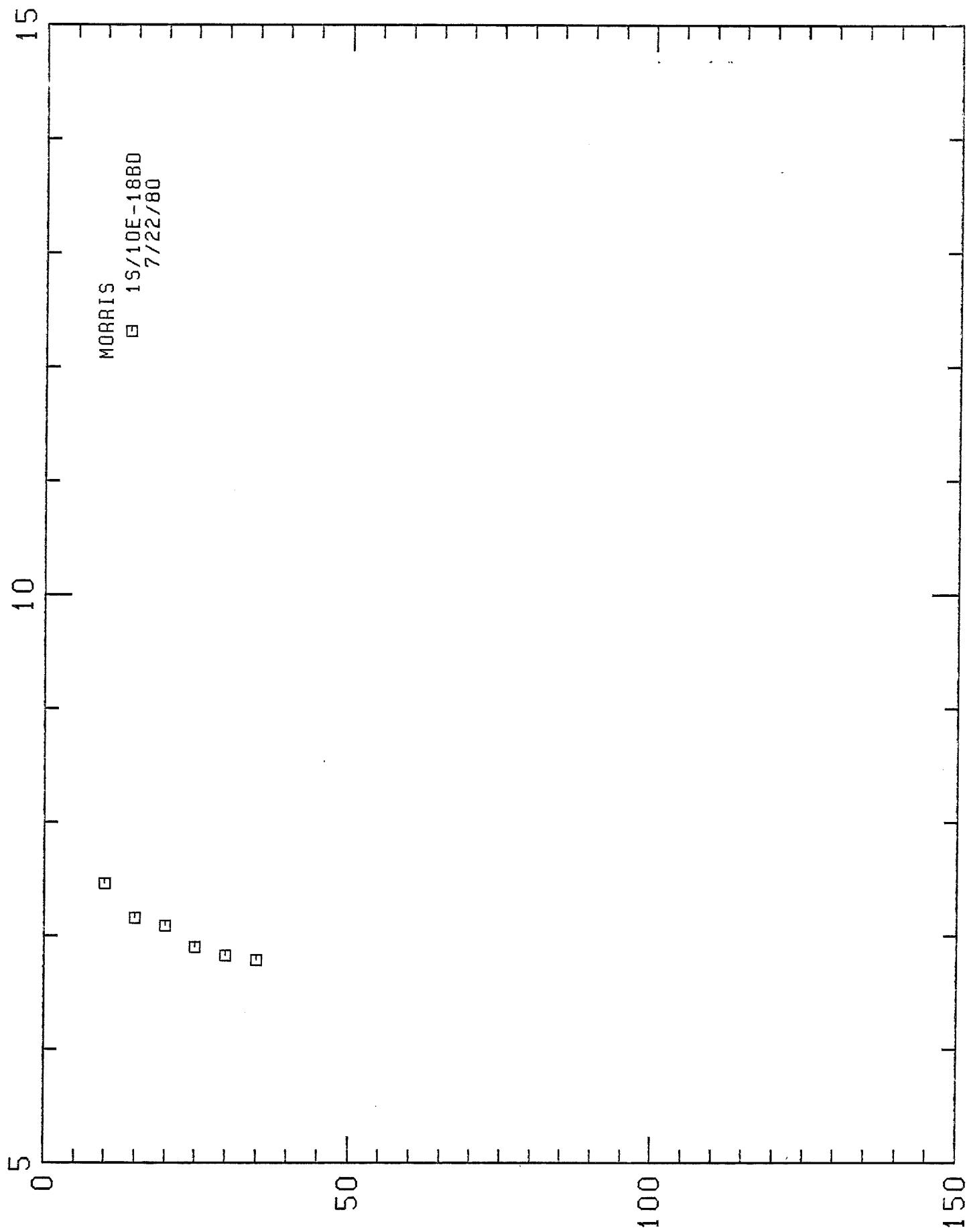
7.460
7.160
7.090
6.900
6.830
6.790

45.43
44.89
44.76
44.42
44.29
44.22

0.0
-60.0
-14.0
-38.0
-14.0
-8.0

0.0
-3.3
-0.8
-2.1
-0.8
-0.4

TEMPERATURE, DEG C

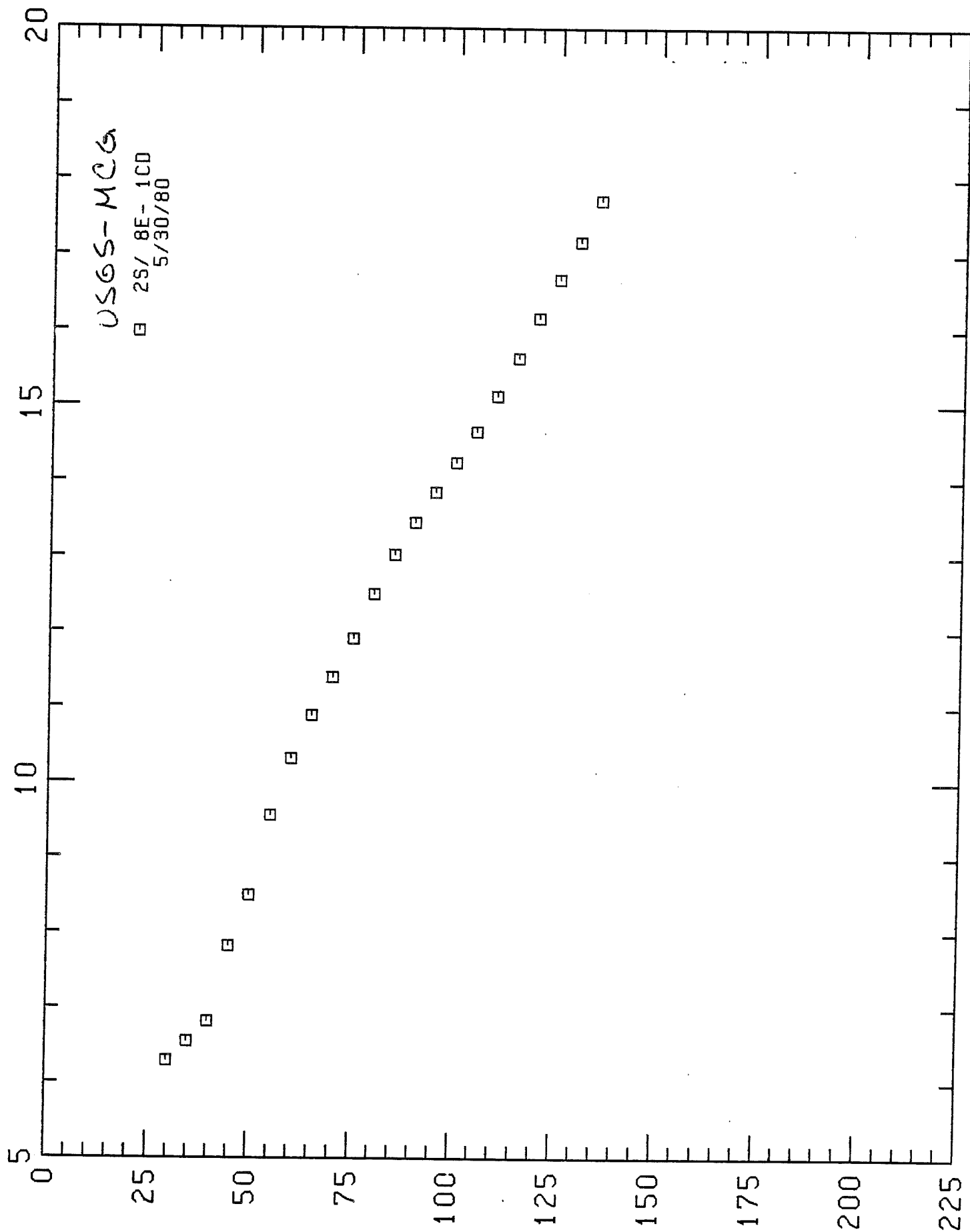


LOCATION: THE DALLES AMS, OREGON

HOLE NAME: USGS-MCG
DATE MEASURED: 5/30/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	DEG C/KM	DEG F/100 FT	GEOTHERMAL GRADIENT
30.0	98.4	6.290	43.32	0.0	0.0	
35.0	114.8	6.550	43.79	52.0	2.9	
40.0	131.2	6.820	44.28	54.0	3.0	
45.0	147.6	7.820	46.08	200.0	11.0	
50.0	164.0	8.500	47.30	136.0	17.5	
55.0	180.4	9.560	49.21	212.0	11.6	
60.0	196.8	10.310	50.56	150.0	18.2	
65.0	213.2	10.890	51.60	116.0	6.4	
70.0	229.6	11.390	52.50	100.0	5.5	
75.0	246.0	11.910	53.44	104.0	5.7	
80.0	262.4	12.500	54.50	118.0	5.5	
85.0	278.8	13.020	55.44	104.0	5.7	
90.0	295.2	13.450	56.21	86.0	4.7	
95.0	311.6	13.850	56.93	80.0	4.4	
100.0	328.0	14.250	57.65	80.0	4.4	
105.0	344.4	14.660	58.39	82.0	4.5	
110.0	360.8	15.130	59.23	94.0	5.2	
115.0	377.2	15.640	60.15	102.0	5.6	
120.0	393.6	16.170	61.11	106.0	5.8	
125.0	410.0	16.680	62.02	102.0	5.5	
130.0	426.4	17.180	62.92	100.0	5.5	
135.0	442.8	17.730	63.91	110.0	6.0	

TEMPERATURE, DEG C



LOCATION: THE DALLES AMS, OREGON
25/ SE-15

HOLE NAME: DOE01F7A

DATE MEASURED: 9/10/80

TEMPERATURE

DEG C

DEG F

DEPT

FEET

DEPTH

METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	24.040	75.27	0.0	0.0	0.0
10.0	21.060	69.91	-596.0	-32.7	-54.7
15.0	16.000	60.94	-906.0	-54.7	-23.4
20.0	18.210	64.78	426.0	27.7	20.5
25.0	20.730	69.31	504.0	27.7	8.3
30.0	22.600	72.68	374.0	152.0	7.9
35.0	23.360	74.05	152.0	144.0	13.3
40.0	24.080	75.34	242.0	144.0	14.7
45.0	25.290	77.52	268.0	158.0	8.7
50.0	26.630	79.93	158.0	20.0	1.1
55.0	27.420	81.36	-42.0	-22.0	-2.3
60.0	27.520	81.16	-22.0	-22.0	-1.3
65.0	27.310	81.18	46.0	46.0	1.6
70.0	27.320	81.59	30.0	14.0	0.3
75.0	27.550	81.86	38.0	24.0	1.3
80.0	27.700	82.20	52.0	38.0	2.3
85.0	27.890	82.54	66.0	56.0	3.1
90.0	28.080	83.01	66.0	54.0	3.1
95.0	28.340	83.61	54.0	46.0	2.5
100.0	28.670	84.11	46.0	46.0	2.5
105.0	28.950	84.60	36.0	36.0	1.9
110.0	29.220	85.01	36.0	36.0	1.9
115.0	29.450	85.42	36.0	36.0	1.9
120.0	29.680	85.75	36.0	36.0	1.9
125.0	29.860	86.04	36.0	36.0	1.9
130.0	30.020	86.33	36.0	36.0	1.9
135.0	30.210	86.70	40.0	40.0	2.3
140.0	30.390	87.06	48.0	48.0	2.3
145.0	30.590	87.49	46.0	46.0	2.3
150.0	30.830	87.91	40.0	40.0	1.9
155.0	31.060	88.32	30.0	30.0	1.6
160.0	31.230	88.57	30.0	30.0	1.6
165.0	31.430	88.84	30.0	30.0	1.6
170.0	31.500	89.10	30.0	30.0	1.6
175.0	31.720	89.35	30.0	30.0	1.6
180.0	31.800	89.64	30.0	30.0	1.8
185.0	31.800	89.56	30.0	30.0	1.8
190.0	32.020	89.96	30.0	30.0	2.1
195.0	32.200	89.96	30.0	30.0	2.1
200.0	32.390	90.30	30.0	30.0	2.1
205.0	32.590	90.30	30.0	30.0	2.1

HOLE NAME: D060MF7A
DATE MEASURED: 9/10/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
210.0	688.8	32.570	90.63	36.0	2.2
215.0	705.2	32.770	90.99	40.0	2.2
220.0	721.6	32.960	91.33	38.0	2.2
225.0	738.0	33.160	91.69	40.0	2.2
230.0	754.4	33.350	92.03	38.0	2.2
235.0	770.8	33.550	92.41	42.0	2.3
240.0	787.2	33.770	92.79	42.0	2.3
245.0	803.6	33.980	93.16	42.0	2.3
250.0	820.0	34.190	93.54	42.0	2.3
255.0	836.4	34.380	93.88	38.0	2.2
260.0	852.8	34.580	94.24	40.0	2.2
265.0	869.2	34.780	94.60	40.0	2.2
270.0	885.6	34.990	94.98	42.0	2.3
275.0	902.0	35.150	95.27	32.0	1.9
280.0	918.4	35.320	95.58	34.0	1.9
285.0	934.8	35.470	95.85	30.0	1.6
290.0	951.2	35.620	96.12	30.0	1.6
295.0	967.6	35.760	96.37	28.0	1.5
300.0	984.0	35.900	96.62	28.0	1.5
305.0	1000.4	36.040	96.87	28.0	1.5
310.0	1016.8	36.170	97.11	26.0	1.4
315.0	1033.2	36.330	97.39	32.0	1.9
320.0	1049.6	36.480	97.66	30.0	1.6
325.0	1066.0	36.660	97.99	36.0	2.2
330.0	1082.4	36.840	98.31	36.0	2.2
335.0	1098.8	37.040	98.67	40.0	2.2
340.0	1115.2	37.240	99.03	40.0	2.2
345.0	1131.6	37.440	99.39	40.0	2.2
350.0	1148.0	37.590	99.66	34.0	1.9
355.0	1164.4	37.710	99.88	22.0	1.1
360.0	1180.8	37.820	100.08	22.0	1.1
365.0	1197.2	37.920	100.26	20.0	1.1
370.0	1213.6	38.020	100.44	26.0	1.4
375.0	1230.0	38.150	100.67	46.0	2.5
380.0	1246.4	38.300	101.03	24.0	1.3
385.0	1262.8	38.500	101.30	104.0	15.3
390.0	1279.2	39.020	102.24	42.0	2.3
395.0	1295.6	39.230	102.61	40.0	2.3
400.0	1312.0	39.430	102.97	34.0	1.9
405.0	1328.4	39.600	103.28	42.0	2.3
410.0	1344.8	39.810	103.66		

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

HOLE NAME: DOE01F7A
DATE MEASURED: 9/10/80

GEOTHERMAL GRADIENT
DEG C/KM 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	40.050	104.09	48.0	2.2
420.0	1377.6	40.340	104.61	58.0	3.2
425.0	1394.0	40.590	105.06	50.0	2.7
430.0	1410.4	40.750	105.35	32.0	1.8
435.0	1426.8	40.900	105.62	30.0	1.6
440.0	1443.2	41.020	105.84	24.0	1.3
445.0	1459.6	41.130	106.03	22.0	1.2
450.0	1476.0	41.240	106.23	22.0	1.2
455.0	1492.4	41.500	107.42	132.0	7.2
460.0	1508.8	42.520	108.54	124.0	6.8
465.0	1525.2	42.750	108.95	46.0	2.2
470.0	1541.6	42.950	109.31	40.0	2.2
475.0	1558.0	43.160	109.69	42.0	2.3
480.0	1574.4	43.390	110.10	46.0	2.3
485.0	1590.8	43.590	110.46	40.0	2.2
490.0	1607.2	43.870	110.97	56.0	3.1
495.0	1623.6	44.020	111.24	30.0	1.6
500.0	1640.0	44.160	111.49	30.0	1.5
505.0	1656.4	44.330	111.79	34.0	1.9
510.0	1672.8	44.660	112.39	66.0	3.0
515.0	1689.2	44.930	112.87	54.0	2.9
520.0	1705.6	45.140	113.25	42.0	2.3
525.0	1722.0	45.320	113.58	36.0	2.0
530.0	1738.4	45.500	113.90	36.0	2.0
535.0	1754.8	45.690	114.24	38.0	2.1
540.0	1771.2	45.880	114.58	32.0	1.8
545.0	1787.6	46.040	114.87	40.0	2.0
550.0	1804.0	46.240	115.23	32.0	1.8
555.0	1820.4	46.400	115.52	32.0	1.8
560.0	1836.8	46.510	115.72	32.0	1.8
565.0	1853.2	46.670	116.01	32.0	1.8
570.0	1869.6	46.940	116.49	54.0	3.0
575.0	1886.0	47.170	116.91	46.0	2.5
580.0	1902.4	47.340	117.21	34.0	1.9
585.0	1918.8	47.670	117.81	66.0	3.0
590.0	1935.2	47.900	118.22	48.0	2.5
595.0	1951.6	48.110	118.60	42.0	2.3
600.0	1968.0	48.290	118.92	36.0	2.0
605.0	1984.4	48.460	119.23	34.0	1.9
610.0	2000.8	48.630	119.53	34.0	1.9
615.0	2017.2	48.780	119.80	30.0	1.6

LOCATION: THE DALLES AMS, OREGON
25/ SE-15

HOLE NAME: DOE0MF7A

DATE MEASURED: 9/10/80

GEOTHERMAL GRADIENT
DEG C/K1 DEG F/100 FT

TEMPERATURE
DEG C DEG F

DEPTH
METERS

620.0	2033.6	48.930	120.07	30.0	1.6
625.0	2050.0	49.060	120.31	26.0	1.4
630.0	2065.4	49.170	120.51	22.0	1.2
635.0	2082.8	49.320	120.78	30.0	1.6
640.0	2099.2	49.460	121.03	30.0	1.5
645.0	2115.6	49.630	121.33	34.0	1.9
650.0	2132.0	49.720	121.50	18.0	1.0
655.0	2148.4	50.060	122.11	68.0	3.7
660.0	2164.8	50.240	122.43	36.0	2.0
665.0	2181.2	50.380	122.68	28.0	1.5
670.0	2197.6	50.540	122.97	32.0	1.8
675.0	2214.0	50.730	123.31	38.0	2.1
680.0	2230.4	50.930	123.67	40.0	2.2
685.0	2246.8	51.160	124.09	46.0	2.5
690.0	2263.2	51.340	124.41	36.0	2.0
695.0	2279.6	51.680	125.02	68.0	3.7
700.0	2296.0	51.810	125.26	26.0	1.4
705.0	2312.4	52.020	125.64	42.0	2.3
710.0	2328.8	52.250	126.05	46.0	2.5
715.0	2345.2	52.410	126.34	32.0	1.8
720.0	2361.6	52.620	126.72	42.0	2.3
725.0	2378.0	52.810	127.06	38.0	2.1
730.0	2394.4	53.000	127.40	38.0	2.1
735.0	2410.8	53.190	127.74	38.0	2.1
740.0	2427.2	53.590	128.46	80.0	4.4
745.0	2443.6	53.750	128.75	92.0	4.8
750.0	2460.0	53.980	129.16	46.0	2.5
755.0	2476.4	54.230	129.61	50.0	2.8
760.0	2492.8	54.450	130.01	44.0	2.4
765.0	2509.2	54.730	130.51	56.0	3.1
770.0	2525.6	55.020	131.04	58.0	3.2
775.0	2542.0	55.360	131.68	72.0	4.0
780.0	2558.4	55.700	132.26	64.0	3.5
785.0	2574.8	55.930	132.67	46.0	2.5
790.0	2591.2	56.190	133.14	52.0	3.0
795.0	2607.6	56.500	133.70	62.0	3.4
800.0	2624.0	56.440	133.59	-12.0	0.7
805.0	2640.4	56.210	133.18	-46.0	2.5
810.0	2656.8	56.180	133.12	-6.0	0.3
815.0	2673.2	56.490	133.68	62.0	3.4
820.0	2689.6	56.760	134.17	54.0	3.0

LOCATION: THE DALLES AMS, OREGON

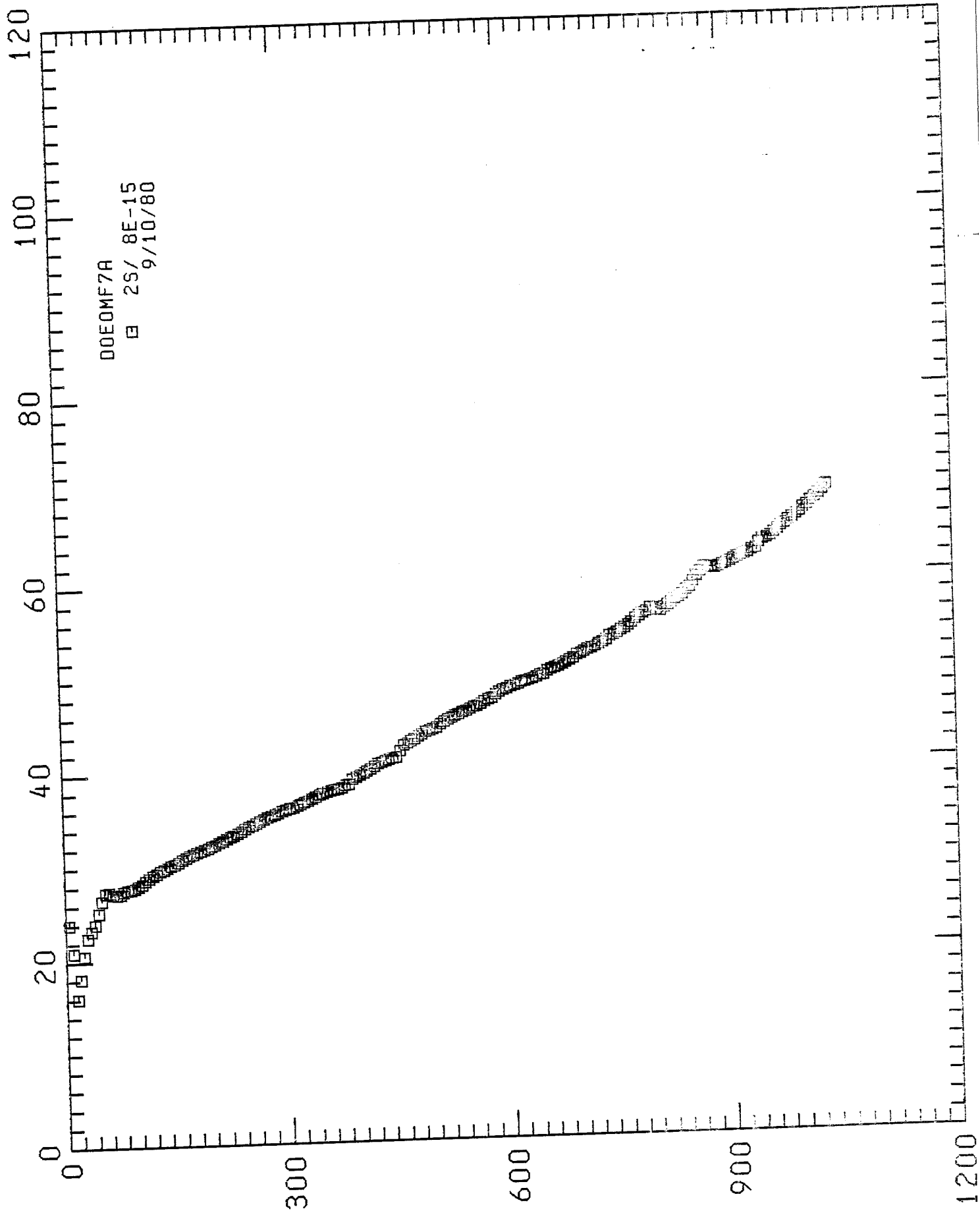
HOLE NAME: DOE-15
DATE MEASURED: 9/10/80

GEOTHERMAL GRADIENT
DEG C/KM 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	57.040	134.57	56.0	3.1
830.0	2722.4	57.390	135.28	58.0	3.4
835.0	2738.8	57.600	135.68	44.0	2.9
840.0	2755.2	57.860	136.15	52.0	2.5
845.0	2771.6	58.330	136.99	94.0	2.3
850.0	2788.0	58.630	137.53	60.0	3.0
855.0	2804.4	59.270	138.69	128.0	7.0
860.0	2820.8	59.820	139.68	110.0	6.0
865.0	2837.2	60.260	140.47	88.0	4.8
870.0	2853.6	60.770	141.39	102.0	5.5
875.0	2870.0	60.670	141.21	-20.0	-1.1
880.0	2886.4	60.610	141.10	-12.0	-0.7
885.0	2902.8	60.640	141.15	6.0	0.3
890.0	2919.2	60.780	141.40	28.0	1.5
895.0	2935.6	60.950	141.71	34.0	1.9
900.0	2952.0	61.110	142.00	32.0	1.8
905.0	2968.4	61.310	142.36	40.0	2.4
910.0	2984.8	61.530	142.75	44.0	2.4
915.0	3001.2	61.710	143.08	36.0	2.2
920.0	3017.6	61.910	143.44	40.0	2.8
925.0	3034.0	62.070	143.73	32.0	1.5
930.0	3050.4	62.210	143.98	28.0	1.5
935.0	3066.8	62.480	144.46	54.0	3.0
940.0	3083.2	62.630	144.73	30.0	1.6
945.0	3099.6	63.250	145.85	124.0	6.8
950.0	3116.0	63.540	146.37	58.0	3.3
955.0	3132.4	63.710	146.68	34.0	1.9
960.0	3148.8	63.900	147.02	38.0	2.5
965.0	3165.2	64.230	147.61	66.0	3.3
970.0	3181.6	64.570	148.23	70.0	3.8
975.0	3198.0	64.920	148.86	62.0	3.4
980.0	3214.4	65.230	149.41	64.0	3.5
985.0	3230.8	65.550	149.99	60.0	3.3
990.0	3247.2	65.850	150.53	68.0	3.7
995.0	3263.6	66.190	151.14	56.0	3.1
1000.0	3280.0	66.470	151.65	74.0	4.1
1005.0	3296.4	66.840	152.31	62.0	3.4
1010.0	3312.8	67.150	152.87	76.0	4.2
1015.0	3329.2	67.530	153.55	62.0	3.4
1020.0	3345.6	67.940	154.29	66.0	3.6
1025.0	3362.0	68.270	154.89		

LOCATION: THE DALLES AMS, OREGON		PAGE 6
HOLE NAME: DOE0MF7A		
DATE MEASURED: 9/10/80		
DEPTH	TEMPERATURE	GEOTHERMAL GRADIENT
METERS	DEG C	DEG F/100 FT
1030.0	68.700	86.0
1035.0	69.220	104.0
1035.4	69.290	175.0
		4.7
		5.7
		9.6

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: PENDLETON AYS, OREGON
 HOLE NAME: 35/38E-7ACD
 DATE MEASURED: CENT SCH
 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	12.170	53.91	0.0	0.0
20.0	65.6	12.440	54.39	54.0	3.0
25.0	82.0	12.600	54.68	32.0	1.8
30.0	98.4	12.800	55.04	40.0	2.2
35.0	114.8	13.060	55.51	52.0	2.9
40.0	131.2	13.280	55.90	44.0	2.2
45.0	147.6	13.580	56.44	60.0	3.3
50.0	164.0	13.780	56.80	40.0	2.2
55.0	180.4	13.980	57.16	40.0	2.2
60.0	196.8	14.100	57.38	24.0	1.3
65.0	213.2	14.180	57.52	16.0	0.9
70.0	229.6	14.410	57.94	46.0	2.0
75.0	246.0	14.430	57.97	4.0	0.2

LOCATION: PENDLETON AMS, OREGON

HOLE NAME: 35/38E-7ACD

DATE MEASURED: CENT SCH

DEPTH
FEET

TEMPERATURE
DEG C

DEG F

GEOTHERMAL GRADIENT:
DEG C/KM DEG F/100 FT

25.0	12.840	55.11	0.0	0.4
30.0	13.050	55.51	44.0	2.2
35.0	13.280	55.90	44.0	2.2
40.0	13.490	56.28	42.0	2.2
45.0	13.690	56.64	40.0	2.2
50.0	13.910	57.04	44.0	2.2
55.0	14.150	57.47	48.0	2.2
60.0	14.340	57.81	38.0	1.5
65.0	14.480	58.06	28.0	2.2
70.0	14.680	58.42	40.0	1.0
75.0	14.850	58.73	34.0	2.2
80.0	14.920	58.86	14.0	2.2
85.0	15.130	59.23	42.0	2.2
90.0	15.340	59.61	32.0	1.5
95.0	15.500	59.90	28.0	1.5
100.0	15.640	60.15	22.0	1.0
105.0	15.750	60.35	16.0	1.6
110.0	15.830	60.49	30.0	
111.0	15.860	60.55		

LOCATION: PENDLETON AMS, OREGON

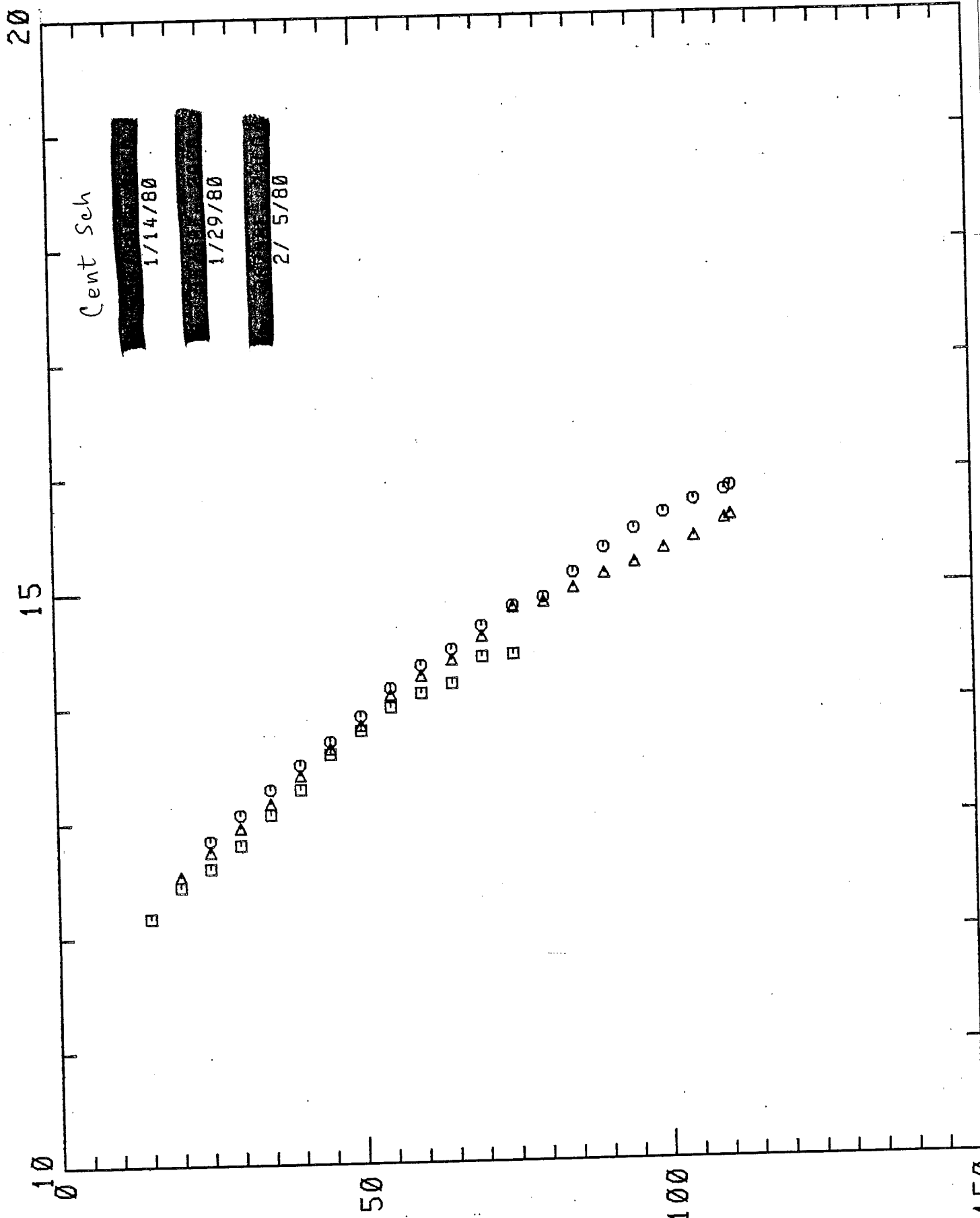
HOLE NAME: 3S/3BE-7ACD

DATE MEASURED: CENT SCH

TEMPERATURE

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	12.530	54.55	0.0	0.3
25.0	82.0	12.740	54.93	0.0	0.3
30.0	98.4	12.950	55.31	42.0	2.3
35.0	114.8	13.160	55.69	42.0	2.3
40.0	131.2	13.400	56.12	48.0	2.3
45.0	147.6	13.630	56.53	46.0	2.3
50.0	164.0	13.830	56.89	40.0	2.2
55.0	180.4	14.090	57.36	32.0	2.2
60.0	196.8	14.250	57.65	28.0	1.8
65.0	213.2	14.390	57.90	40.0	2.2
70.0	229.6	14.590	58.26	50.0	2.7
75.0	246.0	14.840	58.71	8.0	0.4
80.0	262.4	14.880	58.78	24.0	1.3
85.0	278.8	15.000	59.00	24.0	1.3
90.0	295.2	15.120	59.22	18.0	1.0
95.0	311.6	15.210	59.38	24.0	1.3
100.0	328.0	15.330	59.59	20.0	1.1
105.0	344.4	15.430	59.77	30.0	1.6
110.0	360.8	15.580	60.04	30.0	1.6
111.0	364.1	15.610	60.10		

TEMPERATURE, DEG C



LOCATION: PENDLETON AMS, OREGON

HOLE NAME: 35/38E-7ADA

DATE MEASURED: 2/6/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C

TEMPERATURE
DEG F

GEO THERMAL GRADIENT
DEG C/KM

GEO THERMAL GRADIENT
DEG F/100 FT

15.0
20.0
25.0
30.0
35.0
40.0
45.0

49.2
65.6
82.0
98.4
114.8
131.2
147.6

12.060
11.770
11.560
11.460
11.360
11.310
11.270

53.71
53.19
52.81
52.63
52.45
52.36
52.29

0.0
-58.0
-42.0
-20.0
-20.0
-10.0
-8.0

0.0
-3.2
-2.3
-1.1
-1.1
-0.5
-0.4

TEMPERATURE, DEG C

20

15

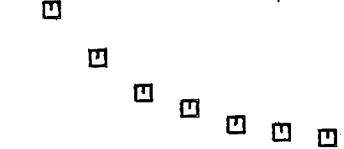
10
0

50

100

DEPTH, METERS

MID SECT
3S/38E-7ADA
2/ 6/80



LOCATION: PENDLETON AMS, OREGON

SN/35E-1AB

HOLE NAME: MILTNS2

DATE MEASURED: 2/29/80

TEMPERATURE

DEG C

DEG F

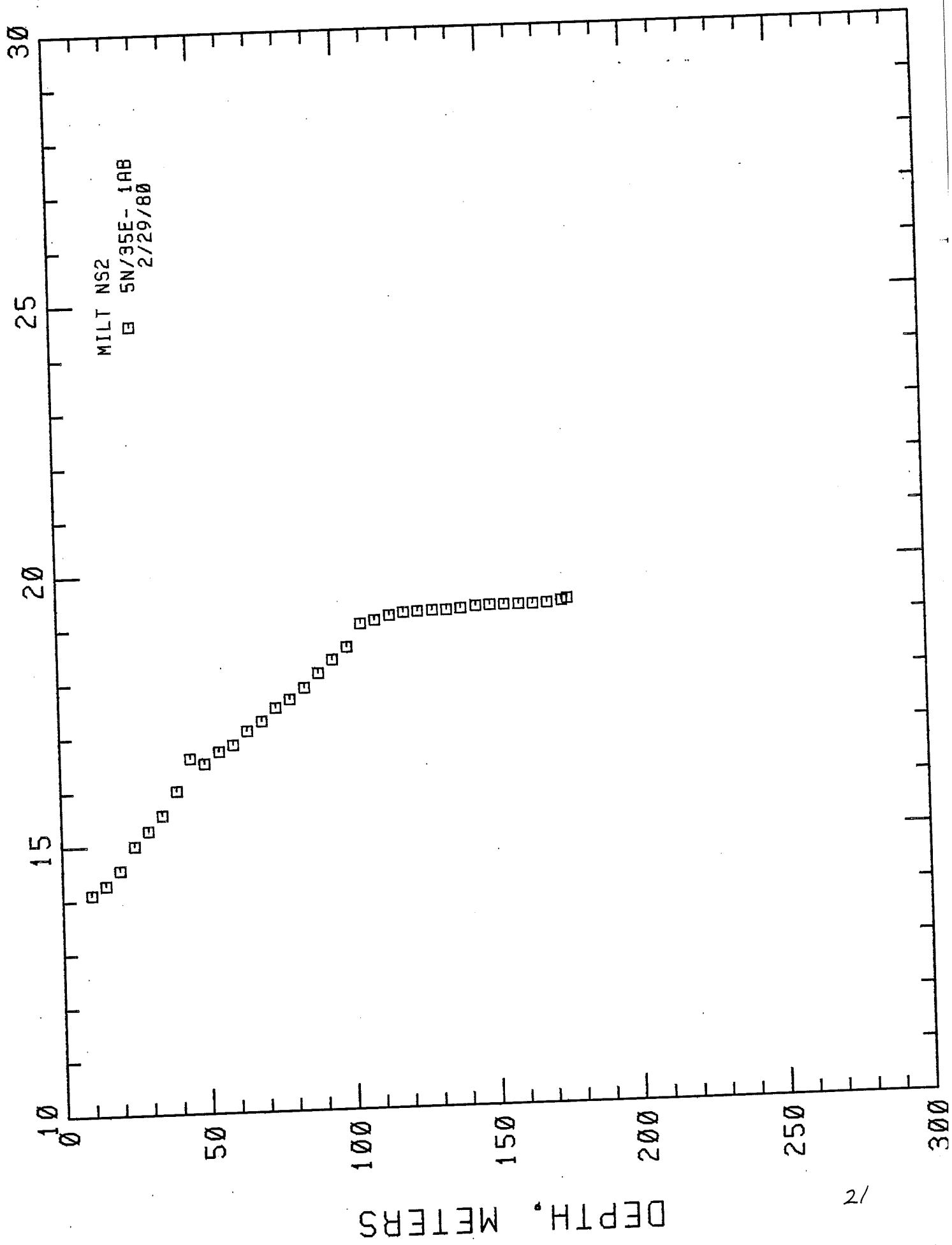
DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM
DEG F/100 FT

10.0	32.8	14.110	57.40	0.0	0.0
15.0	49.2	14.250	57.72	36.0	0.2
20.0	65.6	14.560	58.21	54.0	0.0
25.0	82.0	15.000	59.00	88.0	4.8
30.0	98.4	15.280	59.50	56.0	3.1
35.0	114.8	15.560	60.01	56.0	3.1
40.0	131.2	16.010	60.82	90.0	4.9
45.0	147.6	16.600	61.88	118.0	6.5
50.0	164.0	16.500	61.70	-20.0	1.1
55.0	180.4	16.720	62.10	44.0	2.4
60.0	196.8	16.830	62.29	22.0	1.2
65.0	213.2	17.090	62.76	52.0	2.9
70.0	229.6	17.260	63.07	34.0	1.5
75.0	246.0	17.500	63.50	48.0	2.6
80.0	262.4	17.650	63.77	30.0	1.6
85.0	278.8	17.850	64.13	40.0	2.2
90.0	295.2	18.110	64.60	52.0	2.9
95.0	311.6	18.350	65.03	48.0	2.5
100.0	328.0	18.580	65.44	46.0	2.5
105.0	344.4	19.000	66.20	84.0	4.6
110.0	360.8	19.060	66.31	12.0	0.7
115.0	377.2	19.140	66.45	16.0	0.9
120.0	393.6	19.190	66.54	10.0	0.5
125.0	410.0	19.200	66.56	2.0	0.1
130.0	426.4	19.210	66.58	2.0	0.1
135.0	442.8	19.210	66.58	4.0	0.2
140.0	459.2	19.230	66.61	8.0	0.4
145.0	475.6	19.270	66.69	2.0	0.1
150.0	492.0	19.280	66.70	2.0	0.1
155.0	508.4	19.280	66.70	0.0	0.0
160.0	524.8	19.280	66.70	0.0	0.0
165.0	541.2	19.280	66.70	0.0	0.0
170.0	557.6	19.290	66.72	2.0	0.1
175.0	574.0	19.320	66.78	6.0	0.3
177.0	580.6	19.360	66.85	20.0	1.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: PENDLETON AMS, OREGON 6N/34E-30AB				
HOLE NAME: KESSLER				
DATE MEASURED: 3/ 4/80				
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM DEG F/100 FT
		DEG C	DEG F	
10.0	32.8	14.110	57.40	0.0
15.0	49.2	15.230	59.41	12.3
20.0	65.6	16.250	61.25	11.2
25.0	82.0	18.720	65.70	27.1
30.0	98.4	21.890	71.40	34.8
35.0	114.8	22.380	72.28	5.4
40.0	131.2	22.650	72.77	3.0
45.0	147.6	22.690	72.84	0.4
50.0	164.0	22.700	72.86	0.1
55.0	180.4	22.740	72.93	0.4
60.0	196.8	22.820	73.08	0.9
65.0	213.2	22.940	73.29	1.3
70.0	229.6	23.040	73.47	1.1
75.0	246.0	23.090	73.56	0.5
80.0	262.4	23.160	73.69	0.8
85.0	278.8	23.220	73.80	0.7
90.0	295.2	23.270	73.89	0.5
95.0	311.6	23.350	74.03	0.7
100.0	328.0	23.410	74.14	0.8
105.0	344.4	23.480	74.26	0.7
110.0	360.8	23.540	74.37	0.5
115.0	377.2	23.590	74.46	0.4
120.0	393.6	23.630	74.53	0.3
125.0	410.0	23.660	74.59	0.1
130.0	426.4	23.670	74.61	0.1
135.0	442.8	23.660	74.59	0.3
140.0	459.2	23.690	74.64	0.1
145.0	475.6	23.700	74.66	0.1
150.0	492.0	23.700	74.66	0.1
155.0	508.4	23.710	74.68	0.1
160.0	524.8	23.710	74.68	0.2
165.0	541.2	23.730	74.71	0.1
170.0	557.6	23.740	74.73	0.1
175.0	574.0	23.750	74.75	0.1
180.0	590.4	23.760	74.77	0.1
185.0	606.8	23.800	74.77	0.4
190.0	623.2	24.040	75.27	0.4
195.0	639.6	24.070	75.33	2.6
200.0	656.0	24.200	75.56	0.3
205.0	672.4	24.310	75.76	0.3
210.0	688.8			1.2

LOCATION: PENDLETON AMS, OREGON

HOLE NAME: 6N/34E-30AB

DATE MEASURED: 3/ 4/80

DEPTH DEGREE C 24.340

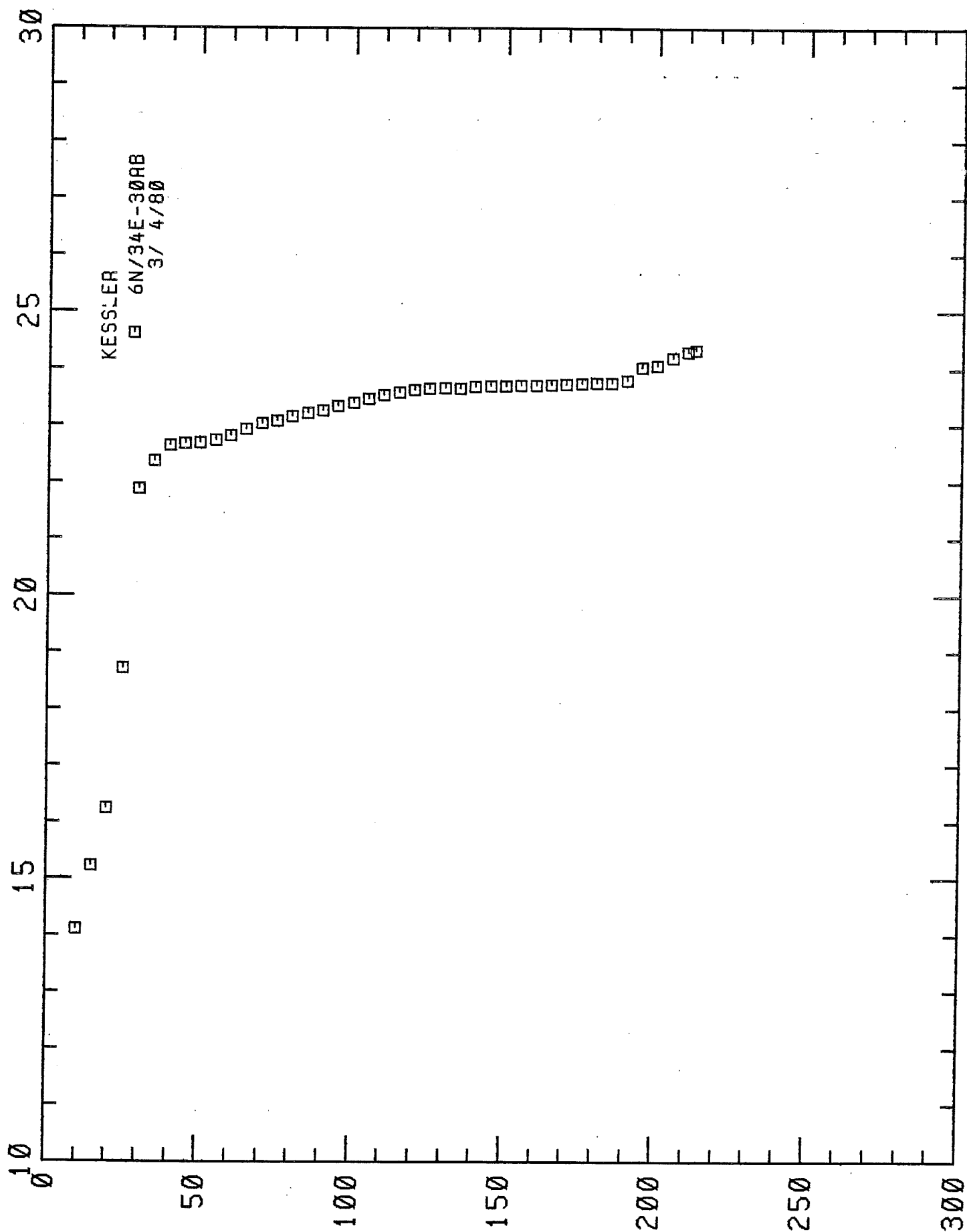
DEPTH METERS 212.5

TEMPERATURE DEGREE F 75.81

GEOTHERMAL GRADIENT DEGREE C/KM 12.0

DEGREE F/100 FT 0.7

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: PENDLETON AMS, OREGON

6N/35E-34BD

HOLE NAME: ODMAN

DATE MEASURED: 3/ 3/80

DEPTH DEPTH TEMPERATURE

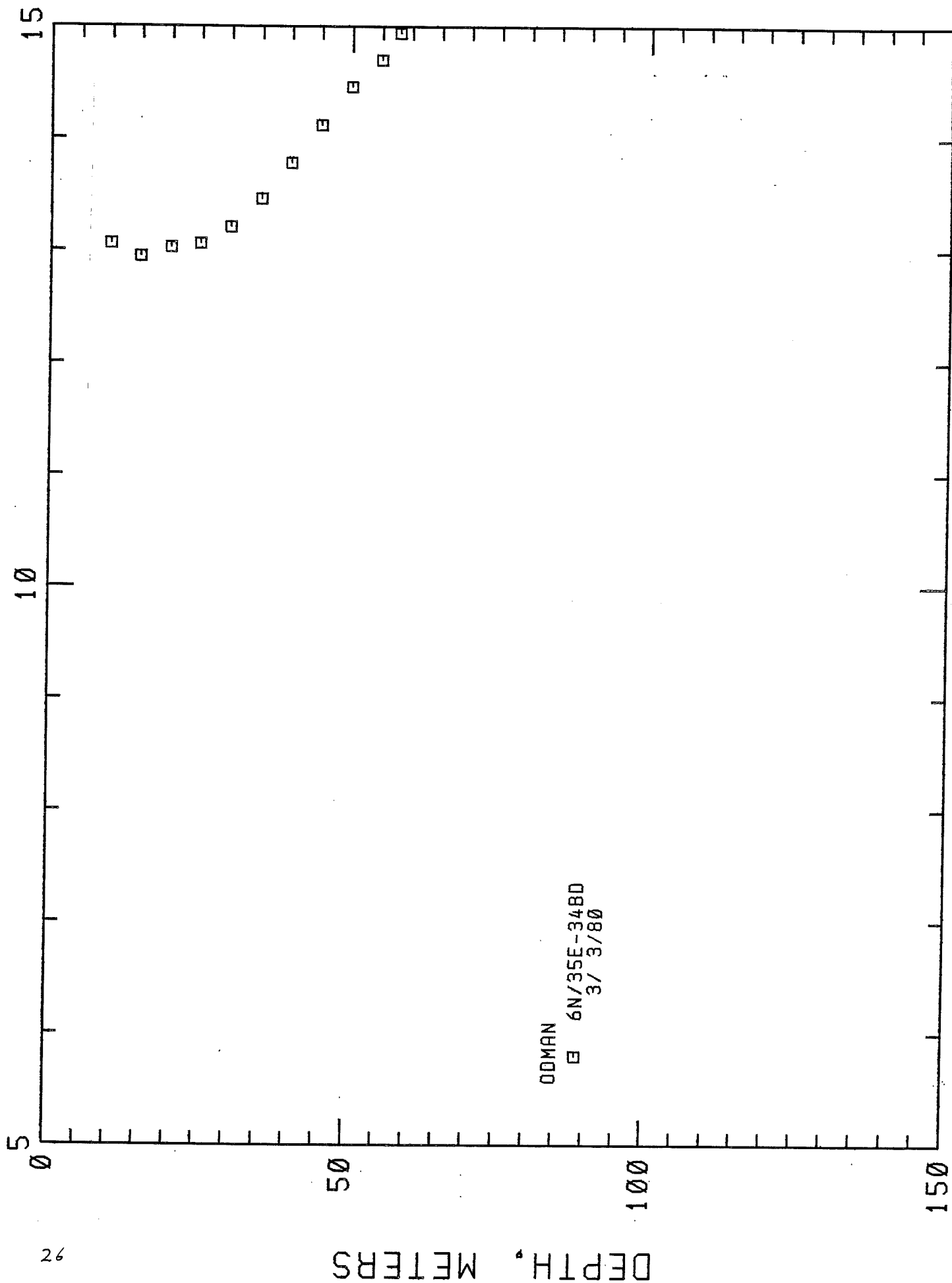
FEET

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	13.060	55.51	0.0	0.0
15.0	49.2	12.950	55.31	-22.0	-1.2
20.0	65.6	13.030	55.45	16.0	0.9
25.0	82.0	13.060	55.51	6.0	0.3
30.0	98.4	13.210	55.78	30.0	1.6
35.0	114.8	13.460	56.23	50.0	2.7
40.0	131.2	13.780	56.80	64.0	3.5
45.0	147.6	14.120	57.42	68.0	3.7
50.0	164.0	14.460	58.03	68.0	3.7
55.0	180.4	14.700	58.46	48.0	2.6
58.0	190.2	14.940	58.89	80.0	4.4

TEMPERATURE, DEG C



LOCATION: PENDLETON AMS, OREGON

HOLE NAME: GN/36E-31DB

DATE MEASURED: MILT NSI 2/25/80

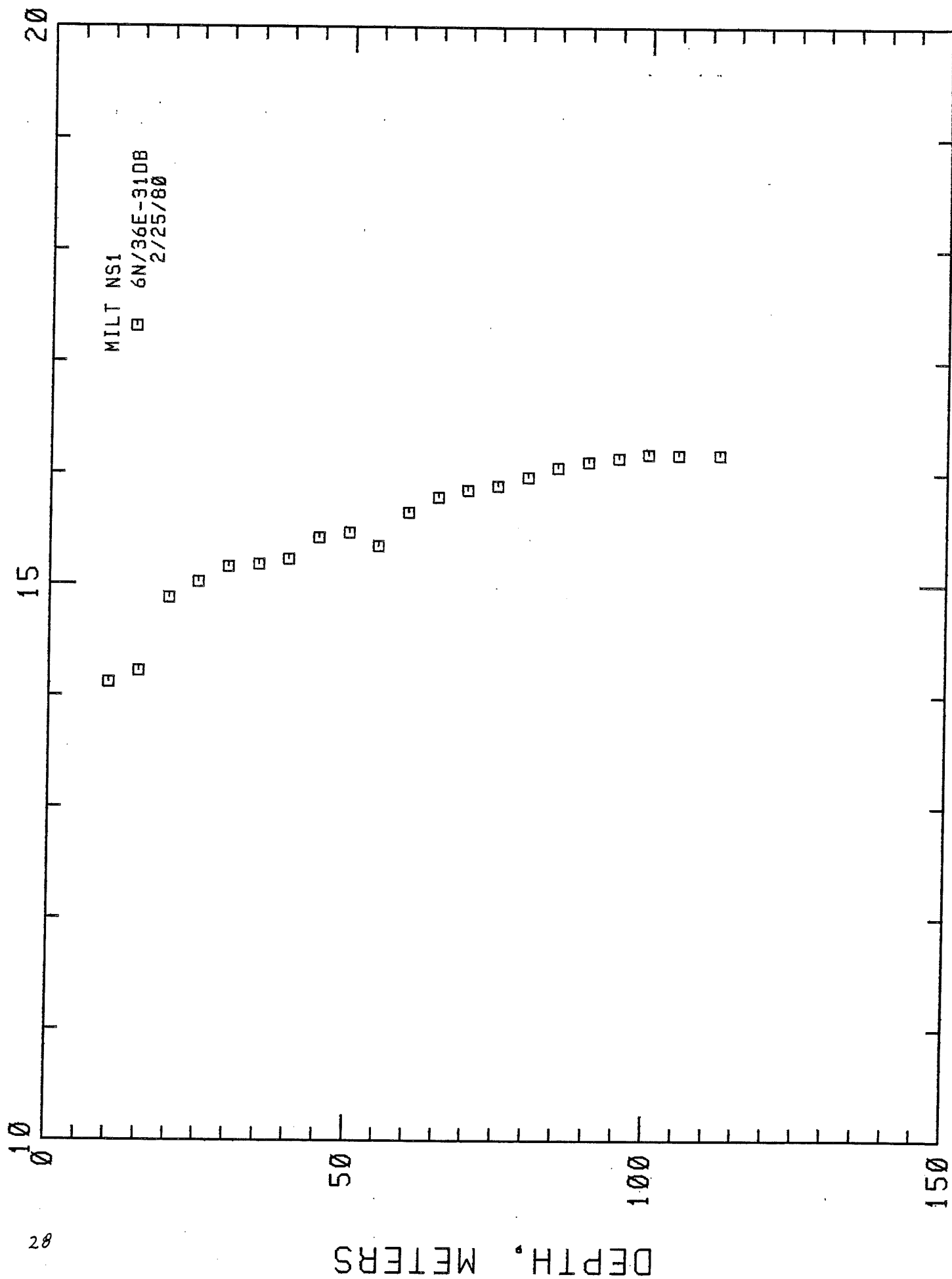
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	14.120	57.42	0.0	0.0
15.0	49.2	14.220	57.60	20.0	1.1
20.0	65.6	14.880	58.78	132.0	7.2
25.0	82.0	15.020	59.04	28.0	1.5
30.0	98.4	15.160	59.29	28.0	1.5
35.0	114.8	15.180	59.32	4.0	0.5
40.0	131.2	15.230	59.41	10.0	2.1
45.0	147.6	15.420	59.76	38.0	0.5
50.0	164.0	15.470	59.85	10.0	2.1
55.0	180.4	15.350	59.63	-24.0	-1.3
60.0	196.8	15.650	60.17	60.0	1.5
65.0	213.2	15.790	60.42	28.0	0.7
70.0	229.6	15.850	60.53	12.0	0.4
75.0	246.0	15.890	60.60	8.0	0.9
80.0	262.4	15.970	60.75	16.0	0.9
85.0	278.8	16.060	60.91	18.0	1.0
90.0	295.2	16.110	61.00	10.0	0.3
95.0	311.6	16.140	61.05	6.0	0.4
100.0	328.0	16.180	61.12	8.0	0.1
105.0	344.4	16.170	61.11	-2.0	-0.1
112.0	367.4	16.170	61.11	0.0	0.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON
75/ 7E- 4DD

HOLE NAME: ENEB-TS

DATE MEASURED: 5/28/80

DEPTH
FEET

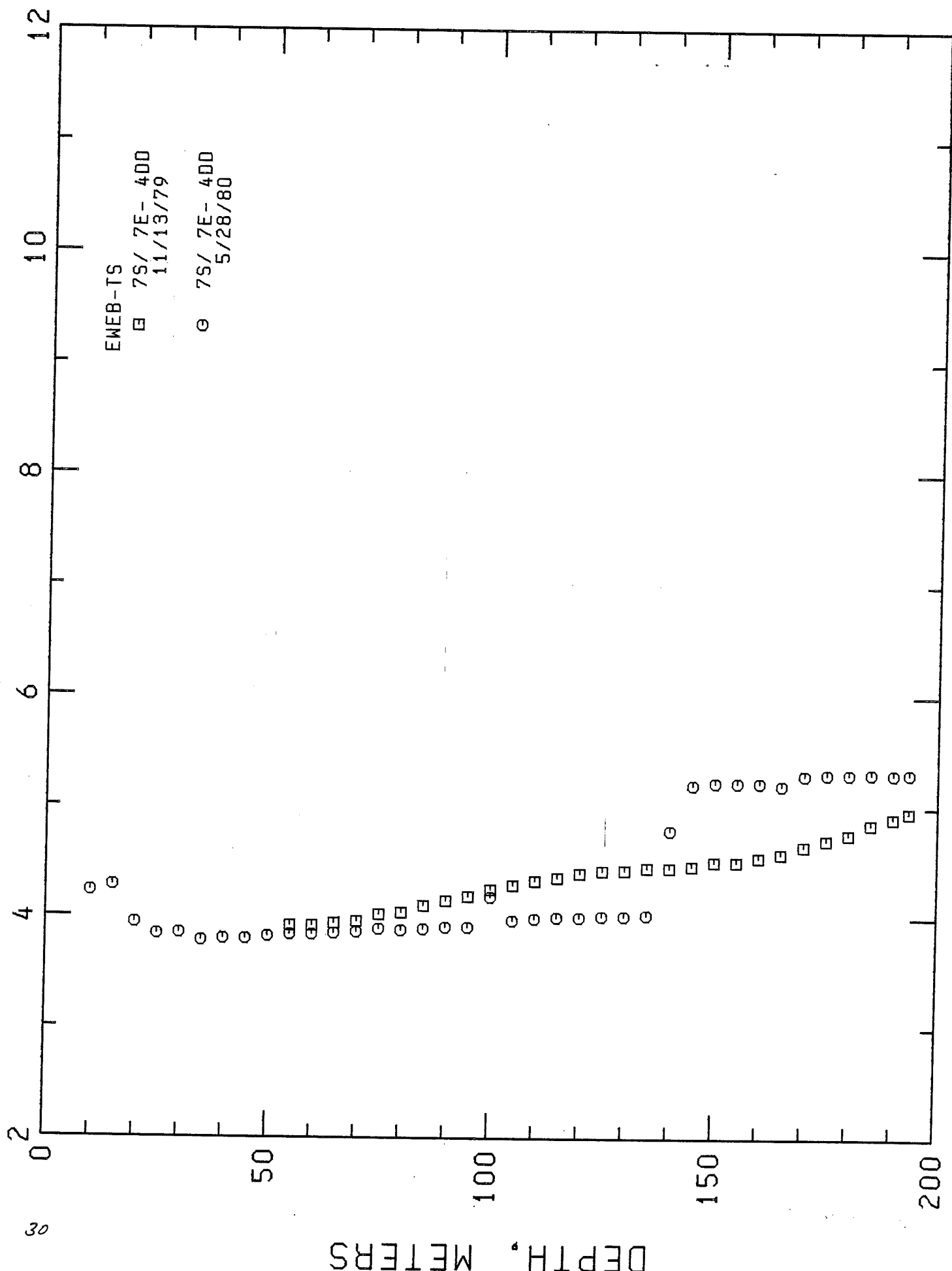
DEPTH
METERS

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
32.8	4.230	39.61
49.2	4.280	39.70
65.6	3.940	39.09
82.0	3.840	38.91
98.4	3.850	38.93
114.8	3.780	38.80
131.2	3.800	38.84
147.6	3.800	38.84
164.0	3.820	38.88
180.4	3.840	38.91
196.8	3.840	38.91
213.2	3.850	38.93
229.6	3.850	38.95
246.0	3.890	39.00
262.4	3.880	38.98
278.8	3.890	39.00
295.2	3.910	39.04
311.6	3.910	39.04
328.0	4.180	39.52
344.4	3.970	39.15
360.8	3.990	39.18
377.2	4.000	39.20
393.6	4.000	39.20
410.0	4.010	39.22
426.4	4.020	39.24
442.8	4.020	39.24
459.2	4.790	40.62
475.6	5.200	41.36
492.0	5.220	41.40
508.4	5.220	41.40
524.8	5.220	41.40
541.2	5.200	41.36
557.6	5.290	41.52
574.0	5.300	41.54
590.4	5.300	41.54
606.8	5.310	41.56
623.2	5.300	41.54
639.6	5.310	41.56

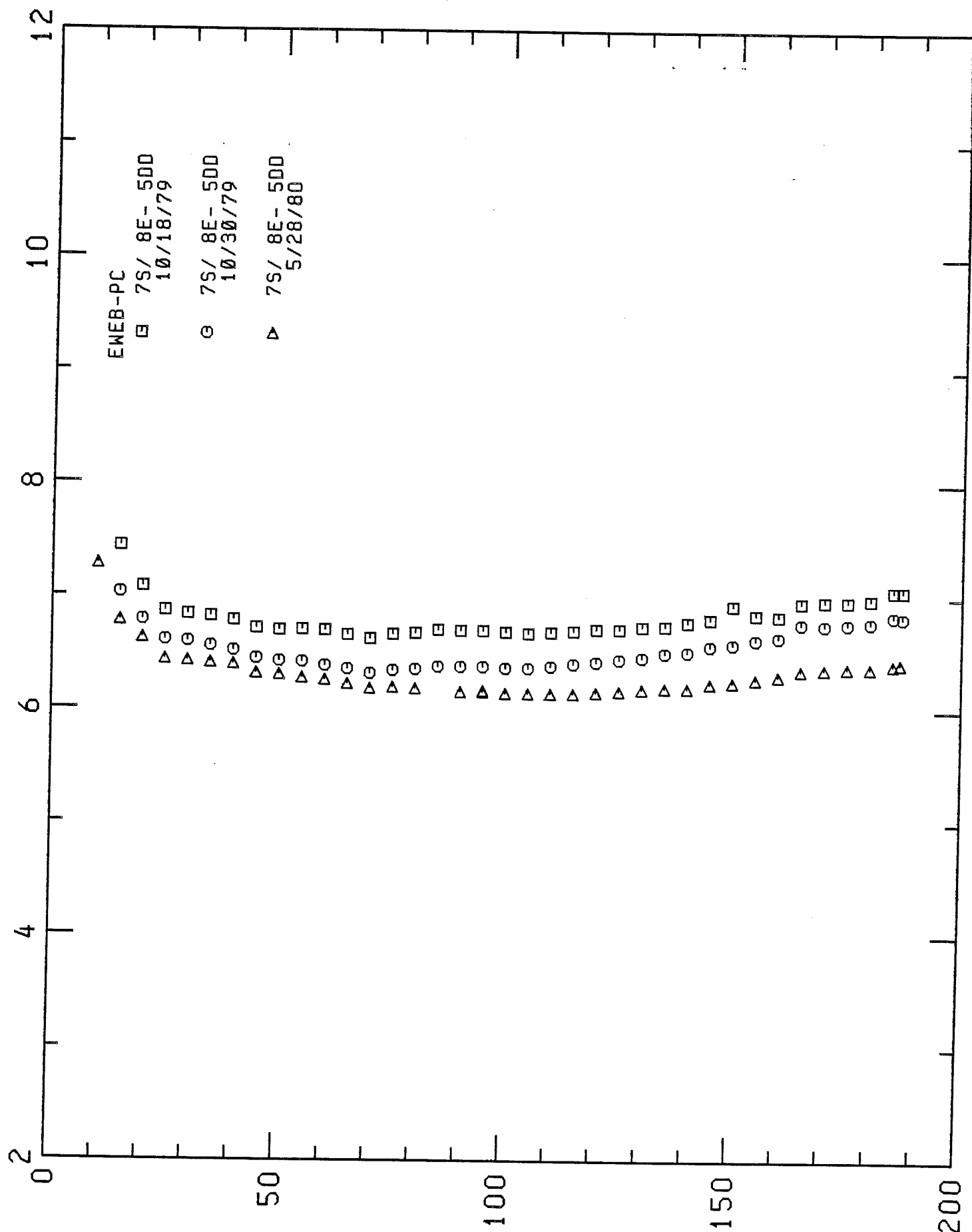
GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.5
10.0	0.7
-68.0	-3.1
-20.0	-1.1
2.0	0.1
-14.0	-0.8
4.0	0.2
0.0	0.0
4.0	0.2
4.0	0.2
4.0	0.0
0.0	0.0
0.0	0.1
2.0	0.1
2.0	0.1
6.0	0.3
-2.0	-0.1
2.0	0.1
4.0	0.2
0.0	0.0
54.0	3.0
-42.0	-2.3
4.0	0.1
2.0	0.1
0.0	0.1
2.0	0.1
0.0	0.1
2.0	0.1
154.0	8.4
182.0	10.5
4.0	0.2
0.0	0.0
0.0	0.0
-4.0	-0.2
18.0	1.0
2.0	0.1
0.0	0.0
2.0	0.1
-2.0	-0.1
-2.0	-0.2

TEMPERATURE, DEG C



TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

75/ 8E-10AD

HOLE NAME: ENEB-CC

DATE MEASURED: 5/30/80

TEMPERATURE

DEPTH

DEPTH

DEG C

FEET

METERS

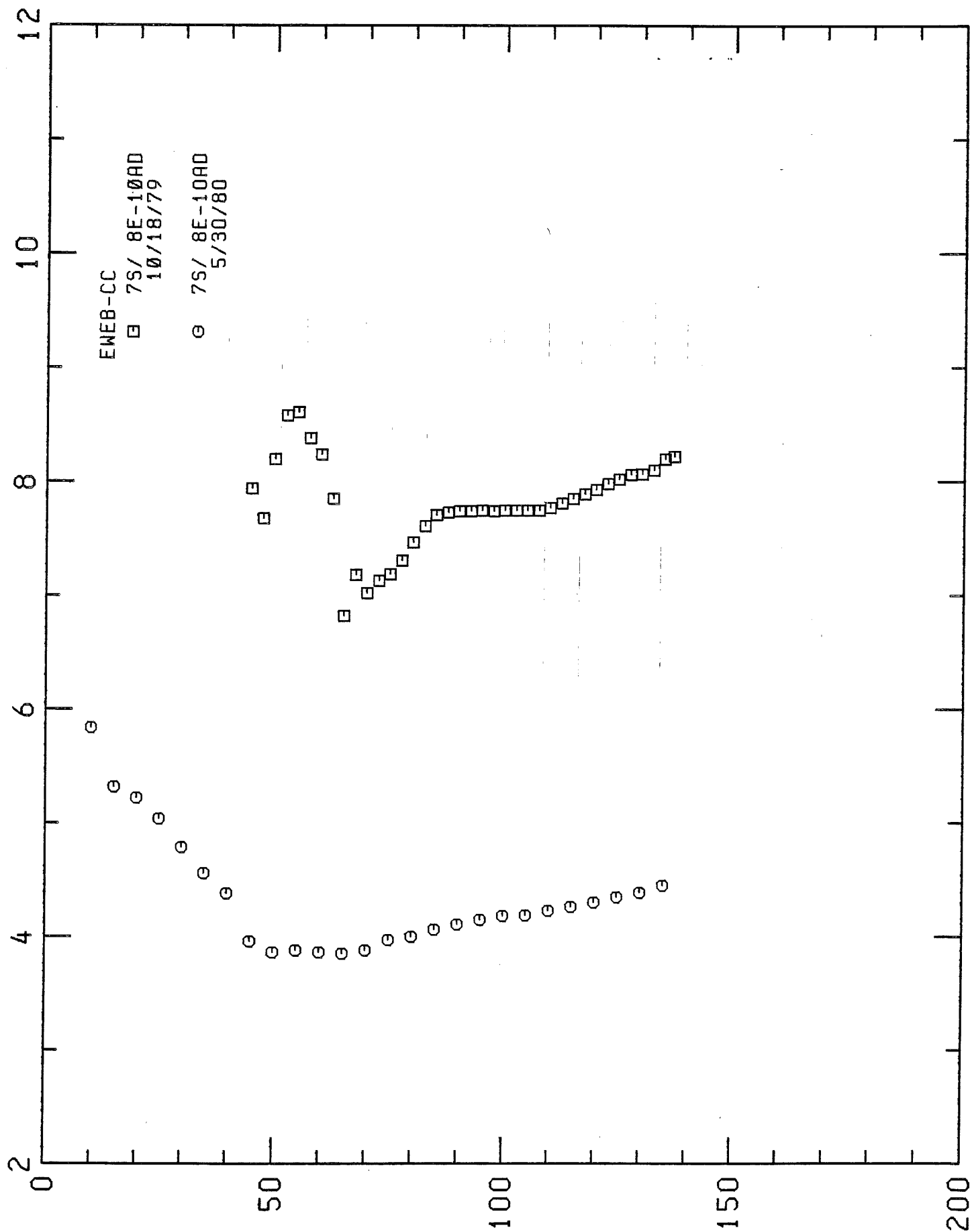
GEOTHERMAL GRADIENT

DEG C/KM

DEG F/100 FT

10.0	32.8	5.840	42.51	0.0	0.0
15.0	49.2	5.320	41.58	-104.0	-5.7
20.0	65.6	5.220	41.40	-20.0	-1.1
25.0	82.0	5.040	41.07	-36.0	-2.0
30.0	98.4	4.790	40.62	-50.0	-2.7
35.0	114.8	4.560	40.21	-46.0	-2.5
40.0	131.2	4.380	39.88	-36.0	-2.0
45.0	147.6	3.960	39.13	-84.0	-4.6
50.0	164.0	3.860	38.95	-20.0	-1.1
55.0	180.4	3.880	38.98	4.0	0.2
60.0	196.8	3.860	38.95	-4.0	-0.1
65.0	213.2	3.850	38.93	-2.0	-0.3
70.0	229.6	3.880	38.98	6.0	0.3
75.0	246.0	3.970	39.15	18.0	1.0
80.0	262.4	4.000	39.20	6.0	0.3
85.0	278.8	4.060	39.31	12.0	0.7
90.0	295.2	4.110	39.40	10.0	0.5
95.0	311.6	4.150	39.47	8.0	0.4
100.0	328.0	4.180	39.52	6.0	0.3
105.0	344.4	4.190	39.54	2.0	0.1
110.0	360.8	4.230	39.61	8.0	0.4
115.0	377.2	4.260	39.67	6.0	0.3
120.0	393.6	4.300	39.74	8.0	0.4
125.0	410.0	4.350	39.83	10.0	0.5
130.0	426.4	4.390	39.90	8.0	0.4
135.0	442.8	4.450	40.01	12.0	0.7

TEMPERATURE, DEG C



LOCATION: SALEM AMS, OREGON
BS/ 1E- 9BD

HOLE NAME: WOLFF

DATE MEASURED: 4/30/80

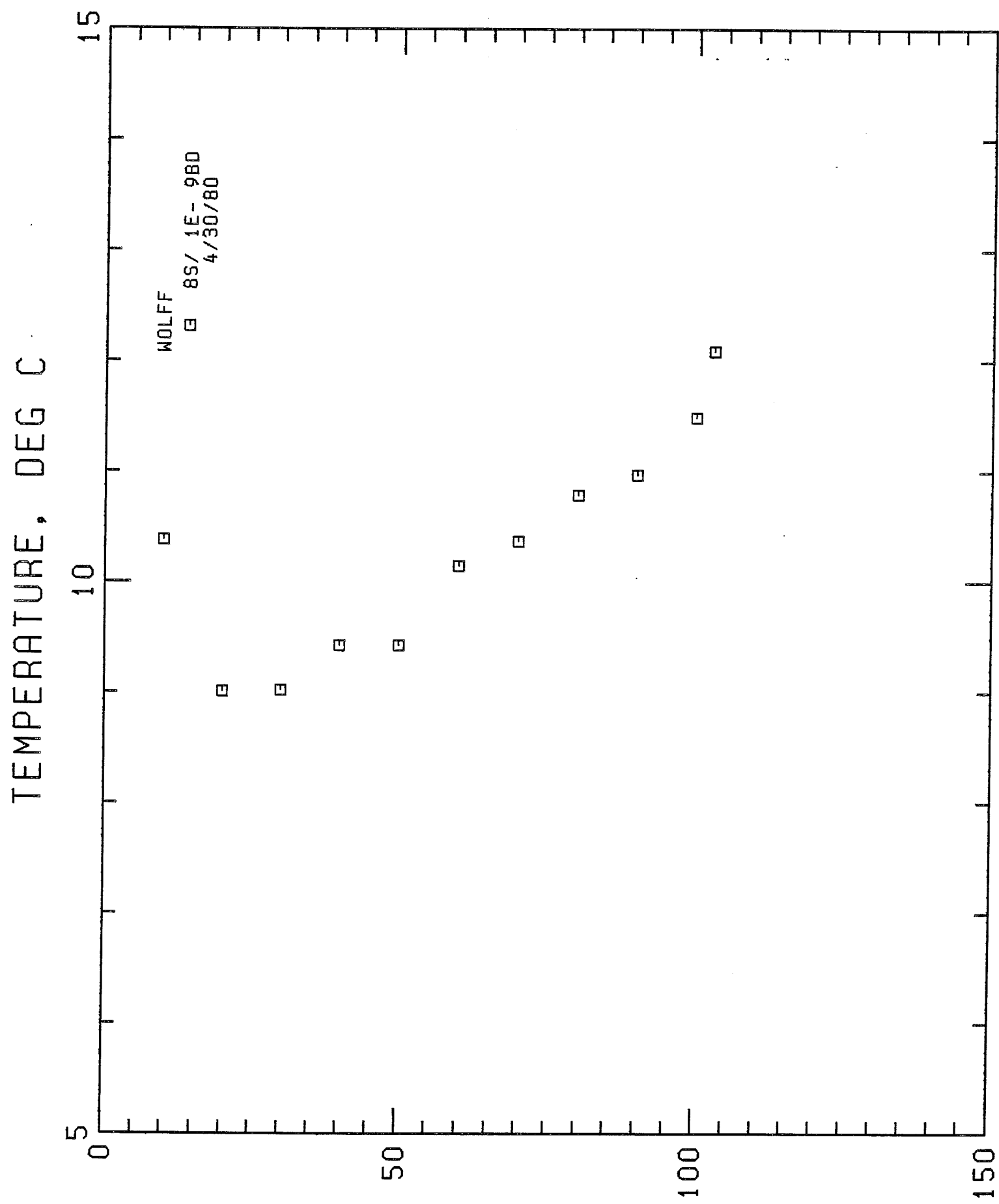
TEMPERATURE
DEG C DEG F

DEPTH
FEET

DEPTH
METERS

10.0	32.8	10.380	50.68	0.0	0.0
20.0	65.6	9.010	48.22	-137.0	-7.5
30.0	98.4	9.020	48.24	1.0	0.1
40.0	131.2	9.430	48.97	41.0	2.2
50.0	164.0	9.430	48.97	0.0	0.0
60.0	196.8	10.150	50.27	72.0	4.0
70.0	229.6	10.370	50.67	22.0	1.2
80.0	262.4	10.790	51.42	42.0	2.3
90.0	295.2	10.970	51.75	18.0	1.0
100.0	328.0	11.490	52.68	52.0	2.9
103.0	337.8	12.090	53.76	200.0	11.0

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT



LOCATION: BEND AMS, OREGON
85/ 8E- 6DD

HOLE NAME: EWEB-SB

DATE MEASURED: 4/29/80

DEPTH
FEET

TEMPERATURE
DEG C

GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

DEPTH
METERS

10.0	6.820	44.28	0.0	0.0
25.0	6.660	43.99	-10.7	-0.6
30.0	6.730	44.11	14.0	0.8
35.0	6.730	44.11	0.0	0.0
40.0	6.750	44.15	4.0	0.2
45.0	6.760	44.17	2.0	0.1
50.0	6.800	44.24	8.0	0.4
55.0	6.950	44.51	30.0	1.6
60.0	6.920	44.46	-6.0	-0.3
65.0	6.980	44.56	12.0	0.7
70.0	7.170	44.91	38.0	2.1
75.0	7.140	44.85	-6.0	-0.3
80.0	7.320	45.18	36.0	2.0
85.0	7.380	45.23	6.0	0.3
90.0	7.350	45.28	6.0	0.3
95.0	7.520	45.54	28.0	1.5
100.0	7.510	45.52	-2.0	-0.1
105.0	7.930	46.27	84.0	4.6
110.0	8.060	46.51	26.0	1.4
115.0	8.200	46.76	38.0	1.5
120.0	8.460	47.23	52.0	2.9
125.0	8.510	47.32	10.0	0.5
130.0	8.590	47.64	36.0	2.0
135.0	8.910	48.04	44.0	2.4
140.0	9.110	48.40	40.0	2.2
145.0	9.510	49.12	80.0	4.4
150.0	9.740	49.53	46.0	2.5
155.0	9.890	49.80	30.0	1.6
160.0	10.170	50.31	56.0	3.1
165.0	10.390	50.70	44.0	2.4
170.0	10.600	51.08	42.0	2.3
175.0	11.050	51.89	30.0	1.8
180.0	11.210	52.18	32.0	3.1
185.0	11.490	52.68	56.0	4.0
190.0	11.850	53.33	72.0	5.0
195.0	12.310	54.16	92.0	1.3
200.0	12.190	53.94	-24.0	-1.0
205.0	12.740	54.93	110.0	6.0
210.0	12.850	55.13	22.0	2.2
215.0	13.050	55.49	40.0	3.7
220.0	13.390	56.10	68.0	

LOCATION: BEND AMS, OREGON

PAGE 2

HOLE NAME: EWEB-SB

DATE MEASURED: 4/29/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
225.0	738.0	14.020	57.24	126.0	6.9
230.0	754.4	14.020	57.24	132.0	7.2
235.0	770.8	14.680	58.42	132.0	7.2
240.0	787.2	14.660	58.39	-4.0	-0.2
245.0	803.6	15.010	59.02	70.0	3.8
250.0	820.0	15.430	59.77	84.0	4.6
255.0	836.4	15.760	60.37	66.0	3.6
260.0	852.8	16.130	61.03	74.0	4.1
265.0	869.2	16.430	61.57	60.0	3.3
270.0	885.6	16.960	62.53	106.0	5.8
275.0	902.0	17.130	62.83	34.0	1.9
280.0	918.4	17.470	63.45	68.0	3.7
285.0	934.8	18.160	64.69	138.0	7.6
290.0	951.2	18.640	65.55	96.0	5.3
295.0	967.6	19.570	67.23	186.0	10.2
300.0	984.0	20.640	69.15	214.0	11.7
305.0	1000.4	21.590	70.86	190.0	10.4
310.0	1016.8	22.070	71.73	96.0	5.3
315.0	1033.2	22.400	72.32	66.0	3.6
320.0	1049.6	22.850	73.13	90.0	4.9
325.0	1066.0	23.160	73.69	62.0	3.4
330.0	1082.4	23.520	74.34	72.0	4.0
335.0	1098.8	23.800	74.84	56.0	3.1
340.0	1115.2	24.090	75.36	58.0	3.2
345.0	1131.6	24.350	75.83	52.0	2.9
350.0	1148.0	24.630	76.33	56.0	3.1
355.0	1164.4	24.790	76.62	32.0	1.8
360.0	1180.8	24.990	76.98	40.0	2.2
365.0	1197.2	25.260	77.47	54.0	3.0
370.0	1213.6	25.440	77.79	36.0	2.0
375.0	1230.0	25.620	78.12	36.0	2.0
380.0	1246.4	25.860	78.55	48.0	2.6
385.0	1262.8	26.140	79.05	56.0	3.1
390.0	1279.2	26.320	79.38	36.0	2.2
395.0	1295.6	26.550	79.79	46.0	2.5
400.0	1312.0	26.800	80.24	50.0	2.7
405.0	1328.4	27.020	80.64	44.0	2.4
410.0	1344.8	27.260	81.07	48.0	2.6
415.0	1361.2	27.470	81.45	42.0	2.3
420.0	1377.6	27.880	82.18	82.0	4.6
425.0	1394.0	28.460	83.23	116.0	6.4

LOCATION: BEND AMS, OREGON

89/ 8E- 6DD

HOLE NAME: ENEB-SB

DATE MEASURED: 4/29/80

TEMPERATURE

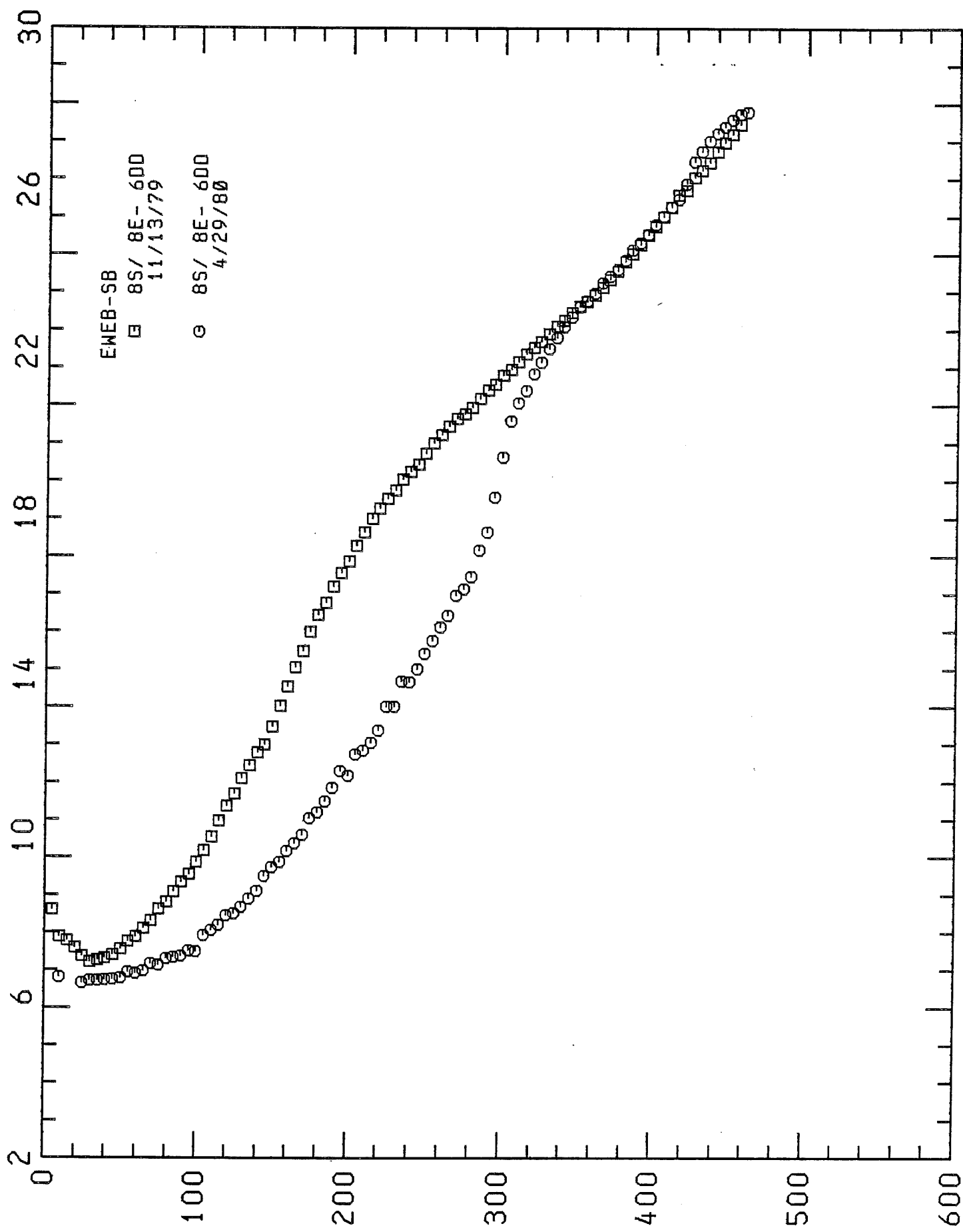
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

1410.4	28.750	83.75	58.0	3.2
1426.8	29.020	84.24	54.0	2.2
1443.2	29.220	84.60	40.0	2.2
1459.6	29.400	84.92	36.0	2.0
1476.0	29.590	85.26	38.0	2.1
1492.4	29.730	85.51	28.0	1.5
1508.8	29.790	85.62	12.0	0.7

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON
95/ 7E-20AA

HOLE NAME: BEARER3

DATE MEASURED: 4/29/80

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
16.4	52.240	126.03	0.0	0.0
32.8	55.060	131.11	564.0	31.0
49.2	57.960	136.33	580.0	31.8
65.6	60.430	140.77	494.0	27.1
82.0	61.610	142.90	236.0	13.0
98.4	64.270	147.69	532.0	29.2
114.8	66.330	151.39	412.0	22.6
131.2	67.780	154.00	290.0	15.9
147.6	69.200	156.56	284.0	15.6
164.0	70.950	159.71	350.0	19.2
180.4	71.310	160.36	72.0	4.0
196.8	72.870	163.17	312.0	17.1
213.2	73.760	164.77	178.0	9.8
229.6	74.120	165.42	72.0	4.0
246.0	74.410	165.94	58.0	3.2
262.4	72.410	162.34	-400.0	-32.0
278.8	71.610	160.90	-160.0	-8.8
295.2	72.130	161.83	104.0	5.7
311.6	72.840	163.11	142.0	7.8
328.0	73.640	164.55	160.0	8.8
344.4	74.370	165.87	146.0	8.0
360.8	75.040	167.07	134.0	7.4
377.2	75.670	168.21	126.0	6.9
393.6	76.290	169.32	124.0	6.8
410.0	76.840	170.31	110.0	6.0
426.4	77.390	171.30	110.0	6.0
442.8	77.890	172.20	100.0	5.5
459.2	78.360	173.05	94.0	5.2
475.6	78.700	173.66	88.0	4.8
492.0	79.140	174.45	88.0	4.8
508.4	79.660	175.39	104.0	5.3
524.8	80.140	176.25	96.0	5.3
541.2	80.570	177.03	86.0	4.6
557.6	80.990	177.78	84.0	4.5
574.0	81.400	178.52	82.0	4.4
590.4	81.810	179.26	82.0	4.3
606.8	82.200	179.96	78.0	4.0
623.2	82.560	180.61	72.0	3.7
639.6	82.940	181.29	76.0	4.3
656.0	83.280	181.90	68.0	3.7
672.4	83.620	182.52	68.0	3.7

LOCATION: BEND AMS, OREGON

HOLE NAME: BEAMER3

DATE MEASURED: 4/29/80

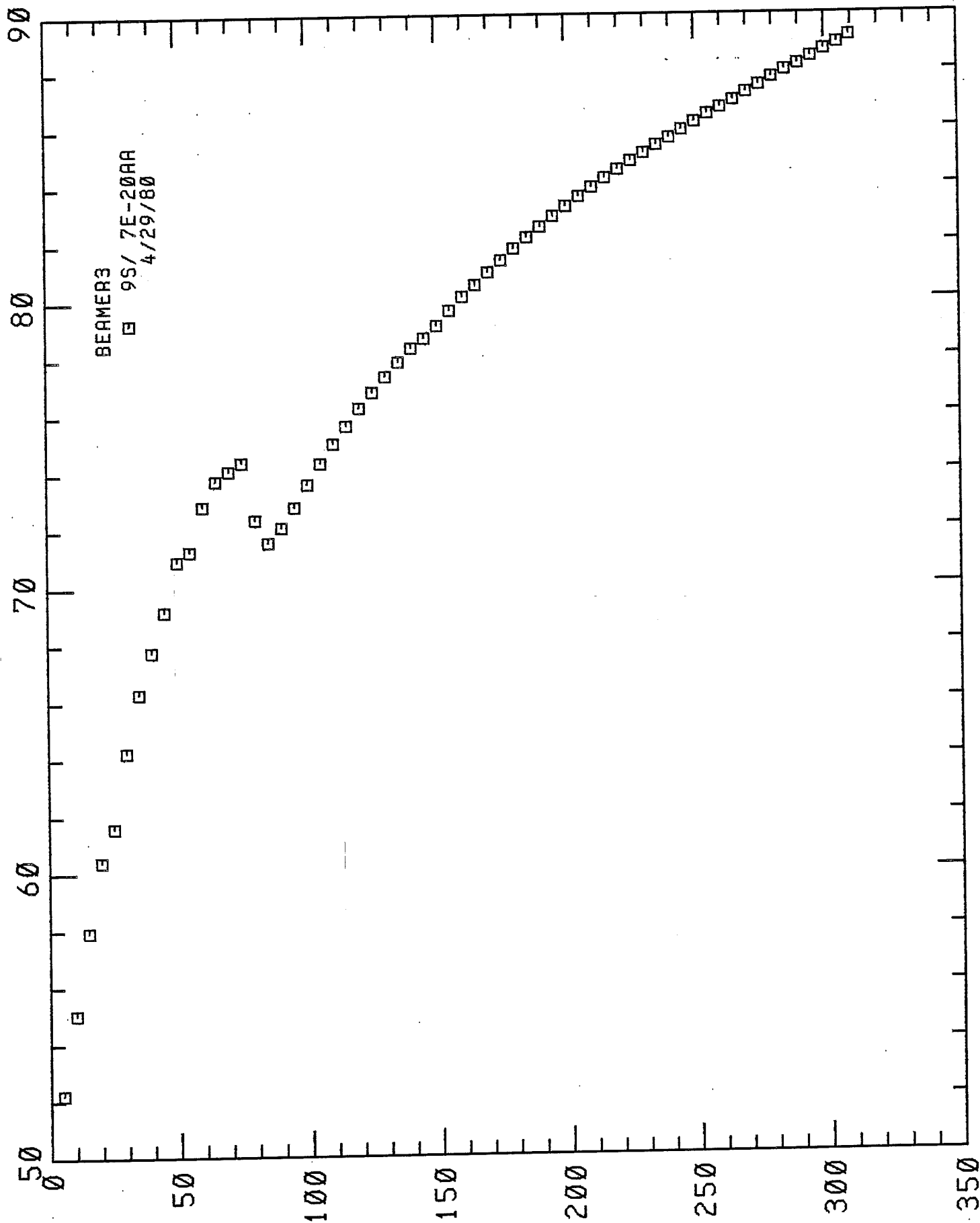
TEMPERATURE
DEG C DEG F

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

210.0	83.940	183.09	64.0	3.5
215.0	84.260	183.67	64.0	3.5
220.0	84.570	184.23	62.0	3.4
225.0	84.850	184.73	56.0	3.1
230.0	85.130	185.23	56.0	3.1
235.0	85.400	185.72	54.0	3.0
240.0	85.650	186.17	50.0	3.0
245.0	85.920	186.66	54.0	3.0
250.0	86.200	187.16	56.0	3.1
255.0	86.470	187.65	54.0	3.0
260.0	86.710	188.08	48.0	2.6
265.0	86.970	188.55	52.0	3.0
270.0	87.230	189.01	52.0	3.0
275.0	87.490	189.48	52.0	3.0
280.0	87.760	189.97	54.0	3.0
285.0	88.000	190.40	48.0	2.6
290.0	88.220	190.80	44.0	2.4
295.0	88.460	191.23	48.0	2.6
300.0	88.710	191.68	50.0	3.0
305.0	88.950	192.11	48.0	2.6
309.5	89.200	192.56	55.6	3.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

95/ 7E-20AC

HOLE NAME: BEAMER1

DATE MEASURED: 0/ 0/ 0

TEMPERATURE

DEG C DEG F

DEPTH

FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0 0.0
0.3 0.3
0.0 0.0
0.0 0.0
0.4 0.4
0.0 0.0
0.0 0.0
0.0 0.0
1.9 1.9
8.1 8.1
-17.2 -17.2
-3.1 -3.1
-0.7 -0.7
-5.1 -5.1
-3.0 -3.0

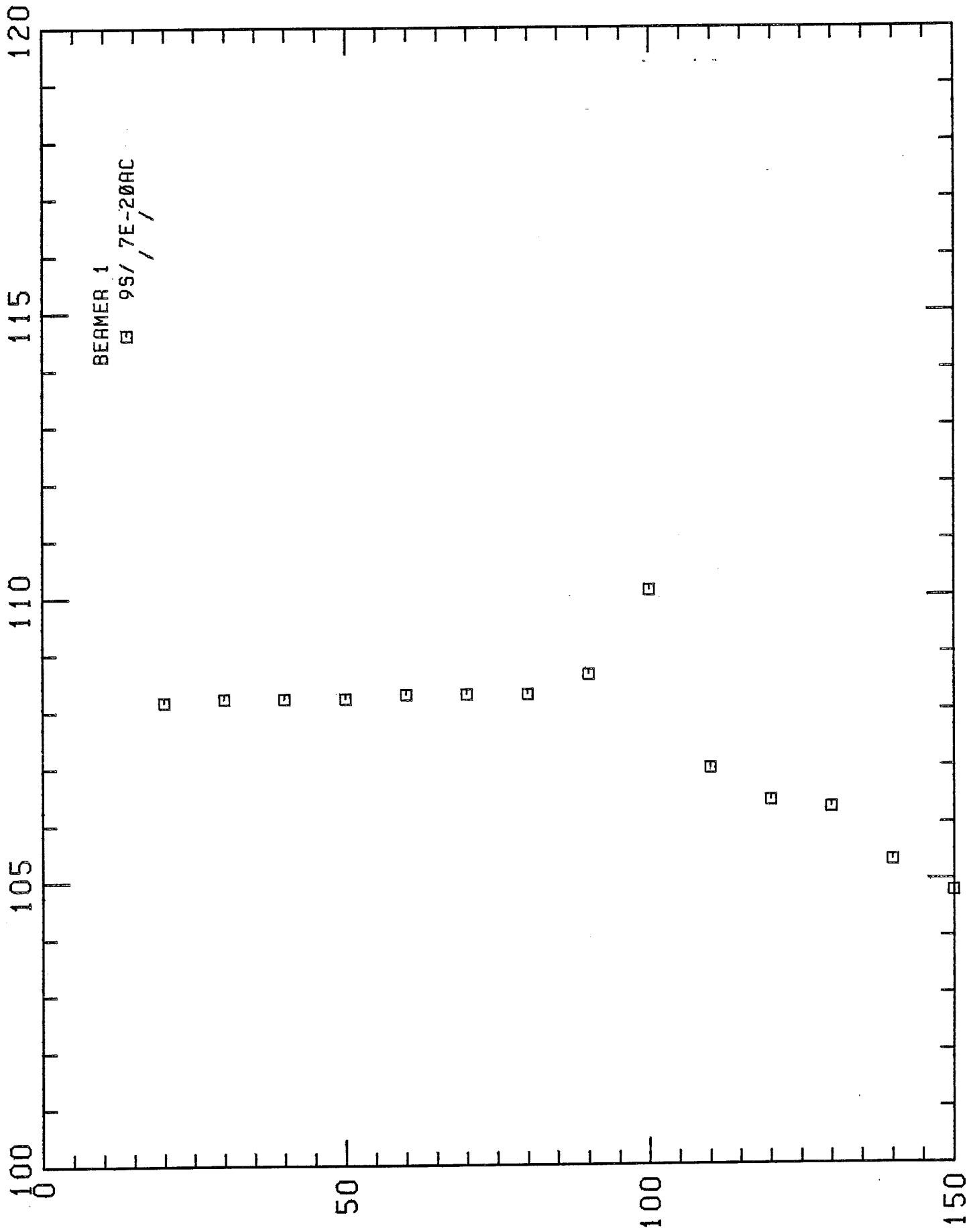
226.71
226.81
226.81
226.81
226.94
226.94
226.94
227.55
230.20
224.56
223.54
223.30
221.63
220.64

108.170
108.230
108.230
108.230
108.300
108.300
108.300
108.640
110.110
106.980
106.410
106.280
105.350
104.800

65.6
98.4
131.2
164.0
196.8
229.6
262.4
295.2
328.0
360.8
393.6
426.4
459.2
492.0

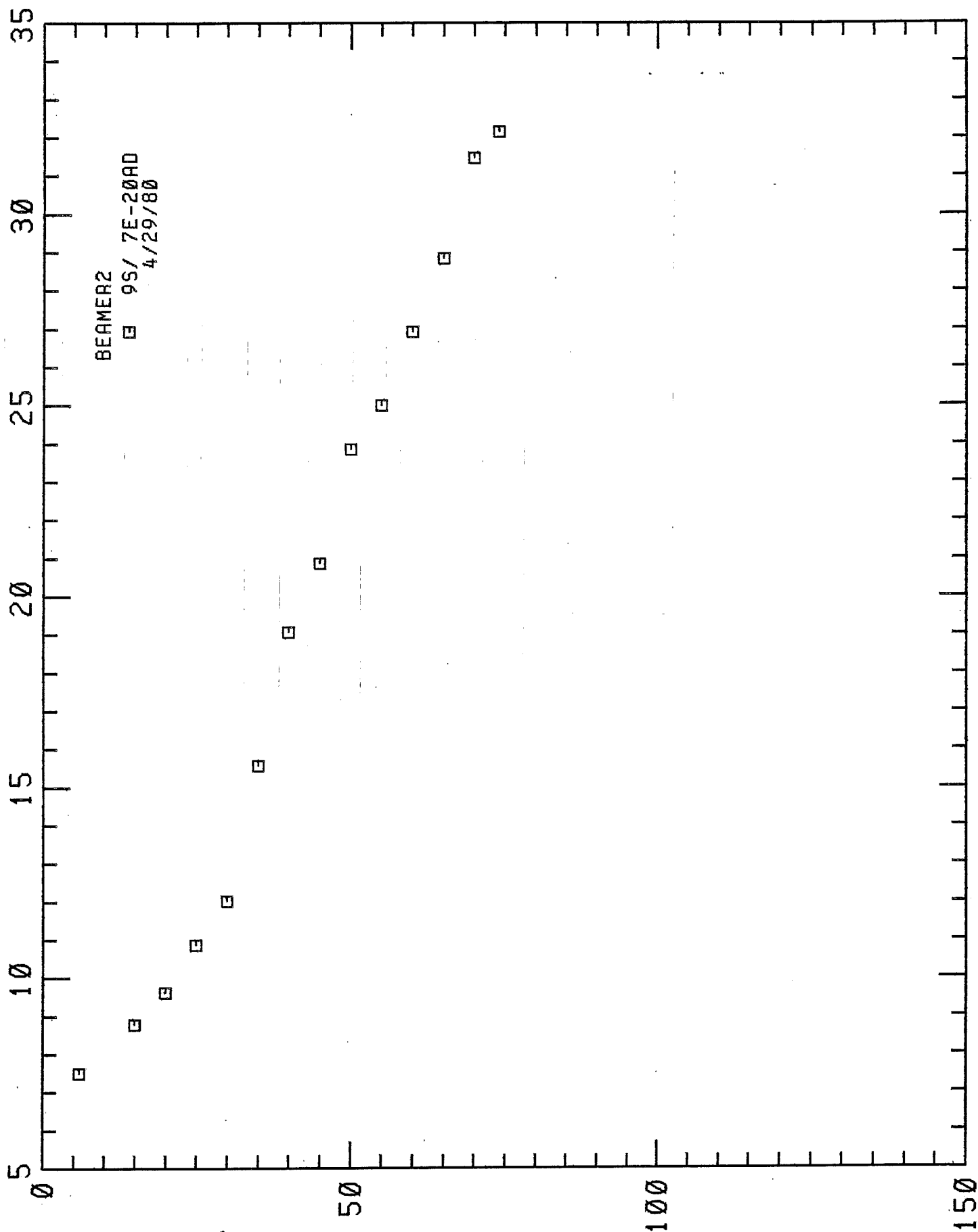
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0
110.0
120.0
130.0
140.0
150.0

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON			
9S/ 7E-20AD			
HOLE NAME: BEAMER2			
DATE MEASURED: 4/29/80			
DEPTH	TEMPERATURE	GEOTHERMAL GRADIENT	
METERS	DEG C	DEG C/KM	DEG F/100 FT
6.0	7.500	0.0	0.0
15.0	8.780	142.2	7.8
20.0	9.630	170.0	9.3
25.0	10.880	250.0	13.7
30.0	12.020	228.0	12.5
35.0	15.580	712.0	39.1
40.0	19.070	698.0	38.3
45.0	20.870	360.0	19.8
50.0	23.860	598.0	32.8
55.0	25.000	228.0	12.5
60.0	26.920	384.0	21.1
65.0	28.850	386.0	21.2
70.0	31.460	522.0	28.6
74.0	32.150	172.5	9.5
19.7	45.50		
49.2	47.80		
65.6	49.33		
82.0	51.58		
98.4	53.64		
114.8	60.04		
131.2	66.33		
147.6	69.57		
164.0	74.95		
180.4	77.00		
196.8	80.46		
213.2	83.93		
229.6	88.63		
242.7	89.87		

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

HOLE NAME: 10S/ 7E-11AA

DATE MEASURED: 10/ 8/80

TEMPERATURE

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

19.0	62.3	6.940	44.49	0.0	0.0	0.0
21.0	68.9	7.100	44.78	80.0	4.4	4.4
23.0	75.4	7.100	44.78	0.0	0.0	0.0
25.0	82.0	7.110	44.80	5.0	0.3	0.3
27.0	88.6	7.130	44.83	0.0	0.0	0.0
29.0	95.1	7.140	44.85	10.0	0.5	0.5
31.0	101.7	7.160	44.89	5.0	0.3	0.3
33.0	108.8	7.240	45.03	10.0	0.5	0.5
35.0	114.8	7.420	45.36	40.0	2.2	2.2
37.0	121.4	7.550	45.59	90.0	4.4	4.4
39.0	127.9	7.680	45.82	65.0	3.6	3.6
41.0	134.5	7.800	46.04	65.0	3.6	3.6
43.0	141.0	7.930	46.27	65.0	3.6	3.6
45.0	147.6	8.070	46.53	70.0	3.8	3.8
47.0	154.2	8.210	46.78	70.0	3.8	3.8
49.0	160.7	8.350	47.03	70.0	3.8	3.8
51.0	167.3	8.470	47.25	60.0	3.3	3.3
53.0	173.8	8.600	47.48	65.0	3.6	3.6
55.0	180.4	8.740	47.73	70.0	3.8	3.8
57.0	187.0	8.890	48.00	75.0	4.1	4.1
59.0	193.5	9.060	48.31	85.0	4.7	4.7
61.0	200.1	9.400	48.92	170.0	9.3	9.3
63.0	206.6	9.650	49.37	125.0	6.6	6.6
65.0	213.8	9.710	49.48	25.0	0.9	0.9
67.0	219.9	9.850	49.73	70.0	3.4	3.4
69.0	226.9	10.000	50.00	75.0	3.8	3.8
71.0	233.4	10.180	50.32	90.0	4.4	4.4
73.0	240.6	10.310	50.56	65.0	3.6	3.6
75.0	246.9	10.470	50.85	80.0	4.4	4.4
77.0	253.1	10.630	51.13	80.0	4.4	4.4
79.0	259.7	10.820	51.48	85.0	4.7	4.7
81.0	265.7	11.120	51.71	85.0	4.7	4.7
83.0	272.8	11.280	52.02	80.0	4.4	4.4
85.0	278.4	11.460	52.63	80.0	4.4	4.4
87.0	285.5	11.590	52.86	65.0	3.6	3.6
89.0	291.9	11.740	53.13	75.0	4.1	4.1
91.0	298.6	11.890	53.40	65.0	3.6	3.6
93.0	305.0	12.020	53.64	75.0	4.1	4.1
95.0	311.6			65.0	3.6	3.6
97.0	318.2					
99.0	324.7					

LOCATION: BEND AMS, OREGON

10S/ 7E-11AA

HOLE NAME: DEUL CRK

DATE MEASURED: 10/ 8/80

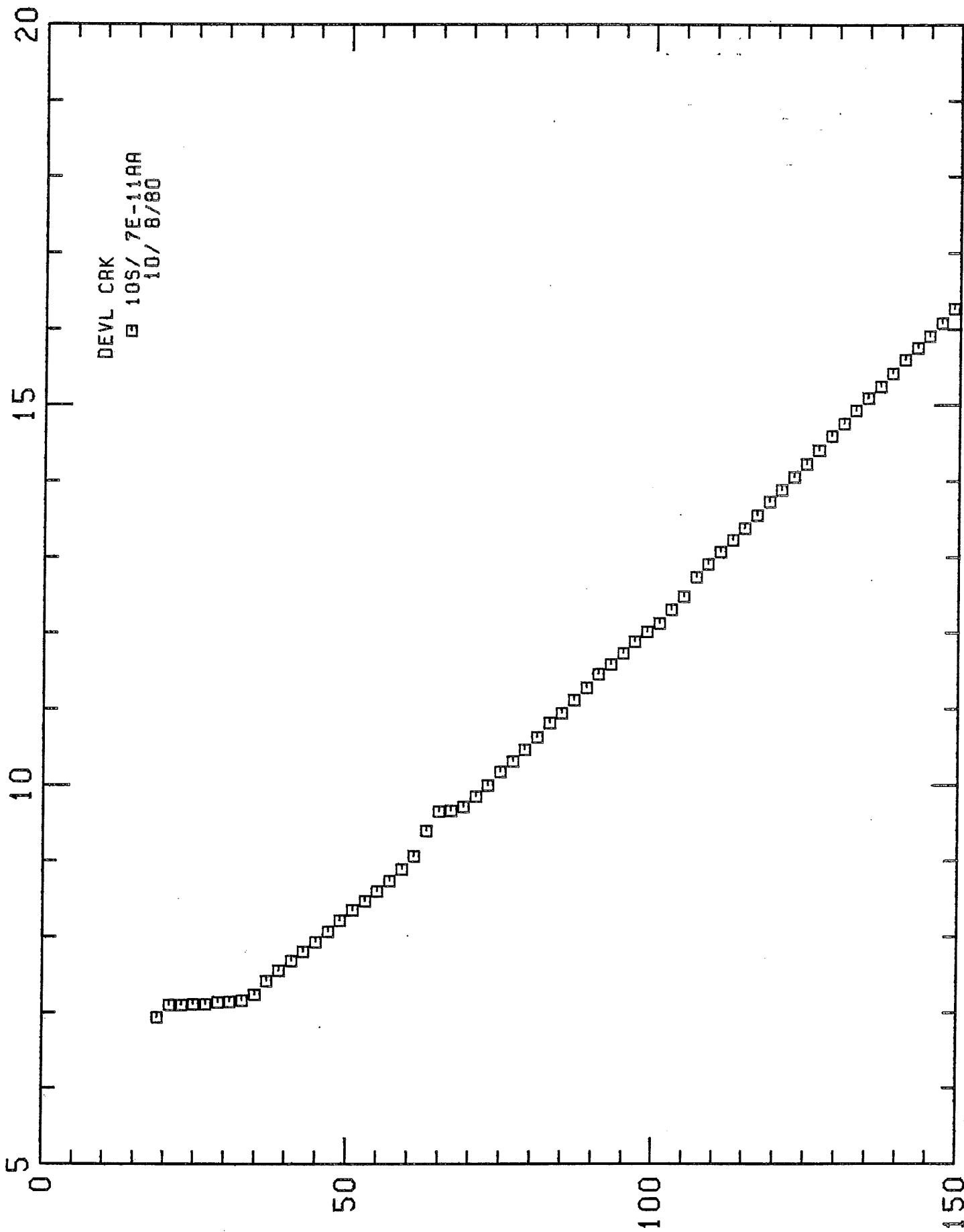
DEPTH DEGREE C DEGREE F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH
METERS

101.0	331.3	12.130	53.83	55.0	3.0
103.0	337.8	12.310	54.16	50.0	4.9
105.0	344.4	12.480	54.46	85.0	4.7
107.0	351.0	12.740	54.93	130.0	7.1
109.0	357.5	12.910	55.24	85.0	4.7
111.0	364.1	13.070	55.53	80.0	4.4
113.0	370.6	13.230	55.81	80.0	4.4
115.0	377.2	13.380	56.08	75.0	4.1
117.0	383.8	13.550	56.39	85.0	4.7
119.0	390.3	13.730	56.71	90.0	4.9
121.0	396.9	13.890	57.00	80.0	4.4
123.0	403.4	14.060	57.31	85.0	4.7
125.0	410.0	14.230	57.61	85.0	4.7
127.0	416.6	14.410	57.94	90.0	4.9
129.0	423.1	14.600	58.28	95.0	5.2
131.0	429.7	14.760	58.57	80.0	4.4
133.0	436.2	14.930	58.87	80.0	4.7
135.0	442.8	15.100	59.18	85.0	4.7
137.0	449.4	15.250	59.45	75.0	4.1
139.0	455.9	15.420	59.76	85.0	4.7
141.0	462.5	15.600	60.08	90.0	4.9
143.0	469.0	15.760	60.37	80.0	4.4
145.0	475.6	15.910	60.64	75.0	4.1
147.0	482.2	16.080	60.94	85.0	4.7
149.0	488.7	16.270	61.29	85.0	5.2
151.0	495.3	16.420	61.56	75.0	4.1
153.0	501.8	16.580	61.84	80.0	4.4

TEMPERATURE, DEG C



LOCATION: SALEM AMS, OREGON

11S/ SE-22DD

HOLE NAME: BUCK MIN

DATE MEASURED: 10/ 8/80

TEMPERATURE

DEG C

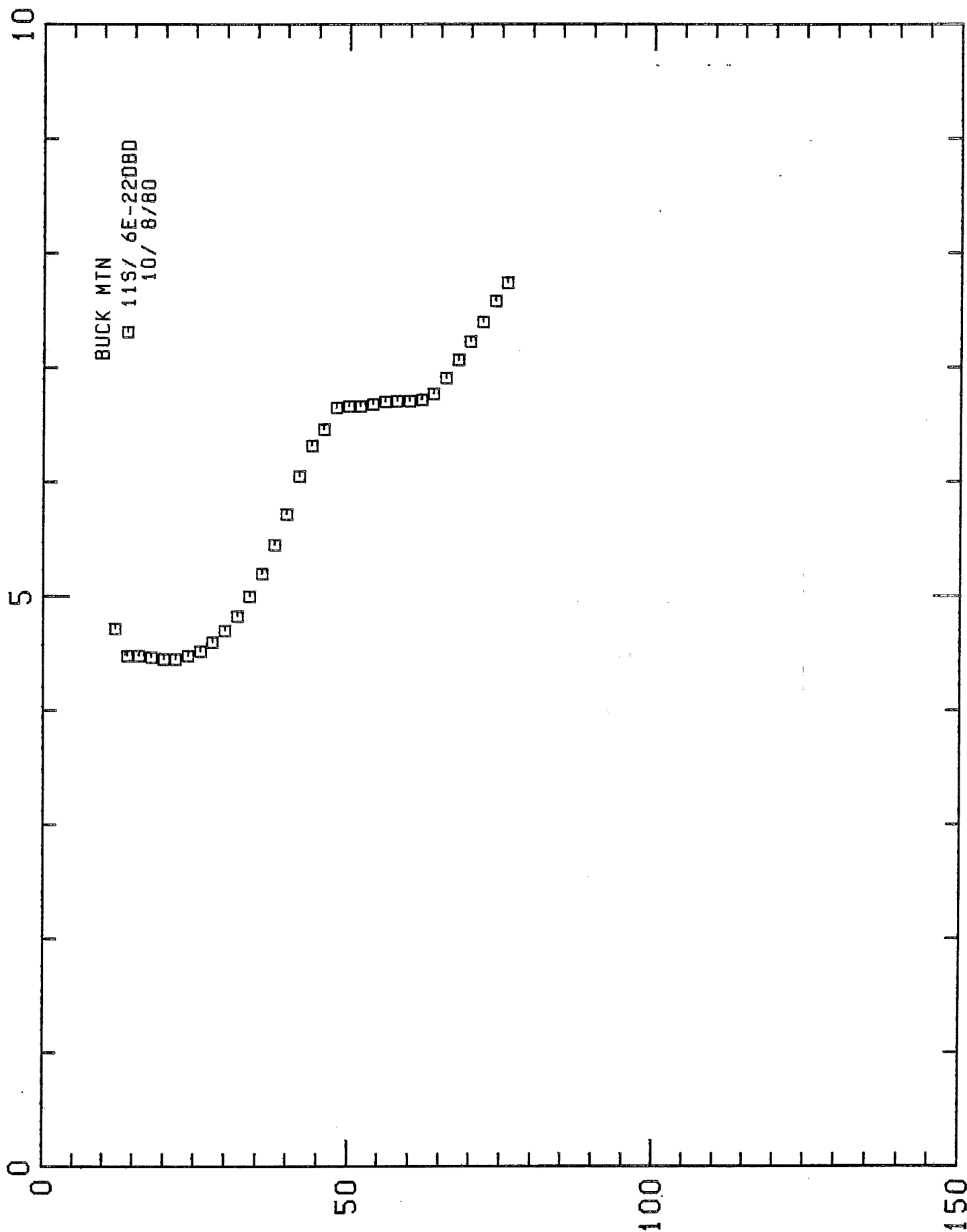
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

12.0	39.4	4.720	40.50	0.0	0.0
14.0	45.9	4.480	40.06	-120.0	-5.6
16.0	52.5	4.480	40.06	0.0	0.0
18.0	59.0	4.470	40.05	-5.0	-0.3
20.0	65.6	4.450	40.01	-10.0	-0.5
22.0	72.2	4.450	40.01	0.0	0.0
24.0	78.7	4.480	40.06	15.0	0.8
26.0	85.3	4.520	40.14	20.0	1.1
28.0	91.8	4.600	40.28	40.0	2.2
30.0	98.4	4.700	40.46	50.0	2.7
32.0	105.0	4.830	40.69	65.0	3.6
34.0	111.5	5.000	41.00	85.0	4.7
36.0	118.1	5.200	41.36	100.0	5.5
38.0	124.6	5.450	41.81	125.0	5.9
40.0	131.2	5.720	42.30	135.0	7.4
42.0	137.8	6.050	42.89	155.0	7.1
44.0	144.3	6.320	43.38	155.0	7.4
46.0	150.9	6.460	43.63	170.0	9.8
48.0	157.4	6.650	43.97	70.0	2.3
50.0	164.0	6.650	43.99	5.0	0.0
52.0	170.6	6.650	43.99	0.0	0.0
54.0	177.1	6.680	44.02	10.0	0.5
56.0	183.7	6.700	44.06	10.0	0.5
58.0	190.2	6.710	44.08	5.0	0.3
60.0	196.8	6.720	44.10	0.0	0.0
62.0	203.4	6.720	44.19	5.0	0.3
64.0	209.9	6.770	44.44	25.0	1.4
66.0	216.5	6.910	44.73	70.0	3.8
68.0	223.0	7.070	45.01	80.0	4.4
70.0	229.6	7.230	45.32	80.0	4.4
72.0	236.2	7.400	45.64	85.0	4.7
74.0	242.7	7.580	45.93	90.0	4.9
76.0	249.3	7.740	45.93	80.0	4.4

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

11S/ 7E-10DC

HOLE NAME: MNTD CRK

DATE MEASURED: 10/ 7/80

DEPTH METERS

DEPTH FEET

TEMPERATURE DEG C

TEMPERATURE DEG F

GEOTHERMAL GRADIENT DEG C/KM

GEOTHERMAL GRADIENT DEG F/100 FT

16.0	52.5	11.130	52.03	0.0	0.0
18.0	59.0	11.690	53.04	280.0	15.4
20.0	65.6	12.480	54.46	355.0	21.7
22.0	72.2	12.850	55.13	185.0	10.2
24.0	78.7	13.110	55.60	130.0	7.1
26.0	85.3	13.230	55.81	60.0	3.3
28.0	91.8	13.310	55.96	40.0	2.6
30.0	98.4	13.370	56.07	30.0	2.2
32.0	105.0	13.450	56.21	40.0	1.2
34.0	111.5	13.520	56.34	35.0	1.4
36.0	118.1	13.570	56.43	25.0	1.2
38.0	124.6	13.650	56.57	40.0	2.5
40.0	131.2	13.740	56.73	45.0	1.9
42.0	137.8	13.810	56.86	35.0	1.4
44.0	144.3	13.960	57.13	75.0	2.7
46.0	150.9	14.060	57.31	50.0	1.4
48.0	157.4	14.110	57.40	25.0	0.8
50.0	164.0	14.140	57.45	15.0	0.2
52.0	170.6	14.220	57.60	40.0	2.5
54.0	177.1	14.310	57.76	45.0	2.2
56.0	183.7	14.360	57.85	25.0	1.0
58.0	190.2	14.390	57.90	15.0	0.6
60.0	196.8	14.450	58.01	30.0	1.1
62.0	203.4	14.520	58.14	35.0	1.1
64.0	209.9	14.590	58.26	35.0	1.1
66.0	216.5	14.660	58.39	35.0	1.1
68.0	223.0	14.730	58.51	35.0	1.1
70.0	229.6	14.790	58.62	30.0	1.1
72.0	236.2	14.840	58.71	35.0	1.6
74.0	242.7	14.900	58.82	30.0	1.6
76.0	249.3	14.990	58.98	45.0	2.2
78.0	255.8	15.060	59.11	35.0	1.1
80.0	262.4	15.110	59.20	25.0	0.9
82.0	269.0	15.120	59.22	5.0	1.0
84.0	275.5	15.170	59.31	35.0	1.4
86.0	282.1	15.230	59.41	30.0	1.6
88.0	288.6	15.250	59.45	10.0	0.8
90.0	295.2	15.280	59.50	15.0	0.4
92.0	301.8	15.330	59.59	25.0	1.1
94.0	308.3	15.350	59.63	10.0	0.5
96.0	314.9	15.380	59.68	15.0	0.8

LOCATION: BEND AMS, OREGON

PAGE 2

115/ 7E-10DC

HOLE NAME: MNTD CRK

DATE MEASURED: 10/ 7/80

DEPTH
FEET

DEPTH
METERS

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
321.4	15.440	59.79
328.0	15.450	59.81
334.6	15.460	59.83
341.1	15.580	60.04
347.7	16.020	60.84
354.2	16.160	61.09

GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
30.0	1.6
5.0	0.3
5.0	0.3
60.0	3.3
220.0	12.1
70.0	3.8

TEMPERATURE, DEG C

18

16

14

12

10

8

MNTO CRK

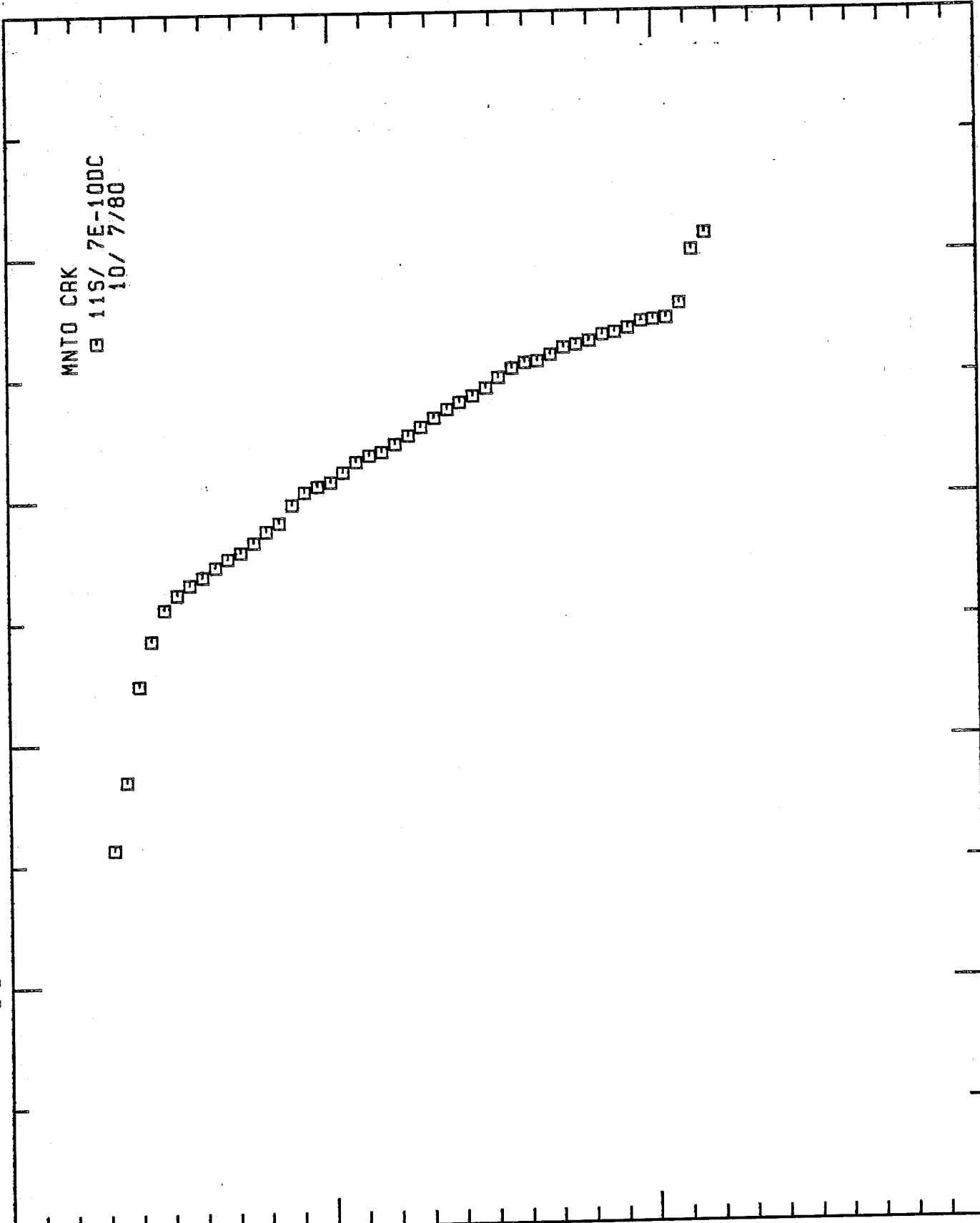
□ 11S/ 7E-10DC

10/ 7/80

50

100

150



LOCATION: BEND AMS, OREGON

HOLE NAME: 115/10E- SACB

DATE MEASURED: 10/ 9/80

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH
METERS

45.0	147.6	8.210	46.78	0.0	0.0	1.1
47.0	154.2	8.250	46.85	20.0	20.0	1.1
49.0	160.7	8.290	46.92	20.0	20.0	1.1
51.0	167.3	8.330	46.99	20.0	20.0	1.1
53.0	173.8	8.370	47.07	20.0	20.0	1.1
55.0	180.4	8.400	47.12	15.0	15.0	0.8
57.0	187.0	8.440	47.19	20.0	20.0	1.1
59.0	193.5	8.470	47.25	15.0	15.0	0.8
61.0	200.1	8.500	47.30	15.0	15.0	0.8
63.0	206.6	8.540	47.37	20.0	20.0	1.1
65.0	213.2	8.580	47.48	30.0	30.0	1.6
67.0	219.8	8.650	47.57	25.0	25.0	1.4
69.0	226.3	8.700	47.66	25.0	25.0	1.4
71.0	232.9	8.760	47.77	30.0	30.0	1.6
73.0	239.4	8.820	47.82	15.0	15.0	0.8
75.0	246.0	8.860	47.88	15.0	15.0	0.8
77.0	252.6	8.890	47.95	20.0	20.0	1.1
79.0	259.1	8.930	48.00	15.0	15.0	0.8
81.0	265.7	8.960	48.07	20.0	20.0	1.1
83.0	272.2	8.990	48.13	15.0	15.0	0.8
85.0	278.8	9.010	48.18	15.0	15.0	0.8
87.0	285.4	9.050	48.22	10.0	10.0	0.5
89.0	291.9	9.080	48.29	20.0	20.0	1.1
91.0	298.5	9.100	48.34	15.0	15.0	0.8
93.0	305.0	9.130	48.38	10.0	10.0	0.5
95.0	311.6	9.160	48.40	5.0	5.0	0.3
97.0	318.2	9.190	48.42	5.0	5.0	0.3
99.0	324.7	9.220	48.45	10.0	10.0	0.5
101.0	331.3	9.250	48.49	10.0	10.0	0.5
103.0	337.8	9.280	48.56	20.0	20.0	1.1
105.0	344.4	9.310	48.69	25.0	25.0	1.4
107.0	351.0	9.340	48.78	25.0	25.0	1.4
109.0	357.5	9.370	48.87	20.0	20.0	1.1
111.0	364.1	9.410	48.94	20.0	20.0	1.1
113.0	370.6	9.450	49.01	25.0	25.0	1.4
115.0	377.2	9.480	49.10	25.0	25.0	1.4
117.0	383.8	9.500	49.19	20.0	20.0	1.1
119.0	390.3	9.530	49.26	20.0	20.0	1.1
121.0	396.9	9.560	49.35	25.0	25.0	1.4
123.0	403.4	9.590	49.44	25.0	25.0	1.4
125.0	410.0	9.730	49.51	20.0	20.0	1.1

LOCATION: BEND AVE, OREGON

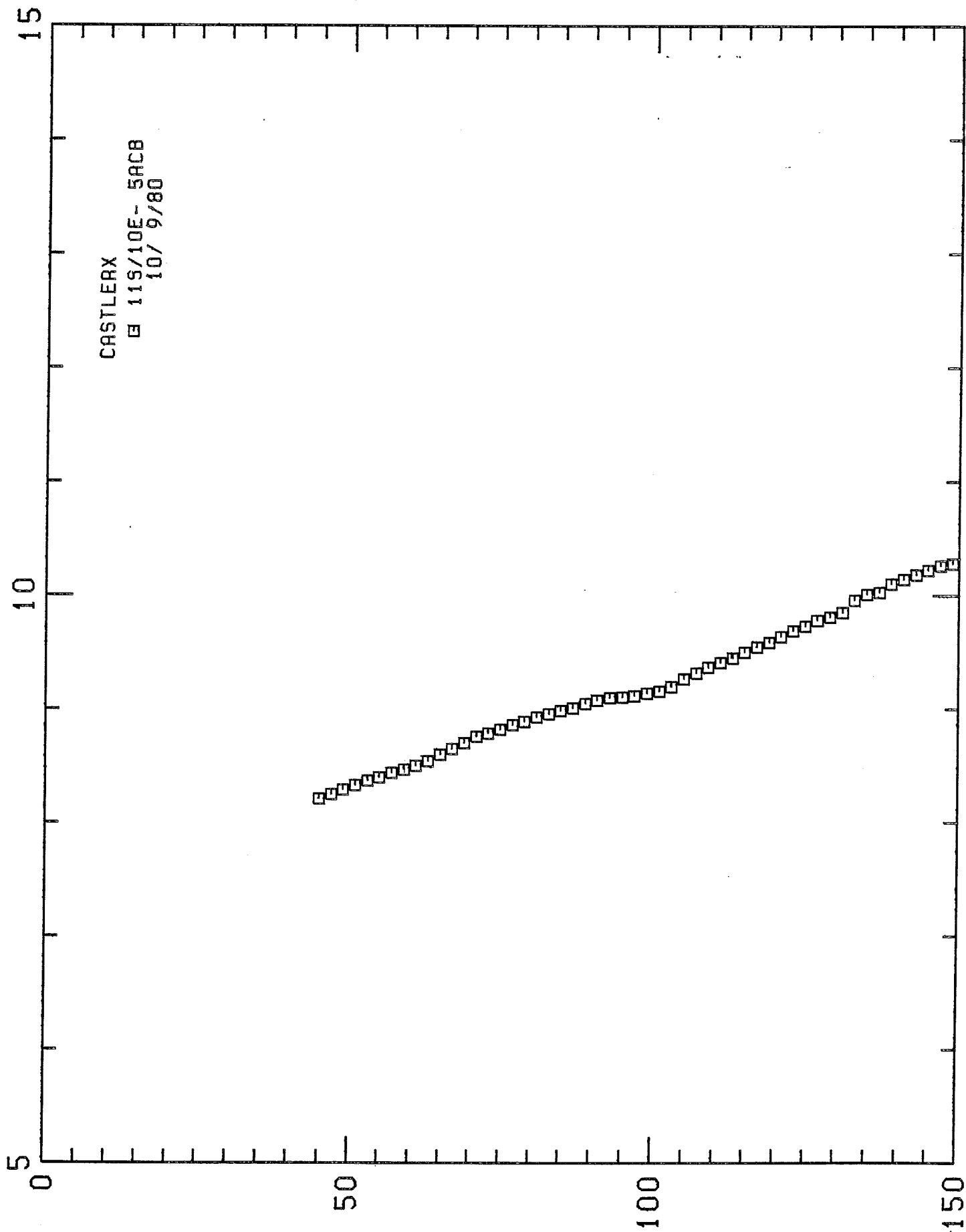
115/10E-5ACB

HOLE NAME: CASTLERX

DATE MEASURED: 10/9/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
127.0	416.6	9.780	49.60	25.0	1.4
129.0	423.1	9.810	49.66	15.0	0.8
131.0	429.7	9.850	49.73	20.0	1.1
133.0	436.2	9.950	49.93	55.0	3.0
135.0	442.8	10.010	50.02	25.0	1.4
137.0	449.4	10.030	50.05	10.0	0.5
139.0	455.9	10.100	50.18	35.0	1.9
141.0	462.5	10.140	50.25	20.0	1.1
143.0	469.0	10.180	50.32	20.0	1.1
145.0	475.6	10.220	50.40	20.0	1.1
147.0	482.2	10.260	50.47	20.0	1.1
149.0	488.7	10.280	50.50	10.0	0.5
151.0	495.3	10.310	50.55	15.0	0.8
153.0	501.8	10.360	50.65	25.0	1.4

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
12S/ 7E- 9DA

HOLE NAME: EWEB-TM

DATE MEASURED: 5/29/80

TEMPERATURE
DEG C DEG F

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

20.0	65.6	4.190	39.54	0.0	0.0
25.0	82.0	4.150	39.47	-8.0	-0.4
30.0	98.4	4.080	39.34	-14.0	-0.8
35.0	114.8	4.030	39.25	-10.0	-0.5
40.0	131.2	3.930	39.07	-20.0	-1.1
45.0	147.6	3.840	38.91	-18.0	-1.0
50.0	164.0	3.710	38.68	-26.0	-1.4
55.0	180.4	3.660	38.59	-10.0	-0.5
60.0	196.8	3.640	38.55	-4.0	-0.2
65.0	213.2	3.600	38.48	-8.0	-0.4
70.0	229.6	3.590	38.46	-2.0	-0.1
75.0	246.0	3.580	38.44	-2.0	-0.1
80.0	262.4	3.570	38.43	-2.0	-0.1
85.0	278.8	3.560	38.41	0.0	0.0
90.0	295.2	3.560	38.41	0.0	0.0
95.0	311.6	3.570	38.43	2.0	0.1
100.0	328.0	3.570	38.43	2.0	0.1
105.0	344.4	3.580	38.44	2.0	0.1
110.0	360.8	3.590	38.46	2.0	0.1
115.0	377.2	3.610	38.50	4.0	0.2
120.0	393.6	3.620	38.52	2.0	0.1
125.0	410.0	3.630	38.53	2.0	0.1
130.0	426.4	3.640	38.55	2.0	0.1
135.0	442.8	3.660	38.59	4.0	0.2
140.0	459.2	3.700	38.66	8.0	0.4
145.0	475.6	3.740	38.73	8.0	0.4
150.0	492.0	3.780	38.80	12.0	0.7
155.0	508.4	3.840	38.91	14.0	0.8
160.0	524.8	3.910	39.04	16.0	0.9
165.0	541.2	3.990	39.18	12.0	0.7
170.0	557.6	4.050	39.29	24.0	1.3
175.0	574.0	4.170	39.51	20.0	1.1
180.0	590.4	4.270	39.69	16.0	0.9
185.0	606.8	4.350	39.83	8.0	0.4
190.0	623.2	4.390	39.90	28.0	1.5
195.0	639.6	4.530	40.15	16.0	0.9
200.0	656.0	4.610	40.30	8.0	0.4
205.0	672.4	4.650	40.37	24.0	1.3
210.0	688.8	4.770	40.59	20.0	1.1
215.0	705.2	4.870	40.77	20.0	1.1
220.0	721.6				

LOCATION: BEND AMS, OREGON

PAGE 2

HOLE NAME: ENEB-TM

DATE MEASURED: 5/29/80

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH
FEET TEMPERATURE
DEG C DEG F

DEPTH
METERS

225.0	738.0	4.980	40.96	22.0	1.2
230.0	754.4	5.380	41.68	80.0	4.4
235.0	770.8	5.480	41.86	20.0	1.1
240.0	787.2	5.890	42.60	82.0	4.5
245.0	803.6	6.160	43.09	54.0	3.0
250.0	820.0	6.290	43.32	26.0	1.4
255.0	836.4	6.540	43.77	50.0	1.7
260.0	852.8	7.020	44.64	96.0	5.3
265.0	869.2	7.140	44.85	24.0	1.3
270.0	885.6	7.550	45.59	82.0	4.4
275.0	902.0	7.950	46.31	80.0	4.4
280.0	918.4	8.370	47.07	84.0	4.6
285.0	934.8	8.710	47.68	68.0	3.7
290.0	951.2	9.110	48.40	88.0	4.4
295.0	967.6	9.360	48.85	50.0	2.4
300.0	984.0	9.760	49.57	80.0	4.4
305.0	1000.4	10.240	50.43	96.0	5.3
310.0	1016.8	10.580	51.04	68.0	3.7
315.0	1033.2	11.010	51.82	86.0	4.7
320.0	1049.6	11.380	52.48	74.0	4.1
325.0	1066.0	11.730	53.11	70.0	3.8
330.0	1082.4	12.040	53.67	62.0	3.3
335.0	1098.8	12.360	54.25	64.0	3.4
340.0	1115.2	12.670	54.81	62.0	3.3
345.0	1131.6	12.840	55.11	34.0	1.9
350.0	1148.0	13.140	55.65	60.0	3.3
355.0	1164.4	13.430	56.17	58.0	3.2
360.0	1180.8	13.730	56.71	60.0	3.3
365.0	1197.2	14.120	57.42	78.0	4.4
370.0	1213.6	14.510	58.12	78.0	4.4
375.0	1230.0	15.000	59.00	98.0	5.4
380.0	1246.4	15.390	59.70	78.0	4.3
385.0	1262.8	15.820	60.48	86.0	4.7
390.0	1279.2	16.250	61.25	86.0	4.7
395.0	1295.6	16.810	62.26	112.0	6.1
400.0	1312.0	17.080	62.74	54.0	3.0
405.0	1328.4	17.700	63.86	124.0	5.8
410.0	1344.8	17.950	64.31	50.0	2.7
415.0	1361.2	18.310	64.96	72.0	4.0
420.0	1377.6	18.740	65.73	86.0	4.7
425.0	1394.0	19.160	66.49	84.0	4.6

LOCATION: BEND AMS, OREGON
12S/ 7E- 9DA

HOLE NAME: EWEB-TM

DATE MEASURED: 5/29/80

TEMPERATURE DEG F

DEPTH FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH METERS

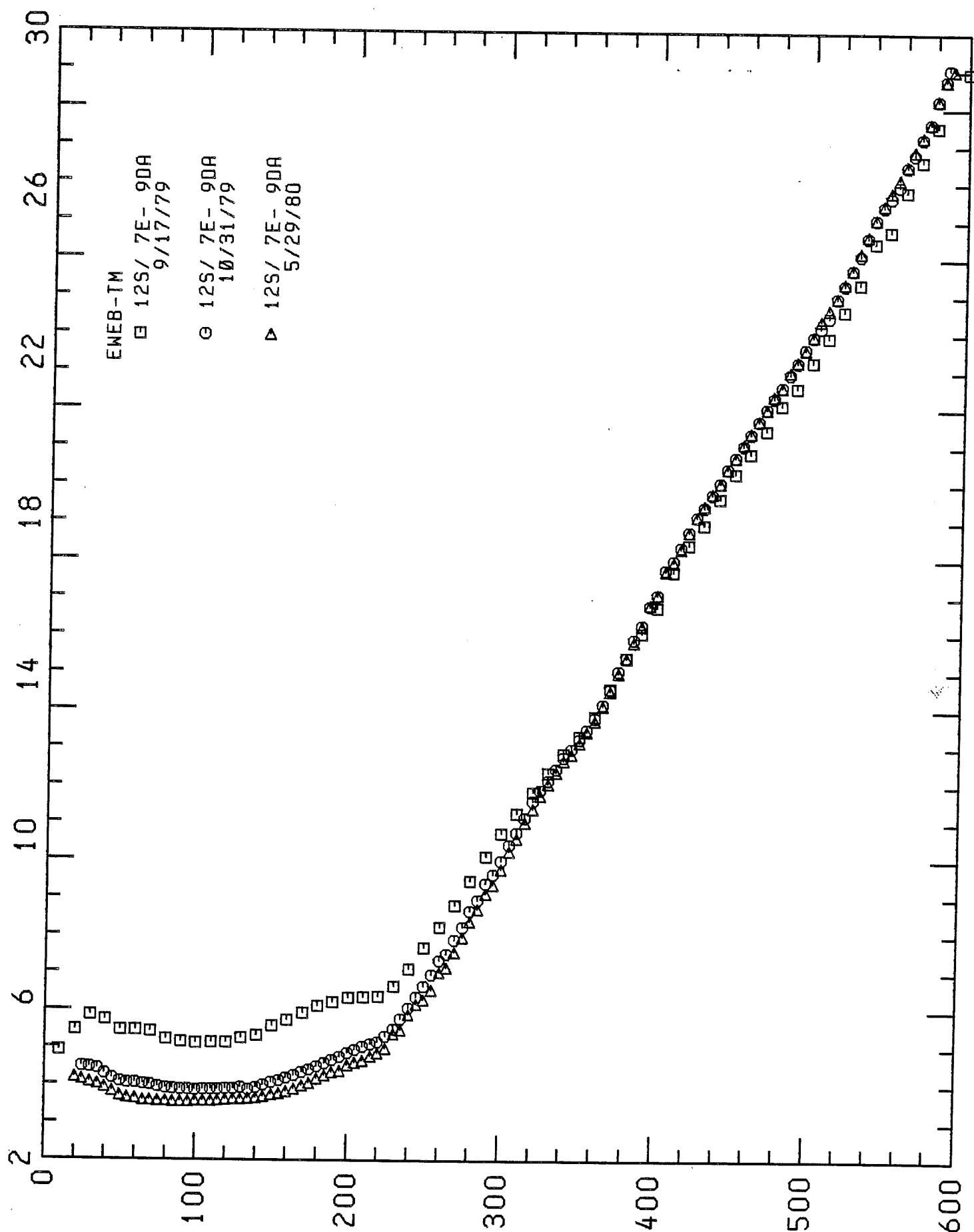
58.0
64.0
56.0
74.0
62.0
72.0
58.0
68.0
60.0
68.0
48.0
84.0
54.0
62.0
72.0
82.0
58.0
66.0
76.0
76.0
86.0
90.0
90.0
74.0
70.0
68.0
74.0
76.0
76.0
122.0
104.0
54.0

19.450
19.770
20.050
20.420
20.730
21.090
21.380
21.720
22.020
22.360
22.600
23.020
23.290
23.600
23.960
24.370
24.660
24.990
25.370
25.750
26.180
26.630
27.080
27.450
27.800
28.140
28.510
28.890
29.270
29.640
30.250
30.770
31.040

1410.4
1426.8
1443.2
1459.6
1476.0
1492.4
1508.8
1525.2
1541.6
1558.0
1574.4
1590.8
1607.2
1623.6
1640.0
1656.4
1672.8
1689.2
1705.6
1722.0
1738.4
1754.8
1771.2
1787.6
1804.0
1820.4
1836.8
1853.2
1869.6
1886.0
1902.4
1918.8
1935.2

3.25
3.31
3.41
3.44
3.40
3.22
3.33
3.37
3.26
3.40
3.34
4.05
3.36
4.22
4.47
4.49
4.41
3.87
3.37
4.12
4.22
4.41
4.17
5.77
5.30

TEMPERATURE, DEG C



EWB-TM

□ 12S/ 7E- 9DA
9/17/79

○ 12S/ 7E- 9DA
10/31/79

▴ 12S/ 7E- 9DA
5/29/80

DEPTH, METERS

LOCATION: BEND AMS, OREGON
125/ 9E-1BCD

HOLE NAME: GREENRDS

DATE MEASURED: 10/ 9/80

TEMPERATURE

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

12.0	39.4	9.720	49.50	0.0	0.0
14.0	45.5	9.720	49.50	0.0	0.0
16.0	52.5	9.740	49.53	10.0	0.5
18.0	59.0	9.790	49.62	25.0	1.4
20.0	65.6	9.870	49.77	40.0	2.2
22.0	72.2	9.960	49.93	45.0	2.5
24.0	78.3	10.070	50.13	55.0	3.0
26.0	85.3	10.200	50.36	55.0	3.0
28.0	91.8	10.340	50.61	70.0	3.0
30.0	98.4	10.470	50.85	65.0	3.0
32.0	105.0	10.600	51.08	65.0	3.0
34.0	111.5	10.720	51.30	70.0	3.0
36.0	118.1	10.860	51.55	70.0	3.0
38.0	124.6	11.000	51.80	70.0	3.0
40.0	131.2	11.140	52.05	85.0	4.4
42.0	137.9	11.310	52.35	80.0	4.4
44.0	144.3	11.470	52.62	75.0	4.1
46.0	150.4	11.620	52.93	60.0	3.0
48.0	157.4	11.740	53.13	60.0	3.0
50.0	164.0	11.860	53.35	70.0	4.4
52.0	170.6	12.000	53.60	75.0	4.6
54.0	177.1	12.150	53.87	65.0	3.0
56.0	183.7	12.280	54.10	70.0	4.4
58.0	190.2	12.420	54.36	85.0	4.4
60.0	196.8	12.590	54.65	80.0	4.4
62.0	203.4	12.750	54.95	80.0	4.4
64.0	209.9	12.940	55.29	105.0	5.5
66.0	216.5	13.150	55.67	100.0	5.5
68.0	223.0	13.350	56.03	100.0	5.5
70.0	229.6	13.550	56.39	80.0	4.4
72.0	236.2	13.710	56.69	80.0	4.4
74.0	242.7	13.870	56.97	95.0	5.4
76.0	249.3	14.060	57.31	90.0	5.4
78.0	255.8	14.240	57.63	90.0	5.4
80.0	262.3	14.420	57.96	85.0	4.4
82.0	268.5	14.590	58.25	80.0	4.4
84.0	275.5	14.750	58.55	80.0	4.4
86.0	282.1	14.930	58.87	85.0	4.9
88.0	288.6	15.100	59.18	85.0	4.7
90.0	295.2	15.270	59.49	70.0	3.0
92.0	301.8	15.410	59.74		

LOCATION: BEND AMS, OREGON

12S/ 9E- 1BCD

HOLE NAME: GREENRDS

DATE MEASURED: 10/ 9/80

DEPTH TEMPERATURE

DEG C DEG F

DEPTH
METERS

94.0
96.0
98.0
100.0
102.0
104.0

308.3
314.9
321.4
328.0
334.6
341.1

15.580
15.690
15.850
16.100
16.240
16.420

60.04
60.24
60.53
60.98
61.23
61.56

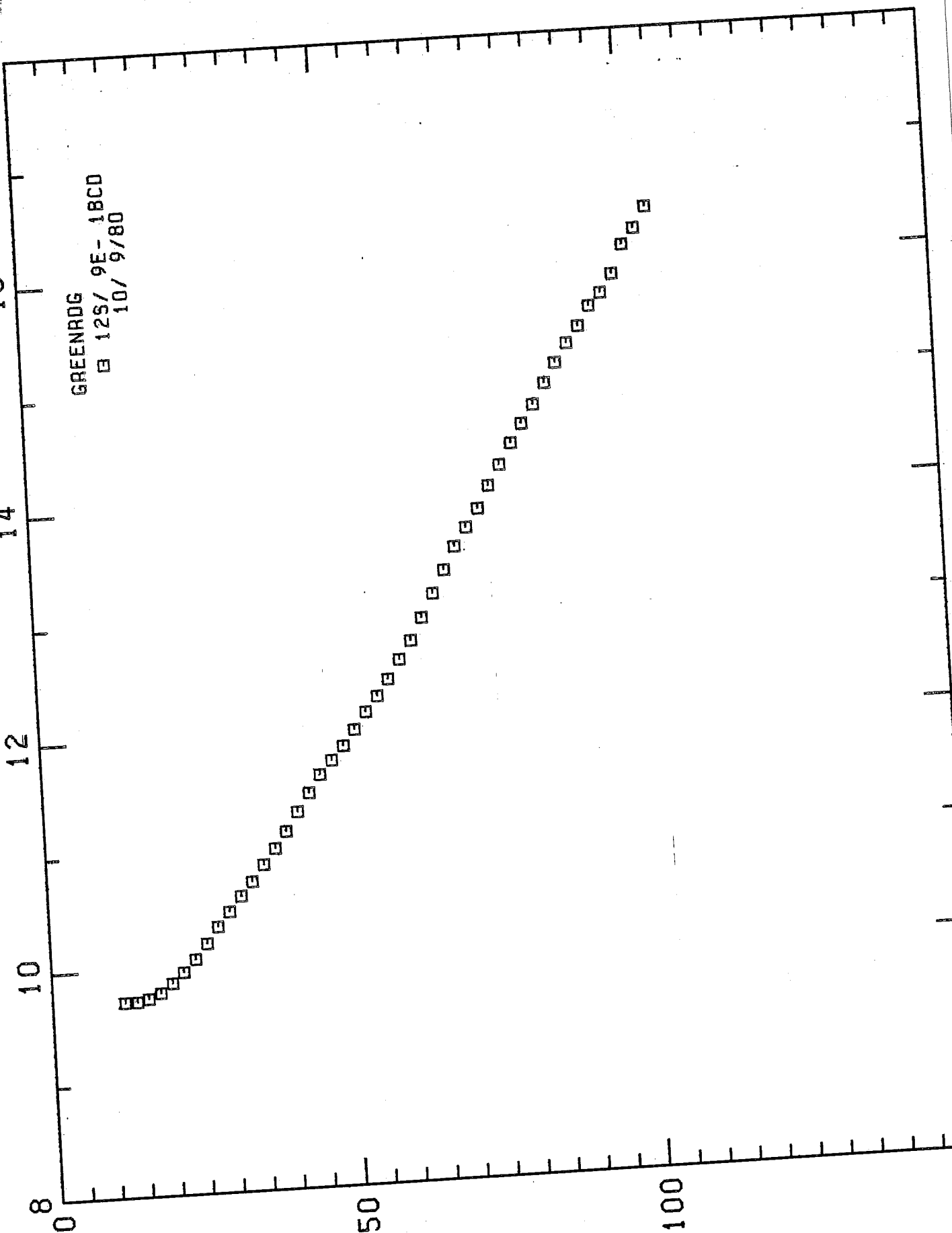
GEO THERMAL GRADIENT
DEG C/KM DEG F/100 FT

85.0
55.0
80.0
125.0
70.0
90.0

4.7
3.0
4.4
6.9
3.8
4.9

TEMPERATURE, DEG C

GREENRDLG
12S/ 9E-18CD
10/ 9/80

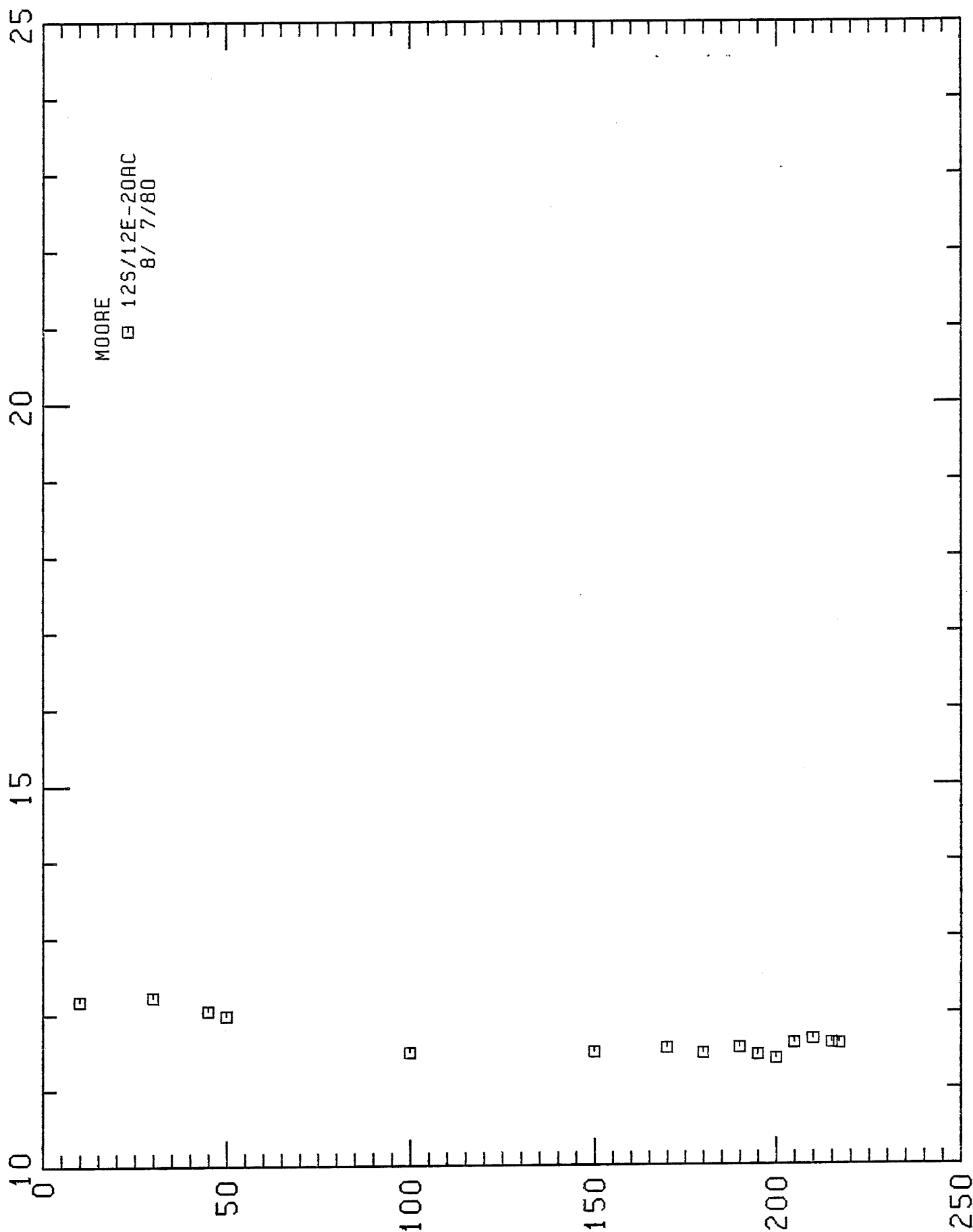


LOCATION: BEND AMS, OREGON
12S/12E-20AC

HOLE NAME: MOORE
DATE MEASURED: 8/ 7/80

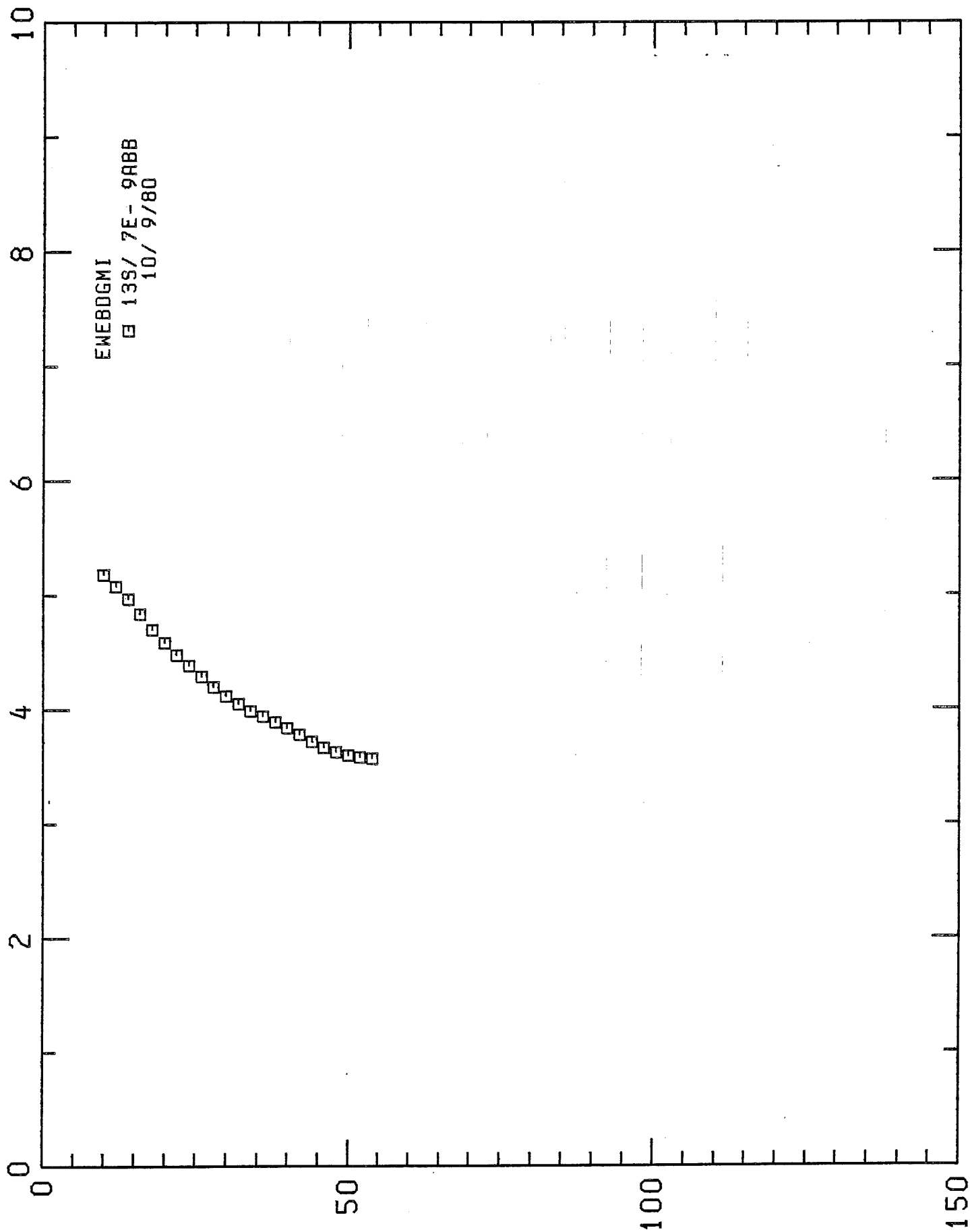
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.180	53.92	0.0	0.0
30.0	98.4	12.230	54.01	0.1	0.1
45.0	117.6	12.050	53.69	-0.7	-0.7
50.0	164.0	11.980	53.56	-0.8	-0.8
100.0	328.0	11.490	52.68	-9.8	-0.5
150.0	492.0	11.490	52.68	0.0	0.0
170.0	557.6	11.540	52.77	2.5	0.1
180.0	590.4	11.470	52.65	-7.0	-0.4
190.0	623.2	11.540	52.77	7.0	0.4
195.0	639.6	11.450	52.61	-18.0	-1.0
200.0	656.0	11.400	52.52	-10.0	-0.5
205.0	672.4	11.600	52.88	40.0	2.2
210.0	688.8	11.650	52.97	10.0	0.5
215.0	705.2	11.600	52.88	-10.0	-0.5
217.0	711.8	11.590	52.86	-5.0	-0.3

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON 13S/ 7E- 9ABB					
HOLE NAME: EWEEDGM1					
DATE MEASURED: 10/ 9/80					
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	5.180	41.32	0.0	0.0
12.0	39.4	5.080	41.14	-50.0	-2.7
14.0	45.9	4.970	40.95	-55.0	-3.0
16.0	52.5	4.840	40.71	-65.0	-3.6
18.0	59.0	4.700	40.46	-70.0	-3.8
20.0	65.6	4.590	40.26	-55.0	-3.0
22.0	72.2	4.480	40.06	-55.0	-3.0
24.0	78.7	4.390	39.90	-45.0	-2.5
26.0	85.3	4.290	39.72	-50.0	-2.7
28.0	91.8	4.200	39.56	-45.0	-2.5
30.0	98.4	4.120	39.42	-40.0	-2.2
32.0	105.0	4.050	39.29	-35.0	-1.9
34.0	111.5	3.990	39.18	-30.0	-1.6
36.0	118.1	3.940	39.09	-25.0	-1.4
38.0	124.6	3.890	39.00	-25.0	-1.4
40.0	131.2	3.840	38.91	-25.0	-1.4
42.0	137.8	3.780	38.80	-30.0	-1.6
44.0	144.3	3.720	38.70	-30.0	-1.6
46.0	150.9	3.670	38.61	-25.0	-1.4
48.0	157.4	3.630	38.53	-20.0	-1.1
50.0	164.0	3.600	38.48	-15.0	-0.8
52.0	170.6	3.580	38.44	-10.0	-0.5
54.0	177.1	3.570	38.43	-5.0	-0.3

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

135/ 7E- 9ABB

HOLE NAME: DETRD FM

DATE MEASURED: 7/23/80

DEPTH TEMPERATURE

FEET DEG C DEG F

DEPTH
METERS

5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0

16.4
32.8
49.2
65.6
82.0
98.4
114.8
131.2
147.6
164.0
180.4

12.410
8.680
6.700
5.860
5.570
5.280
4.870
4.660
4.530
4.060
3.710

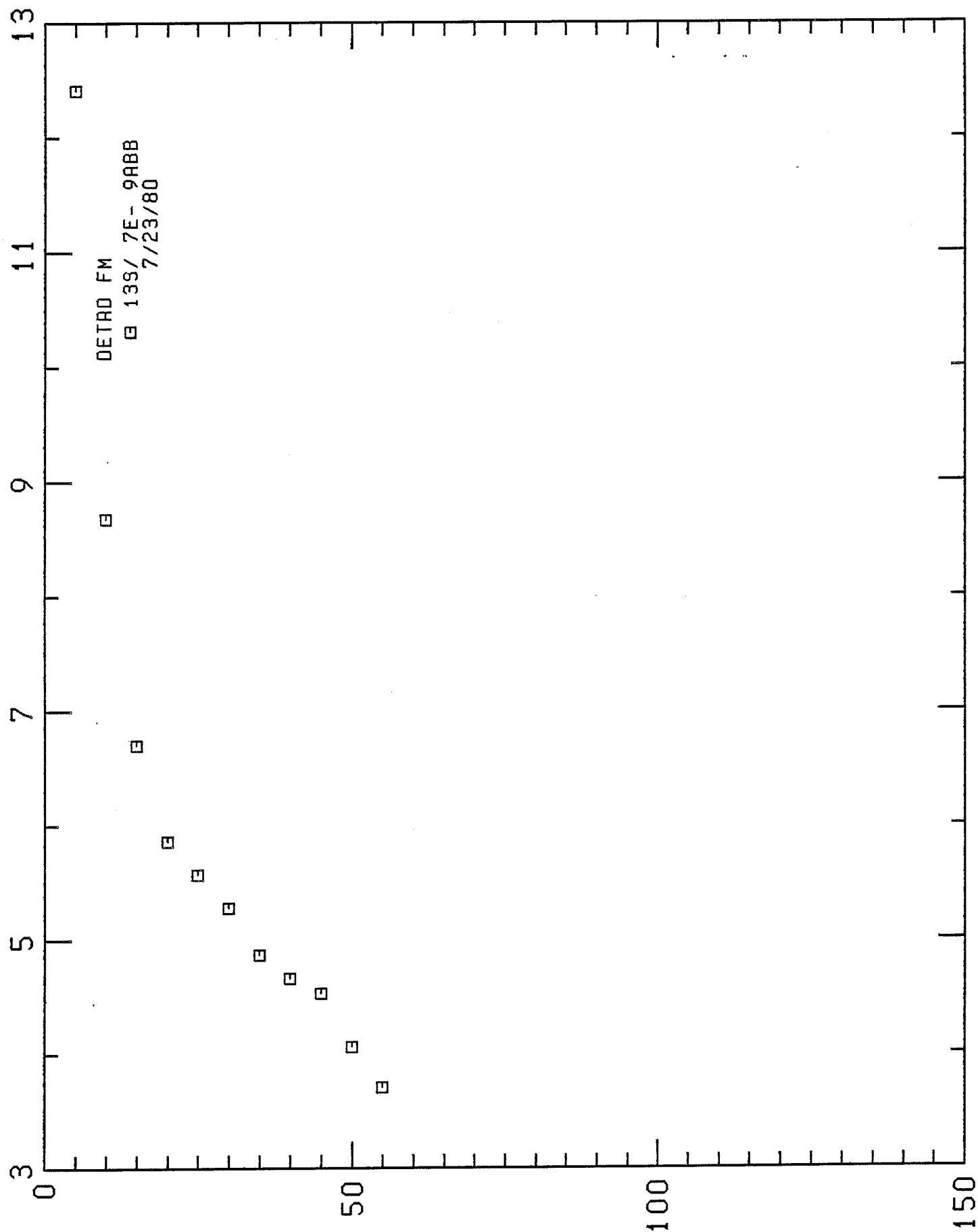
54.34
47.62
44.06
42.55
42.03
41.50
40.77
40.39
40.15
39.31
38.68

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0
-746.0
-396.0
-168.0
-58.0
-58.0
-82.0
-42.0
-26.0
-94.0
-70.0

0.0
-40.9
-21.7
-9.2
-3.2
-3.2
-4.5
-2.3
-1.4
-5.2
-3.8

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON 135/ 7E-32DC			HOLE NAME: BWEB-CL DATE MEASURED: 4/24/80		GEOTHERMAL GRADIENT	
DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	DEG C/KM	DEG F/100 FT	
35.0	114.8	6.340	43.41	0.0	0.0	
40.0	131.2	6.450	43.61	22.0	1.2	
45.0	147.6	6.580	43.84	26.0	1.4	
50.0	164.0	6.880	44.38	60.0	3.3	
55.0	180.4	7.530	45.55	130.0	7.1	
60.0	196.8	8.040	46.47	102.0	5.5	
65.0	213.2	8.810	47.86	154.0	8.5	
70.0	229.6	9.290	48.72	96.0	5.3	
75.0	246.0	9.880	49.78	118.0	6.5	
80.0	262.4	10.610	51.10	146.0	8.1	
85.0	278.8	11.130	52.03	104.0	5.7	
90.0	295.2	11.770	53.19	128.0	7.0	
95.0	311.6	12.430	54.37	132.0	7.2	
100.0	328.0	13.110	55.60	136.0	7.5	
105.0	344.4	13.790	56.82	136.0	7.5	
110.0	360.8	14.480	58.06	138.0	7.6	
115.0	377.2	15.120	59.22	128.0	7.0	
120.0	393.6	15.700	60.26	116.0	6.4	
125.0	410.0	16.210	61.18	102.0	5.1	
130.0	426.4	16.770	62.19	112.0	6.1	
135.0	442.8	17.320	63.18	110.0	5.9	
140.0	459.2	17.870	64.17	92.0	4.9	
145.0	475.6	18.330	64.99	96.0	5.3	
150.0	492.0	18.810	65.86	110.0	6.0	
155.0	508.4	19.360	66.85	116.0	6.4	
160.0	524.8	19.940	67.89	106.0	5.8	
165.0	541.2	20.470	68.85	126.0	6.9	
170.0	557.6	21.100	69.98	120.0	6.3	
175.0	574.0	21.700	71.06	78.0	4.3	
180.0	590.4	22.090	71.76	120.0	6.3	
185.0	606.8	22.690	72.84	100.0	5.5	
190.0	623.2	23.190	73.74	126.0	6.9	
195.0	639.6	23.820	74.88	104.0	5.7	
200.0	656.0	24.340	75.81	84.0	4.7	
205.0	672.4	24.760	76.57	40.0	2.2	
210.0	688.8	24.960	76.93	20.0	1.1	
215.0	705.2	25.060	77.11	10.0	0.5	
220.0	721.6	25.110	77.20	4.0	0.2	
225.0	738.0	25.130	77.23	4.0	0.2	
230.0	754.4	25.150	77.27	4.0	0.2	
235.0	770.8	25.140	77.25	-2.0	-0.1	

LOCATION: BEND AMS, OREGON

PAGE 2

HOLE NAME: EWEB-CL

DATE MEASURED: 4/24/80

DEPTH METERS

DEPTH FEET

TEMPERATURE DEG C

TEMPERATURE DEG F

GEO THERMAL GRADIENT DEG C/KM

DEG F/100 FT

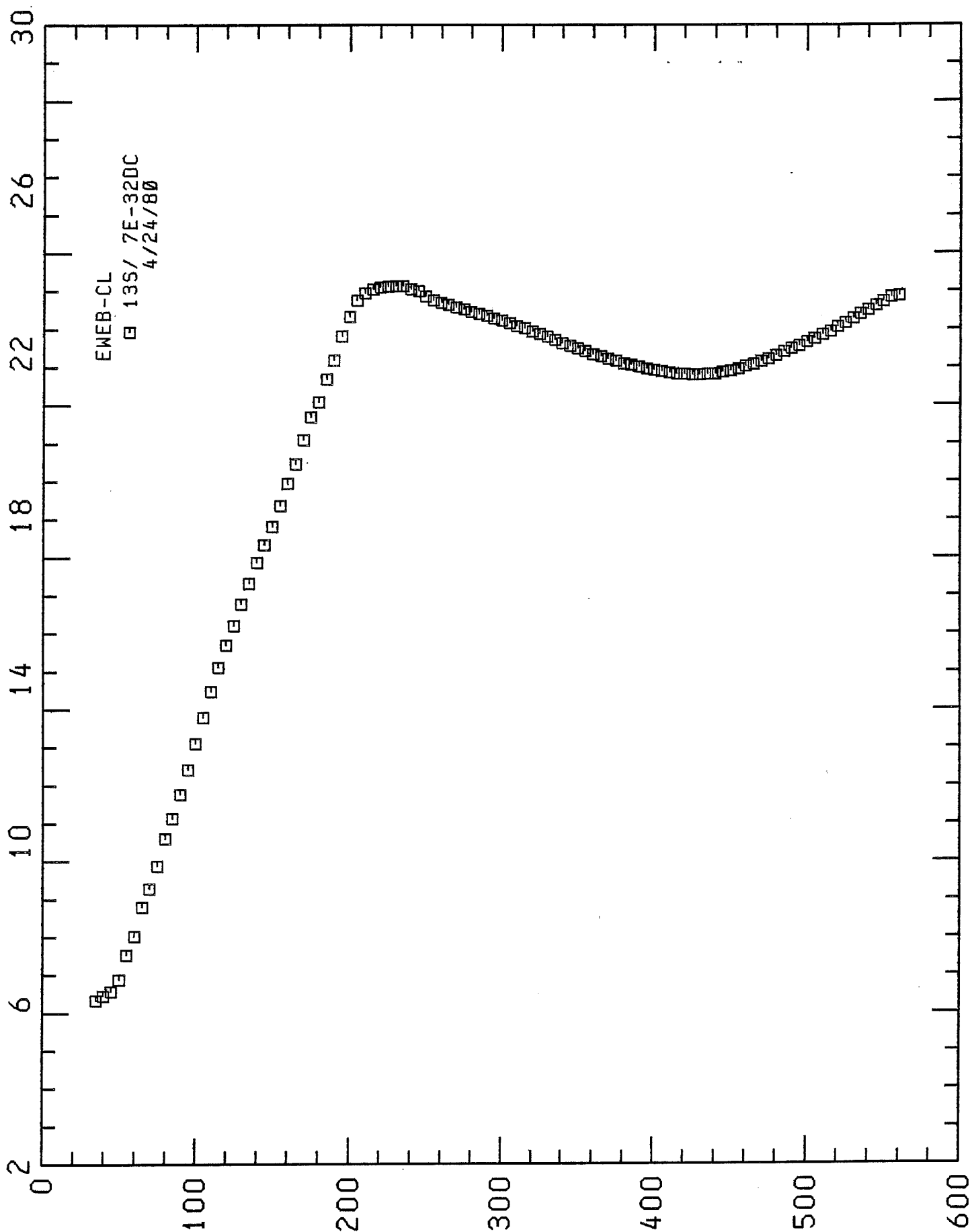
240.0	787.2	25.050	77.09	-18.0	-1.0
245.0	803.6	25.000	77.00	-10.0	-0.5
250.0	820.0	24.860	76.75	-28.0	-1.0
255.0	836.4	24.760	76.57	-20.0	-1.1
260.0	852.8	24.690	76.44	-14.0	-0.8
265.0	869.2	24.640	76.35	-10.0	-0.5
270.0	885.6	24.580	76.24	-12.0	-0.7
275.0	902.0	24.520	76.14	-12.0	-0.7
280.0	918.4	24.460	76.03	-10.0	-0.5
285.0	934.8	24.410	75.94	-12.0	-0.7
290.0	951.2	24.350	75.83	-12.0	-0.7
295.0	967.6	24.290	75.72	-12.0	-0.7
300.0	984.0	24.230	75.61	-14.0	-0.8
305.0	1000.4	24.160	75.49	-16.0	-0.9
310.0	1016.8	24.080	75.34	-12.0	-0.7
315.0	1033.2	24.020	75.24	-16.0	-0.9
320.0	1049.6	23.940	75.09	-14.0	-0.8
325.0	1066.0	23.870	74.97	-14.0	-0.8
330.0	1082.4	23.800	74.84	-16.0	-0.9
335.0	1098.8	23.720	74.70	-16.0	-0.9
340.0	1115.2	23.640	74.55	-14.0	-0.8
345.0	1131.6	23.570	74.43	-16.0	-0.9
350.0	1148.0	23.490	74.28	-14.0	-0.8
355.0	1164.4	23.420	74.16	-12.0	-0.7
360.0	1180.8	23.350	74.03	-14.0	-0.8
365.0	1197.2	23.290	73.92	-10.0	-0.5
370.0	1213.6	23.220	73.80	-10.0	-0.5
375.0	1230.0	23.170	73.71	-12.0	-0.7
380.0	1246.4	23.110	73.60	-10.0	-0.5
385.0	1262.8	23.060	73.51	-10.0	-0.5
390.0	1279.2	23.010	73.42	-8.0	-0.4
395.0	1295.6	22.970	73.35	-8.0	-0.4
400.0	1312.0	22.930	73.27	-6.0	-0.3
405.0	1328.4	22.900	73.22	-6.0	-0.3
410.0	1344.8	22.860	73.15	-6.0	-0.3
415.0	1361.2	22.830	73.08	-2.0	-0.1
420.0	1377.6	22.810	73.06	-2.0	-0.1
425.0	1394.0	22.810	73.06	2.0	0.1
430.0	1410.4	22.820	73.08	2.0	0.1
435.0	1426.8	22.830	73.09	2.0	0.1
440.0	1443.2	22.830	73.09	2.0	0.1

LOCATION: BEND AMS, OREGON
135/ 7E-32DC

HOLE NAME: ENEB-CL
DATE MEASURED: 4/24/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
445.0	1459.6	22.880	73.18	10.0	0.5
450.0	1476.0	22.920	73.26	8.0	0.4
455.0	1492.4	22.970	73.35	10.0	0.5
460.0	1508.8	23.030	73.45	12.0	0.7
465.0	1525.2	23.080	73.54	10.0	0.5
470.0	1541.6	23.150	73.67	14.0	0.8
475.0	1558.0	23.230	73.81	16.0	0.9
480.0	1574.4	23.310	73.96	20.0	0.9
485.0	1590.8	23.410	74.14	16.0	1.1
490.0	1607.2	23.490	74.28	16.0	0.9
495.0	1623.6	23.570	74.43	16.0	0.9
500.0	1640.0	23.660	74.59	18.0	1.0
505.0	1656.4	23.750	74.75	18.0	1.1
510.0	1672.8	23.850	74.93	20.0	1.1
515.0	1689.2	23.950	75.11	20.0	1.2
520.0	1705.6	24.060	75.31	22.0	1.2
525.0	1722.0	24.170	75.51	22.0	1.2
530.0	1738.4	24.280	75.70	22.0	1.3
535.0	1754.8	24.400	75.92	22.0	1.3
540.0	1771.2	24.510	76.12	22.0	1.2
545.0	1787.6	24.620	76.32	22.0	1.2
550.0	1804.0	24.730	76.51	22.0	1.3
555.0	1820.4	24.850	76.73	24.0	1.3
560.0	1836.8	24.880	76.78	6.0	0.3

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

135/10E-5AB

HOLE NAME: FLY CRK

DATE MEASURED: 9/25/80

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

20.0	65.6	8.290	46.92	0.0	0.0
22.0	72.2	8.080	46.54	-105.0	-5.8
24.0	78.7	7.960	46.33	-60.0	-3.3
26.0	85.3	7.930	46.27	-15.0	-0.8
28.0	91.8	7.810	46.06	-60.0	-3.3
30.0	98.4	7.740	45.93	-35.0	-1.5
32.0	105.0	7.700	45.86	-20.0	-1.1
34.0	111.5	7.650	45.77	-25.0	-1.4
36.0	118.1	7.600	45.68	-30.0	-1.4
38.0	124.6	7.540	45.57	-30.0	-1.6
40.0	131.2	7.480	45.46	-30.0	-1.6
42.0	137.8	7.440	45.39	-30.0	-1.1
44.0	144.3	7.380	45.28	-30.0	-1.6
46.0	150.9	7.340	45.21	-30.0	-1.1
48.0	157.4	7.290	45.12	-25.0	-1.4
50.0	164.0	7.260	45.07	-15.0	-0.8
52.0	170.6	7.230	45.01	-15.0	-0.8
54.0	177.1	7.190	44.94	-20.0	-1.1
56.0	183.7	7.170	44.91	-10.0	-0.5
58.0	190.2	7.150	44.87	-10.0	-0.5
60.0	196.8	7.120	44.82	-15.0	-0.5
62.0	203.4	7.100	44.78	-10.0	-0.5
64.0	209.9	7.080	44.74	-10.0	-0.5
66.0	216.5	7.070	44.73	-5.0	-0.3
68.0	223.0	7.070	44.73	0.0	0.0
70.0	229.6	7.070	44.73	0.0	0.0
72.0	236.2	7.070	44.73	0.0	0.0
74.0	242.7	7.060	44.71	0.0	0.0
76.0	249.3	7.050	44.69	0.0	0.0
78.0	255.8	7.050	44.69	0.0	0.0
80.0	262.4	7.040	44.67	0.0	0.0
82.0	269.0	7.040	44.67	0.0	0.0
84.0	275.5	7.040	44.67	0.0	0.0
86.0	282.1	7.030	44.65	0.0	0.0
88.0	288.6	7.030	44.67	0.0	0.0
90.0	295.2	7.030	44.65	0.0	0.0
92.0	301.8	7.030	44.65	0.0	0.0
94.0	308.3	7.030	44.65	0.0	0.0
96.0	314.9	7.040	44.67	0.0	0.0
98.0	321.4	7.040	44.67	0.0	0.0
100.0	328.0	7.040	44.67	0.0	0.0

LOCATION: BEND AMS, OREGON

PAGE 2

HOLE NAME: 13S/10E-5AB

DATE MEASURED: 9/25/80

DEPTH METERS

DEPTH FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

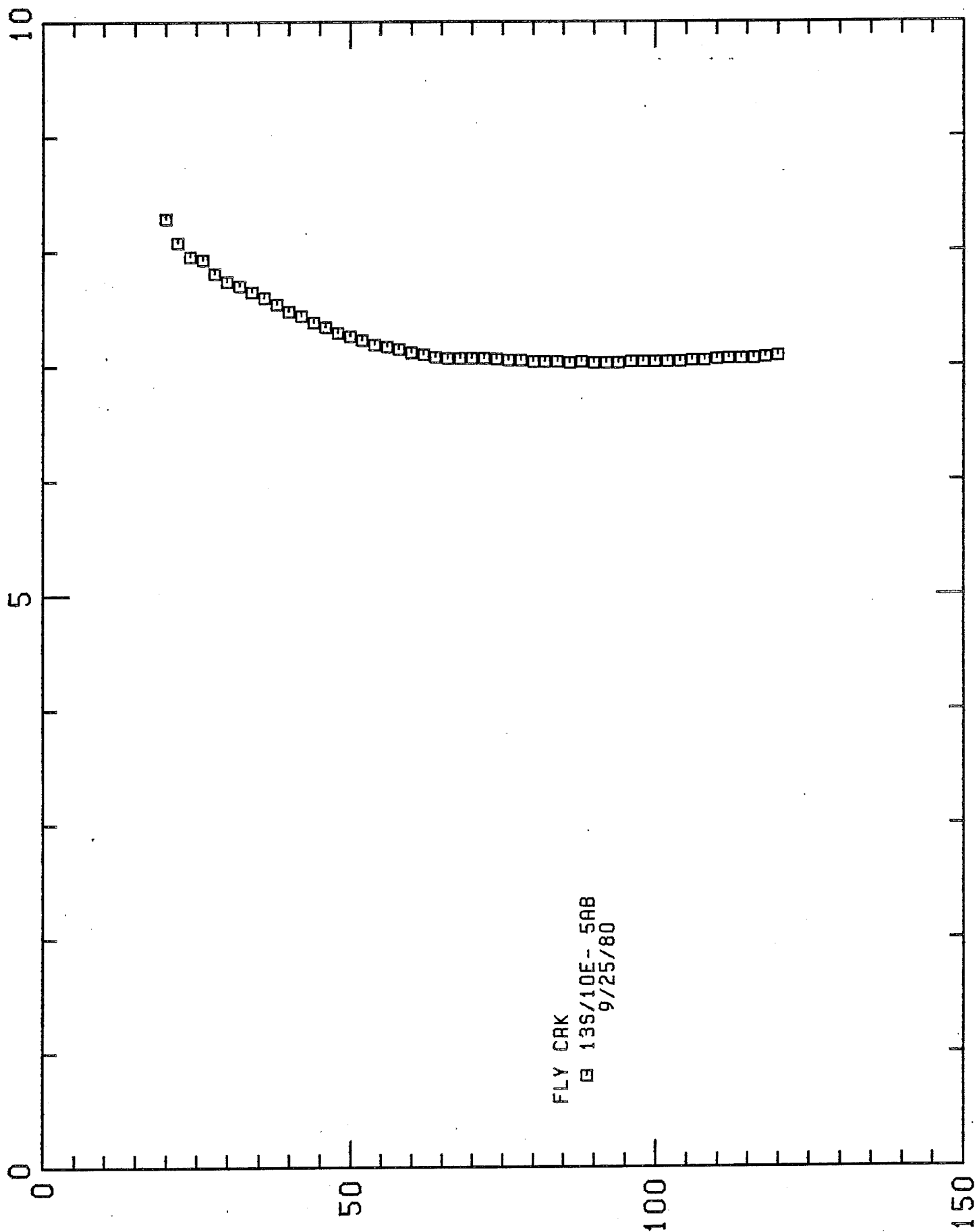
102.0
104.0
106.0
108.0
110.0
112.0
114.0
116.0
118.0
120.0

334.6
341.1
347.7
354.2
360.8
367.4
373.9
380.5
387.0
393.6

TEMPERATURE
DEG C DEG F
7.040 44.57
7.040 44.57
7.050 44.69
7.050 44.69
7.060 44.71
7.070 44.73
7.070 44.73
7.070 44.73
7.080 44.74
7.090 44.76

0.0 0.0
0.0 0.0
5.0 0.3
0.0 0.3
5.0 0.3
5.0 0.3
0.0 0.0
0.0 0.0
5.0 0.3
5.0 0.3

TEMPERATURE, DEG C



FLY CRK
B 13S/10E- 5AB
9/25/80

LOCATION: SALEM AMS, OREGON

145/ 6E-32DC

HOLE NAME: WOLF MDW

DATE MEASURED: 9/25/80

TEMPERATURE

DEG C

DEPT

FEET

DEPTH

METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	6.720	44.10	0.0
12.0	39.4	6.740	44.13	10.0
14.0	45.9	6.740	44.13	0.0
16.0	52.5	6.740	44.13	0.0
18.0	59.0	6.770	44.19	0.8
20.0	65.6	6.830	44.29	1.6
22.0	72.2	6.920	44.46	3.0
24.0	78.7	7.130	44.83	45.0
26.0	85.3	7.500	45.50	105.0
28.0	91.8	7.560	45.61	185.0
30.0	98.4	7.580	45.64	30.0
32.0	105.5	7.740	45.75	10.0
34.0	111.1	7.840	46.11	30.0
36.0	118.1	7.990	46.38	50.0
38.0	124.6	8.070	46.53	75.0
40.0	131.2	8.220	46.80	40.0
42.0	137.8	8.390	47.10	75.0
44.0	144.3	8.600	47.48	105.0
46.0	150.9	8.750	47.75	75.0
48.0	157.4	8.910	48.04	80.0
50.0	164.0	9.060	48.31	75.0
52.0	170.6	9.250	48.65	55.0
54.0	177.1	9.360	48.85	55.0
56.0	183.7	9.510	49.12	75.0
58.0	190.2	9.640	49.35	65.0
60.0	196.8	9.790	49.62	75.0
62.0	203.4	10.250	49.45	230.0
64.0	209.9	10.550	50.99	150.0
66.0	216.5	10.660	51.19	55.0
68.0	223.0	10.730	51.31	35.0
70.0	229.6	10.810	51.46	40.0
72.0	236.2	10.860	51.55	25.0
74.0	242.7	10.920	51.66	30.0
76.0	249.3	11.060	51.91	70.0
78.0	255.8	11.460	52.63	200.0
80.0	262.4	11.700	53.06	120.0
82.0	269.0	11.930	53.47	115.0
84.0	275.5	12.120	53.82	55.0
86.0	282.1	12.310	54.16	95.0
88.0	288.6	12.490	54.48	50.0
90.0	295.2			

LOCATION: SALEM AMS, OREGON

14S/ 6E-32DC

HOLE NAME: WOLF MDN

DATE MEASURED: 9/25/80

TEMPERATURE

DEG C

DEG F

DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

PAGE 2

92.0	301.8	12.680	54.82	95.0	2
94.0	308.3	12.860	55.15	90.0	5.4
96.0	314.9	13.060	55.51	100.0	5.5
98.0	321.4	13.250	55.85	95.0	5.5
100.0	328.0	13.430	56.17	90.0	5.5
102.0	334.6	13.610	56.50	90.0	4.9
104.0	341.1	13.800	56.84	95.0	5.2
106.0	347.7	13.980	57.16	90.0	5.2
108.0	354.2	14.170	57.51	90.0	5.2
110.0	360.8	14.370	57.87	100.0	5.5
112.0	367.4	14.560	58.21	95.0	5.5
114.0	373.9	14.750	58.55	95.0	5.5
116.0	380.5	14.920	58.86	100.0	5.5
118.0	387.0	15.120	59.22	90.0	4.5
120.0	393.6	15.300	59.54	90.0	4.5
122.0	400.2	15.480	59.86	90.0	4.5
124.0	406.7	15.650	60.19	85.0	4.5
126.0	413.3	15.830	60.49	85.0	4.5
128.0	419.8	16.000	60.80	85.0	4.5
130.0	426.4	16.170	61.11	85.0	4.5
132.0	433.0	16.320	61.38	75.0	4.5
134.0	439.5	16.490	61.68	85.0	4.5
136.0	446.1	16.650	61.97	85.0	4.5
138.0	452.6	16.820	62.28	85.0	4.5
140.0	459.2	16.970	62.55	85.0	4.5
142.0	465.8	17.130	62.83	80.0	4.5
144.0	472.3	17.300	63.14	85.0	4.5
146.0	478.9	17.460	63.43	85.0	4.5
148.0	485.4	17.610	63.70	75.0	4.5
150.0	492.0	17.760	63.97	75.0	4.5
152.0	498.6	17.910	64.24	75.0	4.5
154.0	505.1	18.040	64.47	65.0	3.6

TEMPERATURE, DEG C

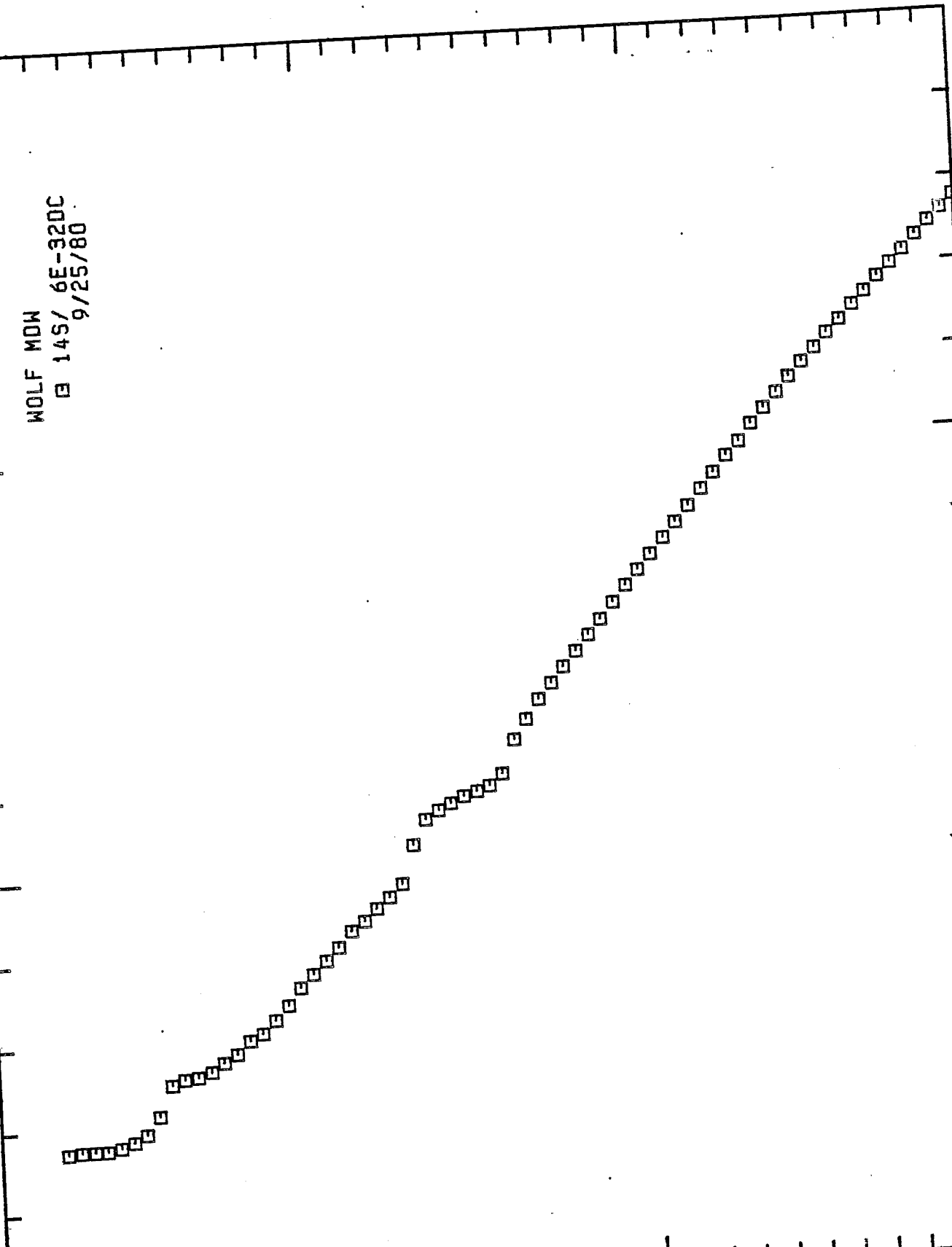
20

15

10

5

WOLF MDW
B 14S/ 6E-320C
9/25/80



LOCATION: BEND AMS, OREGON

14S/13E-14AB

HOLE NAME: JACOBS1

DATE MEASURED: 3/21/80

DEPTH
FEET

DEPTH
METERS

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
32.8	11.830	53.29	0.0	0.0
49.2	11.930	53.47	20.0	1.1
65.6	12.050	53.69	24.0	1.3
82.0	12.210	53.98	32.0	1.8
98.4	12.350	54.23	28.0	1.5
114.8	12.460	54.43	22.0	1.2
131.2	12.580	54.64	24.0	1.3
147.6	12.700	54.86	24.0	1.3
164.0	12.750	54.95	10.0	0.5
180.4	12.850	55.13	20.0	1.1
191.9	12.890	55.20	11.4	0.6

TEMPERATURE, DEG C

15

10

5

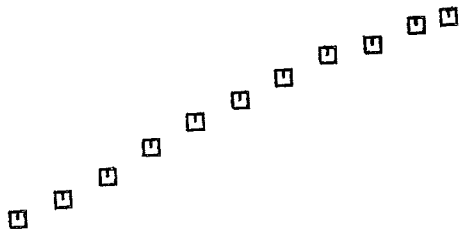
DEPTH, METERS

50

100

150

JACOBS1
□ 14S/13E-14AB
3/21/80



LOCATION: BEND AMS, OREGON
14S/14E-180C

HOLE NAME: SWIFT

DATE MEASURED: 4/18/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C

TEMPERATURE
DEG F

GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

10.0	32.8	11.960	53.53	0.0	0.0
15.0	49.2	12.110	53.80	30.0	1.6
20.0	65.6	12.240	54.03	26.0	1.4
25.0	82.0	12.130	53.83	-22.0	-1.2
30.0	98.4	12.120	53.82	-2.0	-0.1
35.0	114.8	12.120	53.82	0.0	0.0
40.0	131.2	12.100	53.78	-4.0	-0.2
45.0	147.6	12.170	53.91	14.0	0.8
50.0	164.0	12.210	53.98	8.0	0.4
55.0	180.4	12.230	54.01	4.0	0.2
60.0	196.8	12.260	54.07	6.0	0.3
60.1	197.1	12.260	54.07	0.0	0.0

TEMPERATURE, DEG C

15

10

5

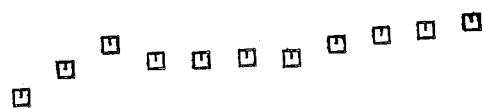
DEPTH, METERS

50

100

SWIFT

□ 14S/14E-18CC
4/18/80



LOCATION: BEND AMS, OREGON
14S/17E-33CC

HOLE NAME: RHODEN

DATE MEASURED: 8/22/80

DEPTH
FEET

DEPTH
METERS

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
32.8	12.960	55.33
49.2	13.030	55.45
65.6	13.330	55.99
82.0	13.470	56.25
98.4	14.090	57.36
114.8	14.320	57.78
131.2	15.090	59.16
147.6	15.110	59.20
164.0	15.140	59.25
180.4	15.170	59.31
196.8	15.200	59.36
213.2	15.260	59.47
229.6	15.350	59.63
246.0	15.330	59.59
262.4	15.370	59.67
278.8	15.400	59.72
295.2	15.770	60.39
311.6	16.110	61.00
328.0	16.350	61.43
344.4	16.590	61.86
360.8	16.830	62.29
377.2	17.040	62.67
393.6	17.260	63.07
410.0	17.470	63.45
426.4	17.730	63.91
442.8	17.950	64.31
459.2	18.200	64.76
475.6	18.450	65.21
492.0	18.680	65.62
508.4	18.950	66.11
524.8	19.280	66.70
541.2	19.810	67.66
557.6	20.370	68.67
574.0	20.390	68.70
590.4	20.420	68.76
606.8	20.460	68.83
623.2	20.510	68.92
639.6	20.590	68.99
656.0	20.590	69.06
672.4	20.640	69.15
688.8	20.720	69.30

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.0
14.0	0.8
60.0	3.3
28.0	1.5
124.0	6.3
46.0	2.5
154.0	8.5
4.0	0.2
6.0	0.3
6.0	0.3
6.0	0.3
12.0	0.7
18.0	1.0
-4.0	0.2
8.0	4.3
6.0	0.3
74.0	4.1
68.0	2.6
48.0	6.6
48.0	6.6
48.0	6.6
42.0	6.3
44.0	4.3
42.0	4.3
52.0	7.3
44.0	4.3
50.0	7.7
50.0	7.7
46.0	5.5
54.0	5.5
66.0	9.6
106.0	6.3
112.0	6.3
4.0	0.3
6.0	0.3
8.0	0.3
10.0	0.3
8.0	0.3
10.0	0.3
16.0	0.3

LOCATION: BEND AMS, OREGON
14S/17E-33CC

HOLE NAME: RHODEN

DATE MEASURED: 8/22/80

TEMPERATURE DEG F

DEPTH
FEET

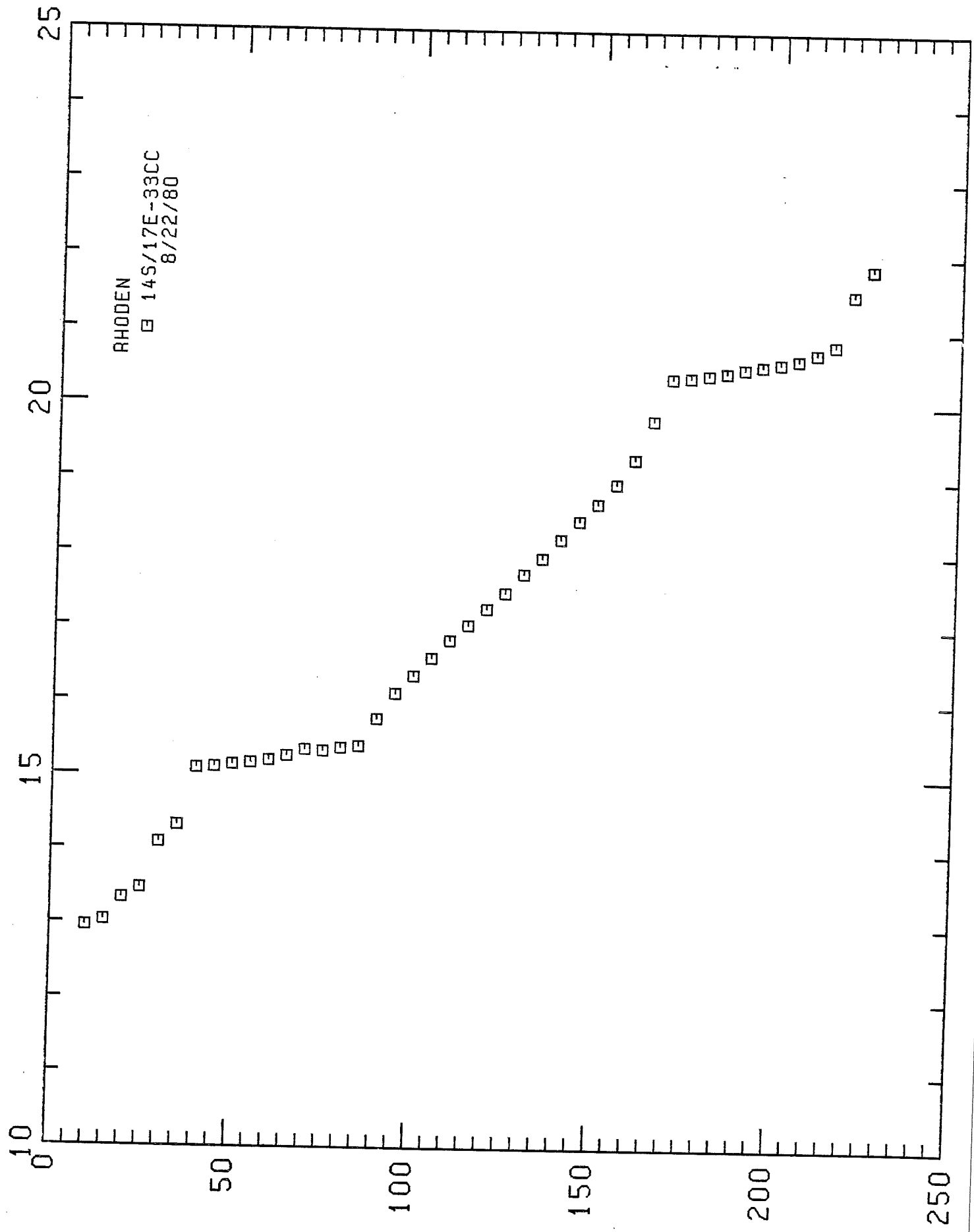
DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
705.2	20.830	69.49	22.0	1.2
721.6	21.510	70.72	136.0	7.5
738.0	21.850	71.33	68.0	3.7
738.7	21.850	71.33	0.0	0.0

215.0
220.0
225.0
225.2

TEMPERATURE, DEG C



RHODEN
□ 14S/17E-33CC
8/22/80

DEPTH, METERS

LOCATION: BEND AMS, OREGON

15S/10E- SBB

HOLE NAME: CENTWEST

DATE MEASURED: 4/ 5/80

TEMPERATURE

DEG C

DEG F

DEPTH

FEET

DEPTH

METERS

10.0	32.8	7.580	45.64
15.0	49.2	7.720	45.90
20.0	65.6	8.650	47.57
25.0	82.0	9.060	48.31
30.0	98.4	9.530	49.15
35.0	114.8	9.380	48.88
40.0	131.2	9.420	48.96
45.0	147.6	9.500	49.10
50.0	164.0	9.560	49.21
55.0	180.4	9.630	49.33
60.0	196.8	9.660	49.39
65.0	213.2	9.660	49.39
70.0	229.6	9.600	49.28
75.0	246.0	9.610	49.30
80.0	262.4	9.630	49.33
85.0	278.8	9.650	49.37
90.0	295.2	9.650	49.37
95.0	311.6	9.660	49.39
100.0	328.0	9.660	49.39
102.0	334.6	9.660	49.39

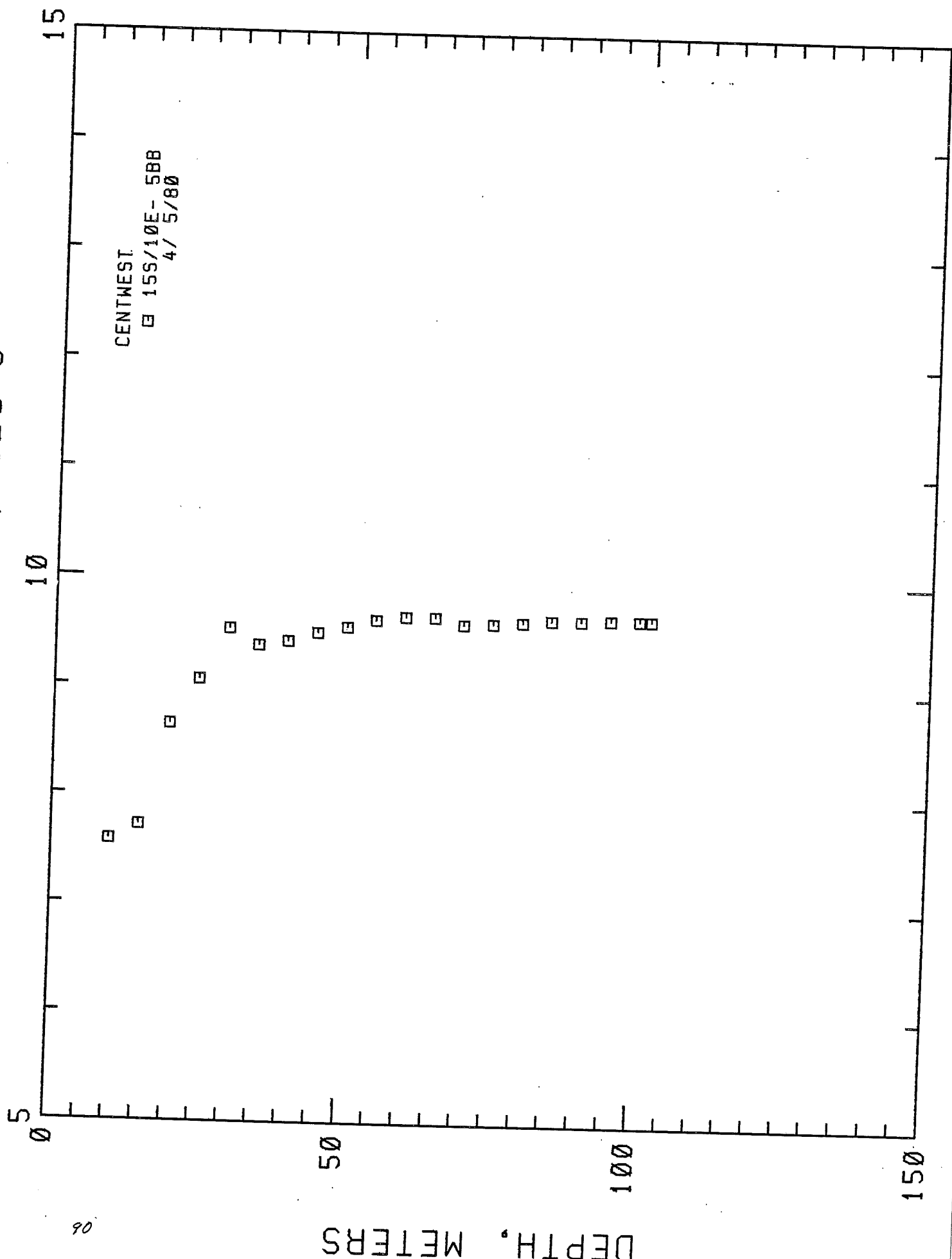
GEOTHERMAL GRADIENT

DEG C/KM

DEG F/100 FT

0.0	0.0
28.0	1.5
186.0	10.2
82.0	4.5
94.0	5.2
-30.0	-1.6
8.0	0.4
16.0	0.9
12.0	0.7
14.0	0.8
6.0	0.3
0.0	0.0
-12.0	-0.7
2.0	0.1
4.0	0.2
4.0	0.2
0.0	0.0
2.0	0.1
0.0	0.0
0.0	0.0

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
155/10E-7BC

HOLE NAME: TRACHSEL

DATE MEASURED: 3/17/80

TEMPERATURE
DEG C

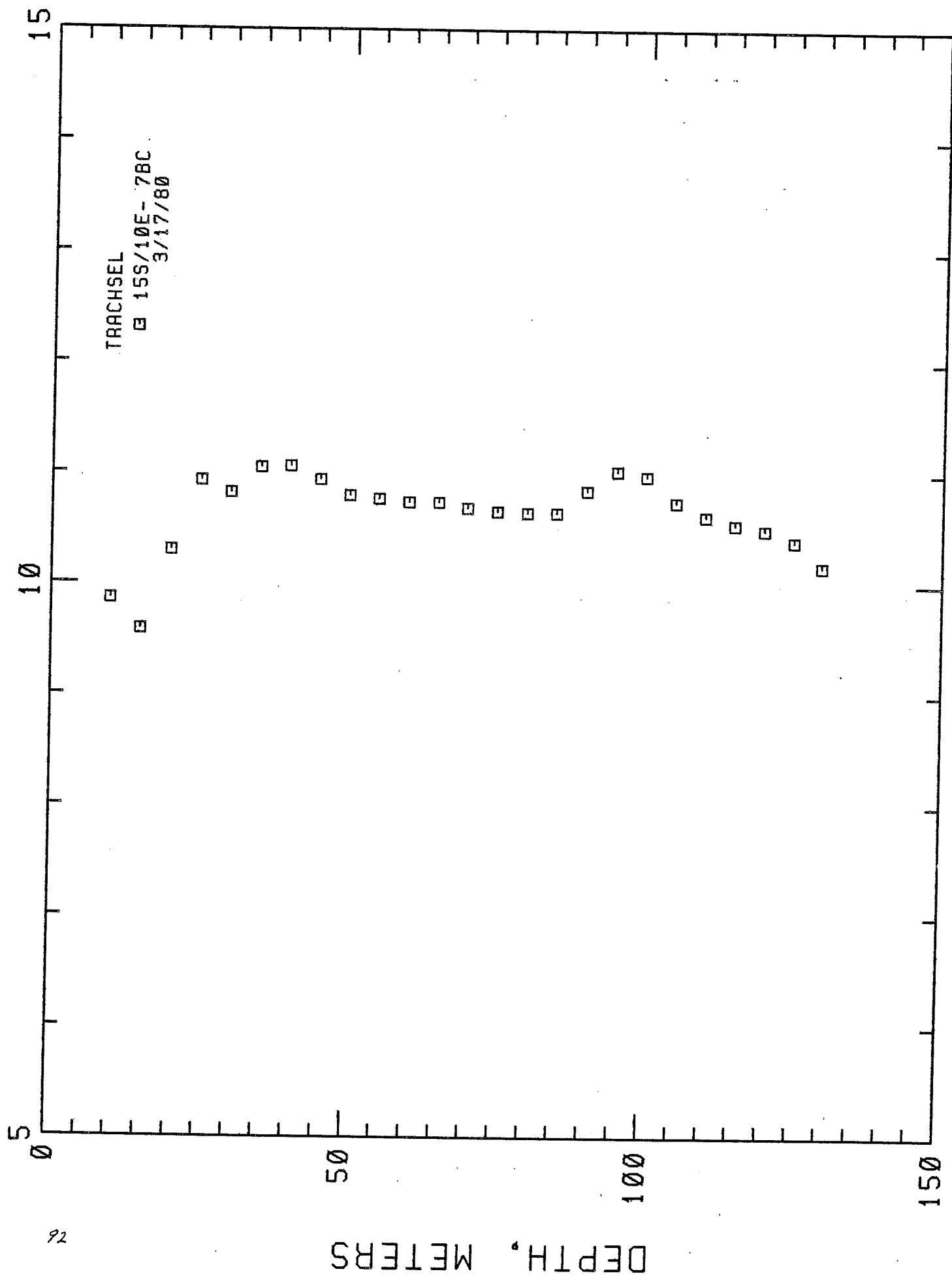
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	9.860	49.75	0.0	0.0
15.0	49.2	9.590	49.26	-54.0	-3.0
20.0	65.6	10.300	50.54	142.0	7.8
25.0	82.0	10.930	51.67	126.0	6.9
30.0	98.4	10.820	51.48	-22.0	-1.2
35.0	114.8	11.050	51.89	46.0	2.5
40.0	131.2	11.060	51.91	2.0	0.1
45.0	147.6	10.940	51.69	-24.0	-1.3
50.0	164.0	10.800	51.44	-28.0	-1.5
55.0	180.4	10.770	51.39	-6.0	-0.3
60.0	196.8	10.740	51.33	-6.0	-0.3
65.0	213.2	10.740	51.24	0.0	0.0
70.0	229.6	10.690	51.19	-10.0	-0.5
75.0	246.0	10.660	51.17	-6.0	-0.3
80.0	262.4	10.650	51.17	-2.0	-0.1
85.0	278.8	10.650	51.53	0.0	0.0
90.0	295.2	10.850	51.85	40.0	2.2
95.0	311.6	11.030	51.76	36.0	2.0
100.0	328.0	10.980	51.35	-10.0	-0.5
105.0	344.4	10.750	51.12	-46.0	-2.5
110.0	360.8	10.620	51.12	-26.0	-1.4
115.0	377.2	10.550	50.99	-14.0	-0.8
120.0	393.6	10.500	50.90	-10.0	-0.5
125.0	410.0	10.400	50.72	-20.0	-1.1
129.8	425.7	10.170	50.31	-47.9	-2.6

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
15S/12E-23BA

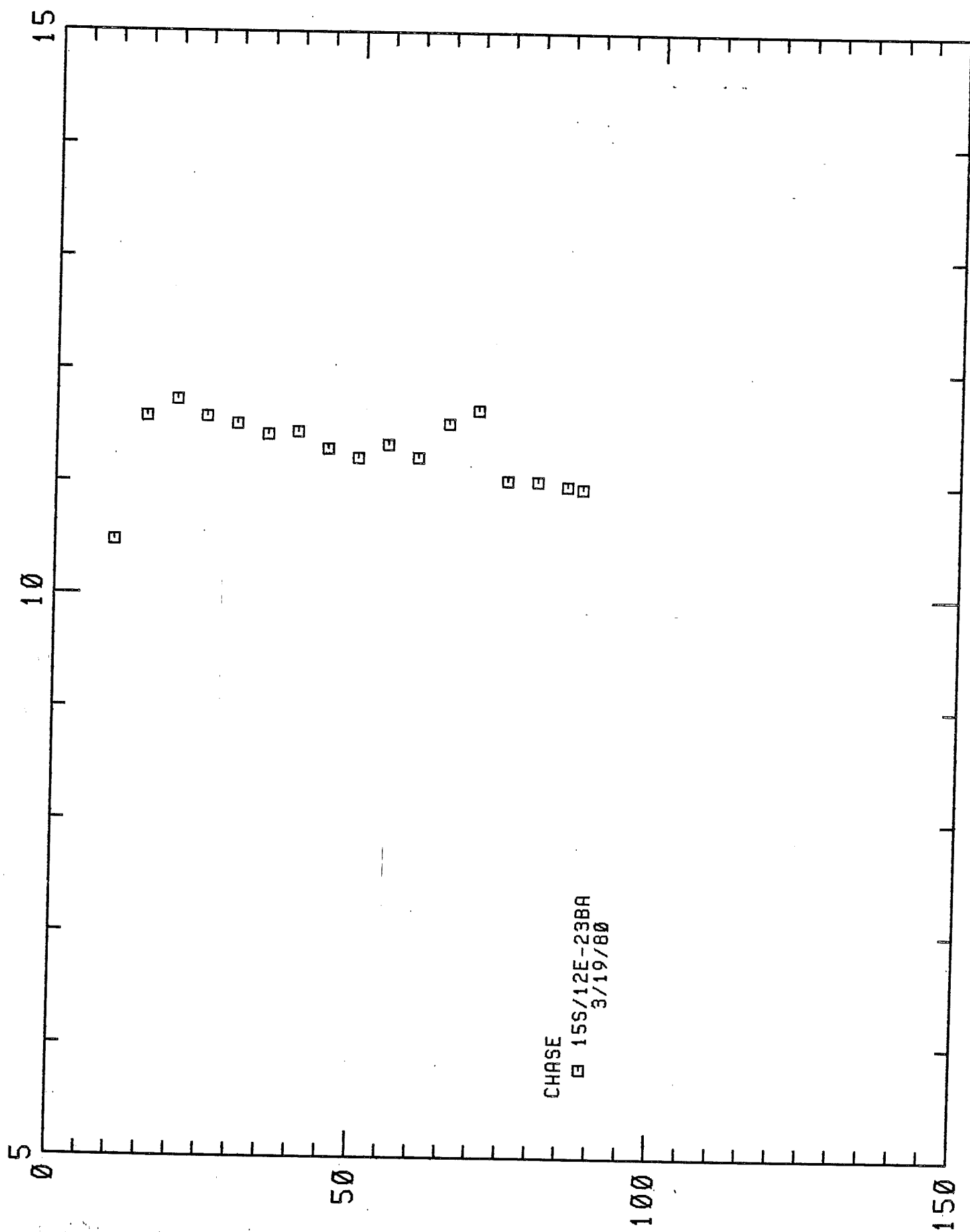
HOLE NAME: CHASE
DATE MEASURED: 3/19/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
10.0	32.8	10.480	50.86	0.0	0.0
15.0	49.2	11.580	52.84	220.0	12.1
20.0	65.6	11.730	53.11	30.0	1.6
25.0	82.0	11.580	52.84	-30.0	-1.6
30.0	98.4	11.520	52.74	-12.0	-0.7
35.0	114.8	11.430	52.57	-18.0	-1.0
40.0	131.2	11.450	52.61	4.0	0.2
45.0	147.6	11.300	52.34	-30.0	-1.6
50.0	164.0	11.220	52.20	-16.0	-0.9
55.0	180.4	11.340	52.41	24.0	1.3
60.0	196.8	11.230	52.21	-22.0	-1.2
65.0	213.2	11.530	52.75	60.0	3.3
70.0	229.6	11.650	52.97	24.0	1.3
75.0	246.0	11.030	51.85	-124.0	-6.8
80.0	262.4	11.020	51.84	-2.0	-0.1
85.0	278.8	10.980	51.76	-8.0	-0.4
87.5	287.0	10.960	51.73	-8.0	-0.4

TEMPERATURE, DEG C

DEPTH, METERS

CHASE
□ 15S/12E-23BA
3/19/80



LOCATION: BEND AMS, OREGON
155/13E-3DD1

HOLE NAME: BUCKNER1

DATE MEASURED: 4/9/80

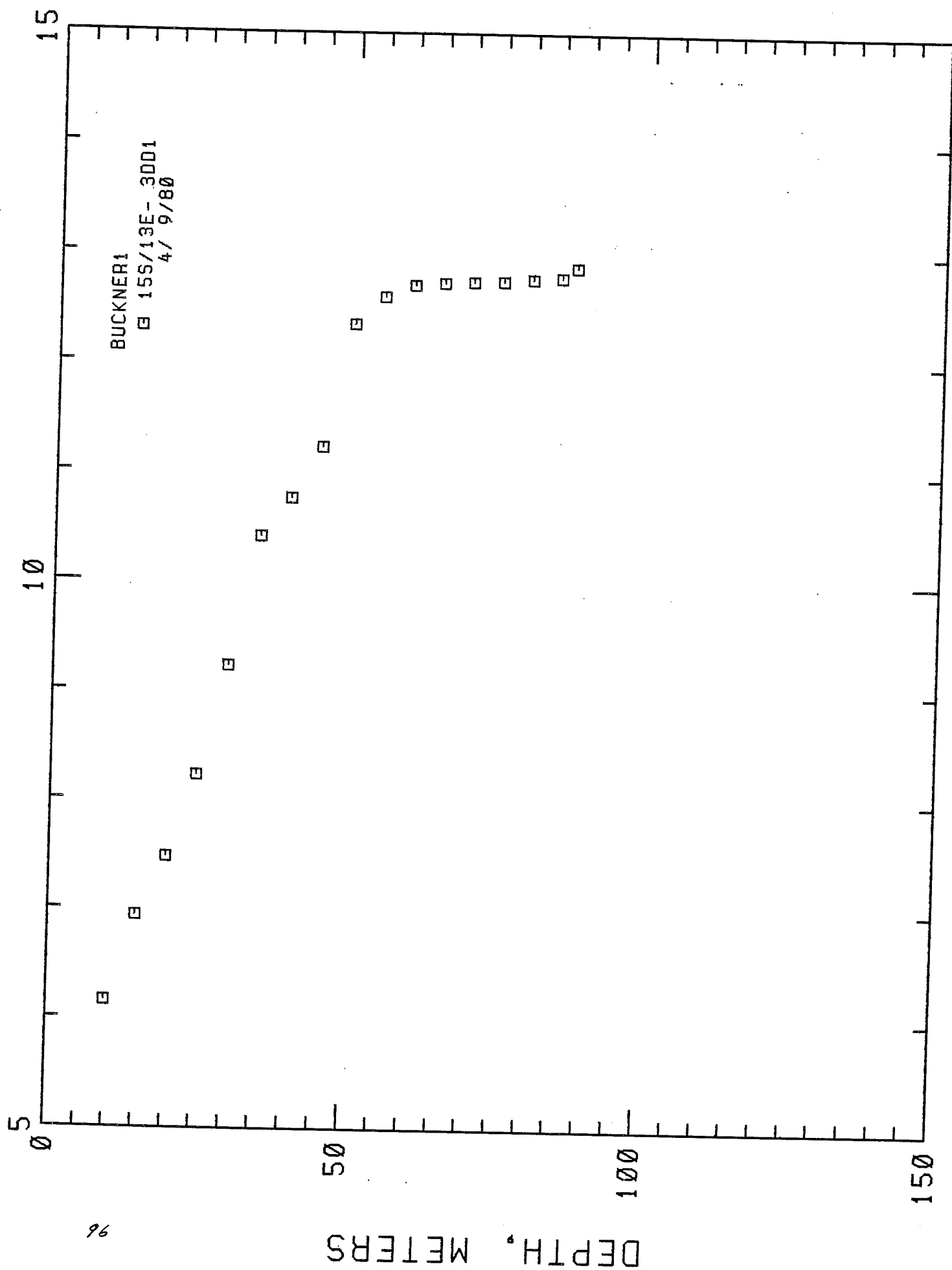
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
32.8	6.160	43.09	0.0	0.0
49.2	6.940	44.49	156.0	8.6
65.6	7.480	45.46	108.0	5.3
82.0	8.230	46.81	150.0	8.2
98.4	9.230	48.61	200.0	11.0
114.8	10.410	50.74	236.0	13.0
131.2	10.760	51.37	70.0	3.8
147.6	11.230	52.21	94.0	5.2
164.0	12.350	54.23	224.0	12.3
180.4	12.600	54.68	50.0	1.2
196.8	12.710	54.88	22.0	2.2
213.2	12.730	54.91	4.0	0.1
229.6	12.740	54.93	2.0	0.1
246.0	12.750	54.95	2.0	0.2
262.4	12.770	54.99	4.0	2.2
278.8	12.790	55.02	4.0	2.0
287.0	12.880	55.18	36.0	2.0

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

15S/13E- 3DD2

HOLE NAME: BUCKNER2

DATE MEASURED: 3/25/80

TEMPERATURE

DEPTH

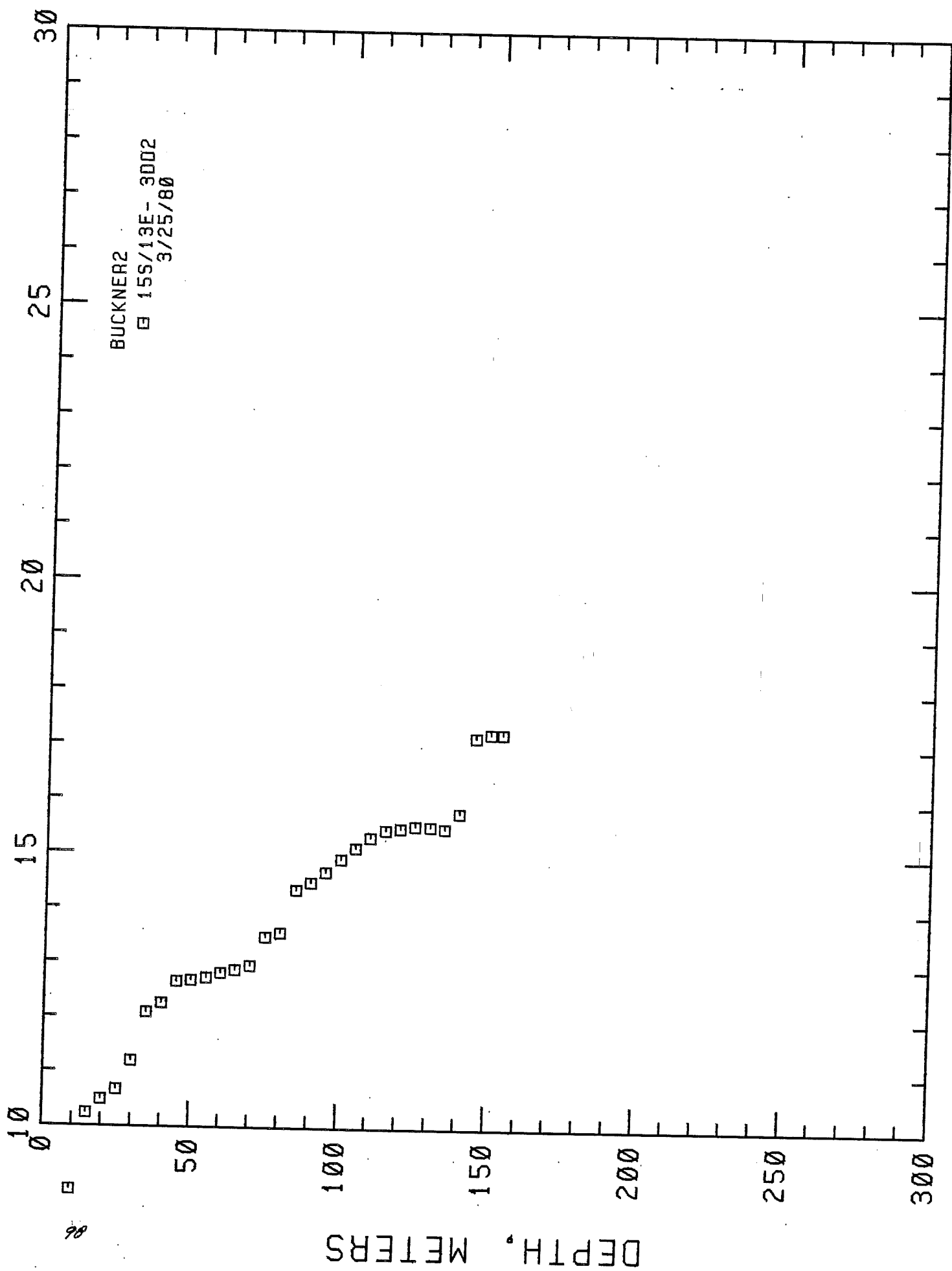
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	8.830	47.89	0.0	0.0
15.0	10.240	50.43	282.0	15.5
20.0	10.490	50.88	50.0	2.7
25.0	10.670	51.21	36.0	2.8
30.0	11.200	52.16	106.0	9.8
35.0	12.090	53.76	178.0	1.9
40.0	12.260	54.07	34.0	4.4
45.0	12.660	54.79	80.0	0.2
50.0	12.680	54.82	4.0	0.5
55.0	12.730	54.91	10.0	1.0
60.0	12.820	55.08	18.0	0.7
65.0	12.880	55.18	16.0	0.9
70.0	12.960	55.33	106.0	5.8
75.0	13.490	56.28	14.0	0.8
80.0	13.560	56.41	158.0	7.5
85.0	14.350	57.83	28.0	1.2
90.0	14.490	58.08	38.0	1.6
95.0	14.680	58.42	48.0	2.3
100.0	14.920	58.86	42.0	2.3
105.0	15.130	59.23	38.0	1.5
110.0	15.320	59.58	28.0	0.4
115.0	15.460	59.83	8.0	0.4
120.0	15.500	59.90	8.0	0.1
125.0	15.540	59.97	-2.0	0.3
130.0	15.530	59.95	-6.0	3.1
135.0	15.500	59.90	56.0	15.1
140.0	15.780	60.40	276.0	0.8
145.0	17.160	62.89	14.0	0.0
150.0	17.230	63.01	0.0	
154.0	17.230	63.01		

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
155/13E-18BC

HOLE NAME: JACOBS2

DATE MEASURED: 4/ 4/80

TEMPERATURE
DEG F

DEPTH
FEET

DEPTH
METERS

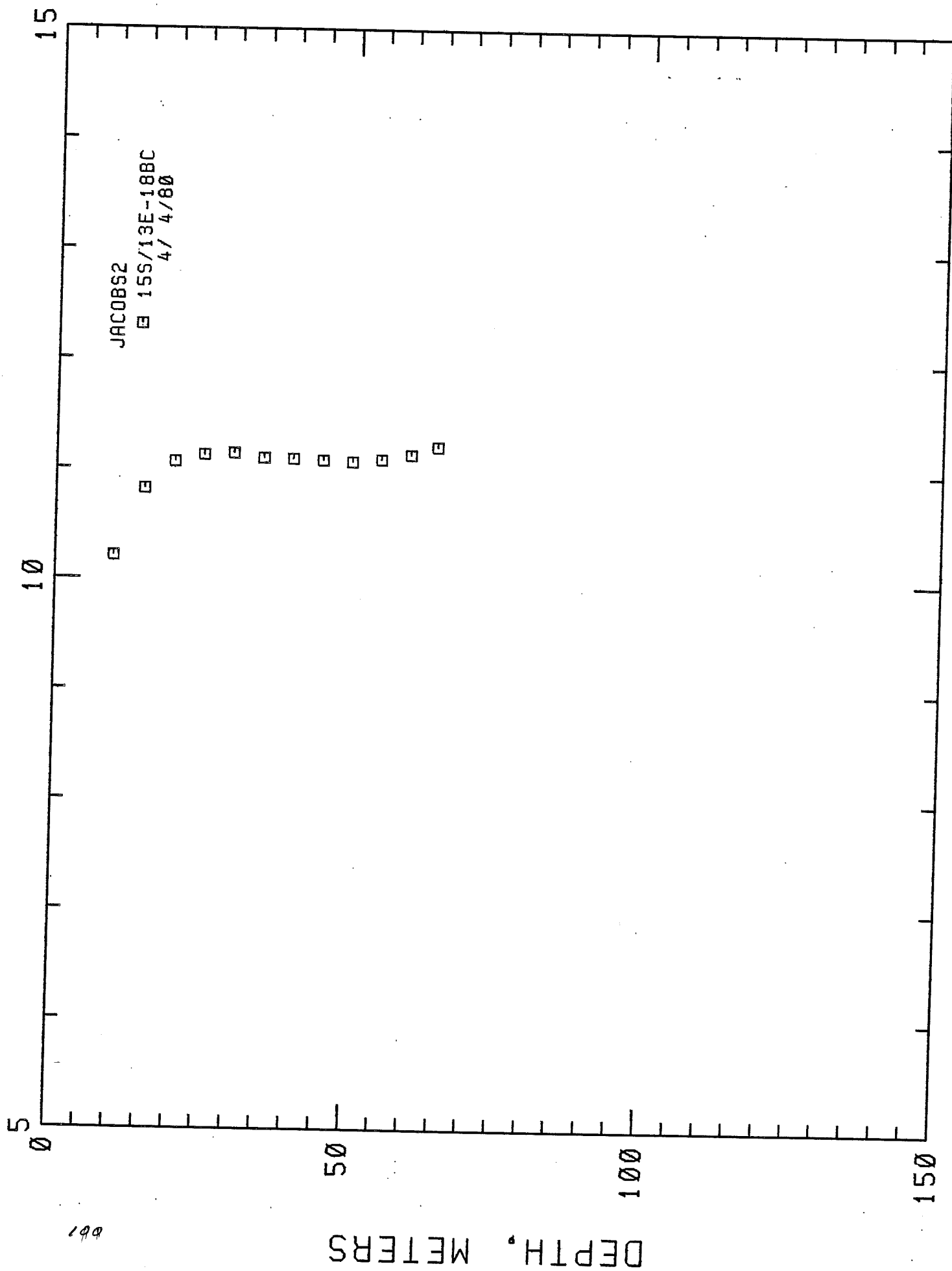
DEG C

32.8	10.210	50.38
49.2	10.820	51.48
65.6	11.070	51.93
82.0	11.130	52.03
98.4	11.150	52.07
114.8	11.110	52.00
131.2	11.100	51.98
147.6	11.090	51.96
164.0	11.080	51.94
180.4	11.100	51.98
196.8	11.150	52.07
211.6	11.220	52.20

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.0
122.0	6.7
50.0	2.7
12.0	0.2
4.0	0.4
-8.0	-0.1
-2.0	-0.1
-2.0	-0.1
4.0	0.2
10.0	0.5
15.6	0.9

TEMPERATURE, DEG C



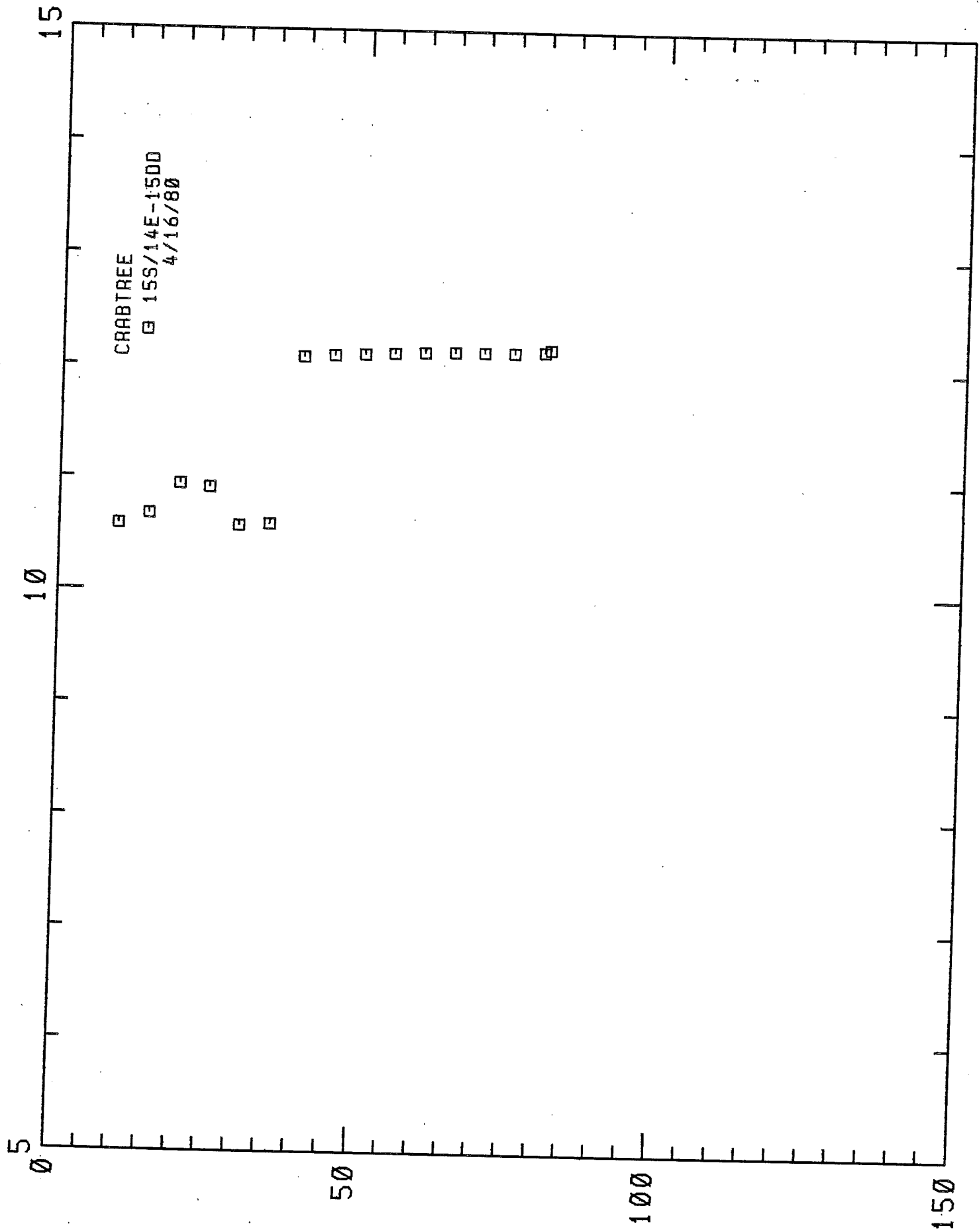
LOCATION: BEND AMS, OREGON
15S/14E-15DD

HOLE NAME: CRABTREE

DATE MEASURED: 4/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	10.590	51.06	0.0	0.0
15.0	49.2	10.680	51.22	18.0	1.0
20.0	65.6	10.950	51.71	54.0	3.0
25.0	82.0	10.920	51.66	-6.0	-0.3
30.0	98.4	10.580	51.04	-68.0	-3.7
35.0	114.8	10.600	51.08	4.0	0.2
40.0	131.2	12.090	53.76	298.0	16.4
45.0	147.6	12.110	53.80	4.0	0.2
50.0	164.0	12.120	53.82	2.0	0.1
55.0	180.4	12.130	53.83	2.0	0.1
60.0	196.8	12.140	53.85	2.0	0.1
65.0	213.2	12.150	53.87	0.0	0.0
70.0	229.6	12.150	53.87	0.0	0.0
75.0	246.0	12.160	53.89	0.0	0.1
80.0	262.4	12.180	53.92	20.0	1.1
81.0	265.7				

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON
15S/14E-35BC

HOLE NAME: FLOCK

DATE MEASURED: 6/18/80

TEMPERATURE
DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

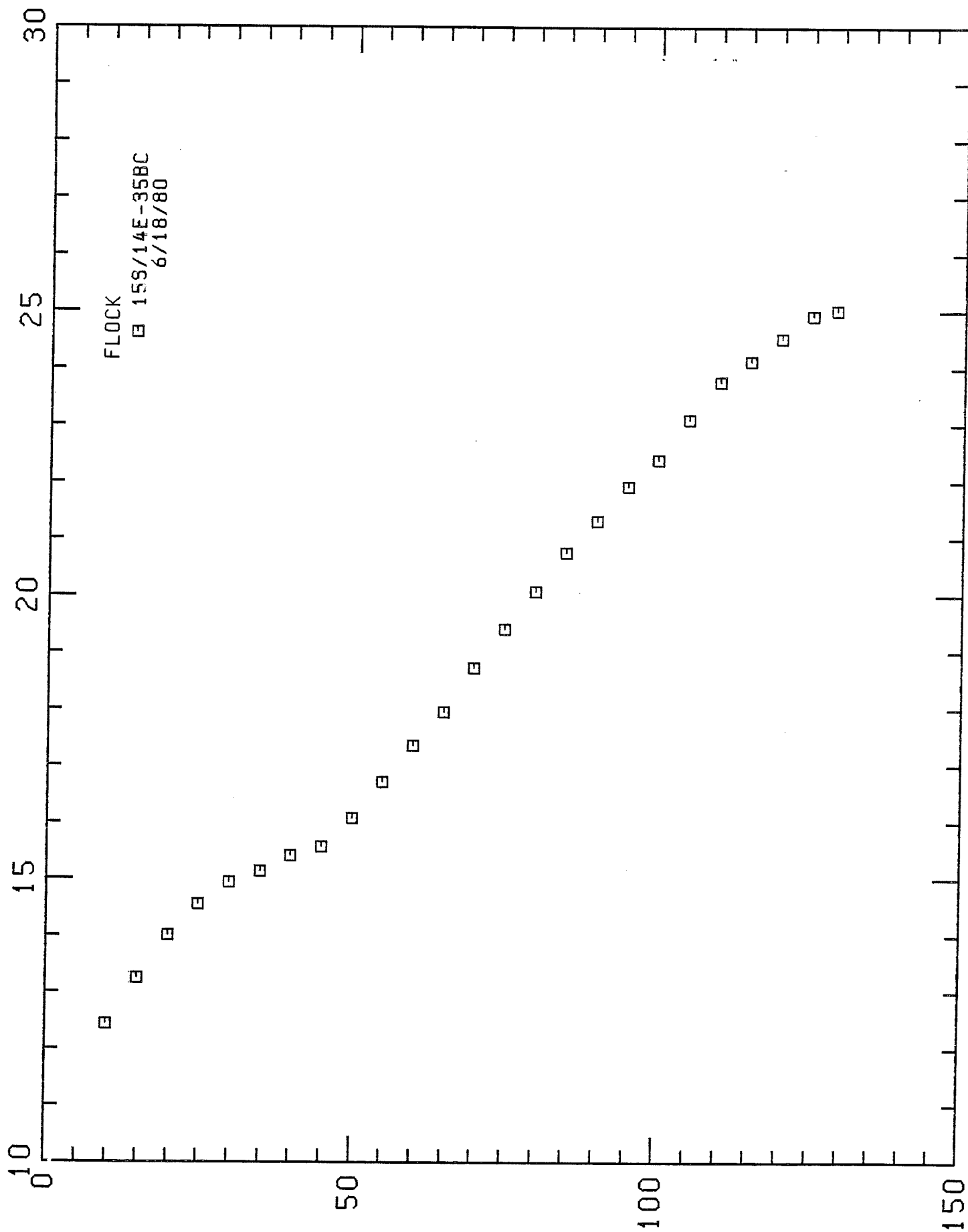
DEPTH
METERS

0.0 8.9 2
150.0 8.2
110.0 6.0 3
78.0 4.3
38.0 2.1
56.0 3.1
32.0 1.8
100.0 5.5
128.0 7.0
128.0 5.5
118.0 6.6
156.0 7.6
138.0 7.2
132.0 6.0
138.0 7.7
110.0 6.7
122.0 7.2
94.0 3.8
142.0 7.2
132.0 7.2
74.0 4.1
80.0 4.4
80.0 4.4
22.5 1.2

54.41
55.87
57.22
58.21
58.91
59.25
59.76
60.04
60.94
62.10
63.25
64.31
65.71
66.96
68.14
69.39
70.38
71.47
72.32
73.60
74.79
75.45
76.17
76.89
77.05

32.8
49.2
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
278.8
295.2
311.6
328.0
344.4
360.8
377.2
393.6
410.0
423.1

TEMPERATURE, DEG C



FLOCK

159/14E-35BC
6/18/80

LOCATION: BEND AVE, OREGON
155/14E-35DD

HOLE NAME: JOHNSON

DATE MEASURED: 8/27/80

TEMPERATURE
DEG C DEG F

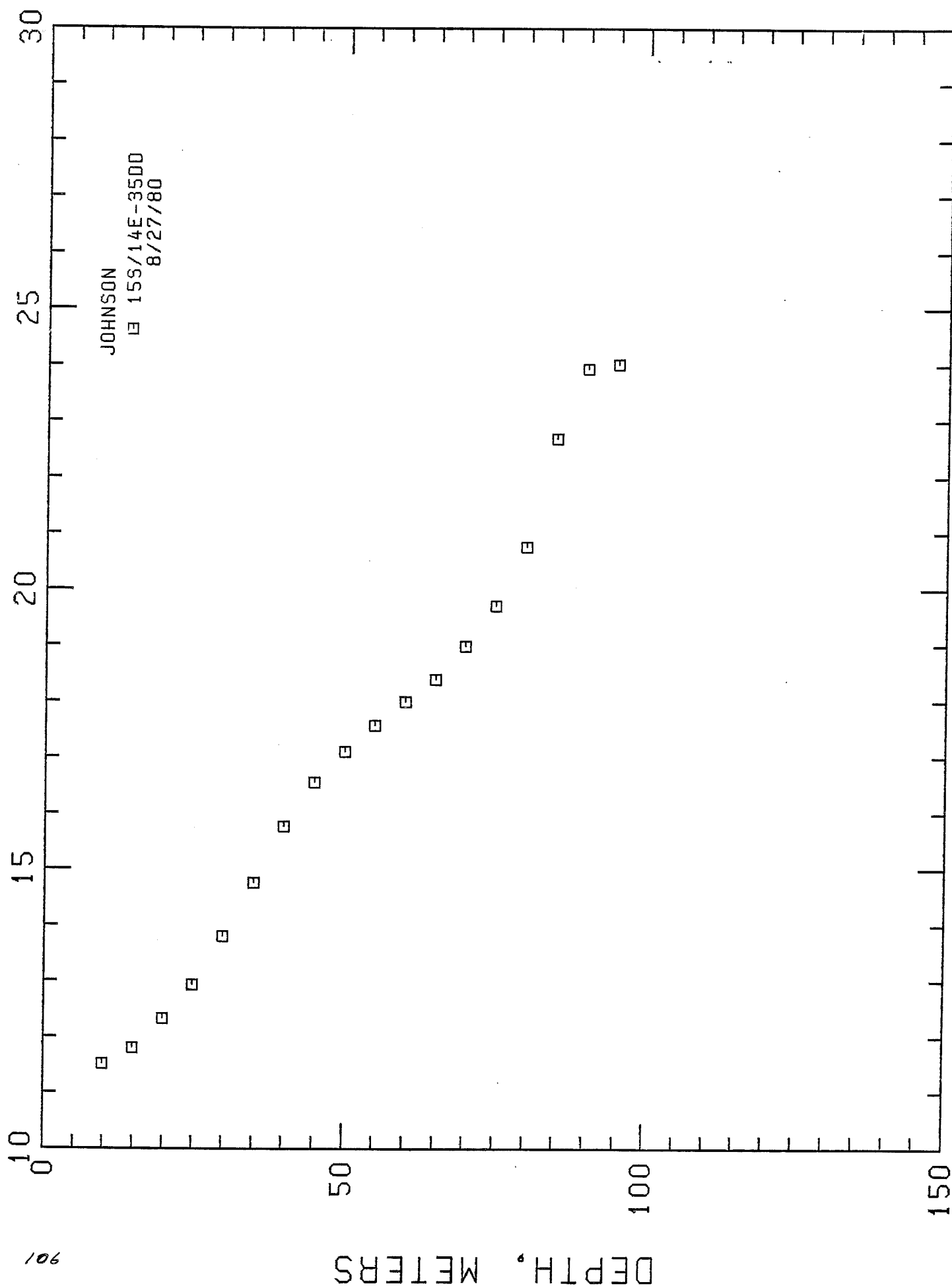
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/K1 DEG F/100 FT

10.0	32.8	11.520	52.74	0.0	0.0
15.0	49.2	11.810	53.26	58.0	3.2
20.0	65.6	12.330	54.19	104.0	5.7
25.0	82.0	12.940	55.29	122.0	6.7
30.0	98.4	13.810	56.86	174.0	9.5
35.0	114.8	14.770	58.59	192.0	10.5
40.0	131.2	15.770	60.39	200.0	11.0
45.0	147.6	16.560	61.81	158.0	8.7
50.0	164.0	17.110	62.80	110.0	5.2
55.0	180.4	17.580	63.64	94.0	4.6
60.0	196.8	18.000	64.40	84.0	4.4
65.0	213.2	18.400	65.12	80.0	5.5
70.0	229.6	18.990	66.18	118.0	7.9
75.0	246.0	19.710	67.48	144.0	11.6
80.0	262.4	20.770	69.39	212.0	21.2
85.0	278.8	22.700	72.86	386.0	13.6
90.0	295.2	23.940	75.09	248.0	0.9
95.0	311.6	24.020	75.24	16.0	

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON
15S/15E-28AD

HOLE NAME: KOOPS

DATE MEASURED: 8/11/80

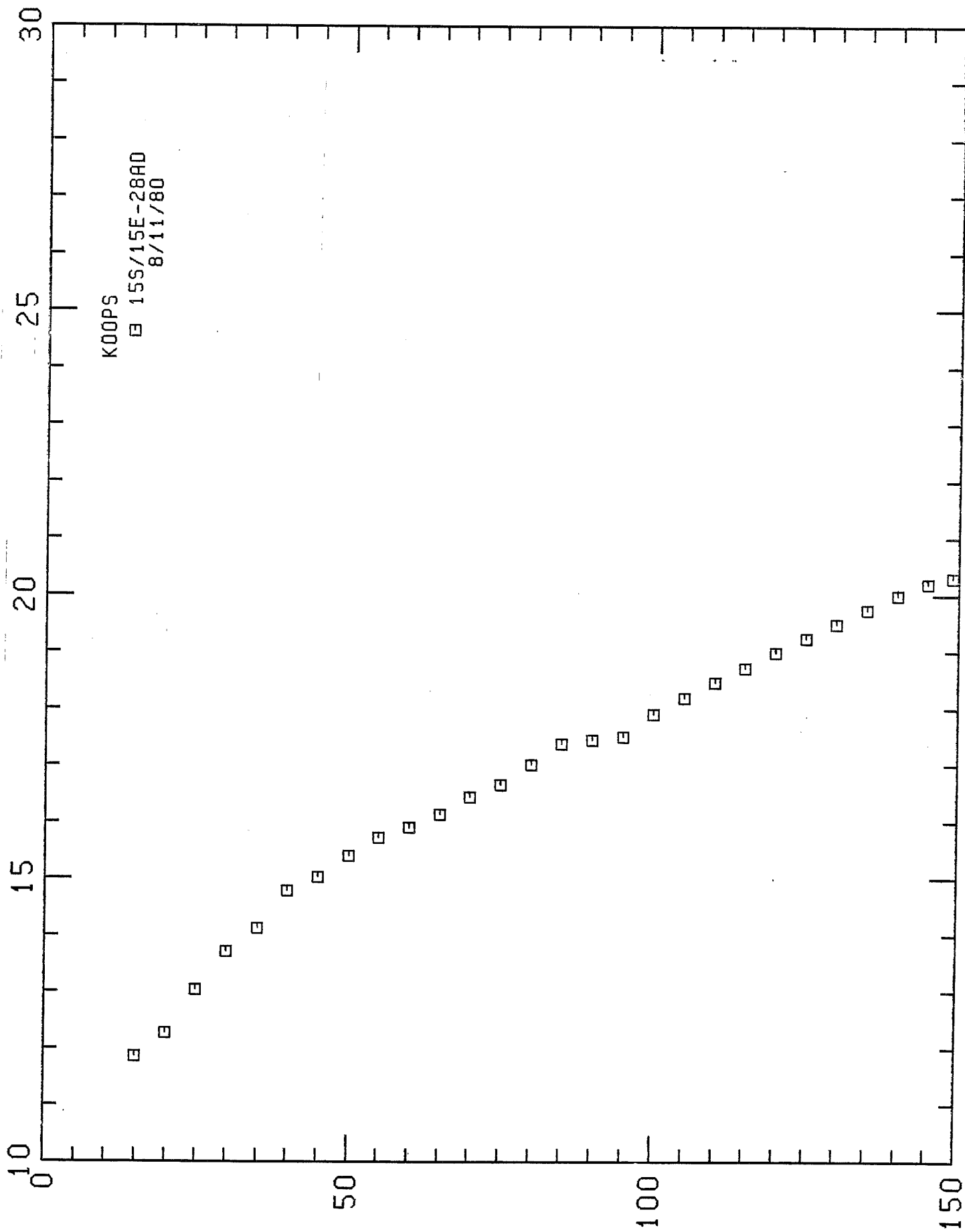
TEMPERATURE
DEG C DEG F

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

15.0	49.2	11.850	53.35	0.0	0.0
20.0	65.6	12.270	54.09	82.0	4.55
25.0	82.0	13.040	55.47	154.0	8.74
30.0	98.4	13.710	56.68	134.0	7.45
35.0	114.8	14.120	57.42	82.0	4.5
40.0	131.2	14.790	58.62	134.0	7.4
45.0	147.6	15.030	59.05	48.0	2.6
50.0	164.0	15.410	59.74	76.0	4.2
55.0	180.4	15.720	60.30	62.0	3.4
60.0	196.8	15.910	60.64	38.0	2.1
65.0	213.2	16.140	61.05	46.0	2.5
70.0	229.6	16.440	61.59	60.0	3.3
75.0	246.0	16.660	61.99	44.0	2.4
80.0	262.4	17.020	62.64	72.0	4.0
85.0	278.8	17.380	63.28	72.0	4.0
90.0	295.2	17.490	63.41	14.0	0.8
95.0	311.6	17.510	63.52	12.0	0.7
100.0	328.0	17.910	64.24	80.0	4.4
105.0	344.4	18.190	64.74	56.0	3.1
110.0	360.8	18.470	65.25	56.0	3.1
115.0	377.2	18.720	65.70	50.0	3.0
120.0	393.6	18.990	66.18	54.0	3.0
125.0	410.0	19.250	66.65	52.0	2.7
130.0	426.4	19.500	67.10	50.0	2.7
135.0	442.8	19.750	67.55	50.0	2.7
140.0	459.2	20.000	68.00	50.0	2.3
145.0	475.6	20.210	68.38	42.0	2.3
149.0	488.7	20.310	68.56	25.0	1.4

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

HOLE NAME: 15S/15E-29BB

DATE MEASURED: 4/14/80

TEMPERATURE

DEPT F

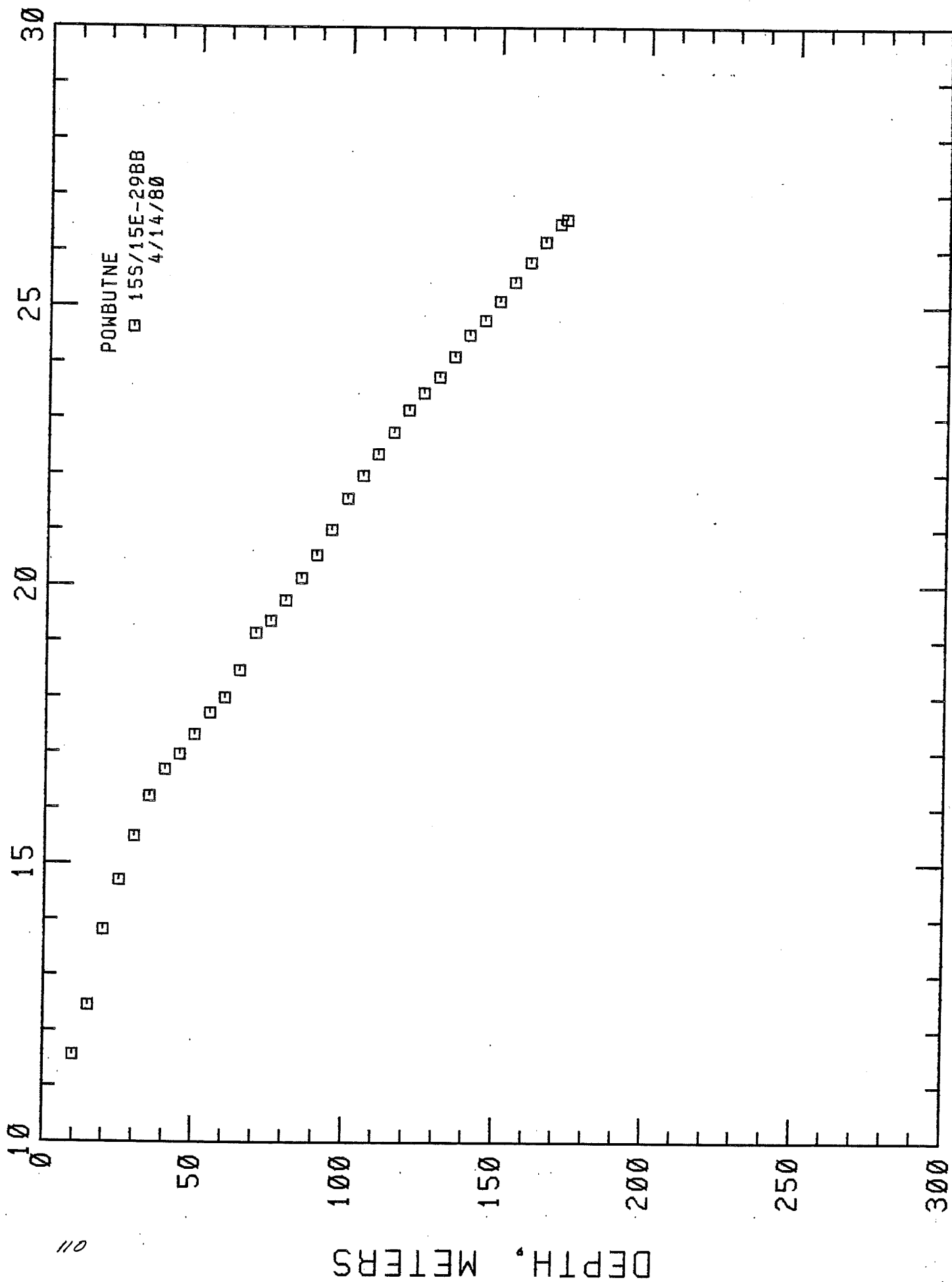
DEPT C

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	11.570	52.83	0.0	0.0
15.0	49.2	12.460	54.43	178.0	9.8
20.0	65.6	13.820	56.88	272.0	14.9
25.0	82.0	14.710	58.48	178.0	9.8
30.0	98.4	15.500	59.90	158.0	8.7
35.0	114.8	16.220	61.20	144.0	7.9
40.0	131.2	16.700	62.55	96.0	5.3
45.0	147.6	16.970	63.18	54.0	3.8
50.0	164.0	17.320	63.88	70.0	4.3
55.0	180.4	17.710	64.38	78.0	3.1
60.0	196.8	17.990	65.26	56.0	5.4
65.0	213.2	18.480	66.47	98.0	7.4
70.0	229.6	19.150	66.87	134.0	2.4
75.0	246.0	19.370	67.53	44.0	4.1
80.0	262.4	19.740	68.25	74.0	4.4
85.0	278.8	20.140	68.99	80.0	4.5
90.0	295.2	20.550	69.82	82.0	5.0
95.0	311.6	21.010	70.83	112.0	6.1
100.0	328.0	21.570	71.56	82.0	5.3
105.0	344.4	21.980	72.27	78.0	4.2
110.0	360.8	22.370	72.95	76.0	4.4
115.0	377.2	22.750	73.67	80.0	4.4
120.0	393.6	23.150	74.23	62.0	3.3
125.0	410.0	23.460	74.75	58.0	3.2
130.0	426.4	23.750	75.42	74.0	4.1
135.0	442.8	24.120	76.10	76.0	2.0
140.0	459.2	24.500	76.59	54.0	3.3
145.0	475.6	24.770	77.20	68.0	3.3
150.0	492.0	25.110	77.81	70.0	3.8
155.0	508.4	25.450	78.44	74.0	1.5
160.0	524.8	25.800	79.11	64.0	3.2
165.0	541.2	26.170	79.68	40.0	
170.0	557.6	26.490	79.83		
172.0	564.2	26.570			

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
153/15E-30AC

HOLE NAME: CRAWFORD

DATE MEASURED: 4/5/80

TEMPERATURE

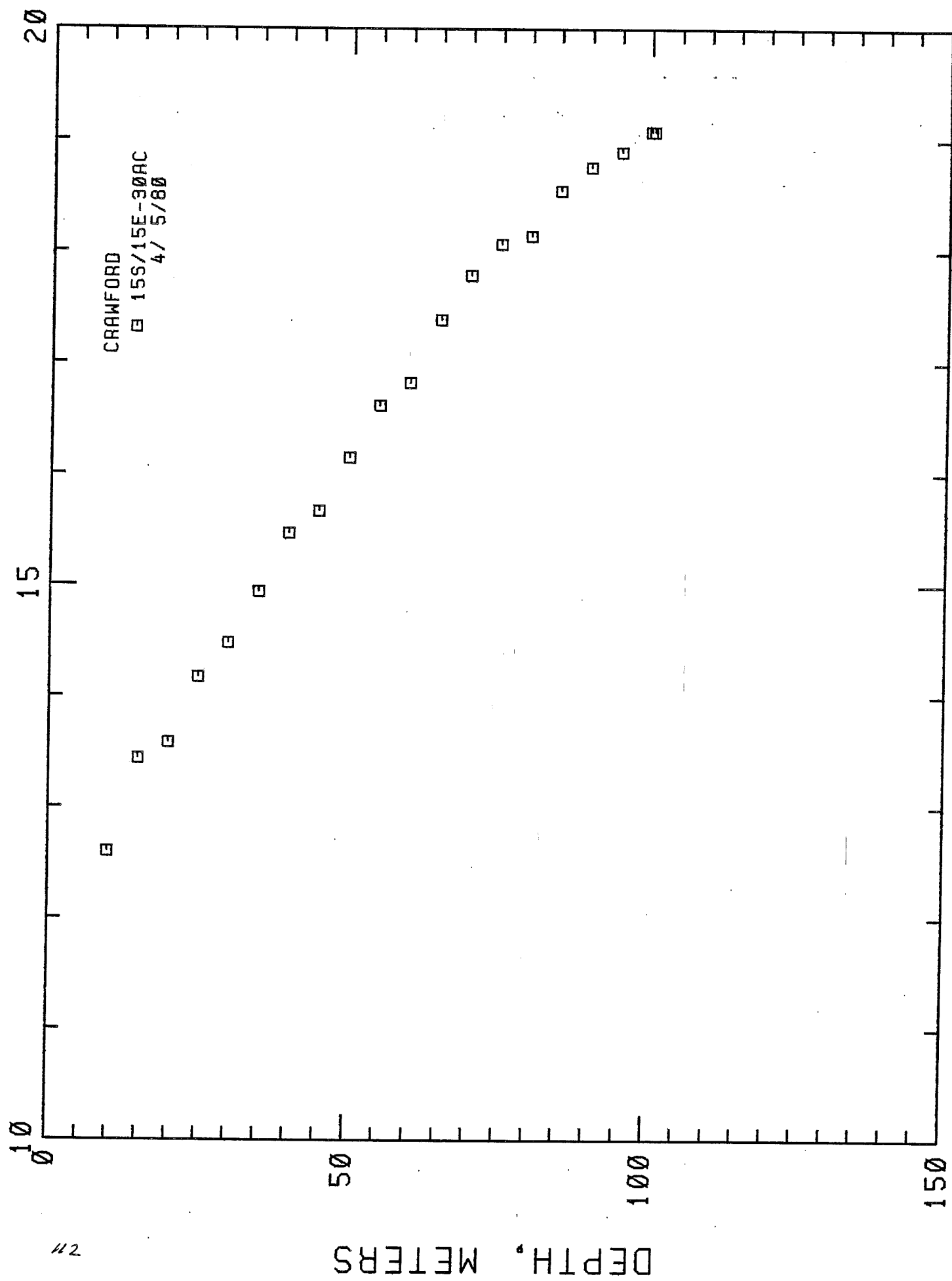
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	12.500	54.68	0.0	0.0
15.0	49.2	13.440	56.19	168.0	9.2
20.0	65.6	13.580	56.44	28.0	1.5
25.0	82.0	14.170	57.51	118.0	6.5
30.0	98.4	14.480	58.06	62.0	3.4
35.0	114.8	14.940	58.89	92.0	5.0
40.0	131.2	15.470	59.85	106.0	5.8
45.0	147.6	15.670	60.21	40.0	2.5
50.0	164.0	16.150	61.07	96.0	3.3
55.0	180.4	16.620	61.92	94.0	2.2
60.0	196.8	16.820	62.28	40.0	2.3
65.0	213.2	17.390	63.30	114.0	6.3
70.0	229.6	17.790	64.02	80.0	4.4
75.0	246.0	18.070	64.53	56.0	3.1
80.0	262.4	18.140	64.65	14.0	0.8
85.0	278.8	18.550	65.39	82.0	4.5
90.0	295.2	18.760	65.77	42.0	2.3
95.0	311.6	18.900	66.02	28.0	1.5
100.0	328.0	19.080	66.34	36.0	2.0
100.5	329.6	19.080	66.34	0.0	0.0

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
155/15E-31AC

HOLE NAME: DERSON

DATE MEASURED: 4/ 6/80

TEMPERATURE
DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/KM 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
10.0	32.8	7.940	46.29	0.0	0.0
15.0	49.2	10.100	50.18	23.7	23.7
20.0	65.6	11.000	51.80	9.9	9.9
25.0	82.0	12.090	53.76	12.0	12.0
30.0	98.4	14.060	57.31	21.6	21.6
35.0	114.8	14.860	58.75	8.8	8.8
40.0	131.2	16.190	61.14	14.6	14.6
45.0	147.6	16.590	61.86	4.4	4.4
50.0	164.0	17.000	62.60	4.5	4.5
55.0	180.4	17.150	62.87	1.6	1.6
60.0	196.8	17.550	63.59	4.4	4.4
65.0	213.2	17.730	63.91	2.0	2.0
70.0	229.6	17.690	63.84	0.4	0.4
75.0	246.0	18.410	65.14	7.9	7.9
80.0	262.4	18.560	65.41	1.6	1.6
85.0	278.8	18.870	65.97	3.4	3.4
90.0	295.2	19.640	67.35	5.7	5.7
95.0	311.6	19.980	67.96	3.6	3.6
100.0	328.0	20.490	68.89	5.6	5.6
105.0	344.4	21.050	69.89	1.8	1.8
110.0	360.8	21.210	70.18	7.7	7.7
115.0	377.2	21.640	70.95	7.7	7.7
120.0	393.6	22.340	72.21	4.3	4.3
125.0	410.0	22.730	72.91	3.4	3.4
130.0	426.4	23.040	73.47	2.1	2.1
135.0	442.8	23.230	73.81	5.2	5.2
140.0	459.2	24.100	75.38	1.4	1.4
145.0	475.6	24.210	75.58	4.2	4.2
150.0	492.0	24.610	76.30	0.0	0.0
155.0	508.4	24.990	76.98	4.3	4.3
160.0	524.8	25.070	77.13	1.1	1.1
165.0	541.2	25.460	77.83	5.2	5.2
170.0	557.6	25.560	78.01	1.6	1.6
175.0	574.0	26.030	78.85	0.3	0.3
180.0	590.4	26.200	79.16	0.5	0.5
185.0	606.8	26.810	80.26	0.5	0.5
190.0	623.2	26.840	80.31	0.5	0.5
195.0	639.6	27.350	81.23	0.3	0.3
200.0	656.0	27.620	81.72	0.3	0.3
205.0	672.4	27.690	81.84	0.3	0.3
210.0	688.8	28.010	82.42	0.3	0.3

LOCATION: BEND AMS, OREGON
155/15E-31AC

HOLE NAME: DEASON

DATE MEASURED: 4/ 6/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C

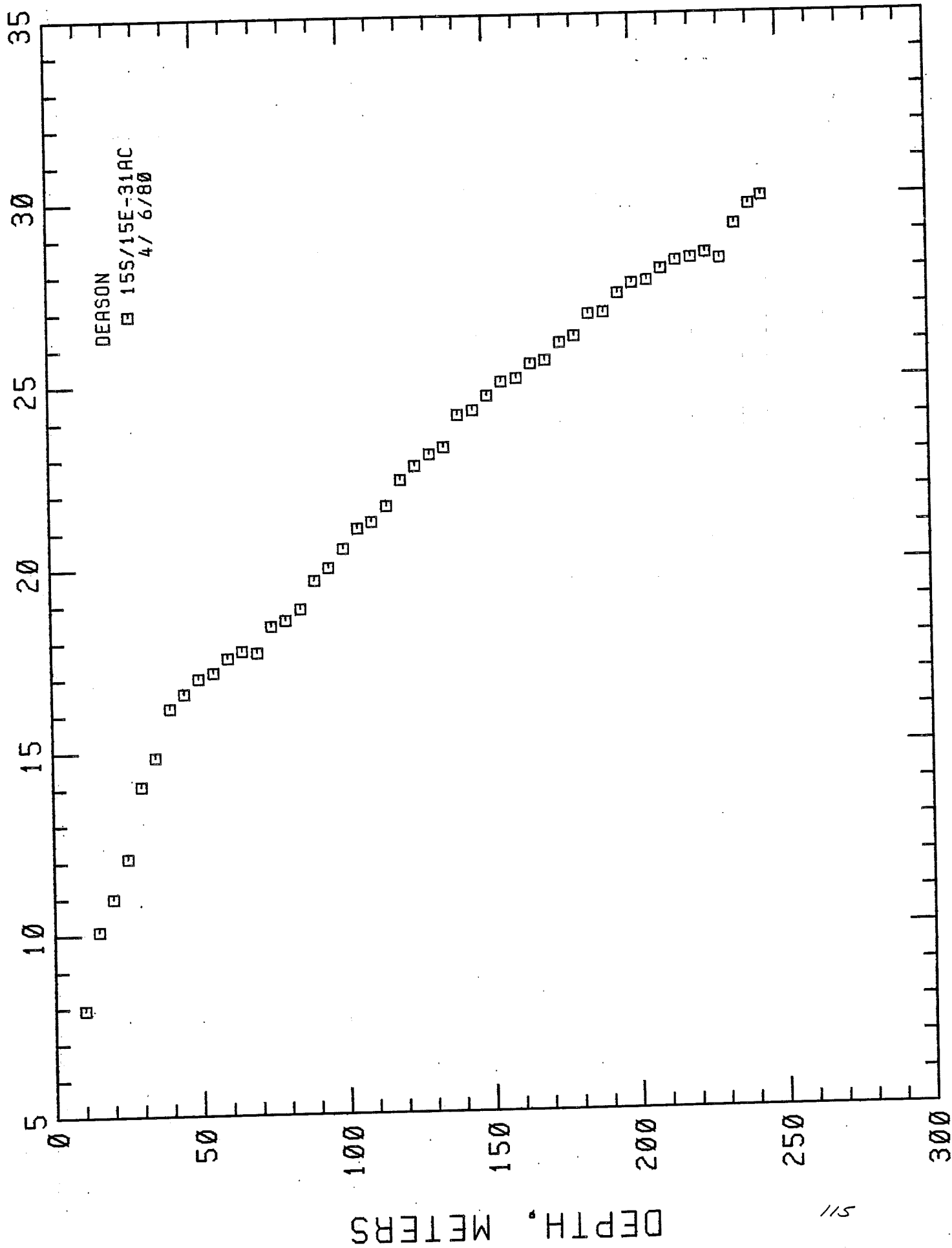
TEMPERATURE
DEG F

GEOTHERMAL GRADIENT
DEG C/KM

GEOTHERMAL GRADIENT
DEG F/100 FT

215.0	705.2	28.230	82.81	44.0	2.4
220.0	721.6	28.290	82.92	12.0	0.7
225.0	738.0	28.430	83.17	28.0	1.5
230.0	754.4	28.270	82.89	-32.0	-1.8
235.0	770.8	29.200	84.56	186.0	10.2
240.0	787.2	29.730	85.51	106.0	5.8
244.3	801.3	29.960	85.93	53.5	2.9

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

15S/43E-34CD

HOLE NAME: MCBRIDE

DATE MEASURED: 6/24/80

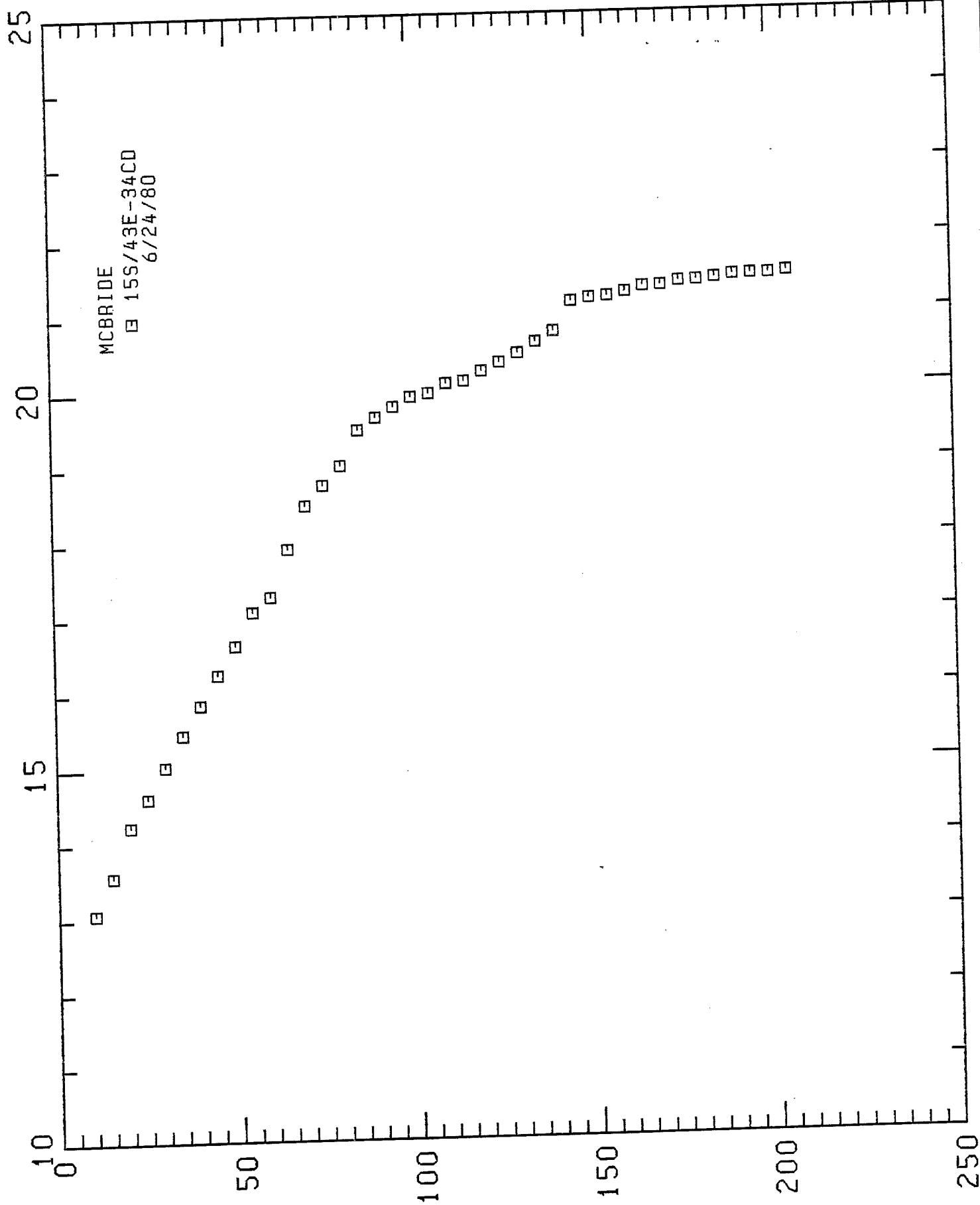
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
32.8	13.080	55.54	0.0	0.0
49.2	13.570	56.43	98.0	5.4
65.6	14.240	57.63	134.0	7.4
82.0	14.620	58.32	76.0	4.2
98.4	15.040	59.07	84.0	4.6
114.8	15.460	59.83	84.0	4.6
131.2	15.850	60.53	78.0	4.3
147.6	16.260	61.27	82.0	4.4
164.0	16.640	61.95	76.0	4.4
180.4	17.090	62.76	90.0	4.4
196.8	17.290	63.12	40.0	2.2
213.2	17.920	64.26	126.0	6.6
229.6	18.490	65.28	114.0	6.3
246.0	18.760	65.77	54.0	3.0
262.4	19.020	66.24	52.0	3.0
278.8	19.490	67.08	94.0	5.2
295.2	19.650	67.37	32.0	2.0
311.6	19.790	67.62	28.0	1.5
328.0	19.920	67.86	26.0	1.4
344.4	19.960	67.93	8.0	0.4
360.8	20.090	68.16	26.0	1.4
377.2	20.110	68.20	4.0	0.2
393.6	20.240	68.43	26.0	1.4
410.0	20.350	68.63	22.0	1.2
426.4	20.470	68.85	24.0	1.3
442.8	20.620	69.12	30.0	1.6
459.2	20.760	69.37	28.0	1.5
475.6	21.150	70.07	78.0	4.4
492.0	21.190	70.14	8.0	0.4
508.4	21.210	70.18	4.0	0.2
524.8	21.260	70.27	10.0	0.5
541.2	21.330	70.39	14.0	0.8
557.6	21.340	70.41	12.0	0.7
574.0	21.350	70.50	10.0	0.5
590.4	21.400	70.52	6.0	0.3
606.8	21.430	70.57	6.0	0.3
623.2	21.460	70.63	6.0	0.3
639.6	21.470	70.65	6.0	0.3
656.0	21.470	70.65	0.0	0.0
672.4	21.490	70.68	4.0	0.2

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

16S/12E-29CA

HOLE NAME: JACOBS3

DATE MEASURED: 4/ 4/80

DEPTH
FEET

DEPTH
METERS

TEMPERATURE
DEG C

DEG F

GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

10.0	32.8	10.200	50.36	0.0	0.0
15.0	49.2	10.800	51.44	120.0	6.6
20.0	65.6	11.150	52.07	70.0	5.8
25.0	82.0	11.340	52.41	38.0	2.1
30.0	98.4	11.350	52.43	2.0	0.1
35.0	114.8	11.270	52.29	-16.0	-0.9
40.0	131.2	11.120	52.02	-30.0	-1.6
45.0	147.6	11.040	51.87	-16.0	-0.9
50.0	164.0	10.910	51.64	-26.0	-1.4
55.0	180.4	10.900	51.62	-2.0	-0.1
60.0	196.8	10.970	51.75	14.0	0.8
65.0	213.2	10.940	51.69	-6.0	-0.3
70.0	229.6	10.750	51.35	-38.0	-2.1
75.0	246.0	10.770	51.39	4.0	0.2
80.0	262.4	11.080	51.94	62.0	3.4
85.0	278.8	10.730	51.31	-70.0	-3.8
90.0	295.2	10.660	51.19	-14.0	-0.8
95.0	311.6	10.700	51.26	8.0	0.4
100.0	328.0	10.720	51.30	4.0	0.2
105.0	344.4	10.750	51.35	6.0	0.3
110.0	360.8	10.780	51.40	6.0	0.3
115.0	377.2	10.800	51.44	4.0	0.2
120.0	393.6	10.850	51.53	10.0	0.5
125.0	410.0	10.820	51.48	-6.0	-0.3
130.0	426.4	10.830	51.49	2.0	0.1
135.0	442.8	10.840	51.51	2.0	0.1
140.0	459.2	10.860	51.55	4.0	0.2
145.0	475.6	10.880	51.58	4.0	0.2
150.0	492.0	10.890	51.60	2.0	0.1
155.0	508.4	10.870	51.57	-4.0	-0.2
160.0	524.8	10.870	51.57	0.0	0.0
163.0	534.6	10.870	51.57	0.0	0.0

TEMPERATURE, DEG C

25

20

15

10

5

JACOBS3

16S/12E-29CA
4/ 4/80

50

100

150

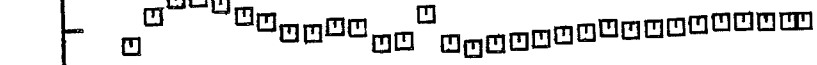
200

250

300

DEPTH, METERS

611



LOCATION: BEND AMS, OREGON
16S/12E-31CB

HOLE NAME: EMMONS

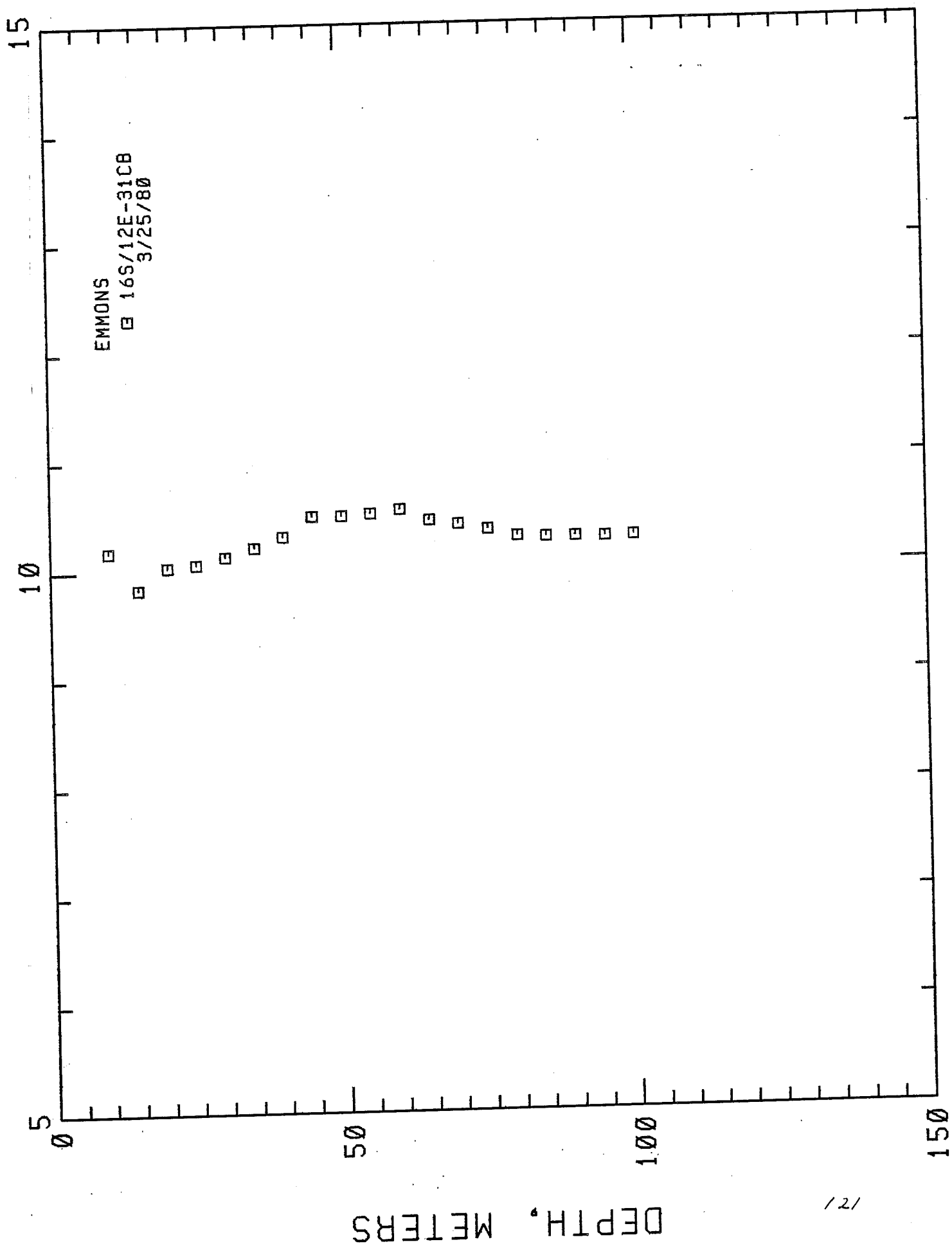
DATE MEASURED: 3/25/80

DEPTH TEMPERATURE
FEET DEG C DEG F

DEPTH
METERS

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	10.180	50.32	0.0	0.0
15.0	49.2	9.840	49.71	-68.0	-3.7
20.0	65.6	10.040	50.07	40.0	2.2
25.0	82.0	10.060	50.11	4.0	0.2
30.0	98.4	10.130	50.23	14.0	0.8
35.0	114.8	10.210	50.38	16.0	0.9
40.0	131.2	10.310	50.56	20.0	1.1
45.0	147.6	10.490	50.88	36.0	2.0
50.0	164.0	10.490	50.88	0.0	0.0
55.0	180.4	10.510	50.92	4.0	0.2
60.0	196.8	10.540	50.97	6.0	0.3
65.0	213.2	10.440	50.79	-20.0	-1.1
70.0	229.6	10.400	50.72	-8.0	-0.4
75.0	246.0	10.350	50.63	-10.0	-0.5
80.0	262.4	10.280	50.50	-14.0	-0.8
85.0	278.8	10.270	50.49	-2.0	-0.1
90.0	295.2	10.270	50.49	0.0	0.0
95.0	311.6	10.260	50.47	-2.0	-0.1
100.0	328.0	10.270	50.49	2.0	0.1

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

HOLE NAME: 16S/14E-2DAD

DATE MEASURED: 9/23/80

TEMPERATURE

DEPT F

DEPT C

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

5.0	16.4	12.960	55.33	0.0	0.0
10.0	32.8	12.110	53.80	-170.0	0.3
15.0	49.2	12.610	54.70	100.0	5.5
20.0	65.6	12.840	55.11	46.0	5.0
25.0	82.0	13.200	55.76	72.0	5.0
30.0	98.4	13.570	56.43	74.0	4.1
35.0	114.8	14.130	57.43	112.0	6.3
40.0	131.2	14.400	57.92	54.0	1.0
45.0	147.6	14.720	58.50	64.0	5.5
50.0	164.0	15.040	59.07	64.0	5.5
55.0	180.4	15.280	59.50	48.0	6.0
60.0	196.8	15.550	59.99	54.0	5.0
65.0	213.2	15.790	60.42	48.0	5.0
70.0	229.6	16.100	60.98	62.0	4.7
75.0	246.0	16.350	61.43	50.0	7.7
80.0	262.4	16.600	61.88	50.0	7.7
85.0	278.8	16.880	62.38	56.0	1.2
90.0	295.2	17.080	62.74	40.0	6.0
95.0	311.6	17.320	63.18	48.0	6.0
100.0	328.0	17.590	63.66	54.0	6.0
105.0	344.4	17.890	64.20	60.0	3.8
110.0	360.8	18.050	64.49	32.0	3.8
115.0	377.2	18.260	65.19	42.0	1.2
120.0	393.6	18.440	65.52	36.0	0.0
125.0	410.0	18.620	65.96	36.0	0.0
130.0	426.4	18.860	66.34	48.0	6.4
135.0	442.8	19.080	66.69	44.0	1.3
140.0	459.2	19.270	67.06	38.0	1.3
145.0	475.6	19.480	67.41	42.0	0.0
150.0	492.0	19.670	67.71	38.0	0.0
154.0	505.1	19.840		42.5	

TEMPERATURE, DEG C

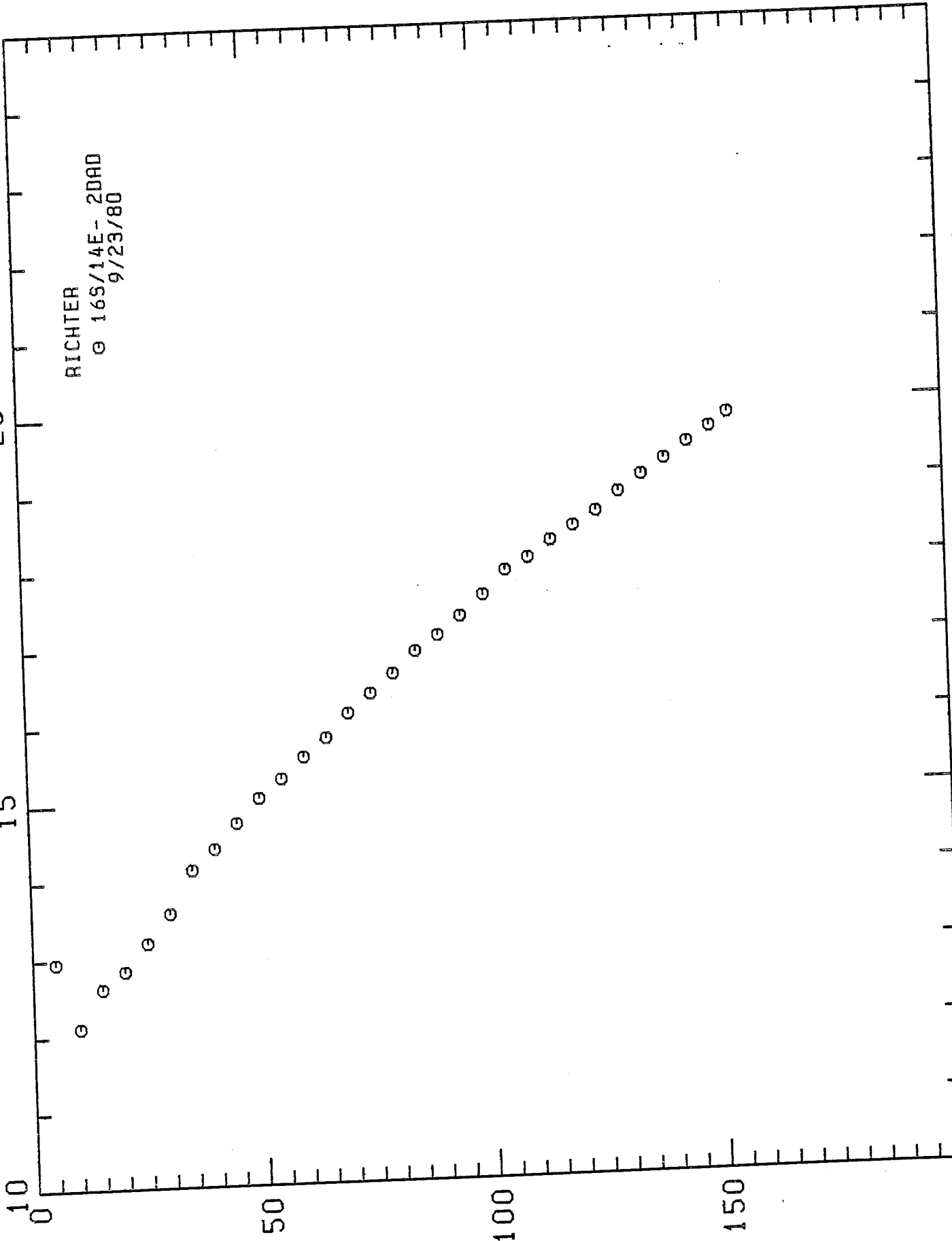
25

20

15

10

RICHTER
G 16S/14E- 2DAD
9/23/80



LOCATION: BEND AMS, OREGON

16S/14E- 3DBB

HOLE NAME: MINSON

DATE MEASURED: 9/26/80

DEPTH

DEPTH METERS

FEET TEMPERATURE DEG C

GEOTHERMAL GRADIENT DEG C/KM DEG F/100 FT

5.0	13.180	55.72	0.0	0.5
10.0	12.410	54.34	-154.0	0.3
15.0	12.680	54.82	54.0	0.5
20.0	12.910	55.24	46.0	0.5
25.0	13.340	55.01	86.0	0.5
30.0	13.460	56.23	24.0	1.3
35.0	12.960	55.33	-100.0	1.5
40.0	13.130	55.63	34.0	1.5
45.0	13.300	55.94	34.0	1.5
50.0	13.550	56.39	50.0	1.5
55.0	14.080	57.34	106.0	1.8
60.0	14.310	57.76	46.0	1.8
65.0	14.780	58.60	94.0	2.1
70.0	15.340	59.61	112.0	1.7
75.0	15.860	60.55	104.0	0.5
80.0	16.220	61.20	72.0	0.5
85.0	16.450	61.61	46.0	0.5
90.0	16.830	62.29	76.0	0.5
95.0	17.380	63.28	110.0	0.5
100.0	17.850	64.13	94.0	0.5
105.0	18.530	65.35	136.0	0.5
110.0	19.010	66.22	96.0	0.5
115.0	19.370	66.87	72.0	0.7
120.0	19.890	67.80	104.0	0.4
125.0	20.290	68.52	80.0	0.4
130.0	20.570	69.03	56.0	0.4
135.0	21.020	69.84	90.0	0.4
140.0	21.170	70.11	30.0	0.4
145.0	21.450	70.61	56.0	0.4
150.0	21.820	71.28	74.0	0.4
155.0	22.480	72.46	132.0	0.4
160.0	23.090	73.56	122.0	0.4
162.0	23.140	73.65	25.0	0.4

LOCATION: BEND AYS, OREGON
16S/14E-9DBB

HOLE NAME: MINSON

DATE MEASURED: 10/1/80

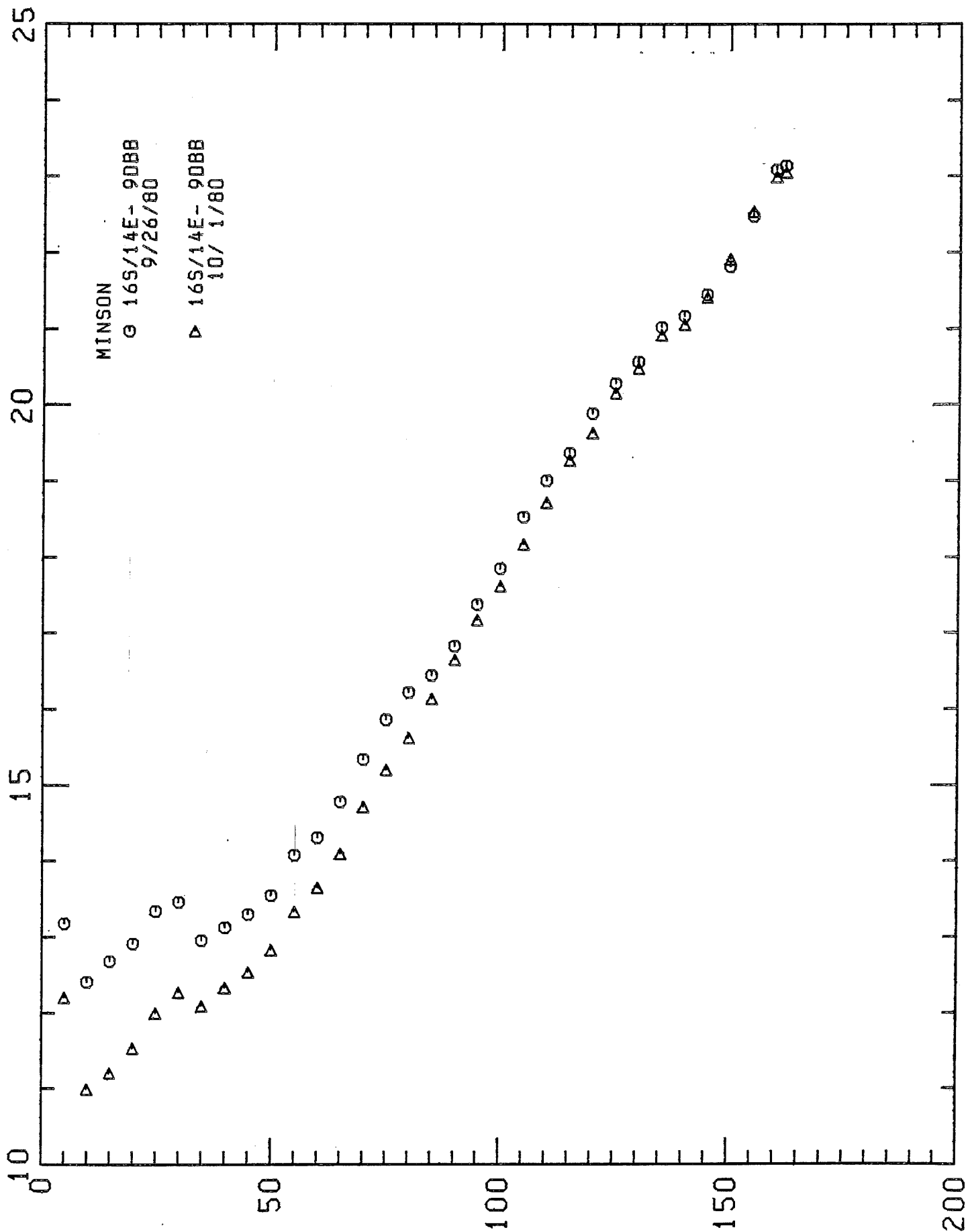
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

16.4	53.96	0.0	0.0
32.8	51.78	-242.0	-13.3
49.2	52.18	44.0	3.4
65.6	52.75	64.0	5.2
82.0	53.60	94.0	2.0
98.4	54.09	54.0	0.0
114.8	53.76	-36.0	0.0
131.2	54.19	48.0	0.0
147.6	54.57	42.0	0.0
164.0	55.09	58.0	0.0
180.4	55.99	100.0	0.0
196.8	56.57	64.0	0.0
213.2	57.38	90.0	0.0
229.6	58.48	122.0	0.0
246.0	59.36	98.0	0.0
262.4	60.12	84.0	0.0
278.8	61.05	104.0	0.0
295.2	61.97	102.0	0.0
311.6	62.91	104.0	0.0
328.0	63.72	90.0	0.0
344.4	64.71	110.0	0.0
360.8	65.70	110.0	0.0
377.2	66.69	110.0	0.0
393.6	67.33	72.0	0.0
410.0	68.29	106.0	0.0
426.4	68.86	64.0	0.0
442.8	69.66	88.0	0.0
459.2	69.91	28.0	0.0
475.6	70.56	72.0	0.0
492.0	71.44	98.0	0.0
508.4	72.57	126.0	0.0
524.8	73.38	90.0	0.0
541.2	73.49	30.0	0.0

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON 16S/14E-15ABC			HOLE NAME: SHIMAY 3		DATE MEASURED: 9/23/80		TEMPERATURE		GEOTHERMAL GRADIENT	
		DEPTH	DEPTH	DEG C	DEG F	DEG C/KM	DEG F/100 FT			
DEPTH	METERS	FEET	DEG C	DEG F	DEG C/KM	DEG F/100 FT				
5.0	16.4	16.4	16.540	61.77	0.0	0.0				
10.0	32.8	32.8	14.720	58.50	-364.0	-20.8				
15.0	49.2	49.2	15.070	59.13	70.0	3.8				
20.0	65.6	65.6	15.530	59.95	92.0	5.5				
25.0	82.0	82.0	16.030	60.85	100.0	5.7				
30.0	98.4	98.4	16.370	61.47	68.0	4.4				
35.0	114.8	114.8	16.770	62.19	80.0	4.5				
40.0	131.2	131.2	17.400	63.32	126.0	5.8				
45.0	147.6	147.6	17.870	64.17	94.0	4.0				
50.0	164.0	164.0	18.310	64.96	88.0	3.8				
55.0	180.4	180.4	18.580	65.44	54.0	3.0				
60.0	196.8	196.8	18.880	65.98	60.0	3.5				
65.0	213.2	213.2	19.110	66.40	46.0	2.4				
70.0	229.6	229.6	19.530	67.15	84.0	5.6				
75.0	246.0	246.0	19.830	67.69	60.0	3.4				
80.0	262.4	262.4	20.140	68.25	62.0	3.4				
85.0	278.8	278.8	20.280	68.50	28.0	1.5				
90.0	295.2	295.2	20.890	69.60	122.0	7.1				
95.0	311.6	311.6	21.260	70.27	74.0	4.1				
100.0	328.0	328.0	21.580	70.84	64.0	3.5				
105.0	344.4	344.4	21.940	71.49	72.0	4.0				
110.0	360.8	360.8	22.250	72.05	62.0	3.3				
115.0	377.2	377.2	22.600	72.68	70.0	3.8				

LOCATION: BEND AVE, OREGON

16S/14E-15ABC

HOLE NAME: SHIMAY 3

DATE MEASURED: 9/25/80

DEPTH DEGREE C TEMPERATURE DEGREE F

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	14.710	58.48	0.0
10.0	13.900	57.02	-162.0
15.0	14.440	57.99	108.0
20.0	14.940	58.89	100.0
25.0	15.420	59.76	96.0
30.0	15.890	60.60	94.0
35.0	16.420	61.56	106.0
40.0	17.230	63.01	162.0
45.0	17.780	64.00	110.0
50.0	18.240	64.83	92.0
55.0	18.540	65.37	60.0
60.0	18.860	65.95	64.0
65.0	19.110	66.40	50.0
70.0	19.490	67.08	76.0
75.0	19.910	67.84	84.0
80.0	20.220	68.40	62.0
85.0	20.600	69.08	76.0
90.0	20.930	69.67	66.0
95.0	21.270	70.29	68.0
100.0	21.590	70.86	64.0
105.0	21.940	71.49	70.0
110.0	22.290	72.12	70.0
115.0	22.610	72.70	64.0

TEMPERATURE, DEG C

25

20

15

10

SHIMWAY 3

○ 16S/14E-15ABC
9/23/80

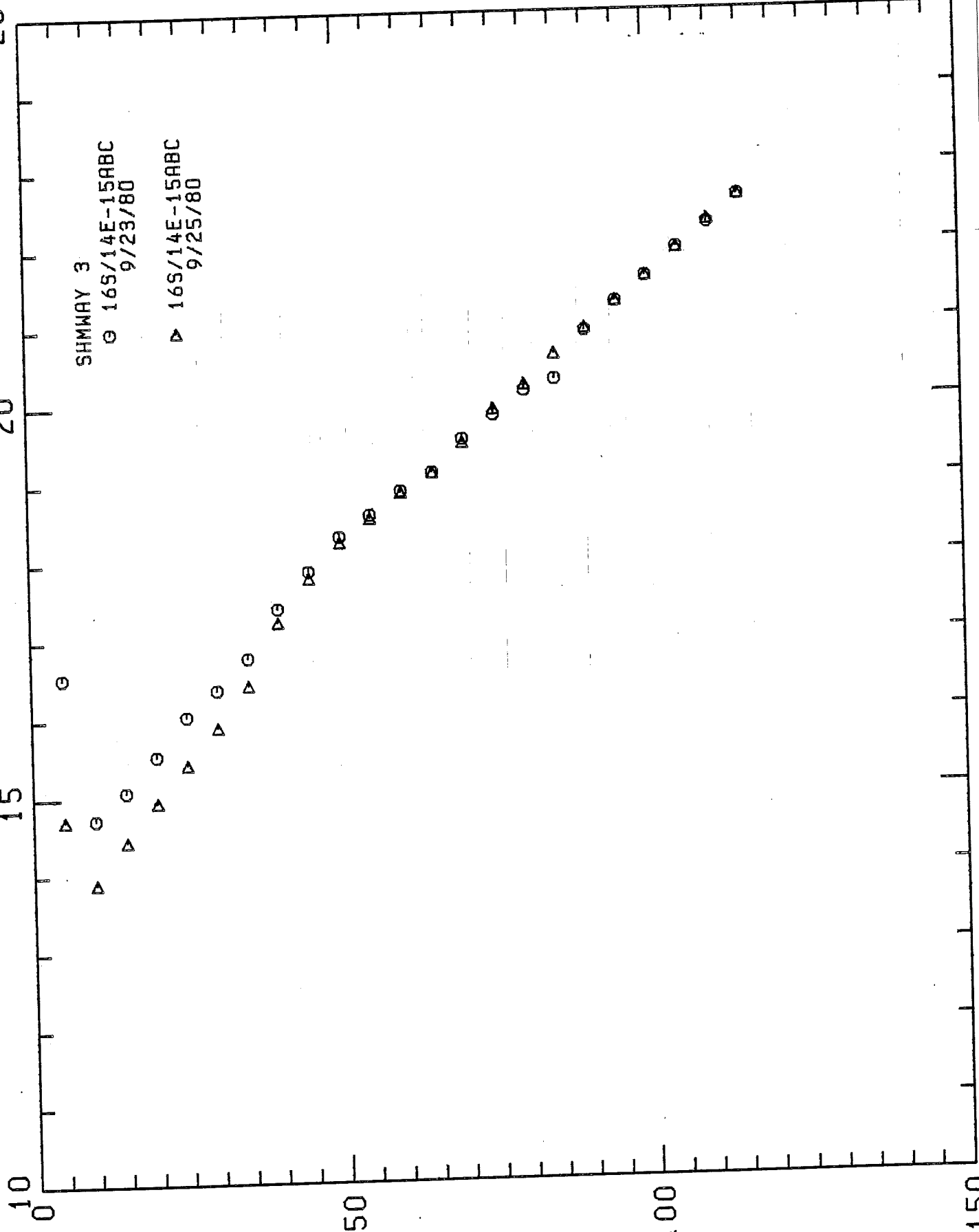
△ 16S/14E-15ABC
9/25/80

DEPTH, METERS

50

100

150



LOCATION: BEND AMS, OREGON

16S/14E-17DDD

HOLE NAME: ST HAY 1

DATE MEASURED: 10/20/80

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	15.959	60.73	0.0	0.0
10.0	15.062	59.11	-179.4	-323.5
15.0	12.924	55.26	-427.6	-781.7
20.0	12.742	54.94	-536.4	-973.5
25.0	12.787	55.02	0.0	0.0
30.0	12.865	55.16	0.0	0.0
35.0	12.906	55.23	0.0	0.0
40.0	12.855	55.14	0.0	0.0
45.0	12.884	55.19	0.0	0.0
50.0	13.036	55.46	0.0	0.0
55.0	13.150	55.67	1.1	2.0
60.0	13.337	56.01	1.1	2.0
65.0	13.508	56.31	1.1	2.0
70.0	13.752	56.75	1.1	2.0
75.0	14.045	57.28	1.1	2.0
80.0	14.409	57.94	1.1	2.0
85.0	14.809	58.66	1.1	2.0
90.0	15.212	59.38	1.1	2.0
95.0	15.663	60.19	1.1	2.0
100.0	16.090	61.16	1.1	2.0
105.0	16.550	61.81	1.1	2.0
110.0	16.931	62.48	1.1	2.0
115.0	17.262	63.07	1.1	2.0
120.0	17.506	63.51	1.1	2.0
125.0	17.625	63.73	1.1	2.0
130.0	17.531	63.56	1.1	2.0
135.0	17.116	62.81	1.1	2.0
140.0	16.559	61.81	1.1	2.0
145.0	16.186	61.13	1.1	2.0
149.7	16.177	61.12	1.1	2.0

LOCATION: BEND AMS, OREGON
16S/14E-17DDD

HOLE NAME: ST HWY 1
DATE MEASURED: 11/25/80

DEPTH
FEET

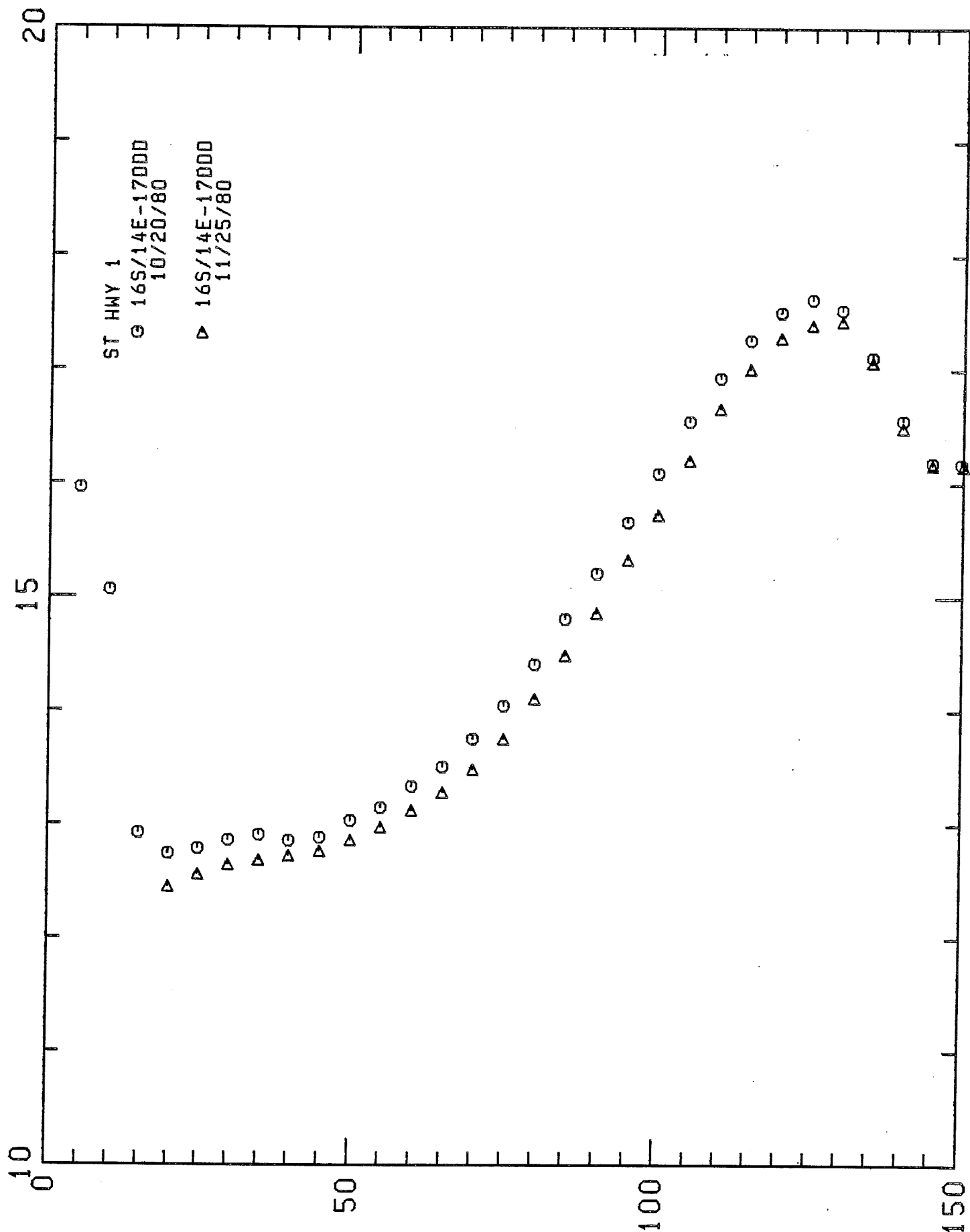
DEPTH
METERS

65.6	12.450	54.41
82.0	12.560	54.61
98.4	12.645	54.76
114.8	12.685	54.83
131.2	12.725	54.90
147.6	12.765	54.98
164.0	12.865	55.16
180.4	12.975	55.35
196.8	13.125	55.62
213.2	13.285	55.91
229.6	13.485	56.27
246.0	13.755	56.76
262.4	14.110	57.40
278.8	14.490	58.08
295.2	14.860	58.75
311.6	15.330	59.59
328.0	15.725	60.31
344.4	16.205	61.17
360.8	16.665	62.00
377.2	17.010	62.62
393.6	17.285	63.11
410.0	17.400	63.32
426.4	17.435	63.38
442.8	17.075	62.74
459.2	16.495	61.69
475.6	16.170	61.11
492.0	16.160	61.09

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.2
22.0	1.5
17.0	0.4
8.0	0.4
8.0	0.4
8.0	0.4
20.0	1.1
22.0	1.2
30.0	1.6
32.0	1.8
40.0	2.2
54.0	3.0
71.0	3.3
76.0	4.2
74.0	2.1
94.0	2.3
79.0	3.3
96.0	5.0
92.0	3.8
69.0	3.0
55.0	1.3
23.0	0.4
7.0	0.4
-12.0	-4.0
-16.0	-5.4
-2.0	-0.1

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
16S/14E-21DAB

HOLE NAME: SHIMAY 2

DATE MEASURED: 9/23/80

DEPTH
FEET

DEPTH
METERS

16.4	13.000	55.40
32.8	13.710	56.58
49.2	14.290	57.72
65.6	14.980	58.96
82.0	15.700	60.26
98.4	16.530	61.75
114.8	17.470	63.45
131.2	17.570	63.63
147.6	18.120	64.62
164.0	18.790	65.82
180.4	19.320	66.78
196.8	19.990	67.98
213.2	20.580	69.04
229.6	21.270	70.29
246.0	21.760	71.17
262.4	22.380	72.28
278.8	22.750	72.95
295.2	23.210	73.78
311.6	23.740	74.73
328.0	24.110	75.40
344.4	24.650	76.37
360.8	25.380	77.68
377.2	25.800	78.44
393.6	26.100	78.98
410.0	26.640	79.95
426.4	27.050	80.69
439.5	27.420	81.36

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.0
142.0	7.8
116.0	6.4
138.0	6.5
144.0	7.9
166.0	9.1
188.0	10.3
20.0	1.1
110.0	6.0
134.0	7.4
106.0	5.8
134.0	7.4
118.0	6.5
138.0	5.4
98.0	5.6
124.0	6.8
74.0	4.1
92.0	5.0
106.0	5.8
74.0	4.1
108.0	5.9
146.0	8.0
84.0	4.6
60.0	3.3
108.0	5.3
82.0	4.5
92.5	5.1

LOCATION: BEND AMS, OREGON

HOLE NAME: 16S/14E-21DAB

DATE MEASURED: 10/ 3/80

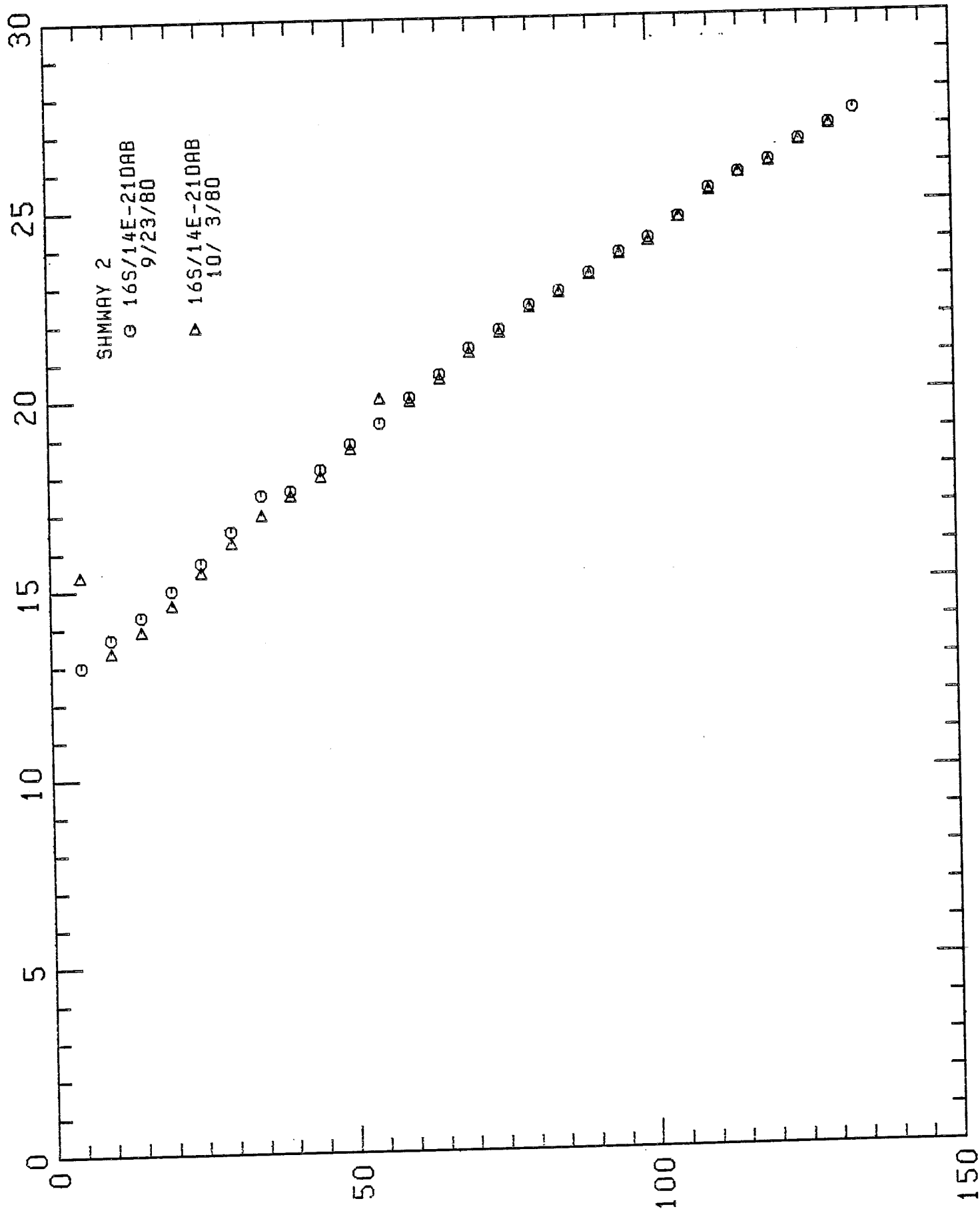
DEPTH TEMPERATURE
FEET DEG C

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	15.400	59.72	0.0	0.0
10.0	13.370	56.07	-406.0	-22.3
15.0	13.920	57.06	110.0	6.0
20.0	14.600	58.28	136.0	7.5
25.0	15.470	59.85	174.0	9.5
30.0	16.240	61.23	154.0	8.7
35.0	16.960	62.53	144.0	9.4
40.0	17.450	63.41	98.0	5.5
45.0	17.950	64.31	100.0	5.9
50.0	18.670	65.61	144.0	5.5
55.0	19.990	67.98	264.0	14.5
60.0	19.900	67.82	116.0	-1.0
65.0	20.480	68.86	138.0	6.7
70.0	21.170	70.11	104.0	5.7
75.0	21.690	71.04	130.0	7.1
80.0	22.340	72.21	74.0	1.1
85.0	22.710	72.88	94.0	2.7
90.0	23.180	73.72	104.0	5.9
95.0	23.700	74.66	56.0	6.0
100.0	24.030	75.25	124.0	6.0
105.0	24.650	76.37	138.0	7.5
110.0	25.340	77.61	55.0	4.9
115.0	25.800	78.44	108.0	5.5
120.0	26.080	78.94	82.0	4.5
125.0	26.620	79.92		
130.0	27.030	80.65		

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

HOLE NAME: 16S/14E-27ABA

DATE MEASURED: 9/15/80

SHIMWAY 1

DEPTH METERS

DEPTH FEET

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
5.0	16.4	13.190	55.74
10.0	32.8	12.930	55.27
15.0	49.2	13.460	56.23
20.0	65.6	14.060	57.31
25.0	82.0	15.070	59.13
30.0	98.4	15.350	59.63
35.0	114.8	15.620	60.12
40.0	131.2	16.120	61.02
45.0	147.6	16.560	61.81
50.0	164.0	16.770	62.19
55.0	180.4	17.310	63.16
60.0	196.8	17.680	63.82
65.0	213.2	18.040	64.47
70.0	229.6	18.480	65.26
75.0	246.0	18.820	65.68
80.0	262.4	18.980	66.16
85.0	278.8	19.510	67.12
90.0	295.2	19.820	67.68
95.0	311.6	19.990	67.98
100.0	328.0	20.180	68.32
105.0	344.4	20.370	68.67
108.0	354.2	20.480	68.86

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.0
-52.0	-2.9
106.0	-5.8
120.0	6.6
202.0	11.1
56.0	3.1
54.0	3.0
100.0	5.4
88.0	5.8
42.0	2.5
108.0	5.1
74.0	4.0
72.0	4.1
88.0	4.8
68.0	3.7
32.0	3.1
106.0	5.8
62.0	4.9
34.0	1.1
38.0	1.1
38.0	2.2
36.7	2.0

LOCATION: BEND AMS, OREGON
16S/14E-27ABA

HOLE NAME: SHIMAY 1

DATE MEASURED: 9/23/80

TEMPERATURE
DEG C DEG F

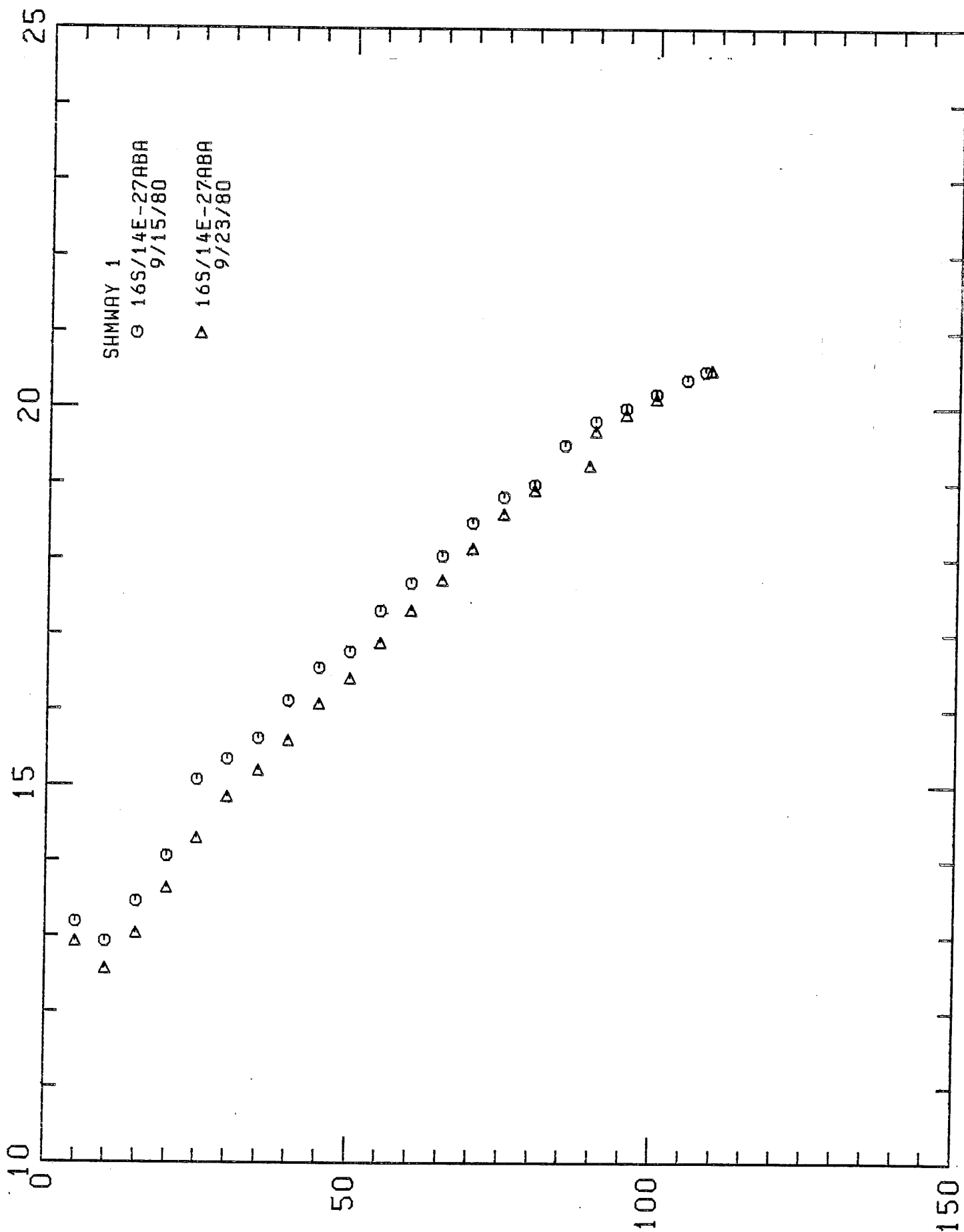
DEPTH
FEET

5.0	16.4	12.930	55.27
10.0	32.8	12.570	54.63
15.0	49.2	13.040	55.47
20.0	65.6	13.640	56.55
25.0	82.0	14.300	57.74
30.0	98.4	14.850	58.73
35.0	114.8	15.200	59.36
40.0	131.2	15.600	60.08
45.0	147.6	16.090	60.96
50.0	164.0	16.420	61.56
55.0	180.4	16.890	62.40
60.0	196.8	17.320	63.18
65.0	213.2	17.720	63.90
70.0	229.6	18.140	64.65
75.0	246.0	18.600	65.48
80.0	262.4	19.510	66.04
85.0	291.9	19.240	66.63
90.0	295.2	19.690	67.44
95.0	311.6	19.920	67.86
100.0	328.0	20.120	68.22
109.0	357.5	20.500	68.90

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.0
-72.0	-4.0
94.0	5.2
120.0	6.6
132.0	7.2
110.0	6.0
70.0	3.8
80.0	4.4
98.0	5.4
66.0	3.6
94.0	5.2
86.0	4.7
80.0	4.4
84.0	4.6
92.0	5.0
62.0	3.4
36.7	2.0
450.0	24.7
46.0	5.5
40.0	3.3
42.2	3.3

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
16S/14E-350A

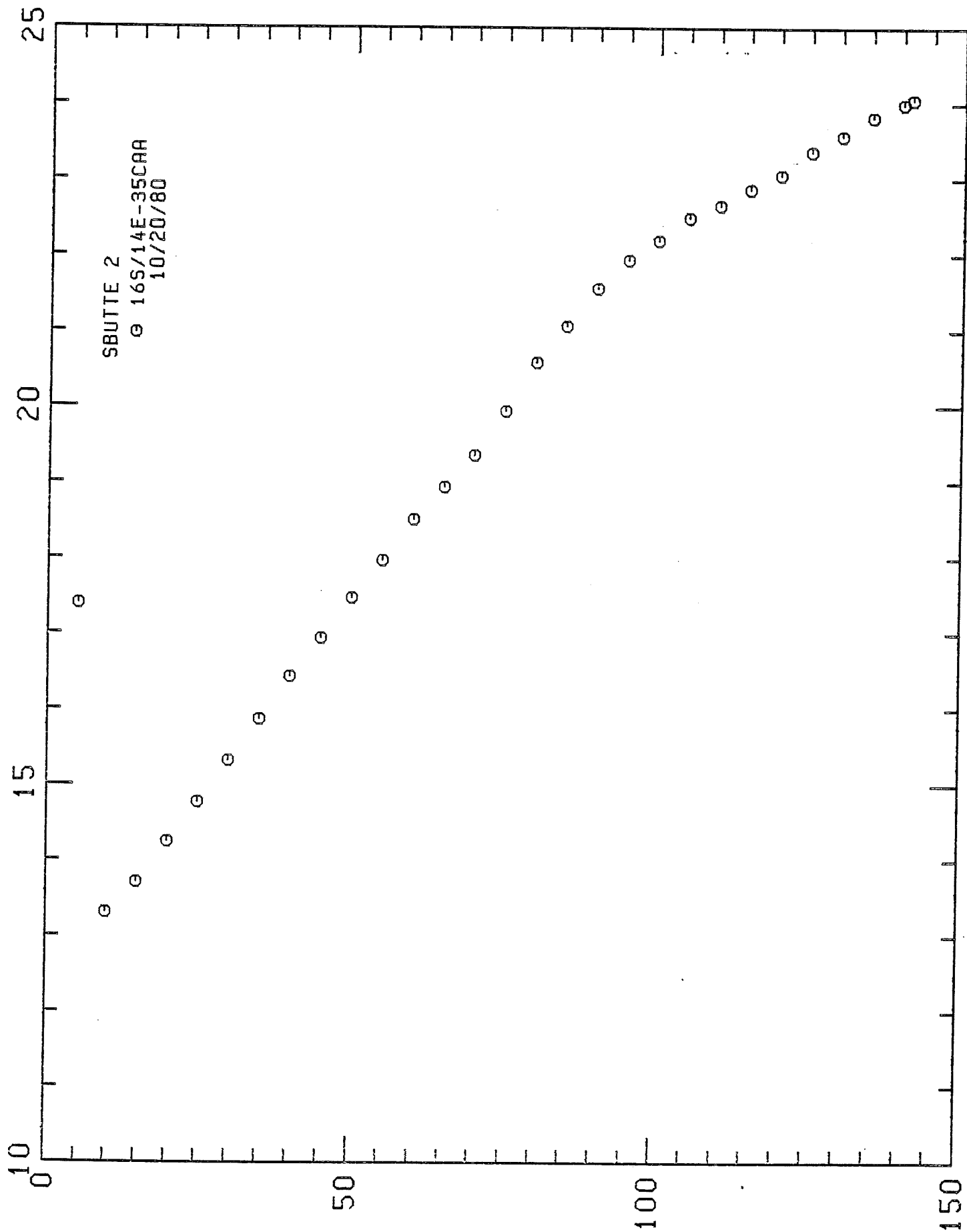
HOLE NAME: SBUTTE 2
DATE MEASURED: 10/20/80

DEPTH METERS	DEPTH FEET	TEMPERATURE	
		DEG C	DEG F
5.0	16.4	17.394	63.31
10.0	32.8	13.310	55.96
15.0	49.2	13.708	56.67
20.0	65.6	14.253	57.66
25.0	82.0	14.778	58.60
30.0	98.4	15.323	59.58
35.0	114.8	15.875	60.57
40.0	131.2	16.438	61.59
45.0	147.6	16.941	62.49
50.0	164.0	17.478	63.46
55.0	180.4	17.971	64.35
60.0	196.8	18.513	65.32
65.0	213.2	18.943	66.10
70.0	229.6	19.358	66.84
75.0	246.0	19.943	67.90
80.0	262.4	20.587	69.06
85.0	278.8	21.062	69.91
90.0	295.2	21.566	70.82
95.0	311.6	21.939	71.49
100.0	328.0	22.197	71.95
105.0	344.4	22.495	72.49
110.0	360.8	22.663	72.79
115.0	377.2	22.878	73.18
120.0	393.6	23.064	73.52
125.0	410.0	23.375	74.07
130.0	426.4	23.579	74.44
135.0	442.8	23.828	74.89
140.0	459.2	23.997	75.19
141.5	464.1	24.057	75.30

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	0.0
-44.8	-44.8
4.4	4.4
6.0	6.0
6.0	6.0
6.1	6.1
6.2	6.2
5.9	5.9
5.4	5.4
5.9	5.9
4.7	4.7
4.6	4.6
4.4	4.4
6.4	6.4
7.1	7.1
5.5	5.5
5.4	5.4
2.5	2.5
1.8	1.8
3.3	3.3
3.4	3.4
0.4	0.4
2.4	2.4
2.7	2.7
2.3	2.3

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
16S/15E-20CBA

HOLE NAME: SHUTTE 1

DATE MEASURED: 10/20/80

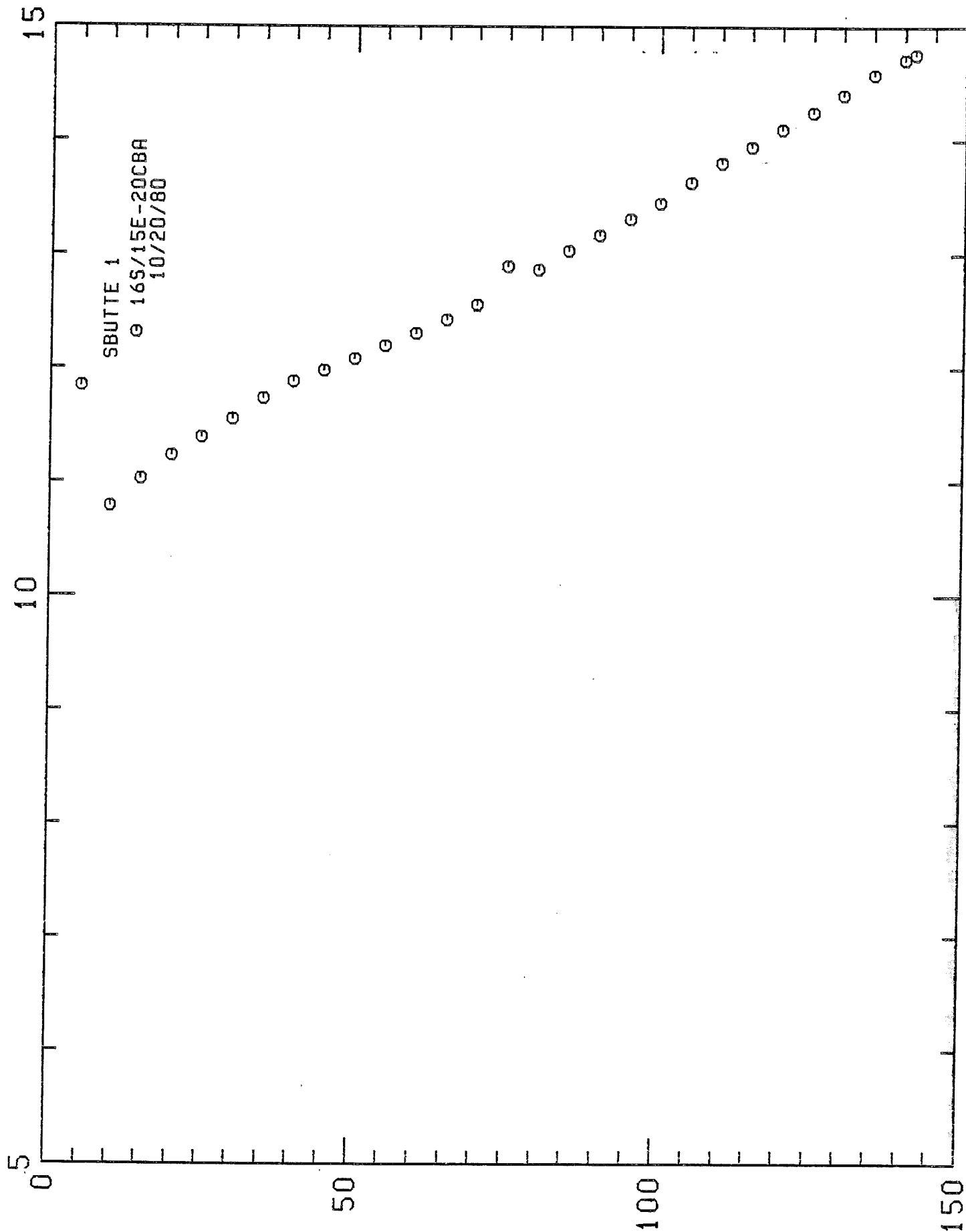
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	11.843	53.32	0.0	0.0
10.0	10.790	51.42	-210.6	-11.6
15.0	11.031	51.86	48.6	2.6
20.0	11.234	52.22	40.6	2.8
25.0	11.397	52.51	32.6	1.8
30.0	11.554	52.80	31.4	1.7
35.0	11.736	53.12	36.4	2.0
40.0	11.888	53.40	30.4	1.7
45.0	11.982	53.57	18.8	1.0
50.0	12.088	53.76	21.6	2.2
55.0	12.201	53.96	21.6	2.2
60.0	12.309	54.16	21.6	2.2
65.0	12.428	54.37	1.4	0.3
70.0	12.559	54.61	1.4	0.3
75.0	12.899	55.22	3.7	0.6
80.0	12.870	55.17	0.0	0.0
85.0	13.034	55.46	1.5	0.3
90.0	13.172	55.71	1.5	0.3
95.0	13.312	55.96	1.5	0.3
100.0	13.453	56.22	1.5	0.3
105.0	13.633	56.54	1.5	0.3
110.0	13.808	56.85	1.5	0.3
115.0	13.949	57.11	1.5	0.3
120.0	14.102	57.38	1.5	0.3
125.0	14.251	57.65	1.5	0.3
130.0	14.408	57.93	1.5	0.3
135.0	14.580	58.24	1.5	0.3
140.0	14.717	58.49	1.5	0.3
141.7	14.759	58.57	1.5	0.3

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
16S/15E-29CDD

HOLE NAME: SHIMAY W

DATE MEASURED: 9/24/80

TEMPERATURE

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	13.940	57.09	0.0	0.0
10.0	32.8	13.110	55.60	-166.0	-9.1
15.0	49.2	12.650	54.77	-92.0	-5.0
20.0	65.6	12.940	55.39	58.0	3.2
25.0	82.0	13.550	56.39	122.0	6.7
30.0	98.4	14.190	57.54	128.0	7.0
35.0	114.8	14.780	58.60	118.0	6.5
40.0	131.2	15.260	59.47	96.0	5.3
45.0	147.6	15.760	60.37	100.0	5.5
50.0	164.0	16.320	61.38	112.0	5.1
55.0	180.4	16.850	62.33	106.0	5.8
60.0	196.8	17.410	63.34	112.0	5.1
65.0	213.2	17.900	64.22	98.0	4.4
70.0	229.6	18.540	65.37	128.0	7.0
75.0	246.0	19.130	66.43	118.0	5.5
80.0	262.4	19.520	67.14	78.0	4.3
85.0	278.8	19.960	67.93	88.0	4.8
90.0	295.2	20.360	68.65	80.0	4.4
95.0	311.6	20.820	69.48	92.0	5.0
96.5	316.5	20.870	69.57	33.3	1.8

LOCATION: BEND AMS, OREGON

HOLE NAME: 165/15E-29CDD

DATE MEASURED: 10/20/80

TEMPERATURE

DEPT C

DEPT F

DEPTH

FEET

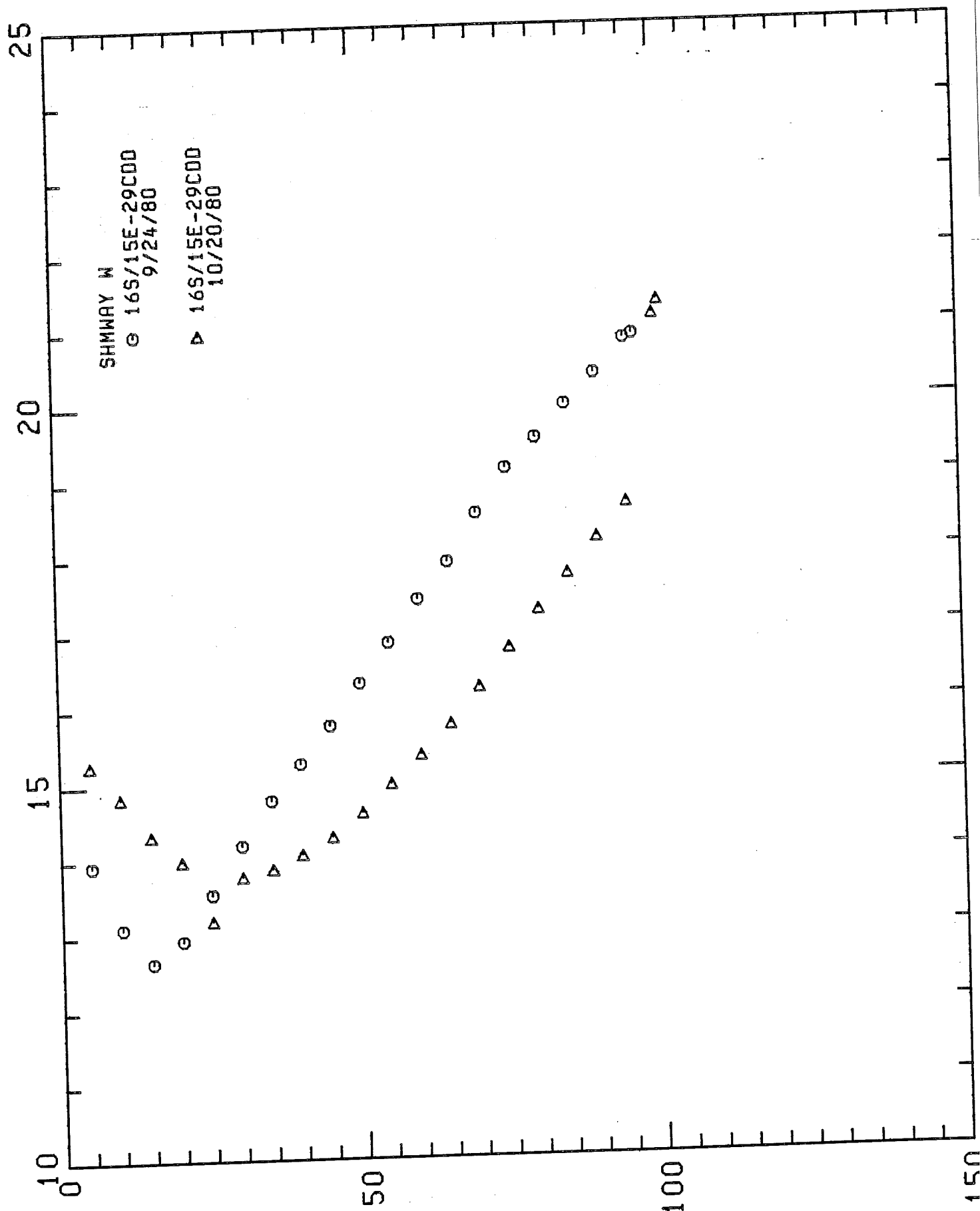
DEPTH

METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	15.4	15.276	59.50	0.0	0.0
10.0	32.8	14.839	58.71	-87.4	0.4
15.0	49.2	14.339	57.81	-100.0	5.5
20.0	65.6	13.993	57.19	-59.2	3.0
25.0	82.0	13.200	55.76	-158.6	0.7
30.0	98.4	13.780	56.80	116.0	4.4
35.0	114.8	13.877	56.98	19.4	1.1
40.0	131.2	14.060	57.31	36.6	0.5
45.0	147.6	14.288	57.72	45.6	0.5
50.0	164.0	14.605	58.29	63.4	0.5
55.0	180.4	14.977	58.96	74.4	1.1
60.0	196.8	15.357	59.64	76.0	2.4
65.0	213.2	15.760	60.37	80.6	4.4
70.0	229.6	16.236	61.22	95.2	2.6
75.0	246.0	16.750	62.15	102.8	2.6
80.0	262.4	17.249	63.05	99.8	2.6
85.0	278.8	17.723	63.90	94.8	2.6
90.0	295.2	18.194	64.75	94.2	2.6
95.0	311.6	18.649	65.57	91.0	0.9
100.0	328.0	21.132	70.04	496.6	27.3
100.8	330.6	21.314	70.37	227.5	12.5

TEMPERATURE, DEG C



DEPTH, METERS

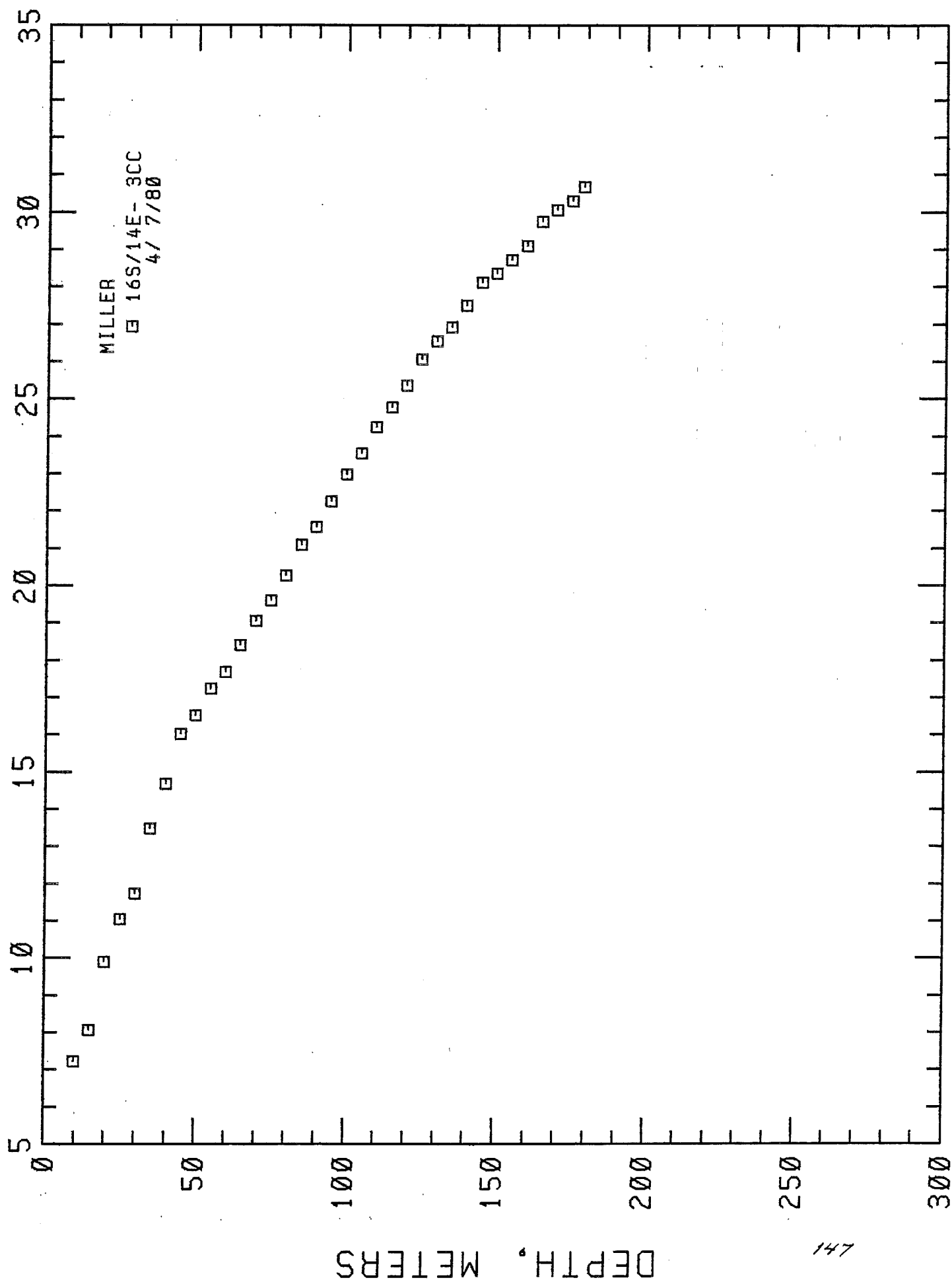
LOCATION: BEND AMS, OREGON

HOLE NAME: MILLER

DATE MEASURED: 4/7/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	7.230	45.01	0.0	0.0
15.0	49.2	8.070	46.53	168.0	9.2
20.0	65.6	9.910	49.84	368.0	20.2
25.0	82.0	11.050	51.89	228.0	12.5
30.0	98.4	11.740	53.13	138.0	7.6
35.0	114.8	13.490	56.28	350.0	19.2
40.0	131.2	14.690	58.44	240.0	13.2
45.0	147.6	16.020	60.84	266.0	14.6
50.0	164.0	16.520	61.74	100.0	5.5
55.0	180.4	17.240	63.03	144.0	7.9
60.0	196.8	17.680	63.82	88.0	4.8
65.0	213.2	18.410	65.14	146.0	8.0
70.0	229.6	19.050	66.29	128.0	7.0
75.0	246.0	19.610	67.30	112.0	6.1
80.0	262.4	20.280	68.50	134.0	7.4
85.0	278.8	21.090	69.96	162.0	8.9
90.0	295.2	21.580	70.84	98.0	5.4
95.0	311.6	22.270	72.09	138.0	7.9
100.0	328.0	22.990	73.38	144.0	7.9
105.0	344.4	23.550	74.39	112.0	6.1
110.0	360.8	24.260	75.67	142.0	7.8
115.0	377.2	24.780	76.60	104.0	5.7
120.0	393.6	25.360	77.65	116.0	6.4
125.0	410.0	26.060	78.91	140.0	7.7
130.0	426.4	26.550	79.79	98.0	5.4
135.0	442.8	26.930	80.47	76.0	4.2
140.0	459.2	27.500	81.50	114.0	6.3
145.0	475.6	28.120	82.62	124.0	6.8
150.0	492.0	28.370	83.07	50.0	2.7
155.0	508.4	28.720	83.70	70.0	3.8
160.0	524.8	29.110	84.40	78.0	4.3
165.0	541.2	29.760	85.57	130.0	7.1
170.0	557.6	30.070	86.13	62.0	3.4
175.0	574.0	30.310	86.56	48.0	2.6
179.0	587.1	30.680	87.22	92.5	5.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

165/14E-4ND

HOLE NAME: SCHOOLHS

DATE MEASURED: 8/13/80

TEMPERATURE

DEPT F

DEPTH
METERS

10.0
15.0
20.0

32.8
49.2
65.6

11.630
12.500
13.550

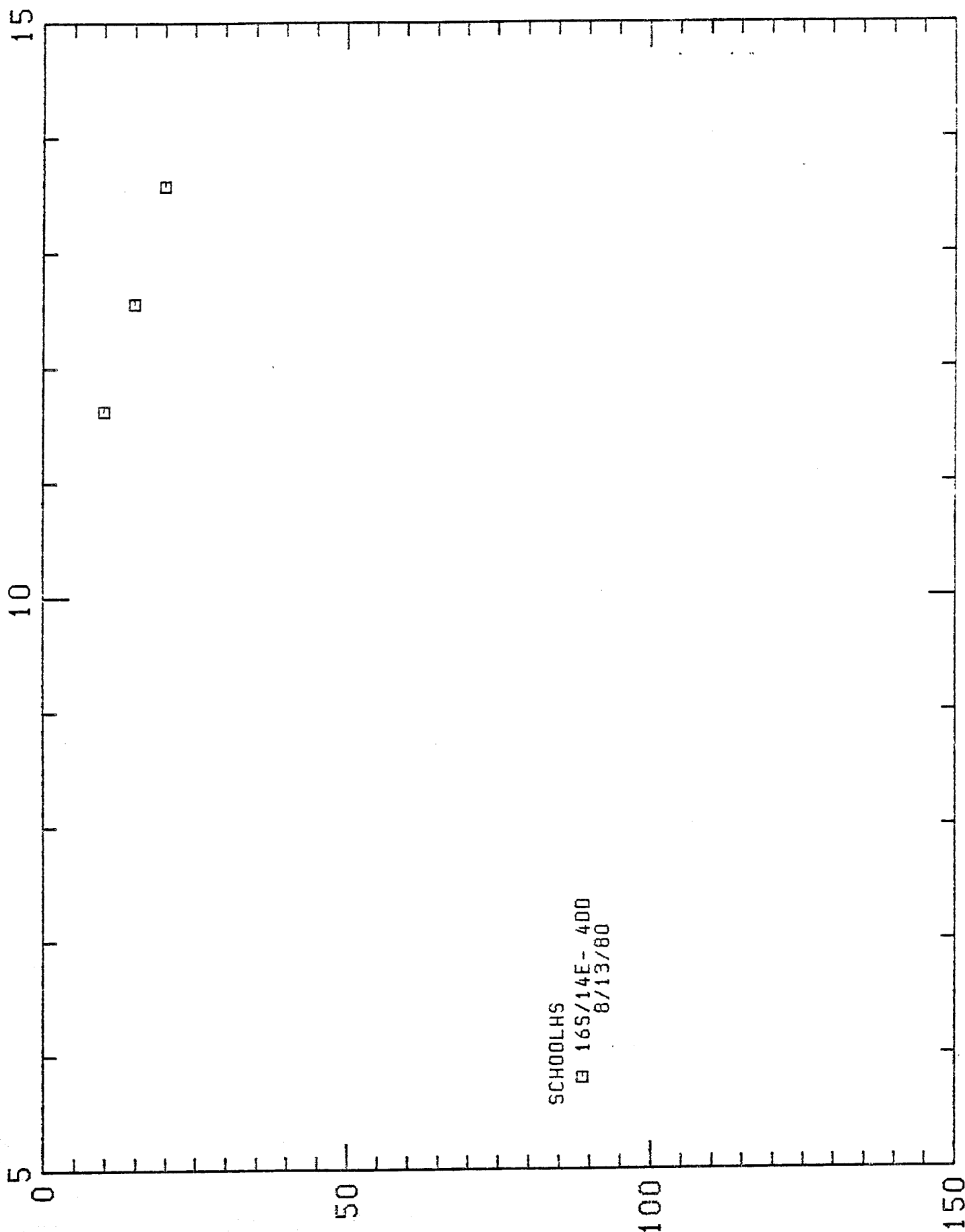
52.90
54.61
56.44

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0
106.0
204.0

0.0
10.2
11.2

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

16S/14E-10AB

HOLE NAME: POWBUTNA

DATE MEASURED: 4/ 8/80

TEMPERATURE

DEG C DEG F

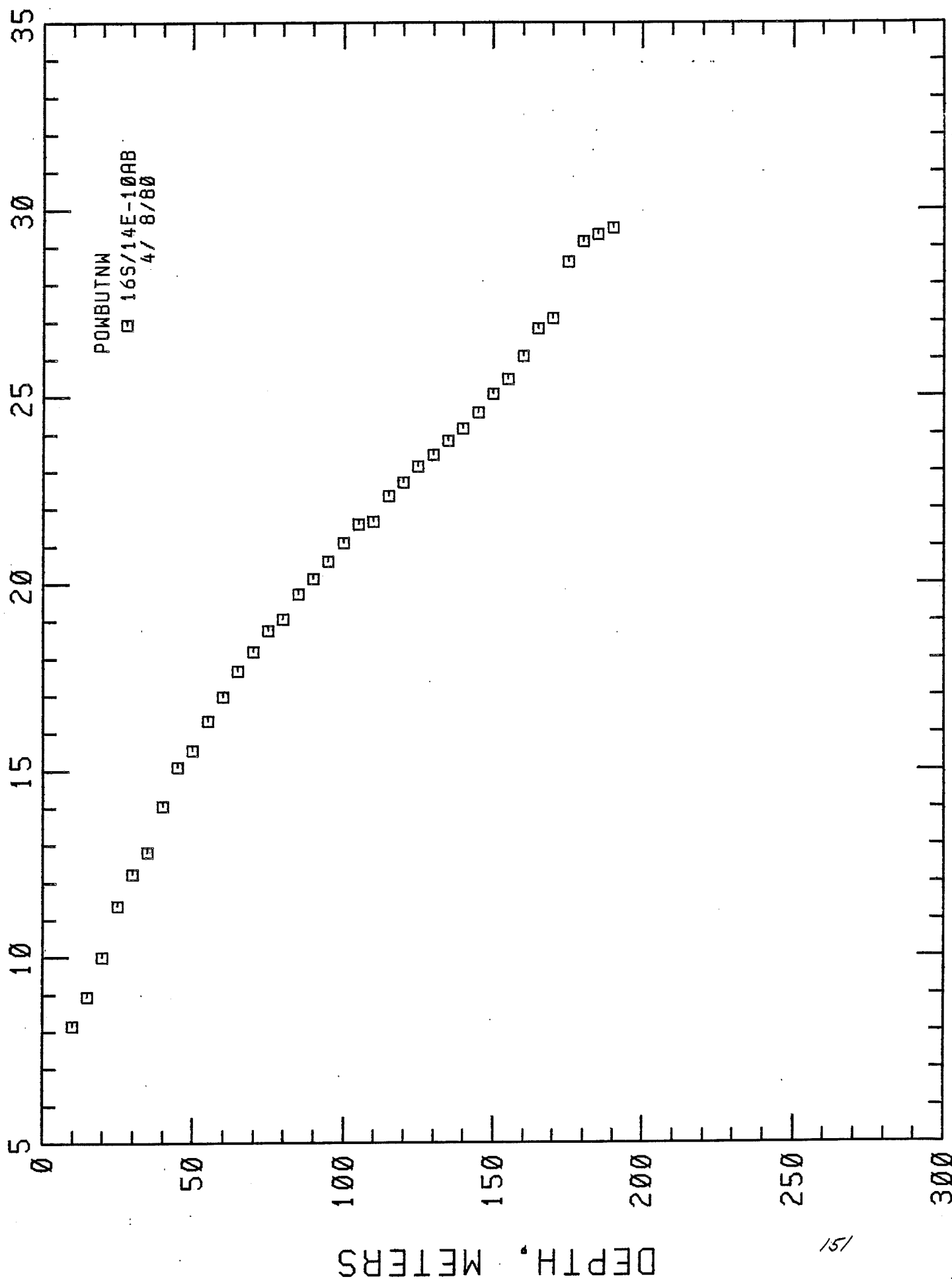
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	8.150	46.67	0.0	0.0
15.0	49.2	8.940	48.09	158.0	8.7
20.0	65.6	10.010	50.02	214.0	11.7
25.0	82.0	11.370	52.47	272.0	14.9
30.0	98.4	12.240	54.03	174.0	9.5
35.0	114.8	12.810	55.06	114.0	6.3
40.0	131.2	14.050	57.29	248.0	13.6
45.0	147.6	15.100	59.18	210.0	11.5
50.0	164.0	15.550	59.99	90.0	4.9
55.0	180.4	16.330	61.39	156.0	8.6
60.0	196.8	16.990	62.58	132.0	7.2
65.0	213.2	17.660	63.79	134.0	7.4
70.0	229.6	18.190	64.74	106.0	5.8
75.0	246.0	18.740	65.73	110.0	6.0
80.0	262.4	19.060	66.31	64.0	3.5
85.0	278.8	19.720	67.50	132.0	7.2
90.0	295.2	20.130	68.23	82.0	4.5
95.0	311.6	20.600	69.08	94.0	5.5
100.0	328.0	21.100	69.98	100.0	5.8
105.0	344.4	21.600	70.88	100.0	5.8
110.0	360.8	21.670	71.01	14.0	0.7
115.0	377.2	22.340	72.21	134.0	7.4
120.0	393.6	22.700	72.86	72.0	4.0
125.0	410.0	23.140	73.65	88.0	4.8
130.0	426.4	23.440	74.19	60.0	3.3
135.0	442.8	23.820	74.88	76.0	4.2
140.0	459.2	24.150	75.47	66.0	3.6
145.0	475.6	24.570	76.23	84.0	4.6
150.0	492.0	25.080	77.14	102.0	5.6
155.0	508.4	25.470	77.85	78.0	4.3
160.0	524.8	26.090	78.96	124.0	6.8
165.0	541.2	26.820	80.28	146.0	8.0
170.0	557.6	27.100	80.78	56.0	3.1
175.0	574.0	28.600	83.48	300.0	16.5
180.0	590.4	29.150	84.47	110.0	6.0
185.0	606.8	29.350	84.83	40.0	2.2
190.0	623.2	29.510	85.12	32.0	1.8

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

16S/14E-10BA

HOLE NAME: JENSEN

DATE MEASURED: 8/ 8/80

TEMPERATURE

DEG C

DEG F

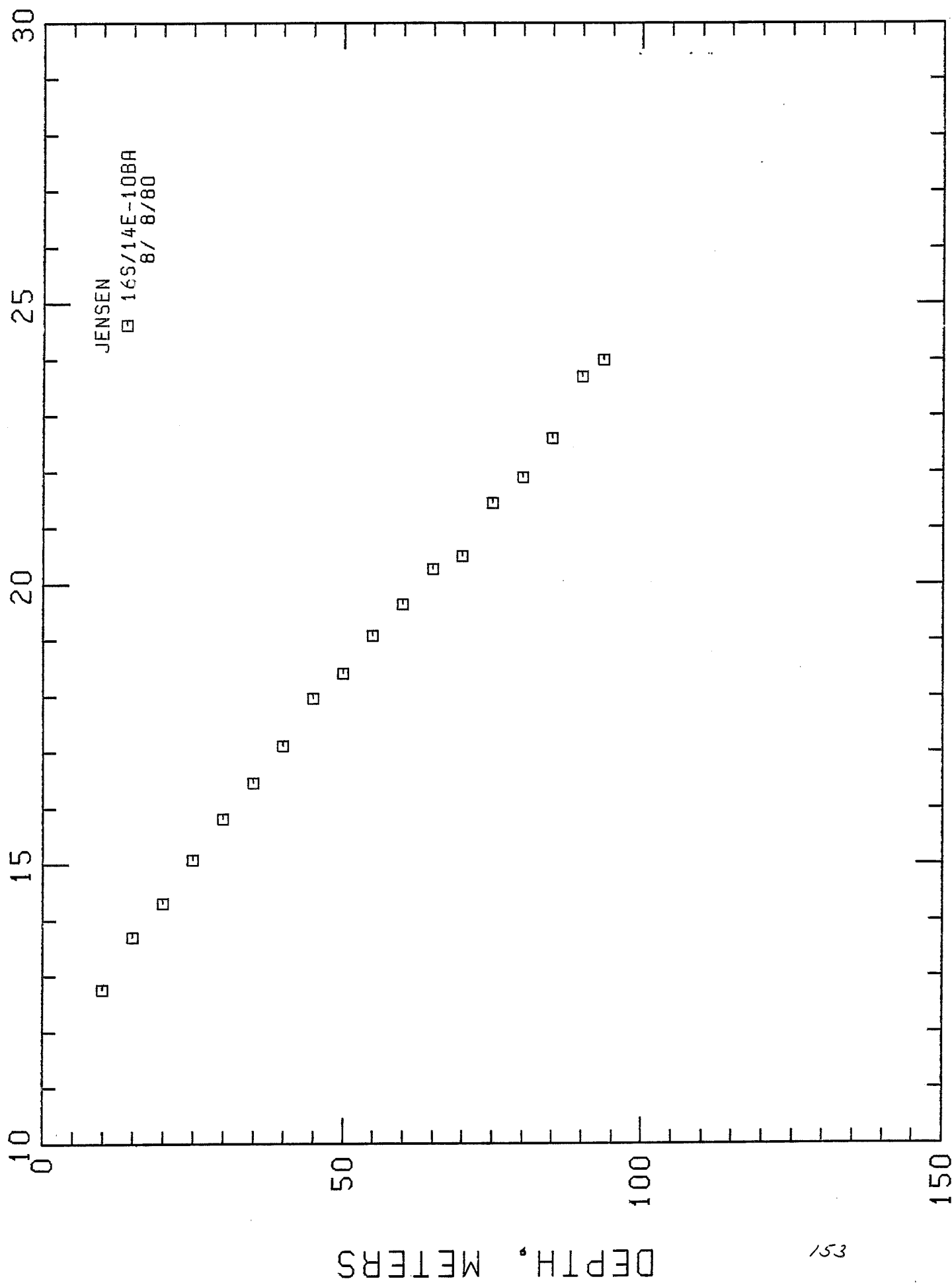
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	12.770	54.99	0.0	0.0
15.0	49.2	13.700	56.66	186.0	10.2
20.0	65.6	14.310	57.76	122.0	6.7
25.0	82.0	15.090	59.16	156.0	8.6
30.0	98.4	15.820	60.48	146.0	8.0
35.0	114.8	16.460	61.63	128.0	7.0
40.0	131.2	17.120	62.82	132.0	7.2
45.0	147.6	17.960	64.33	168.0	9.2
50.0	164.0	18.410	65.14	90.0	4.9
55.0	180.4	19.080	66.34	134.0	7.4
60.0	196.8	19.650	67.37	114.0	6.3
65.0	213.2	20.270	68.49	124.0	6.8
70.0	229.6	20.500	68.90	46.0	2.5
75.0	246.0	21.450	70.61	190.0	10.4
80.0	262.4	21.910	71.44	92.0	5.0
85.0	278.8	22.600	72.58	138.0	7.6
90.0	295.2	23.700	74.66	220.0	12.1
93.5	306.7	24.000	75.20	85.7	4.7

TEMPERATURE, DEG C



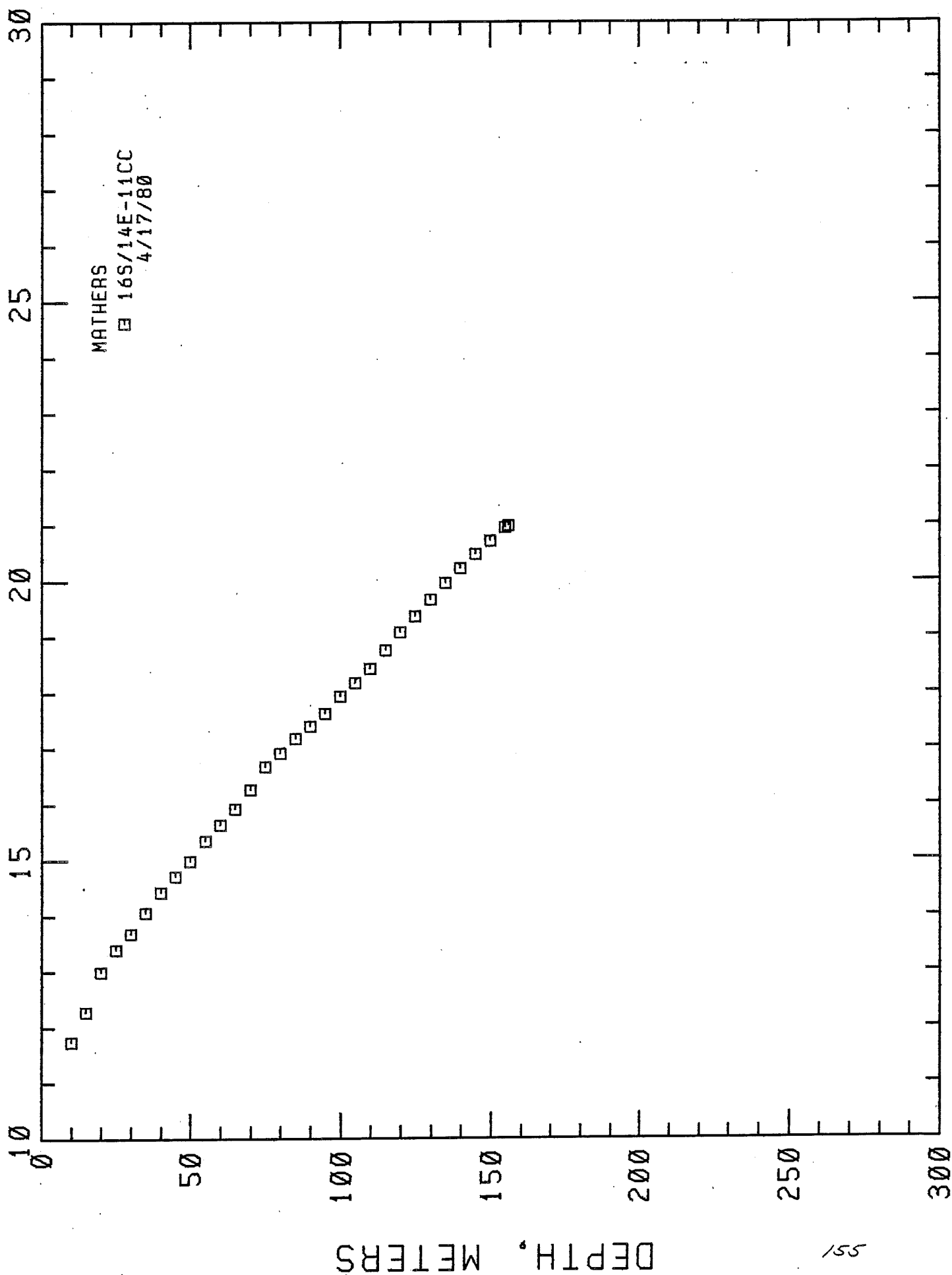
LOCATION: BEND AMS, OREGON
16S/14E-11C

HOLE NAME: MATHERS

DATE MEASURED: 4/17/80

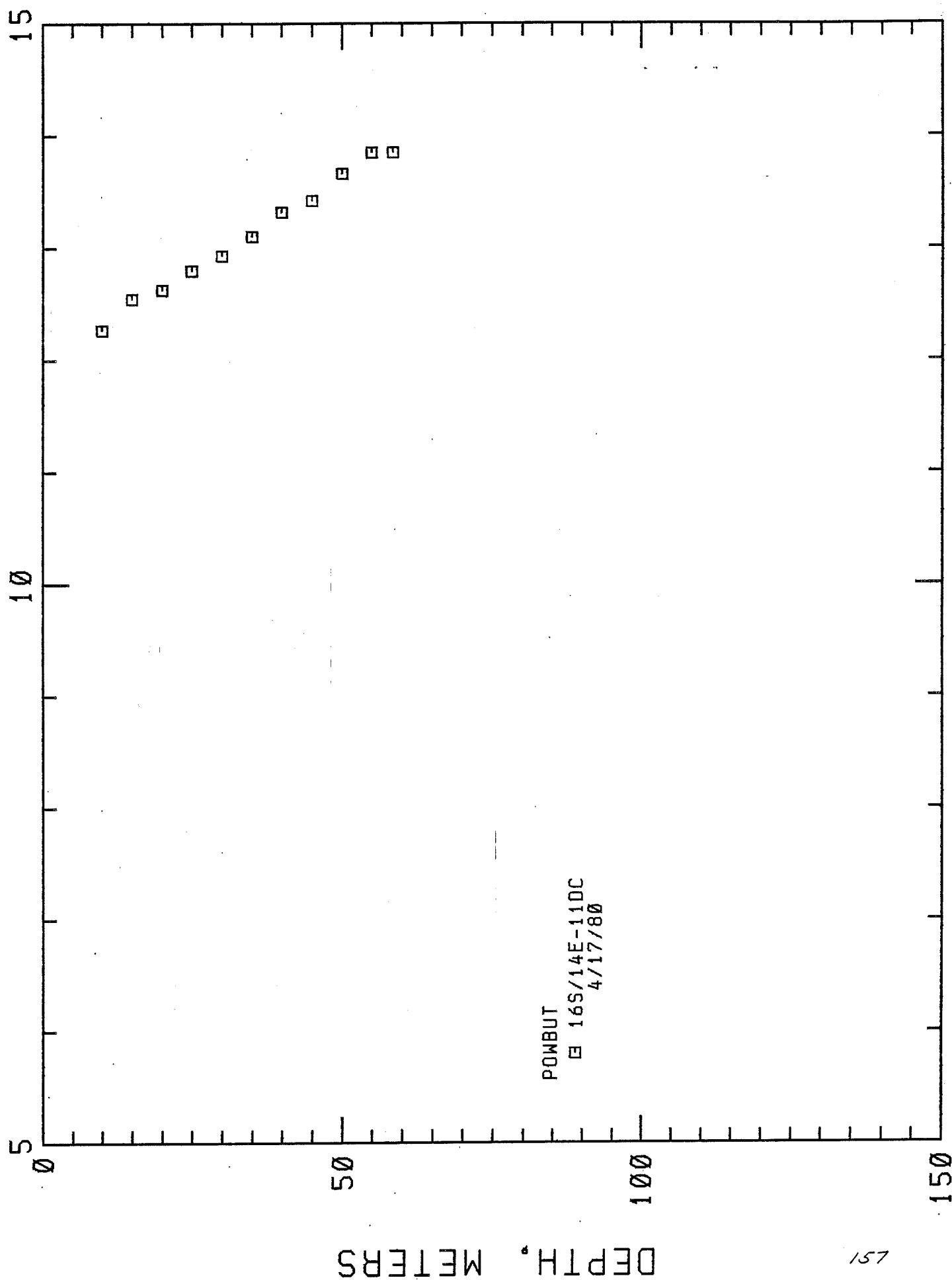
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
10.0	32.8	11.750	53.15	0.0	0.0
15.0	49.2	12.290	54.12	108.0	5.9
20.0	65.6	13.000	55.40	142.0	7.8
25.0	82.0	13.410	56.14	82.0	4.5
30.0	98.4	13.690	56.64	56.0	3.1
35.0	114.8	14.070	57.33	76.0	4.2
40.0	131.2	14.430	57.97	72.0	4.0
45.0	147.6	14.720	58.50	58.0	3.2
50.0	164.0	14.990	58.98	54.0	3.0
55.0	180.4	15.360	59.65	74.0	4.1
60.0	196.8	15.650	60.17	58.0	3.2
65.0	213.2	15.930	60.67	56.0	3.1
70.0	229.6	16.270	61.29	68.0	3.7
75.0	246.0	16.690	62.04	84.0	4.6
80.0	262.4	16.920	62.46	46.0	2.5
85.0	278.8	17.190	62.94	54.0	3.0
90.0	295.2	17.410	63.34	44.0	2.4
95.0	311.6	17.630	63.73	44.0	2.4
100.0	328.0	17.940	64.29	62.0	3.4
105.0	344.4	18.180	64.72	48.0	2.6
110.0	360.8	18.430	65.17	50.0	2.7
115.0	377.2	18.770	65.79	68.0	3.7
120.0	393.6	19.090	66.36	64.0	3.5
125.0	410.0	19.370	66.87	56.0	3.1
130.0	426.4	19.670	67.41	60.0	3.3
135.0	442.8	19.970	67.95	60.0	3.3
140.0	459.2	20.230	68.41	52.0	2.9
145.0	475.6	20.480	68.86	50.0	2.7
150.0	492.0	20.720	69.30	48.0	2.6
155.0	508.4	20.960	69.73	48.0	2.6
156.0	511.7	20.990	69.78	30.0	1.6

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON 16S/14E-11DC					
HOLE NAME: POWBUT					
DATE MEASURED: 4/17/80					
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
10.0	32.8	12.270	54.09	0.0	0.0
15.0	49.2	12.550	54.59	56.0	3.1
20.0	65.6	12.630	54.73	16.0	0.9
25.0	82.0	12.800	55.04	34.0	1.9
30.0	98.4	12.930	55.27	26.0	1.4
35.0	114.8	13.100	55.58	34.0	1.9
40.0	131.2	13.320	55.98	44.0	2.4
45.0	147.6	13.420	56.16	20.0	1.1
50.0	164.0	13.660	56.59	48.0	2.6
55.0	180.4	13.850	56.93	38.0	2.1
58.5	191.9	13.850	56.93	0.0	0.0

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON

HOLE NAME: SANTOS

DATE MEASURED: 8/14/80

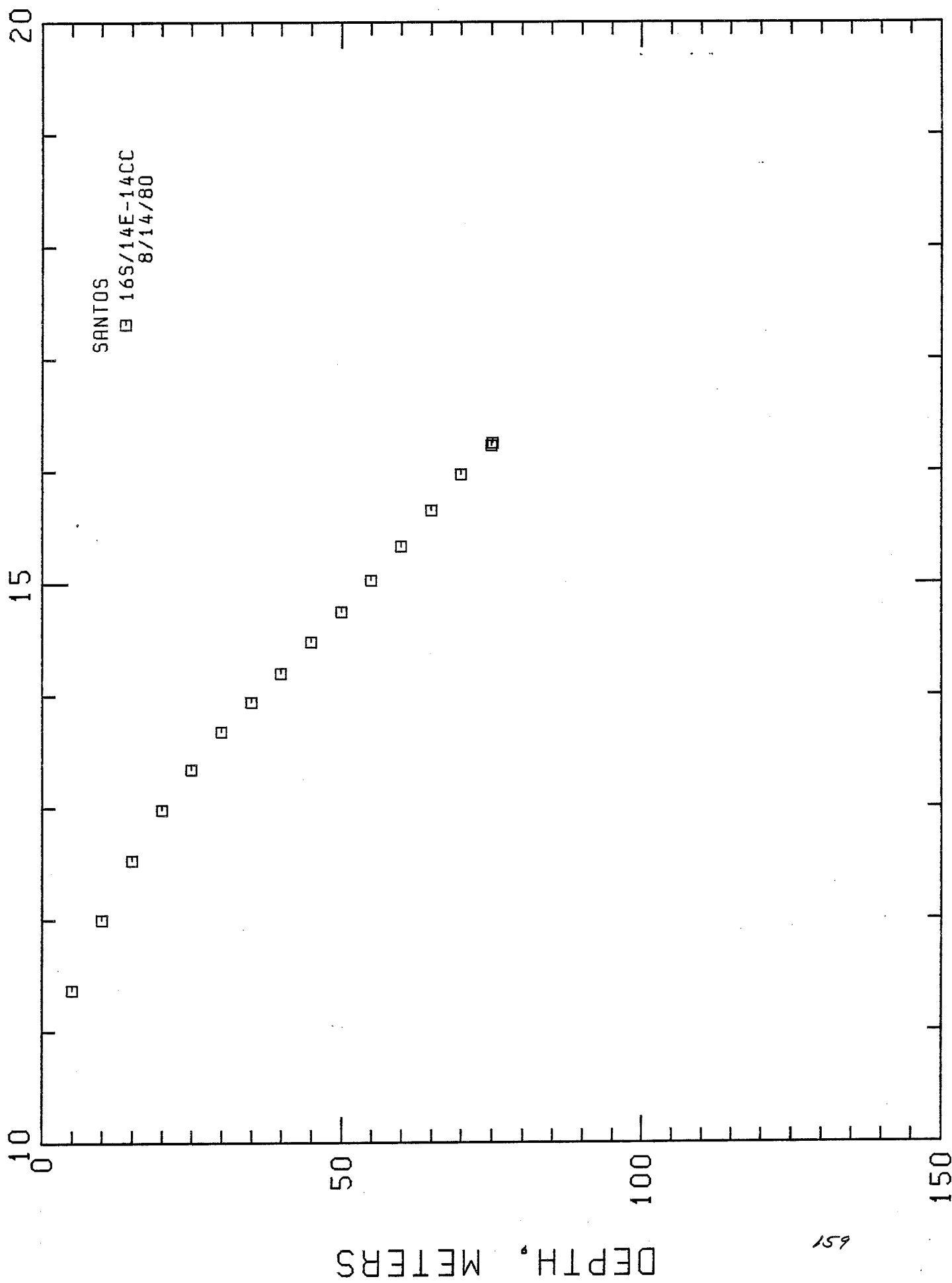
DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	11.370	52.47	0.0	0.0
10.0	32.8	12.000	53.60	126.0	6.9
15.0	49.2	12.530	54.55	106.0	5.8
20.0	65.6	12.980	55.36	90.0	4.9
25.0	82.0	13.340	56.01	72.0	4.0
30.0	98.4	13.680	56.62	68.0	3.7
35.0	114.8	13.940	57.09	52.0	3.9
40.0	131.2	14.200	57.56	52.0	3.9
45.0	147.6	14.480	58.06	56.0	3.1
50.0	164.0	14.750	58.55	54.0	3.0
55.0	180.4	15.030	59.05	56.0	3.1
60.0	196.8	15.330	59.53	60.0	3.3
65.0	213.2	15.650	60.17	64.0	3.5
70.0	229.6	15.970	60.75	64.0	3.5
75.0	246.0	16.230	61.21	52.0	2.9
75.2	246.7	16.250	61.25	100.0	5.5

TEMPERATURE, DEG C



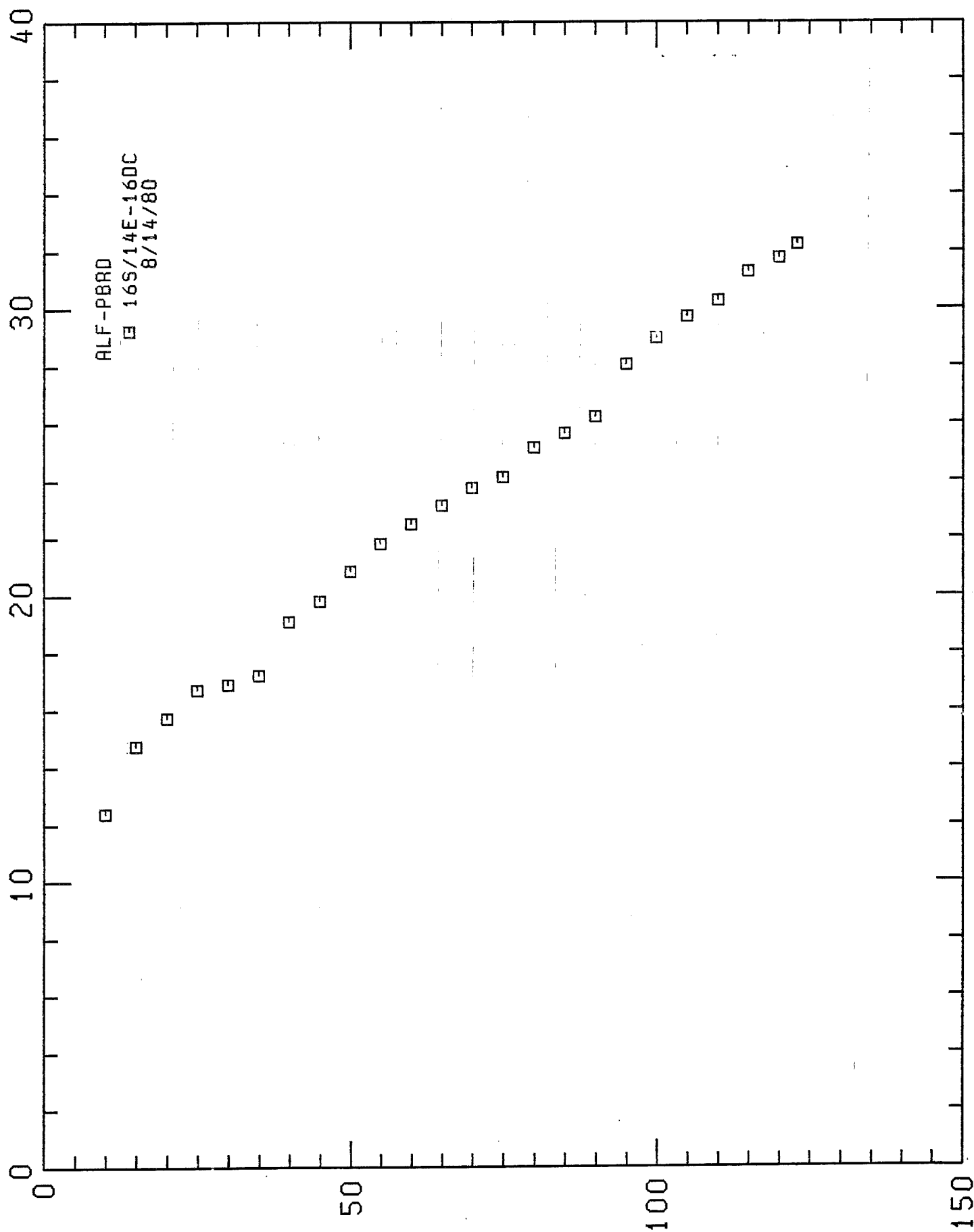
LOCATION: BEND AMS, OREGON 16S/14E-16DC			
HOLE NAME: ALF-PBRD			
DATE MEASURED: 8/14/80			
DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
10.0	32.8	12.400	54.32
15.0	49.2	14.770	58.59
20.0	65.6	15.750	60.35
25.0	82.0	16.720	62.10
30.0	98.4	16.920	62.46
35.0	114.8	17.230	63.01
40.0	131.2	19.100	66.38
45.0	147.6	19.820	67.68
50.0	164.0	20.870	69.57
55.0	180.4	21.830	71.29
60.0	196.8	22.510	72.52
65.0	213.2	23.150	73.67
70.0	229.6	23.780	74.80
75.0	246.0	24.140	75.45
80.0	262.4	25.170	77.31
85.0	278.8	25.660	78.19
90.0	295.2	26.240	79.23
95.0	311.6	28.060	82.51
100.0	328.0	28.930	84.18
105.0	344.4	29.740	85.53
110.0	360.8	30.290	86.52
115.0	377.2	31.300	88.34
120.0	393.6	31.770	89.19
125.0	403.4	32.250	90.05

GEOTHERMAL GRADIENT	
DEG C/KM	DEG F/100 FT
0.0	0.0
474.0	26.0
196.0	10.8
194.0	10.6
40.0	2.2
62.0	3.4
374.0	20.5
144.0	7.9
210.0	11.5
192.0	10.5
136.0	7.5
128.0	7.0
126.0	6.9
72.0	4.0
206.0	11.3
98.0	5.4
116.0	6.4
364.0	20.0
186.0	10.3
150.0	8.2
110.0	6.0
202.0	11.1
94.0	5.2
160.0	9.8

DEPTH, METERS

121

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
16S/14E-20AC

HOLE NAME: MILLER

DATE MEASURED: 8/12/80

DEPTH

METERS

FEET

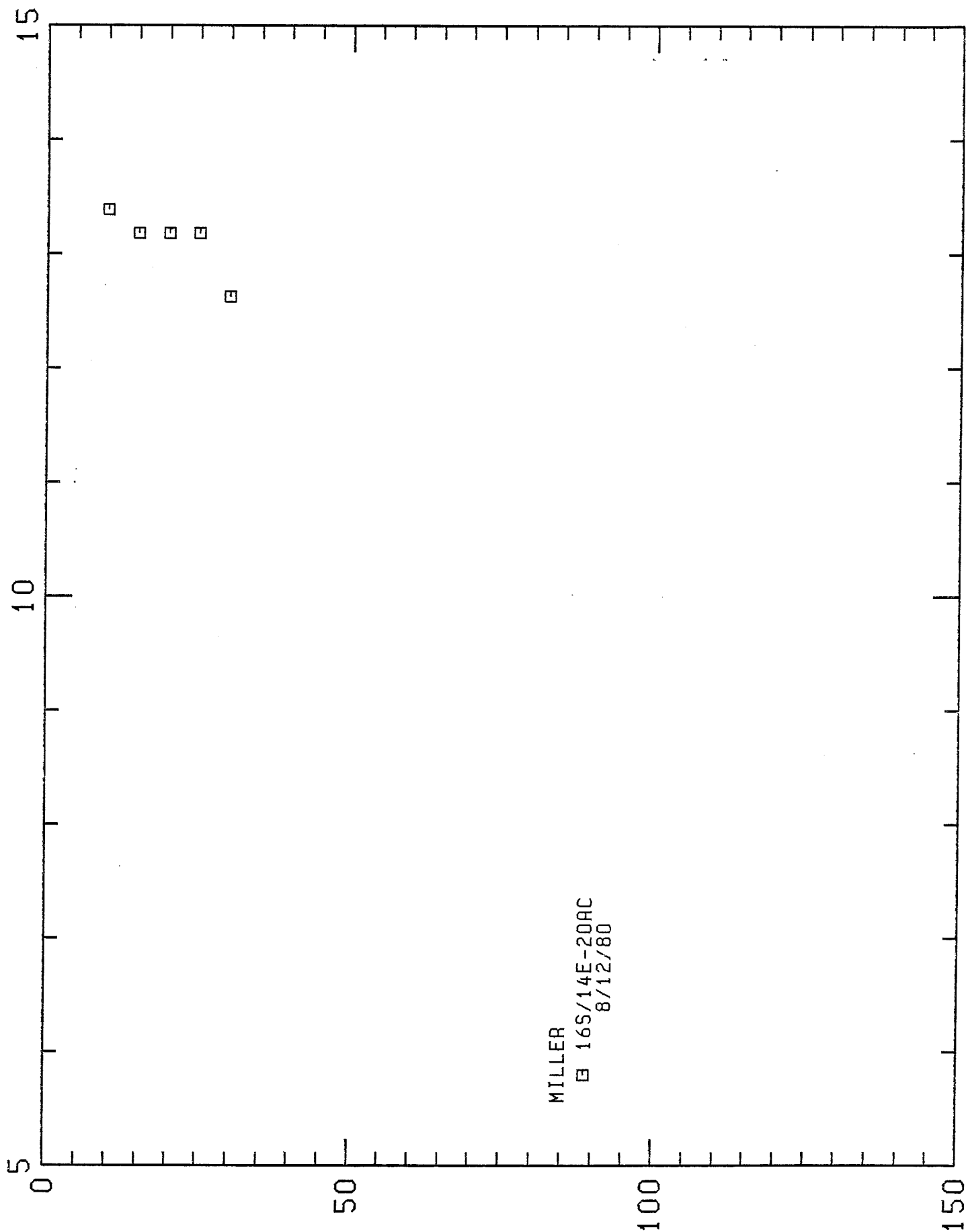
GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0 0.0
-42.0 -2.3
0.0 0.0
0.0 0.0
-110.0 -6.0

32.8 13.390 56.10
49.2 13.180 55.72
65.6 13.180 55.72
82.0 13.180 55.72
98.4 12.630 54.73

10.0
15.0
20.0
25.0
30.0

TEMPERATURE, DEG C



MILLER
□ 16S/14E-20AC
8/12/80

DEPTH, METERS

LOCATION: BEND AMS, OREGON

16S/14E-20DA

HOLE NAME: SLVDLR R

DATE MEASURED: 8/12/80

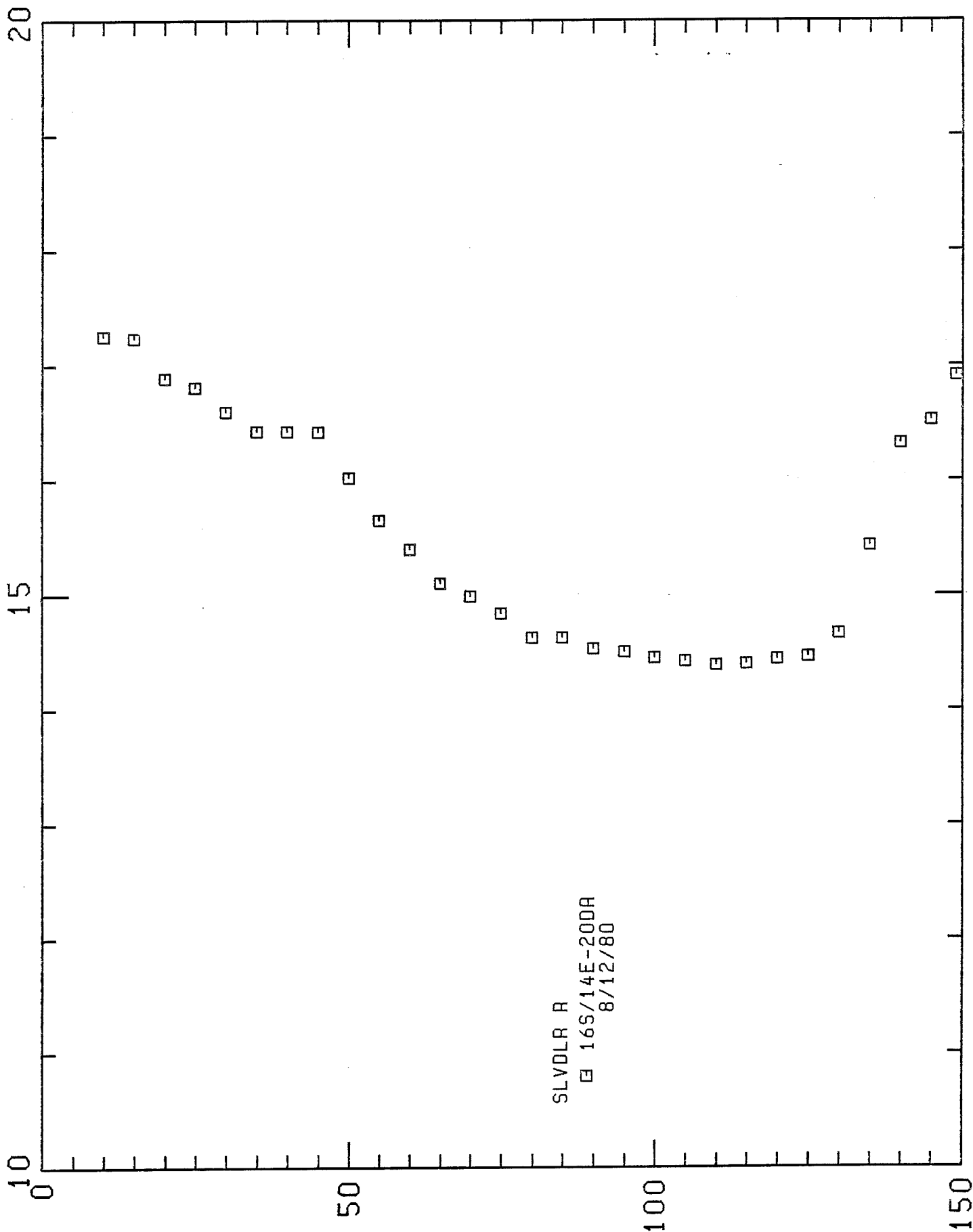
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
32.8	17.260	63.07	0.0	0.2
49.2	17.240	63.03	-4.0	-0.8
65.6	16.890	62.40	-70.0	-3.8
82.0	16.810	62.26	-16.0	-0.9
98.4	16.600	61.88	-42.0	-2.3
114.8	16.430	61.57	-34.0	-1.9
131.2	16.430	61.57	0.0	0.0
147.6	16.420	61.56	0.1	0.1
164.0	16.020	60.84	-2.0	-0.4
180.4	15.650	60.17	-80.0	-4.1
196.8	15.400	59.72	-74.0	-4.1
213.2	15.100	59.18	-50.0	-2.7
229.6	14.990	58.98	-60.0	-3.3
246.0	14.840	58.71	-32.0	-1.6
262.4	14.630	58.33	-50.0	-2.3
278.8	14.530	58.15	-42.0	-0.9
295.2	14.500	58.10	0.0	0.0
311.6	14.450	58.01	-20.0	-1.1
328.0	14.420	57.96	-5.0	-0.3
344.4	14.350	57.90	-10.0	-0.5
360.8	14.400	57.92	-6.0	-0.3
377.2	14.440	57.99	2.0	0.1
393.6	14.460	58.03	8.0	0.4
410.0	14.660	58.39	4.0	0.2
426.4	15.430	59.77	40.0	2.2
442.8	16.320	61.38	154.0	6.6
459.2	16.520	61.74	178.0	8.0
475.6	16.910	62.44	40.0	2.2
488.7			97.5	5.5

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

165/14E-28AD

HOLE NAME: SHUMWAY

DATE MEASURED: 4/ 7/80

DEPTH

DEPTH
METERS

TEMPERATURE

DEG C

DEG F

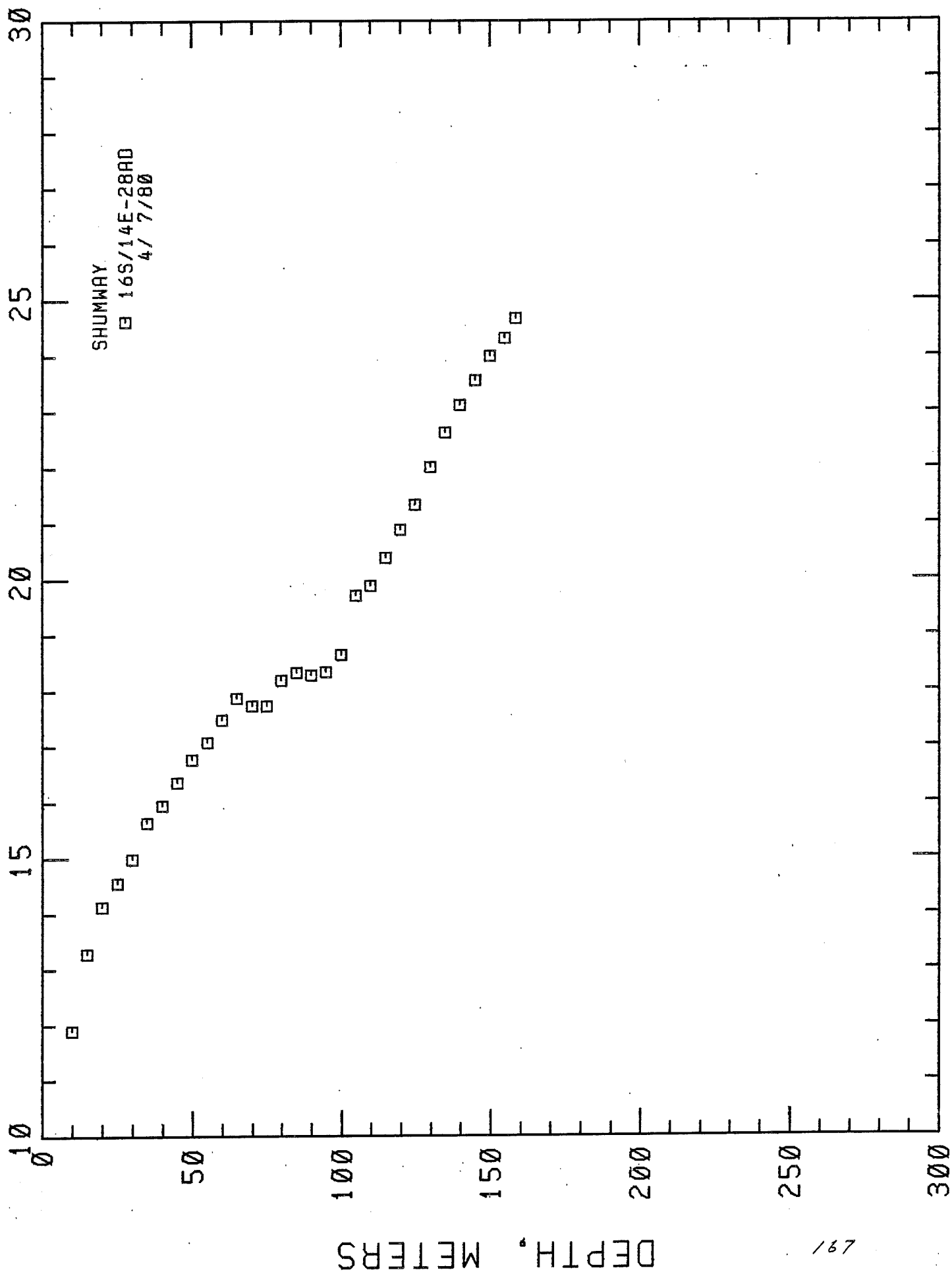
GEOTHERMAL GRADIENT

DEG C/KM

DEG F/100 FT

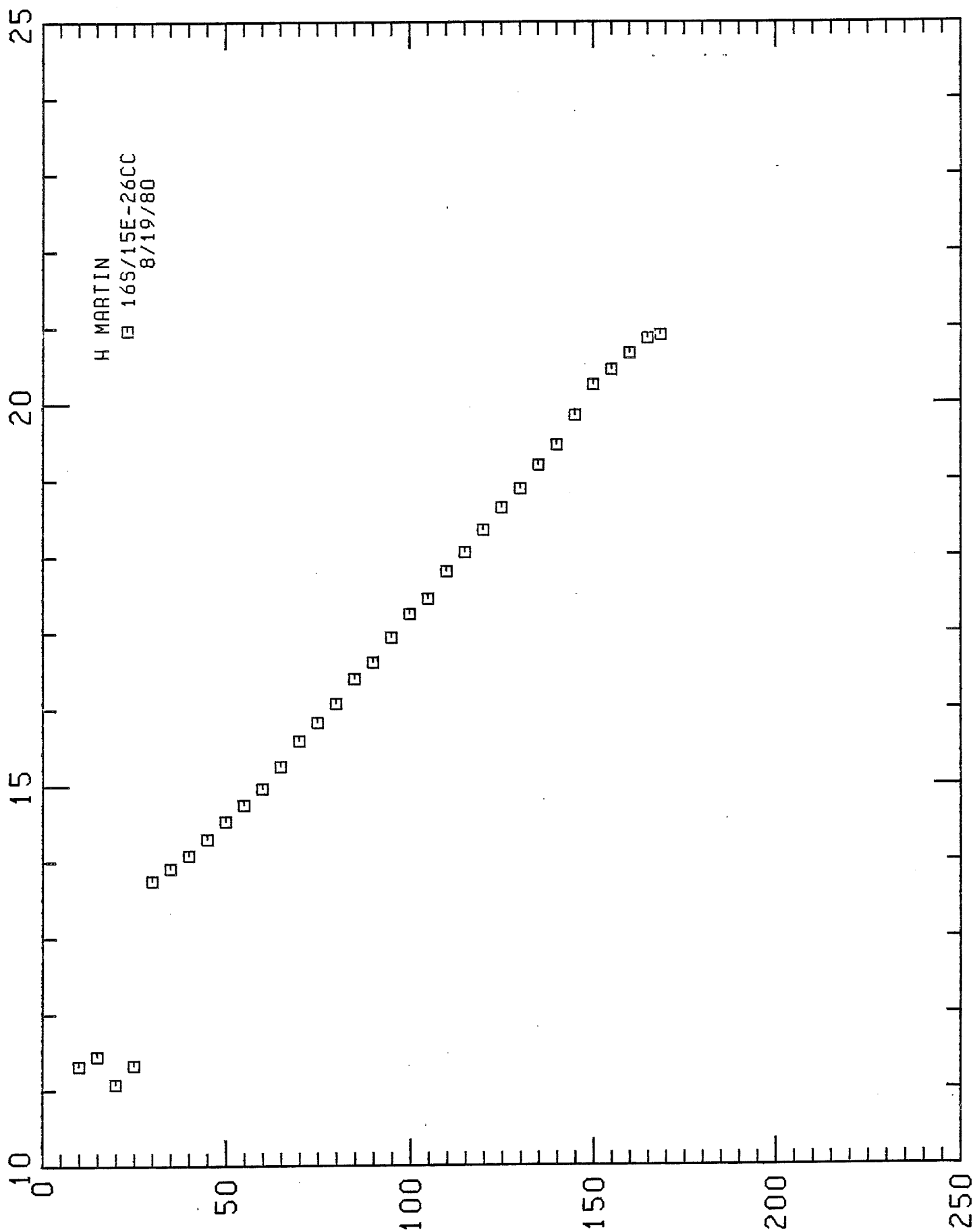
10.0	32.8	11.910	53.44	0.0	0.0
15.0	49.2	13.290	55.92	276.0	15.1
20.0	65.6	14.140	57.45	170.0	19.3
25.0	82.0	14.560	58.21	84.0	4.6
30.0	98.4	14.990	58.98	86.0	4.7
35.0	114.8	15.650	60.17	132.0	7.2
40.0	131.2	15.950	60.71	60.0	3.3
45.0	147.6	16.370	61.47	84.0	4.6
50.0	164.0	16.780	62.20	82.0	4.5
55.0	180.4	17.090	62.76	62.0	3.4
60.0	196.8	17.490	63.48	80.0	4.4
65.0	213.2	17.870	64.17	76.0	4.2
70.0	229.6	17.740	63.93	-26.0	-1.4
75.0	246.0	17.740	63.93	0.0	0.0
80.0	262.4	18.190	64.74	90.0	4.9
85.0	278.8	18.330	64.99	28.0	1.5
90.0	295.2	18.280	64.90	-10.0	-0.7
95.0	311.6	18.340	65.01	12.0	0.7
100.0	328.0	18.650	65.57	62.0	3.4
105.0	344.4	19.710	67.48	212.0	11.6
110.0	360.8	19.880	67.78	34.0	1.9
115.0	377.2	20.390	68.70	102.0	5.6
120.0	393.6	20.890	69.60	100.0	5.5
125.0	410.0	21.340	70.41	90.0	4.9
130.0	426.4	22.010	71.62	134.0	7.4
135.0	442.8	22.630	72.73	124.0	6.8
140.0	459.2	23.120	73.62	98.0	5.4
145.0	475.6	23.570	74.43	90.0	4.9
150.0	492.0	24.000	75.20	86.0	4.7
155.0	508.4	24.320	75.78	64.0	3.5
158.5	519.9	24.670	76.41	100.0	5.5

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON 16S/15E-26CC HOLE NAME: H MARTIN DATE MEASURED: 8/19/80					
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.320	52.38	0.0	0.0
15.0	49.2	11.450	52.61	26.0	1.4
20.0	65.6	11.080	51.94	-74.0	-4.1
25.0	82.0	11.330	52.39	50.0	2.6
30.0	98.4	13.750	56.75	484.0	26.6
35.0	114.8	13.920	57.06	34.0	1.9
40.0	131.2	14.090	57.36	34.0	1.9
45.0	147.6	14.300	57.74	42.0	2.3
50.0	164.0	14.530	58.15	46.0	2.5
55.0	180.4	14.750	58.55	44.0	2.3
60.0	196.8	14.960	58.93	42.0	2.3
65.0	213.2	15.250	59.45	58.0	3.3
70.0	229.6	15.590	60.06	68.0	3.7
75.0	246.0	15.830	60.49	48.0	2.6
80.0	262.4	16.080	60.94	50.0	2.7
85.0	278.8	16.400	61.52	64.0	3.5
90.0	295.2	16.620	61.92	44.0	2.4
95.0	311.6	16.940	62.49	64.0	3.5
100.0	328.0	17.250	63.05	62.0	3.4
105.0	344.4	17.450	63.41	40.0	2.2
110.0	360.8	17.810	64.06	72.0	4.0
115.0	377.2	18.060	64.51	50.0	2.7
120.0	393.6	18.350	65.03	58.0	3.2
125.0	410.0	18.640	65.55	58.0	3.2
130.0	426.4	18.890	66.00	50.0	2.7
135.0	442.8	19.200	66.56	62.0	3.4
140.0	459.2	19.460	67.03	52.0	2.9
145.0	475.6	19.850	67.73	78.0	4.3
150.0	492.0	20.250	68.45	80.0	4.4
155.0	508.4	20.450	68.81	40.0	2.2
160.0	524.8	20.660	69.19	42.0	2.3
165.0	541.2	20.860	69.55	40.0	2.2
168.5	552.7	20.900	69.62	11.4	0.6

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: SALEM AMS, OREGON

17S/ SE- BACD

HOLE NAME: WLKR CRK

DATE MEASURED: 9/24/80

DEPTH METERS

DEPTH FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

11.0	36.1	12.410	54.34	0.0	0.0
13.0	42.6	12.150	53.89	-125.0	-5.0
15.0	49.2	12.050	53.69	-55.0	-3.0
17.0	55.8	11.940	53.49	-55.0	-3.0
19.0	62.3	11.820	53.28	-60.0	-3.0
21.0	68.9	11.730	53.11	-45.0	-2.5
23.0	75.4	11.640	52.95	-45.0	-2.5
25.0	82.0	11.570	52.83	-35.0	-1.5
27.0	88.5	11.510	52.72	-30.0	-1.5
29.0	95.1	11.460	52.63	-25.0	-1.4
31.0	101.7	11.420	52.55	-20.0	-1.1
33.0	108.2	11.390	52.50	-15.0	-0.8
35.0	114.8	11.360	52.45	-10.0	-0.5
37.0	121.4	11.340	52.41	-5.0	-0.3
39.0	127.9	11.320	52.38	0.0	0.0
41.0	134.5	11.310	52.36	0.0	0.0
43.0	141.0	11.310	52.36	0.0	0.0
45.0	147.6	11.320	52.38	25.0	1.4
47.0	154.2	11.370	52.47	5.0	0.3
49.0	160.7	11.380	52.48	0.0	0.0
51.0	167.3	11.390	52.50	0.0	0.0
53.0	173.8	11.400	52.55	0.0	0.0
55.0	180.4	11.420	52.55	0.0	0.0
57.0	187.0	11.430	52.57	10.0	0.5
59.0	193.5	11.450	52.61	10.0	0.5
61.0	200.1	11.510	52.72	30.0	1.5
63.0	206.6	11.580	52.84	30.0	1.5
65.0	213.2	11.660	52.99	40.0	2.0
67.0	219.8	11.730	53.11	40.0	2.0
69.0	226.3	11.810	53.26	40.0	2.4
71.0	232.9	11.860	53.35	40.0	2.4
73.0	239.4	11.910	53.44	40.0	2.4
75.0	246.0	11.980	53.56	40.0	2.4
77.0	252.6	12.030	53.55	40.0	2.4
79.0	259.1	12.100	53.78	40.0	2.4
81.0	265.7	12.180	53.92	40.0	2.5
83.0	272.3	12.240	54.03	40.0	2.5
85.0	278.9	12.310	54.16	40.0	2.5
87.0	285.4	12.380	54.28	40.0	2.5
89.0	291.9	12.460	54.43	40.0	2.5
91.0	298.5			40.0	2.5

LOCATION: SALEM AMS, OREGON

HOLE NAME: 17S/ SE- 8ACD

DATE MEASURED: 9/24/80

TEMPERATURE

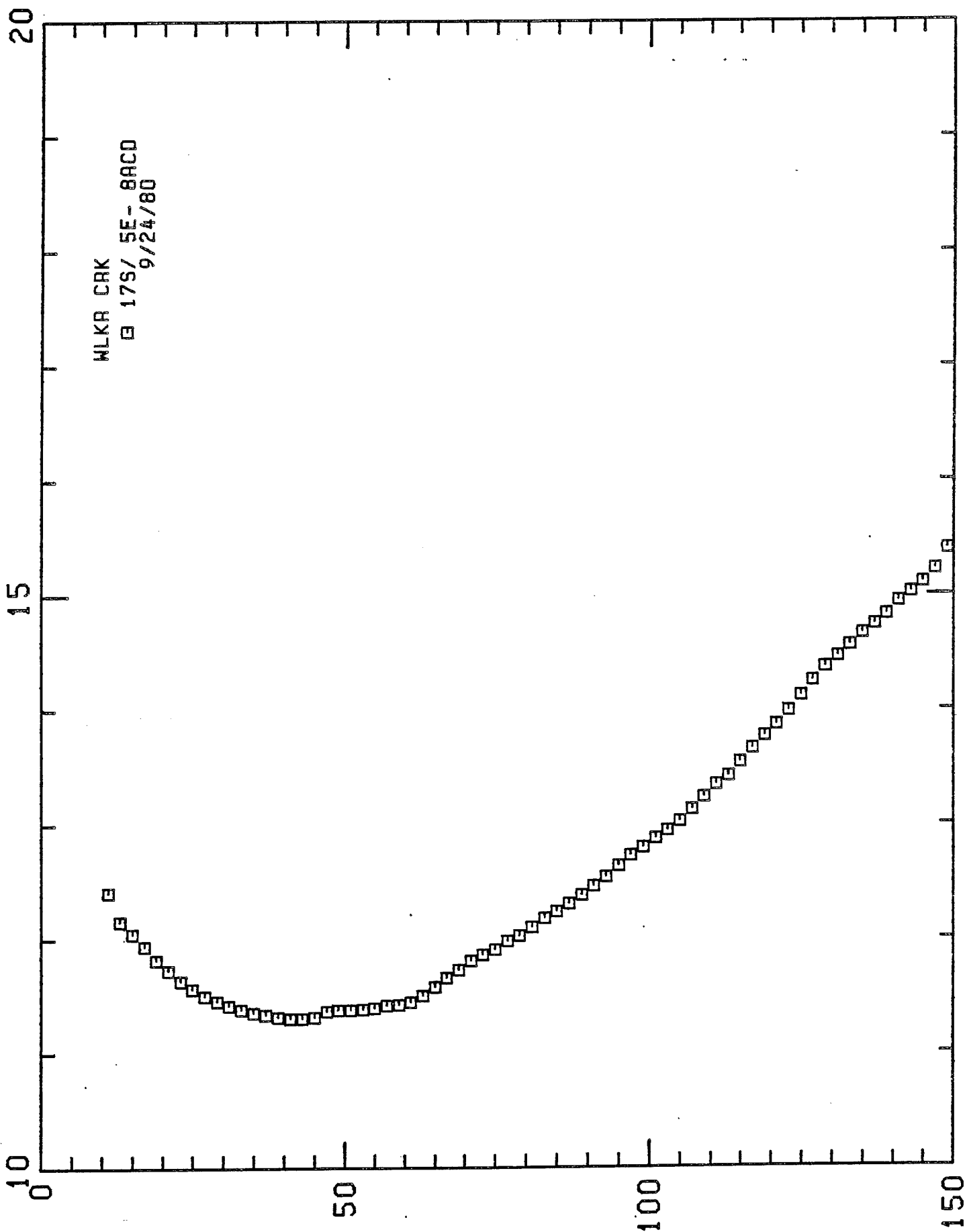
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

93.0	12.540	54.57	40.0	22.2
95.0	12.640	54.75	50.0	22.2
97.0	12.730	54.91	45.0	22.2
99.0	12.800	55.04	35.0	22.2
101.0	12.880	55.18	40.0	22.2
103.0	12.950	55.31	35.0	22.2
105.0	13.030	55.45	40.0	22.2
107.0	13.130	55.63	50.0	22.2
109.0	13.240	55.83	55.0	22.2
111.0	13.350	56.03	55.0	22.2
113.0	13.420	56.16	35.0	22.2
115.0	13.540	56.37	60.0	22.2
117.0	13.660	56.59	60.0	22.2
119.0	13.770	56.79	55.0	22.2
121.0	13.870	56.97	50.0	22.2
123.0	13.990	57.18	60.0	22.2
125.0	14.120	57.42	65.0	22.2
127.0	14.250	57.65	60.0	22.2
129.0	14.370	57.87	60.0	22.2
131.0	14.460	58.03	45.0	22.2
133.0	14.550	58.21	50.0	22.2
135.0	14.660	58.39	50.0	22.2
137.0	14.740	58.53	40.0	22.2
139.0	14.830	58.69	45.0	22.2
141.0	14.940	58.89	55.0	22.2
143.0	15.020	59.04	40.0	22.2
145.0	15.110	59.20	45.0	22.2
147.0	15.220	59.40	55.0	22.2
149.0	15.400	59.72	50.0	22.2
151.0	15.530	59.95	65.0	22.2
153.0	15.640	60.15	65.0	22.2

TEMPERATURE, DEG C



LOCATION: SALEM AMS, OREGON

17S/ SE-20BAA

HOLE NAME: RIDR CRK

DATE MEASURED: 9/23/80

DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

14.0	45.9	11.850	53.33	0.0	0.5
16.0	52.0	11.650	52.97	-100.0	1.5
18.0	59.0	11.590	52.84	-35.0	1.1
20.0	65.0	11.540	52.77	-20.0	1.1
22.0	65.0	11.440	52.59	-50.0	1.7
24.0	72.7	11.380	52.48	-30.0	1.6
26.0	85.3	11.360	52.45	-10.0	1.5
28.0	91.8	11.370	52.47	5.0	1.5
30.0	98.4	11.400	52.52	15.0	1.5
32.0	105.0	11.450	52.61	25.0	1.4
34.0	111.5	11.500	52.70	35.0	1.4
36.0	118.1	11.570	52.83	35.0	1.3
38.0	124.6	11.630	52.93	30.0	1.1
40.0	131.2	11.690	53.04	30.0	1.1
42.0	137.8	11.730	53.11	20.0	1.1
44.0	144.3	11.810	53.26	40.0	1.2
46.0	150.9	11.970	53.55	80.0	1.4
48.0	157.4	12.070	53.73	80.0	1.5
50.0	164.0	12.160	53.89	45.0	1.5
52.0	170.6	12.280	54.10	60.0	1.7
54.0	177.1	12.380	54.28	50.0	1.7
56.0	183.7	12.520	54.54	70.0	1.8
58.0	190.3	12.660	54.79	70.0	1.8
60.0	196.8	12.830	55.09	85.0	1.8
62.0	203.4	12.970	55.35	70.0	1.8
64.0	209.9	13.290	55.92	160.0	1.8
66.0	216.5	13.890	57.00	130.0	1.8
68.0	223.0	14.120	57.42	115.0	1.8
70.0	229.5	14.330	57.79	105.0	1.8
72.0	236.0	14.530	58.15	100.0	1.8
74.0	242.5	14.720	58.50	95.0	1.8
76.0	249.0	14.940	58.89	110.0	1.8
78.0	255.5	15.160	59.29	110.0	1.8
80.0	262.0	15.430	59.77	135.0	1.8
82.0	268.5	15.620	60.12	95.0	1.8
84.0	275.0	15.920	60.66	150.0	1.8
86.0	281.5	16.120	61.02	100.0	1.8
88.0	288.0	16.370	61.47	125.0	1.8
90.0	295.0	16.620	61.92	125.0	1.8
92.0	301.5	16.860	62.35	125.0	1.8
94.0	308.0	17.110	62.80	125.0	1.8

LOCATION: SALEM AYS, OREGON

PAGE 2

HOLE NAME: 175/ SE-20BAA

DATE MEASURED: 9/23/80

TEMPERATURE

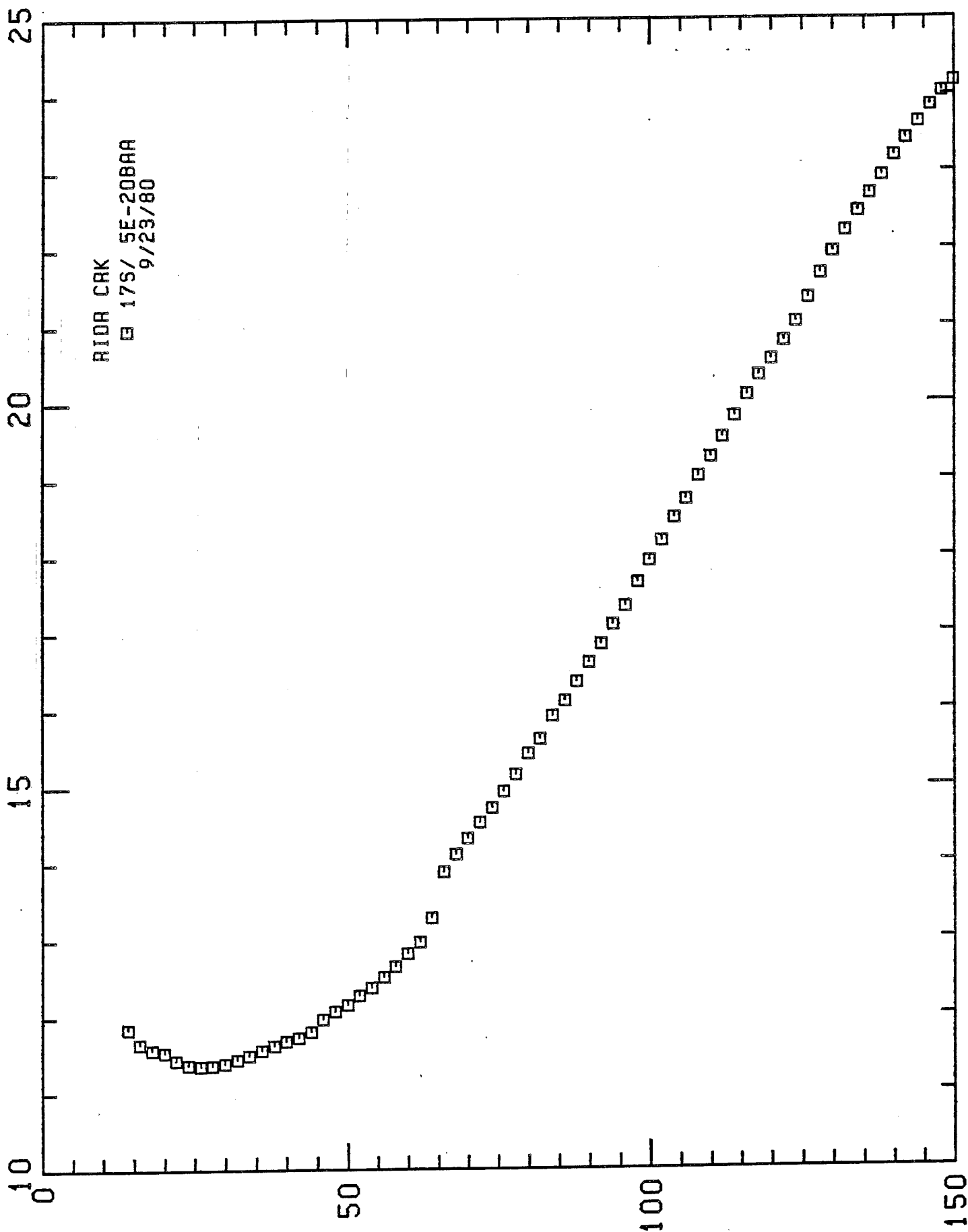
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

96.0	17.350	63.23	120.0	6.6
98.0	17.650	63.79	155.0	8.5
100.0	17.950	64.31	145.0	8.0
102.0	18.200	64.76	125.0	6.5
104.0	18.500	65.30	150.0	8.2
106.0	18.740	65.73	120.0	6.6
108.0	19.040	66.27	150.0	8.3
110.0	19.290	66.72	125.0	6.9
112.0	19.550	67.19	130.0	7.1
114.0	19.820	67.68	135.0	7.4
116.0	20.100	68.18	140.0	7.7
118.0	20.350	68.63	125.0	7.9
120.0	20.560	69.01	105.0	5.8
122.0	20.800	69.44	120.0	6.6
124.0	21.050	69.89	125.0	6.9
126.0	21.360	70.45	155.0	8.5
128.0	21.670	71.01	145.0	8.0
130.0	21.960	71.53	135.0	7.4
132.0	22.230	72.01	125.0	6.9
134.0	22.480	72.46	115.0	6.3
136.0	22.710	72.88	130.0	6.6
138.0	22.940	73.29	110.0	7.1
140.0	23.200	73.76	110.0	6.9
142.0	23.420	74.16	105.0	6.5
144.0	23.640	74.55	90.0	4.9
146.0	23.850	74.93	70.0	3.8
148.0	24.030	75.25	155.0	
150.0	24.170	75.51		
152.0	24.480	76.06		

TEMPERATURE, DEG C



DEPTH, CM

LOCATION: SALEM AMS, OREGON

PAGE 2

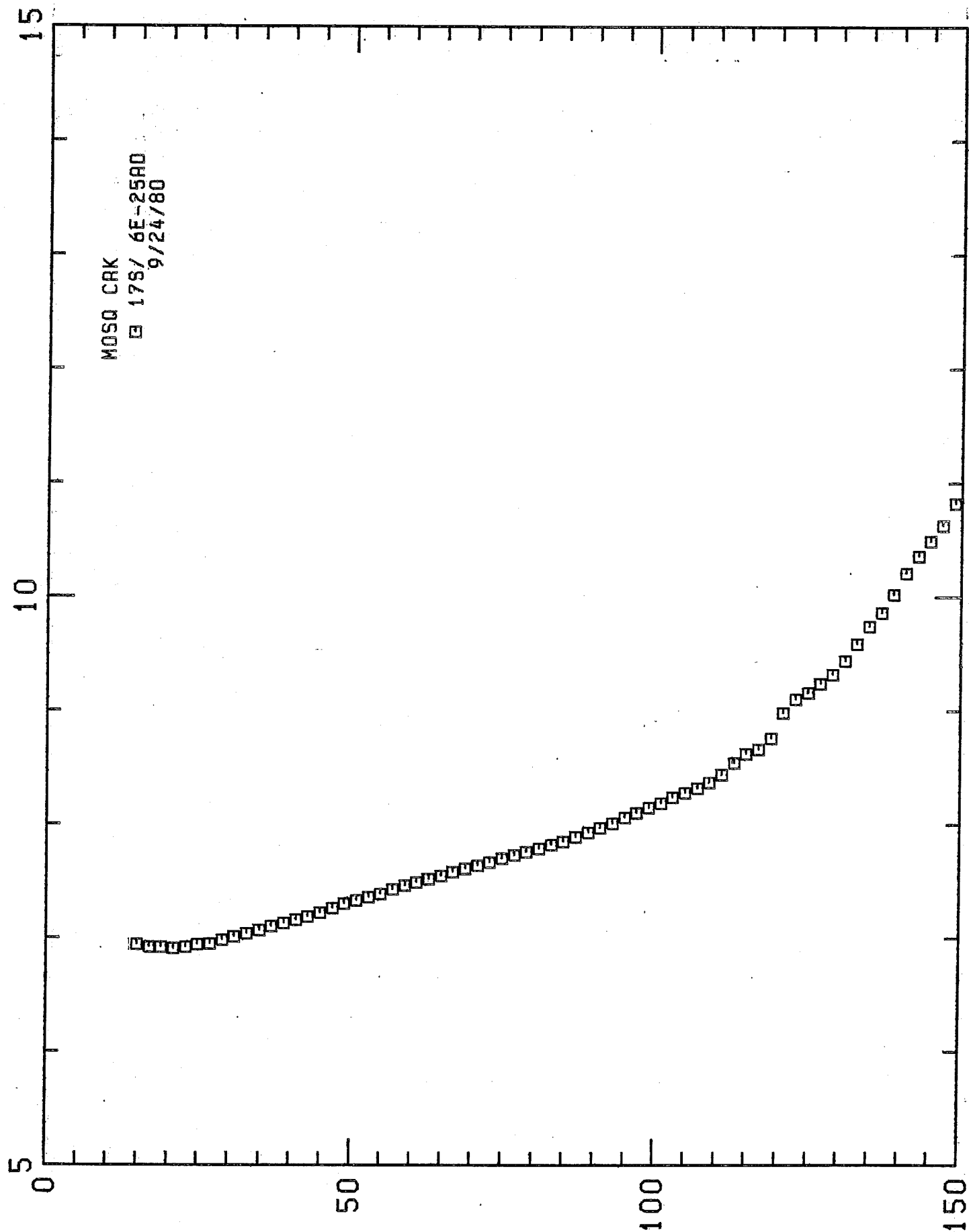
17S/ GE-25AD

HOLE NAME: MOSQ CRK

DATE MEASURED: 9/24/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
97.0	318.2	8.100	46.58	20.0	1.1
99.0	324.7	8.150	46.67	25.0	1.4
101.0	331.3	8.190	46.74	20.0	1.1
103.0	337.8	8.240	46.83	25.0	1.4
105.0	344.4	8.280	46.90	20.0	1.1
107.0	351.0	8.320	46.98	20.0	1.1
109.0	357.5	8.370	47.07	25.0	1.4
111.0	364.1	8.440	47.19	35.0	1.9
113.0	370.6	8.540	47.37	50.0	2.2
115.0	377.2	8.620	47.52	40.0	2.2
117.0	383.8	8.660	47.59	20.0	1.1
119.0	390.3	8.760	47.77	50.0	2.2
121.0	396.9	8.980	48.16	110.0	1.7
123.0	403.4	9.100	48.38	60.0	0.3
125.0	410.0	9.160	48.49	30.0	0.3
127.0	416.6	9.240	48.63	40.0	1.2
129.0	423.1	9.320	48.78	40.0	2.2
131.0	429.7	9.440	48.99	60.0	2.3
133.0	436.2	9.590	49.26	75.0	4.1
135.0	442.8	9.740	49.53	75.0	4.1
137.0	449.4	9.860	49.75	60.0	3.3
139.0	455.9	10.020	50.04	80.0	4.4
141.0	462.5	10.210	50.38	95.0	5.2
143.0	469.0	10.360	50.65	75.0	4.2
145.0	475.6	10.490	50.88	65.0	3.3
147.0	482.2	10.630	51.13	70.0	3.3
149.0	488.7	10.820	51.48	95.0	5.3
151.0	495.3	10.960	51.73	70.0	3.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

175/13E- 8BB

HOLE NAME: BEND TPB

DATE MEASURED: 5/ 1/80

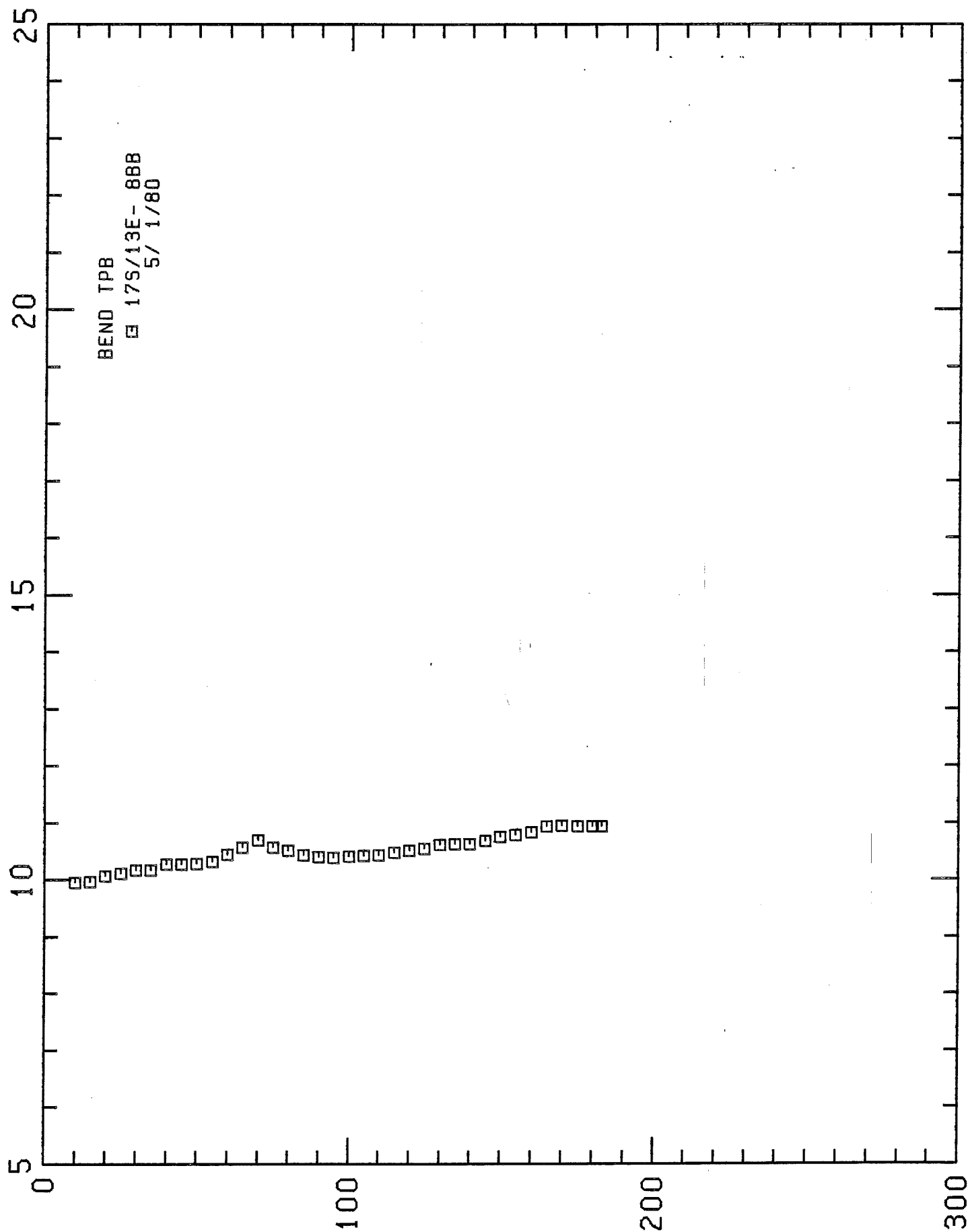
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	9.960	49.93	0.0	0.0
15.0	49.2	9.970	49.95	2.0	0.1
20.0	65.6	10.070	50.13	20.0	1.1
25.0	82.0	10.120	50.22	10.0	0.5
30.0	98.4	10.180	50.32	12.0	0.7
35.0	114.8	10.180	50.32	0.0	0.0
40.0	131.2	10.280	50.50	20.0	1.1
45.0	147.6	10.280	50.50	0.0	0.0
50.0	164.0	10.290	50.52	2.0	0.1
55.0	180.4	10.320	50.58	6.0	0.3
60.0	196.8	10.450	50.81	26.0	1.4
65.0	213.2	10.580	51.04	26.0	1.4
70.0	229.6	10.700	51.26	24.0	1.3
75.0	246.0	10.580	51.04	-24.0	-1.3
80.0	262.4	10.520	50.94	-12.0	-0.7
85.0	278.8	10.440	50.79	-16.0	-0.9
90.0	295.2	10.400	50.72	-8.0	-0.4
95.0	311.6	10.390	50.70	-2.0	-0.1
100.0	328.0	10.420	50.76	6.0	0.3
105.0	344.4	10.430	50.77	2.0	0.1
110.0	360.8	10.440	50.79	2.0	0.1
115.0	377.2	10.480	50.86	8.0	0.4
120.0	393.6	10.520	50.94	8.0	0.4
125.0	410.0	10.550	50.99	6.0	0.3
130.0	426.4	10.620	51.12	14.0	0.8
135.0	442.8	10.630	51.13	2.0	0.1
140.0	459.2	10.630	51.13	0.0	0.0
145.0	475.6	10.690	51.24	12.0	0.7
150.0	492.0	10.760	51.37	14.0	0.8
155.0	508.4	10.790	51.42	6.0	0.3
160.0	524.8	10.840	51.51	10.0	0.5
165.0	541.2	10.940	51.69	20.0	1.1
170.0	557.6	10.950	51.71	2.0	0.1
175.0	574.0	10.940	51.69	-2.0	-0.1
180.0	590.4	10.940	51.69	0.0	0.0
183.0	600.2	10.940	51.69	0.0	0.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

17S/14E-23AC

HOLE NAME: LEWIS

DATE MEASURED: 8/20/80

DEPTH TEMPERATURE

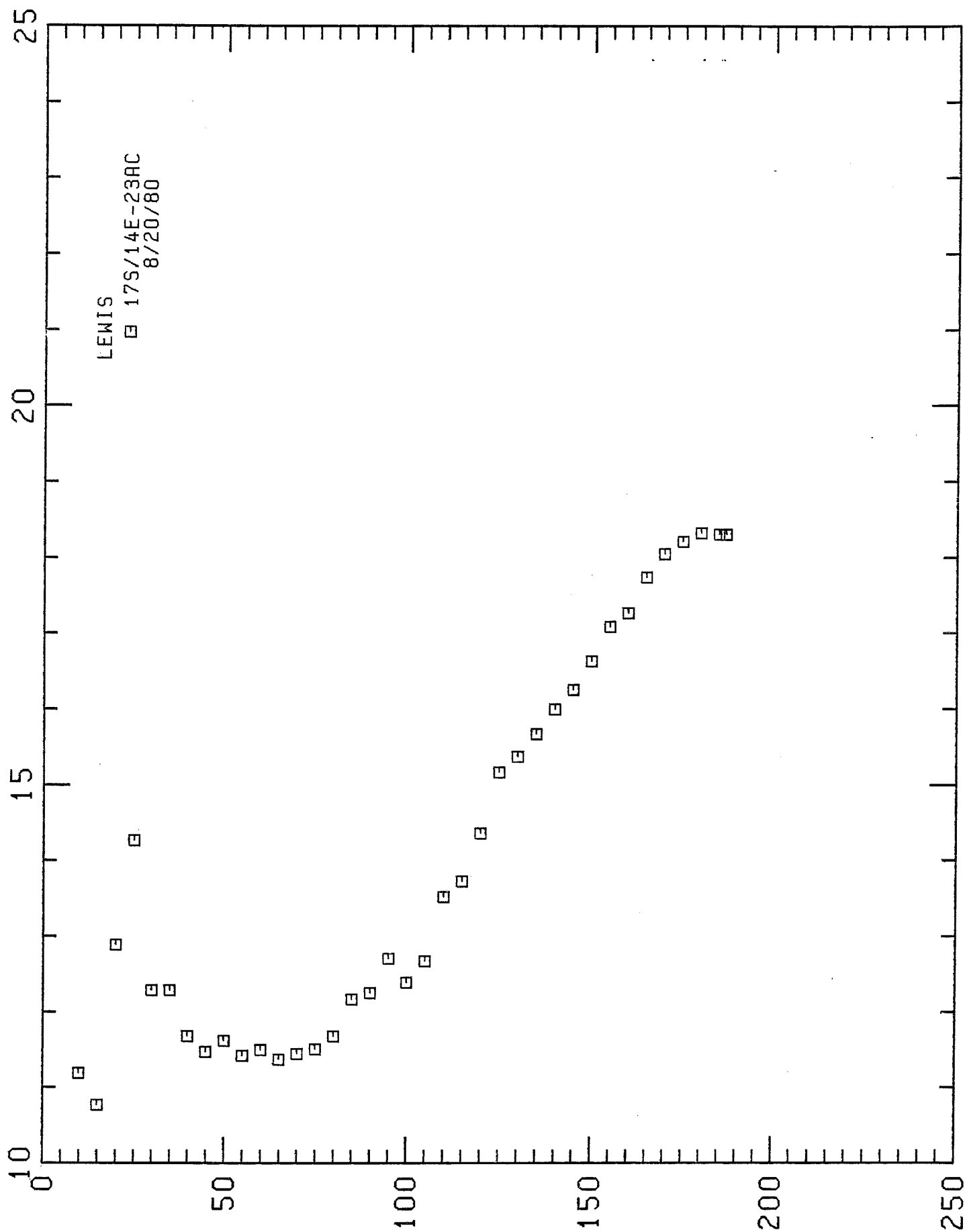
FEET

METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	11.190	52.14	0.0	0.0
15.0	10.770	51.39	-84.0	-4.6
20.0	12.890	55.20	424.0	23.3
25.0	14.270	57.69	276.0	15.1
30.0	12.290	54.12	-396.0	-21.7
35.0	12.290	54.12	0.0	0.0
40.0	11.680	53.02	-122.0	-6.7
45.0	11.470	52.65	-42.0	-2.3
50.0	11.620	52.92	30.0	1.6
55.0	11.420	52.56	-40.0	-2.2
60.0	11.500	52.70	16.0	0.9
65.0	11.370	52.47	-26.0	-1.4
70.0	11.450	52.61	16.0	0.9
75.0	11.510	52.72	12.0	0.7
80.0	11.680	53.02	34.0	1.9
85.0	12.170	53.91	98.0	5.4
90.0	12.250	54.05	16.0	0.9
95.0	12.710	54.88	92.0	5.0
100.0	12.390	54.30	-64.0	-3.5
105.0	12.670	54.81	56.0	3.1
110.0	13.520	56.34	170.0	9.3
115.0	13.730	56.71	42.0	2.3
120.0	14.360	57.85	126.0	6.9
125.0	15.170	59.31	162.0	8.3
130.0	15.370	59.67	40.0	2.3
135.0	15.670	60.21	60.0	3.6
140.0	16.000	60.80	56.0	3.3
145.0	16.260	61.27	52.0	3.0
150.0	16.630	61.93	74.0	4.1
155.0	17.090	62.76	92.0	5.0
160.0	17.270	63.09	36.0	2.0
165.0	17.740	63.93	94.0	5.3
170.0	18.050	64.49	62.0	3.4
175.0	18.210	64.78	32.0	1.8
180.0	18.320	64.98	22.0	1.2
185.0	18.310	64.96	-2.0	-0.1
187.0	18.310	64.96	0.0	0.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BEND AMS, OREGON

17S/15E-20CA

HOLE NAME: BOWEN

DATE MEASURED: 4/16/80

DEPTH TEMPERATURE

FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	13.980	57.16	0.0	0.0
15.0	14.110	57.40	26.0	1.4
20.0	14.450	58.03	70.0	3.8
25.0	14.720	58.50	52.0	2.9
30.0	14.780	58.60	12.0	0.7
35.0	15.040	59.07	52.0	2.2
40.0	15.260	59.47	44.0	2.4
45.0	15.450	59.81	38.0	2.1
50.0	15.690	60.24	48.0	1.6
55.0	15.760	60.37	14.0	0.8
60.0	15.920	60.66	32.0	1.8
65.0	16.170	61.11	50.0	2.7
70.0	16.290	61.32	24.0	1.3
75.0	16.480	61.66	38.0	2.1
80.0	16.600	61.88	24.0	1.3
85.0	16.750	62.15	30.0	1.6
90.0	16.870	62.37	24.0	1.3
95.0	17.010	62.62	28.0	1.5
100.0	17.000	62.60	-2.0	0.1
105.0	17.280	63.10	56.0	3.1
110.0	17.620	63.72	68.0	1.7
115.0	17.780	64.00	32.0	1.8
120.0	17.820	64.08	8.0	0.4
125.0	17.730	63.91	-18.0	1.0
130.0	17.940	64.29	42.0	3.4
135.0	18.250	64.85	62.0	3.4
140.0	18.040	64.47	-42.0	3.3
145.0	17.750	63.55	-58.0	3.2
150.0	19.050	66.29	260.0	14.3
155.0	19.460	67.03	82.0	4.5
160.0	19.780	67.60	64.0	3.3
165.0	19.410	66.94	-74.0	4.1
170.0	20.110	68.20	140.0	7.7
175.0	20.350	68.63	48.0	2.6
180.0	20.600	69.08	50.0	2.7
185.0	20.520	68.94	-16.0	0.9
190.0	21.000	69.80	96.0	5.3
195.0	22.490	72.48	298.0	15.4
200.0	26.050	78.91	714.0	39.2
205.0	26.050	78.91	0.0	0.0
210.0	26.070	78.93	2.0	0.1

LOCATION: BEND AMS, OREGON

PAGE 2

17S/15E-20CA

HOLE NAME: BOWEN

DATE MEASURED: 4/16/80

TEMPERATURE

DEPT C DEG F

DEPTH

FEET

DEPTH
METERS

704.5

26.170

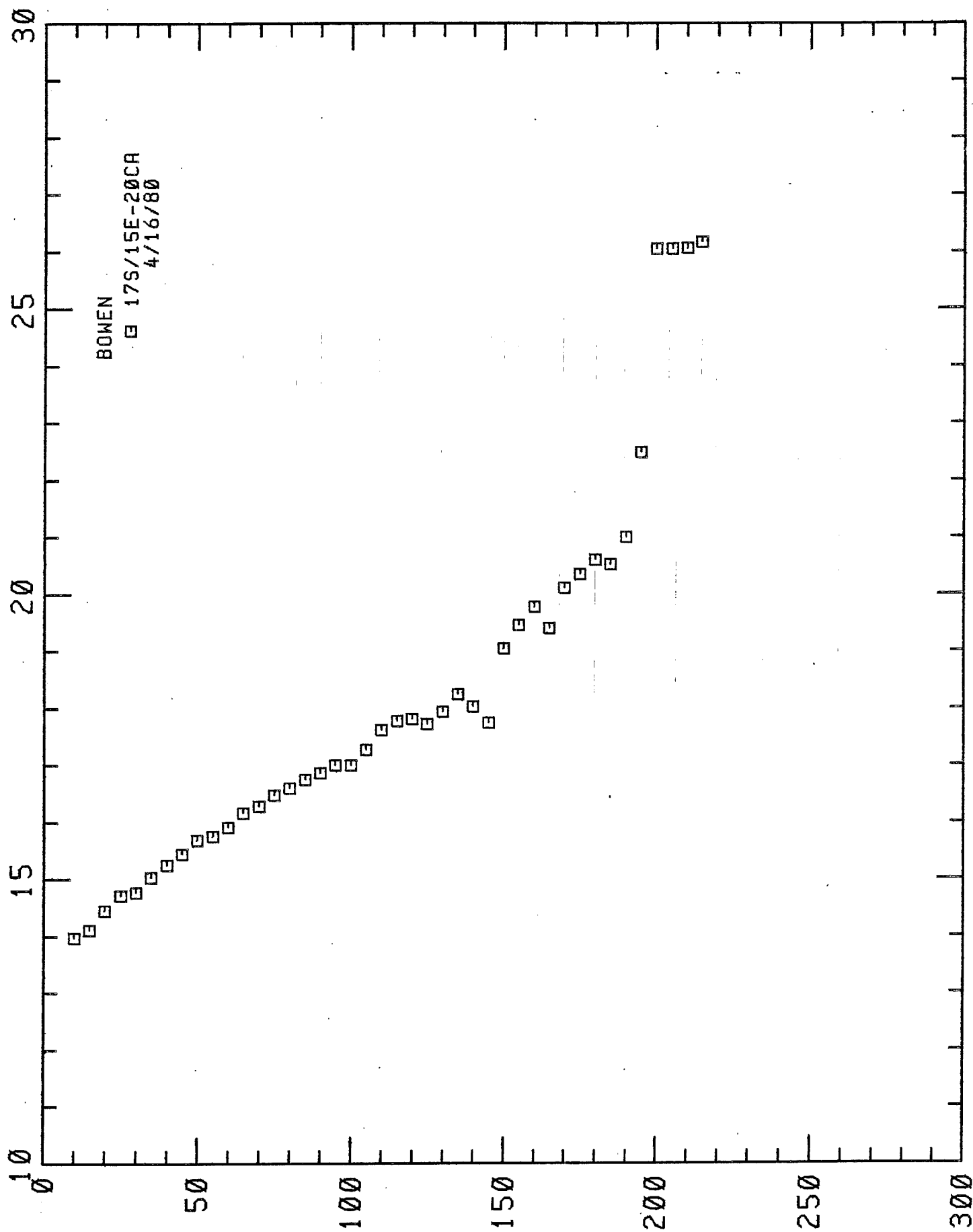
79.11

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

20.8

1.1

TEMPERATURE, DEG C



LOCATION: BEND AMS, OREGON
17S/16E-32CA

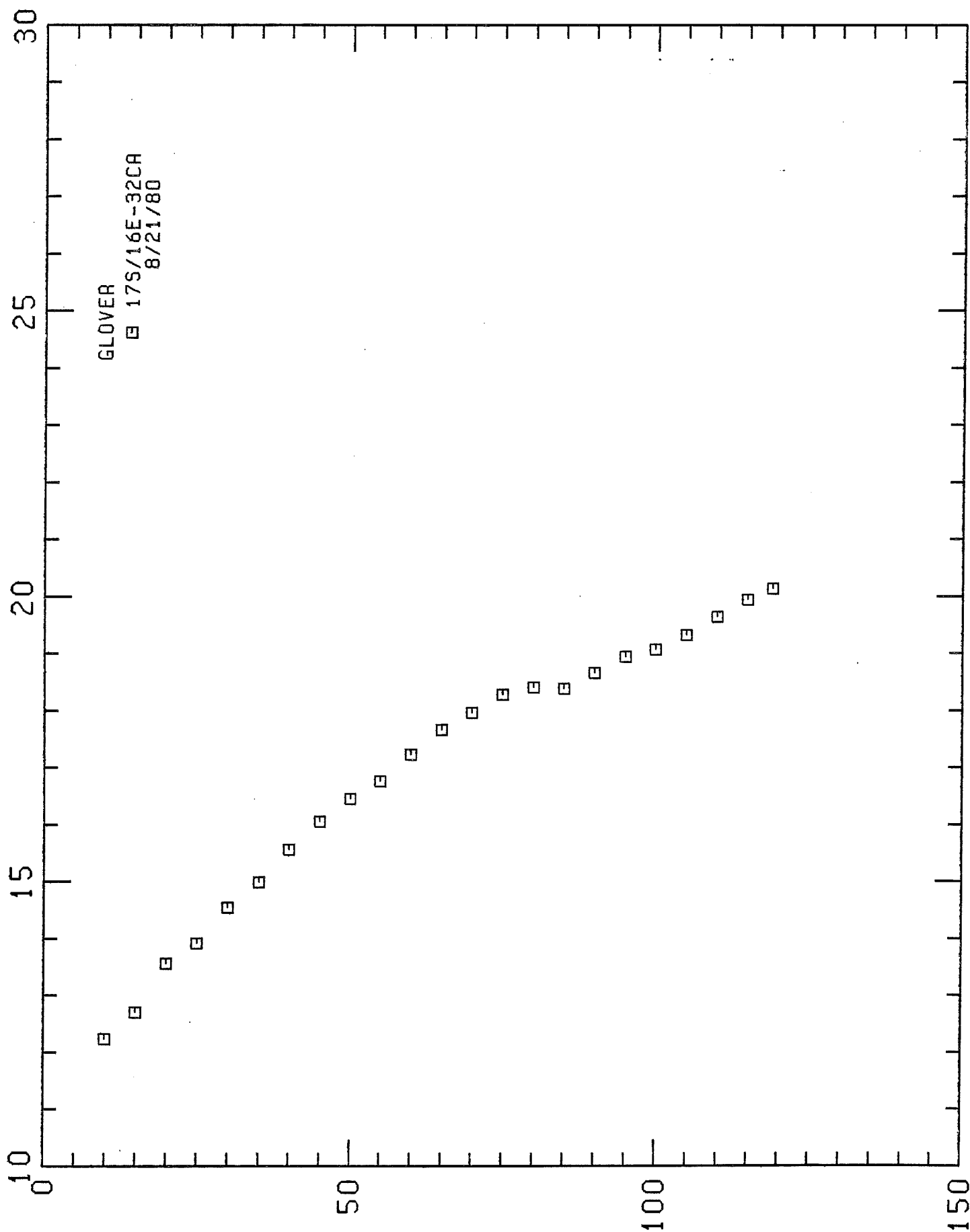
HOLE NAME: GLOVER

DATE MEASURED: 8/21/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.240	54.03	0.0	0.2
15.0	49.2	12.710	54.88	94.0	5.3
20.0	65.6	13.560	56.41	170.0	5.3
25.0	82.0	13.920	57.06	72.0	4.0
30.0	98.4	14.550	58.19	126.0	6.9
35.0	114.8	14.990	58.98	88.0	4.8
40.0	131.2	15.560	60.01	114.0	6.3
45.0	147.6	16.060	60.91	100.0	5.5
50.0	164.0	16.460	61.63	80.0	4.4
55.0	180.4	16.770	62.19	62.0	3.4
60.0	196.8	17.230	63.01	92.0	5.0
65.0	213.2	17.670	63.81	88.0	4.8
70.0	229.6	17.960	64.33	58.0	3.5
75.0	246.0	18.280	64.90	64.0	3.5
80.0	262.4	18.410	65.14	26.0	1.4
85.0	278.8	18.390	65.10	4.0	0.2
90.0	295.2	18.660	65.59	54.0	3.0
95.0	311.6	18.950	66.11	58.0	3.3
100.0	328.0	19.070	66.33	24.0	1.3
105.0	344.4	19.330	66.79	52.0	3.5
110.0	360.8	19.650	67.37	64.0	5.2
115.0	377.2	19.940	67.89	58.0	3.3
119.0	390.3	20.140	68.25	50.0	2.7

TEMPERATURE, DEG C

DEPTH, METERS



LOCATION: BAKER AMS, OREGON

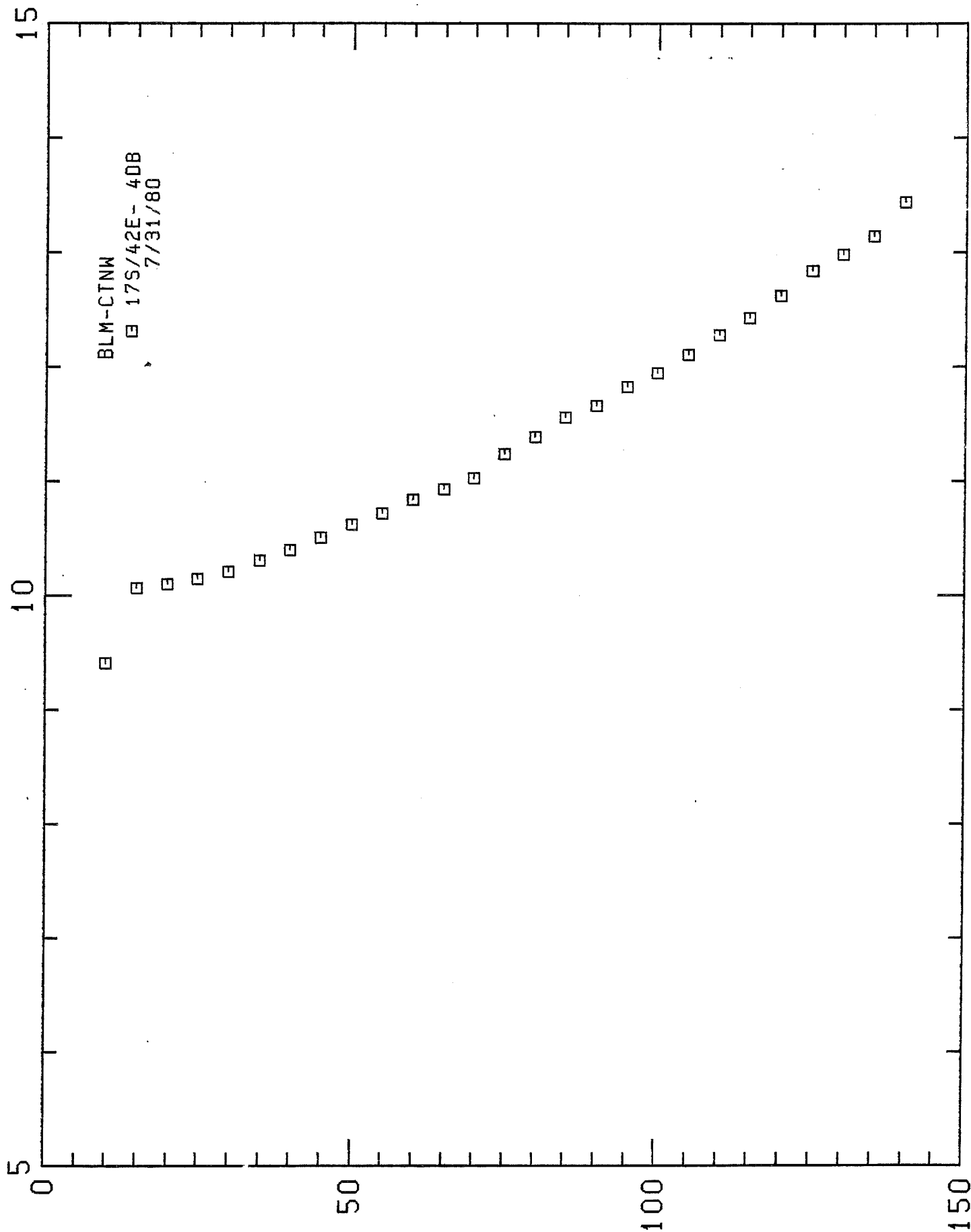
17S/42E- 4DB

HOLE NAME: BLM-CTNW

DATE MEASURED: 7/31/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.410	48.94	0.0	0.0
15.0	49.2	10.070	50.13	132.0	7.2
20.0	65.6	10.100	50.18	6.0	0.3
25.0	82.0	10.150	50.27	10.0	0.5
30.0	98.4	10.210	50.38	12.0	0.7
35.0	114.8	10.310	50.56	20.0	1.1
40.0	131.2	10.400	50.72	18.0	1.0
45.0	147.6	10.510	50.92	22.0	1.2
50.0	164.0	10.620	51.12	22.0	1.2
55.0	180.4	10.720	51.30	20.0	1.1
60.0	196.8	10.840	51.51	24.0	1.3
65.0	213.2	10.930	51.67	18.0	1.0
70.0	229.6	11.030	51.85	20.0	1.1
75.0	246.0	11.240	52.23	42.0	2.3
80.0	262.4	11.390	52.50	30.0	1.6
85.0	278.8	11.560	52.81	34.0	1.9
90.0	295.2	11.660	52.99	20.0	1.1
95.0	311.6	11.830	53.29	34.0	1.9
100.0	328.0	11.950	53.51	24.0	1.3
105.0	344.4	12.110	53.80	32.0	1.8
110.0	360.8	12.280	54.10	34.0	1.9
115.0	377.2	12.430	54.37	30.0	1.6
120.0	393.6	12.620	54.72	38.0	2.1
125.0	410.0	12.840	55.11	44.0	2.4
130.0	426.4	12.980	55.36	28.0	1.5
135.0	442.8	13.140	55.65	32.0	1.8
140.0	459.2	13.440	56.19	60.0	3.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: SALEM AMS, OREGON

18S/ SE-11BD

HOLE NAME: REEL CRK

DATE MEASURED: 10/30/80

TEMPERATURE

DEPTH

FEET

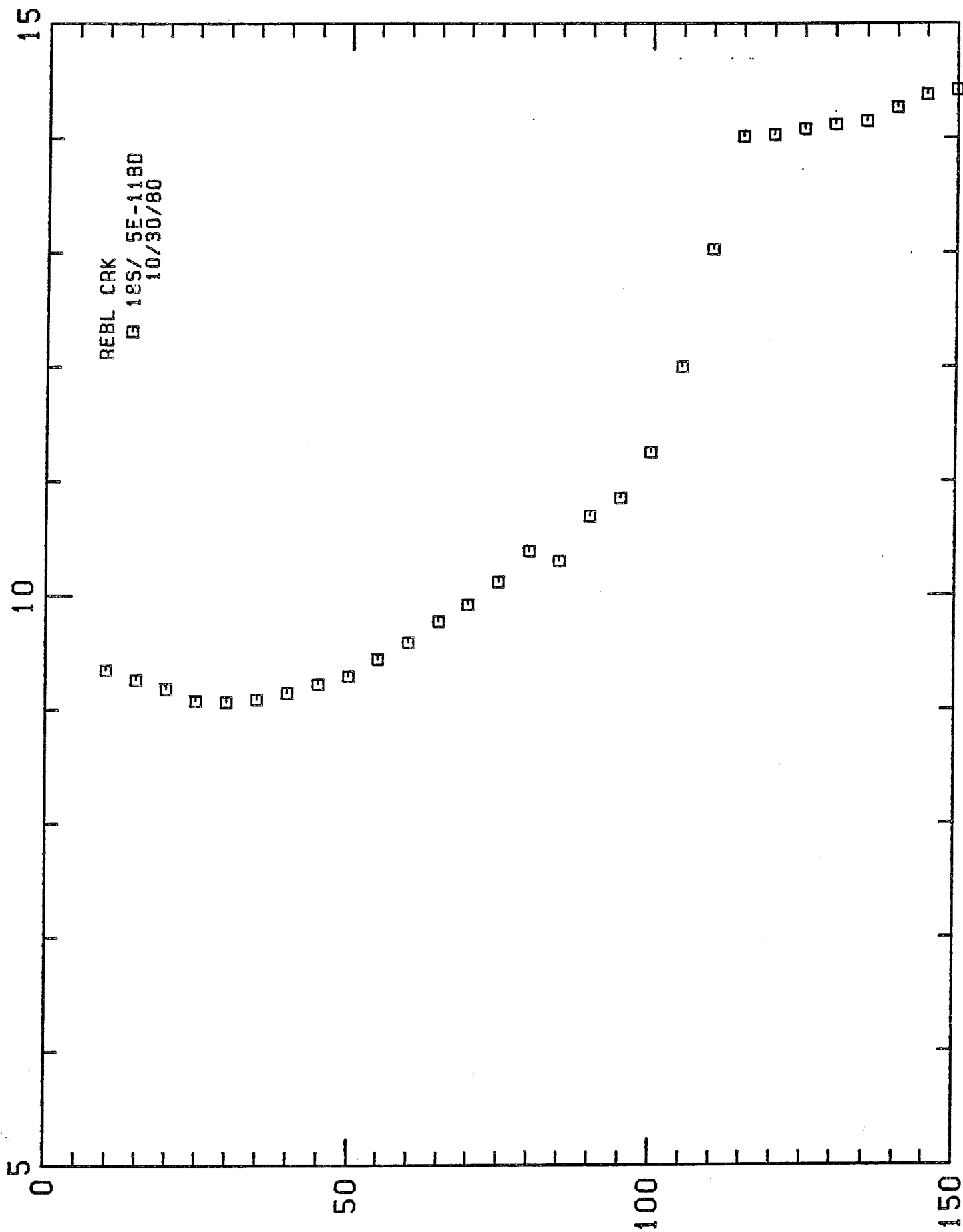
DEPTH

METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	9.350	48.83	0.0	0.0
15.0	49.2	9.260	48.67	-18.0	-1.0
20.0	65.6	9.180	48.52	-16.0	-0.9
25.0	82.0	9.080	48.34	-20.0	-1.1
30.0	98.4	9.070	48.33	-2.0	-0.1
35.0	114.8	9.090	48.36	4.0	0.2
40.0	131.2	9.150	48.47	12.0	0.7
45.0	147.6	9.220	48.60	14.0	0.8
50.0	164.0	9.290	48.72	14.0	0.8
55.0	180.4	9.440	48.99	30.0	1.6
60.0	196.8	9.590	49.26	30.0	1.6
65.0	213.2	9.770	49.59	36.0	2.0
70.0	229.6	9.920	49.86	30.0	1.6
75.0	246.0	10.120	50.22	40.0	2.2
80.0	262.4	10.390	50.70	54.0	3.0
85.0	278.8	10.690	50.54	-18.0	-1.0
90.0	295.2	10.990	51.24	78.0	4.3
95.0	311.6	10.850	51.53	32.0	1.8
100.0	328.0	11.250	52.25	80.0	4.4
105.0	344.4	12.000	53.60	150.0	8.2
110.0	360.8	13.030	55.45	206.0	11.3
115.0	377.2	14.010	57.22	196.0	10.8
120.0	393.6	14.030	57.25	4.0	0.2
125.0	410.0	14.080	57.34	10.0	0.5
130.0	426.4	14.120	57.42	8.0	0.4
135.0	442.8	14.150	57.47	6.0	0.3
140.0	459.2	14.270	57.69	24.0	1.3
145.0	475.6	14.380	57.88	22.0	1.2
150.0	492.0	14.420	57.96	8.0	0.4

TEMPERATURE, DEG C



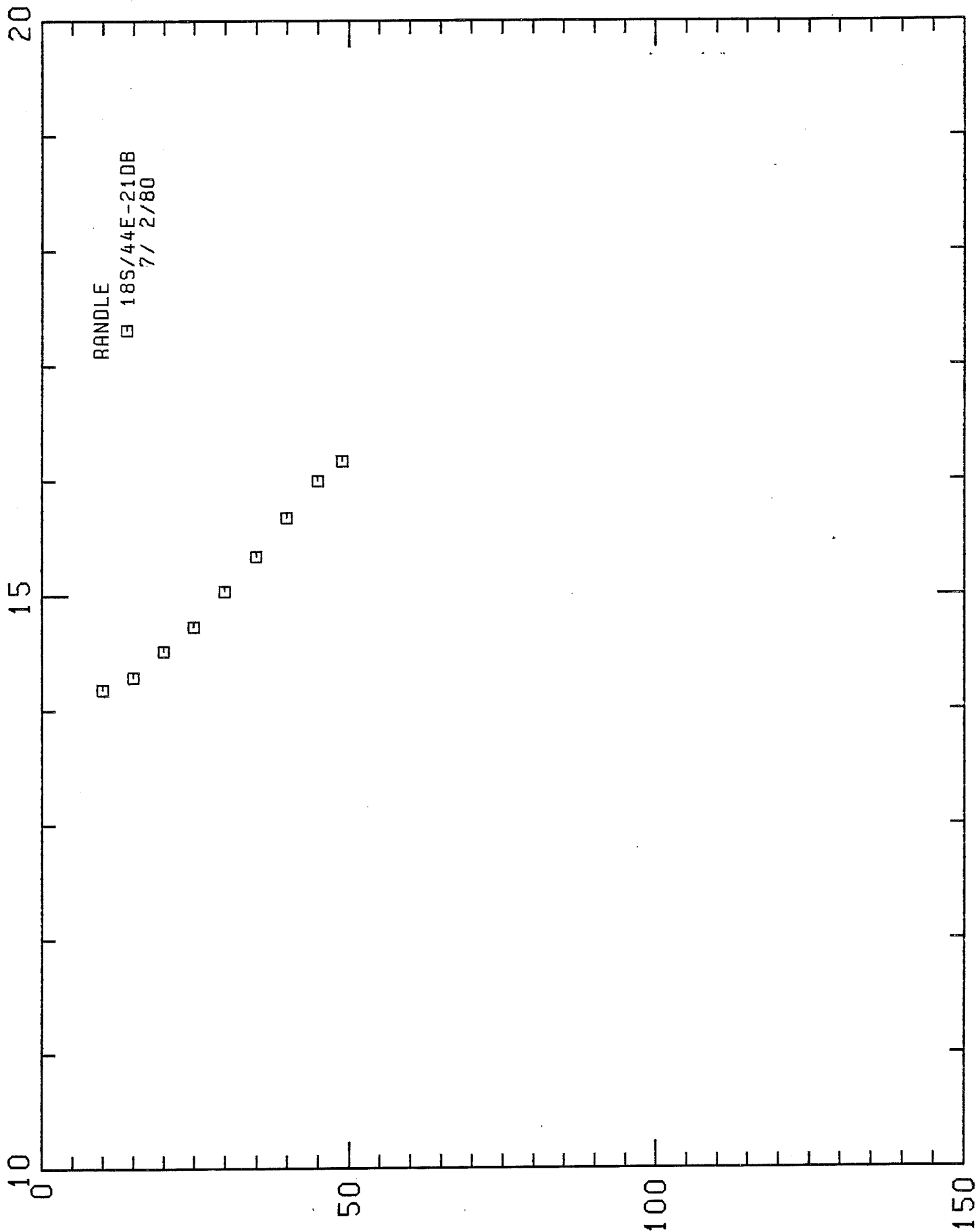
LOCATION: BOISE AMS, OREGON
18S/44E-21DB

HOLE NAME: RANDE

DATE MEASURED: 7/ 2/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.180	57.52	0.0	0.0
15.0	49.2	14.290	57.72	22.0	1.2
20.0	65.6	14.520	58.14	46.0	2.5
25.0	82.0	14.730	58.51	42.0	2.3
30.0	98.4	15.040	59.07	62.0	3.4
35.0	114.8	15.340	59.61	60.0	3.3
40.0	131.2	15.680	60.22	68.0	3.7
45.0	147.6	16.000	60.80	64.0	3.5
49.0	160.7	16.170	61.11	42.5	2.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BOISE AMS, OREGON

HOLE NAME: HIATT

DATE MEASURED: 7/ 2/80

DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0
15.0
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
85.0
90.0
92.0

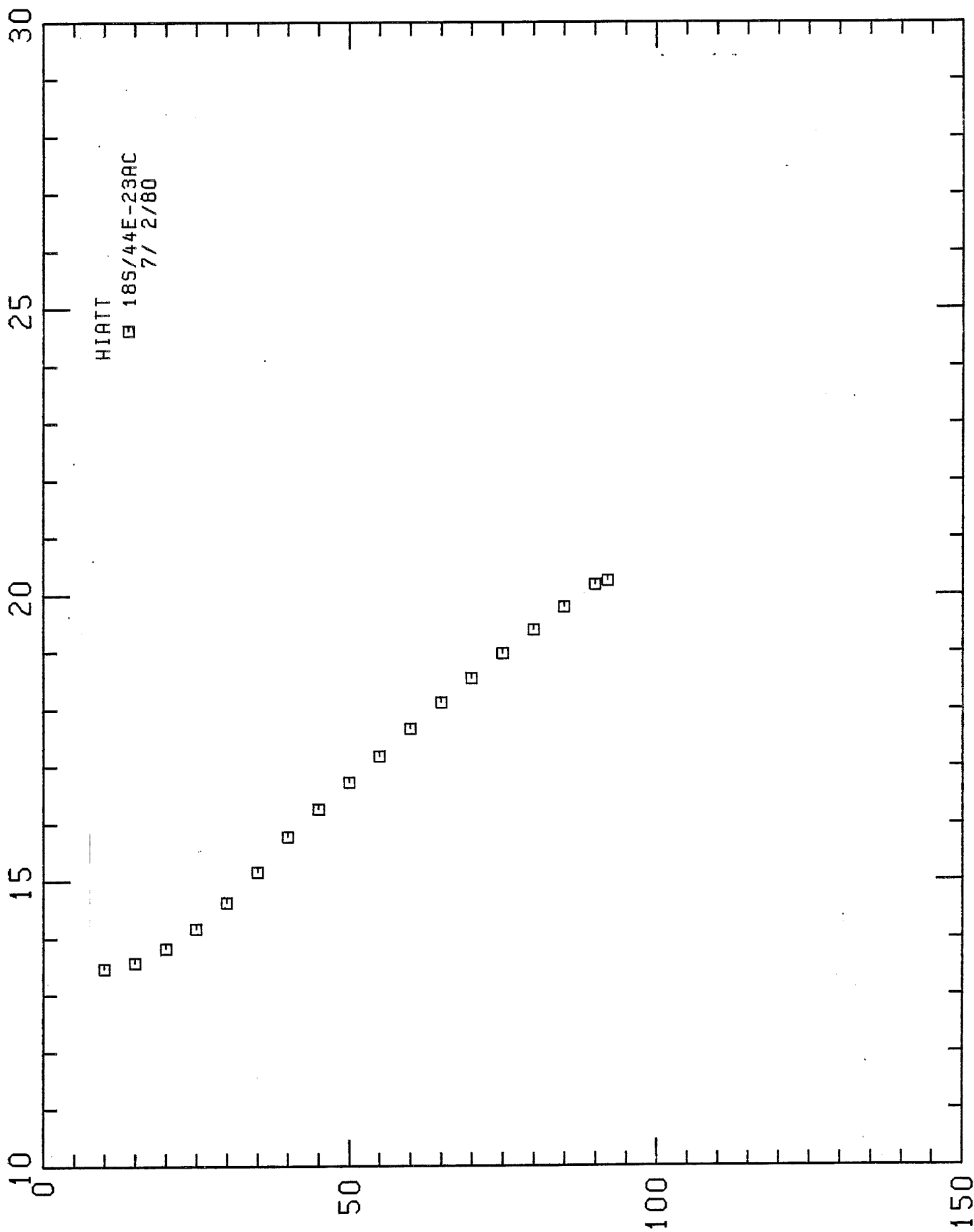
32.8
49.2
65.6
82.0
98.4
114.8
131.2
147.6
164.0
180.4
196.8
213.2
229.6
246.0
262.4
278.8
295.2
301.8

13.470
13.580
13.830
14.170
14.630
15.170
15.780
16.260
16.730
17.190
17.670
18.130
18.550
18.980
19.390
19.790
20.180
20.250

0.0
22.0
50.0
68.0
92.0
108.0
122.0
96.0
94.0
92.0
96.0
92.0
84.0
86.0
82.0
80.0
78.0
35.0

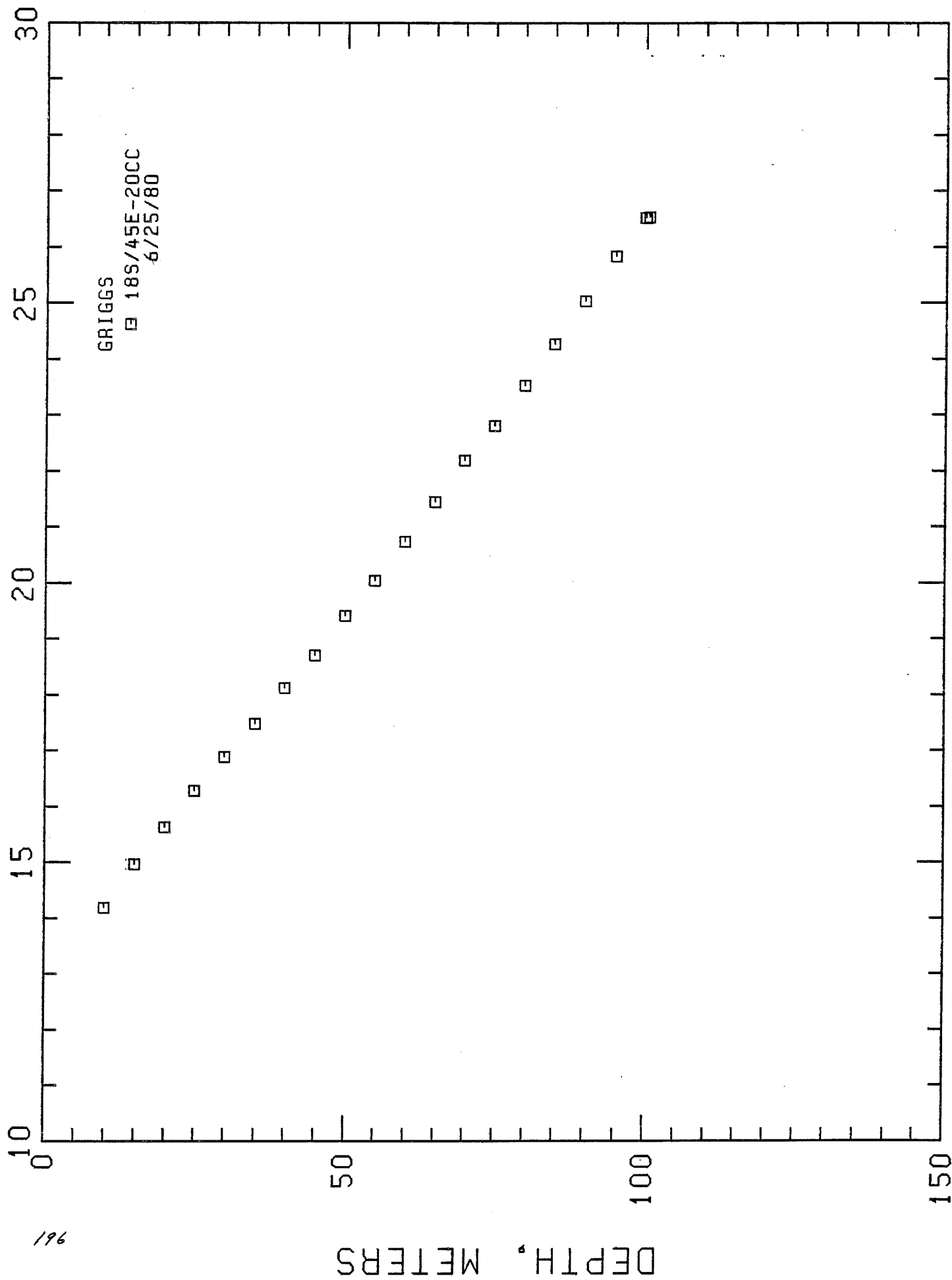
0.0
1.27
2.37
5.09
5.77
5.33
5.30
5.30
4.67
4.54
4.44
4.33
1.9

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON 18S/45E-20CC HOLE NAME: GRIGGS DATE MEASURED: 6/25/80					
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.190	57.54	0.0	0.0
15.0	49.2	14.970	58.95	156.0	8.6
20.0	65.6	15.630	60.13	132.0	7.2
25.0	82.0	16.280	61.30	130.0	7.1
30.0	98.4	16.890	62.40	122.0	6.7
35.0	114.8	17.480	63.46	118.0	6.5
40.0	131.2	18.130	64.63	130.0	7.1
45.0	147.6	18.710	65.68	116.0	6.4
50.0	164.0	19.420	66.96	142.0	7.8
55.0	180.4	20.050	68.09	126.0	6.9
60.0	196.8	20.740	69.33	138.0	7.6
65.0	213.2	21.450	70.61	142.0	7.8
70.0	229.6	22.190	71.94	148.0	8.1
75.0	246.0	22.810	73.06	124.0	6.8
80.0	262.4	23.530	74.35	144.0	7.9
85.0	278.8	24.270	75.69	148.0	8.1
90.0	295.2	25.040	77.07	154.0	8.5
95.0	311.6	25.840	78.51	160.0	8.8
100.0	328.0	26.520	79.74	136.0	7.5
100.5	329.6	26.540	79.77	40.0	2.2

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BOISE AMS, OREGON

HOLE NAME: 18S/45E-29BA1

DATE MEASURED: 7/29/80

TEMPERATURE

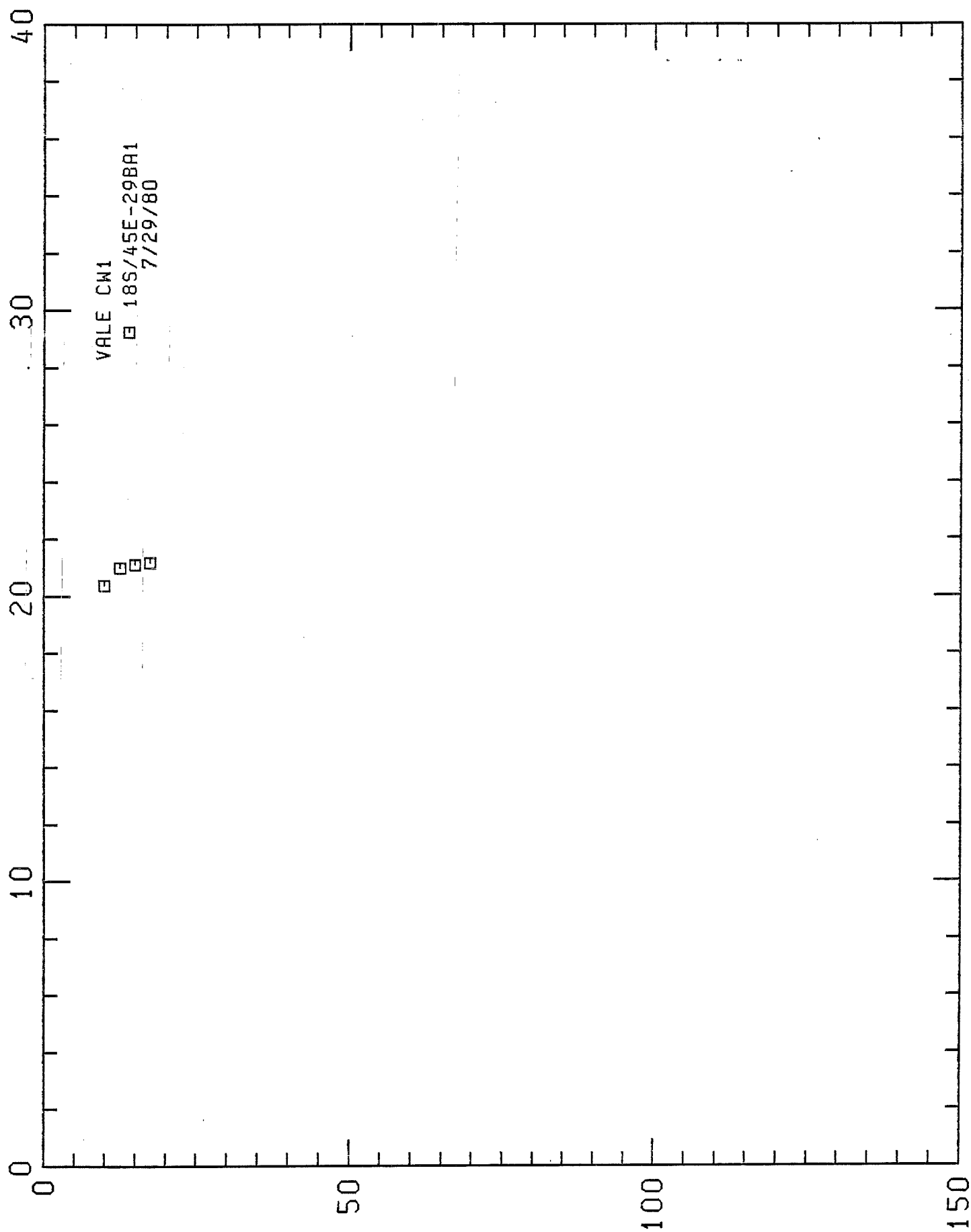
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

32.8	20.380	68.68	0.0	0.0
41.0	21.010	69.82	252.0	13.8
49.2	21.120	70.02	44.0	2.4
57.4	21.180	70.12	24.0	1.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BOISE AMS, OREGON

HOLE NAME: 18S/4SE-29BA2

DATE MEASURED: 7/30/80

TEMPERATURE

DEPTH DEGREE C DEGREE F

DEPTH METERS

10.0
15.0
20.0
25.0
30.0
35.0
38.0

32.8
49.2
65.6
82.0
98.4
114.8
124.6

30.570
30.620
30.870
31.820
32.510
34.650
34.970

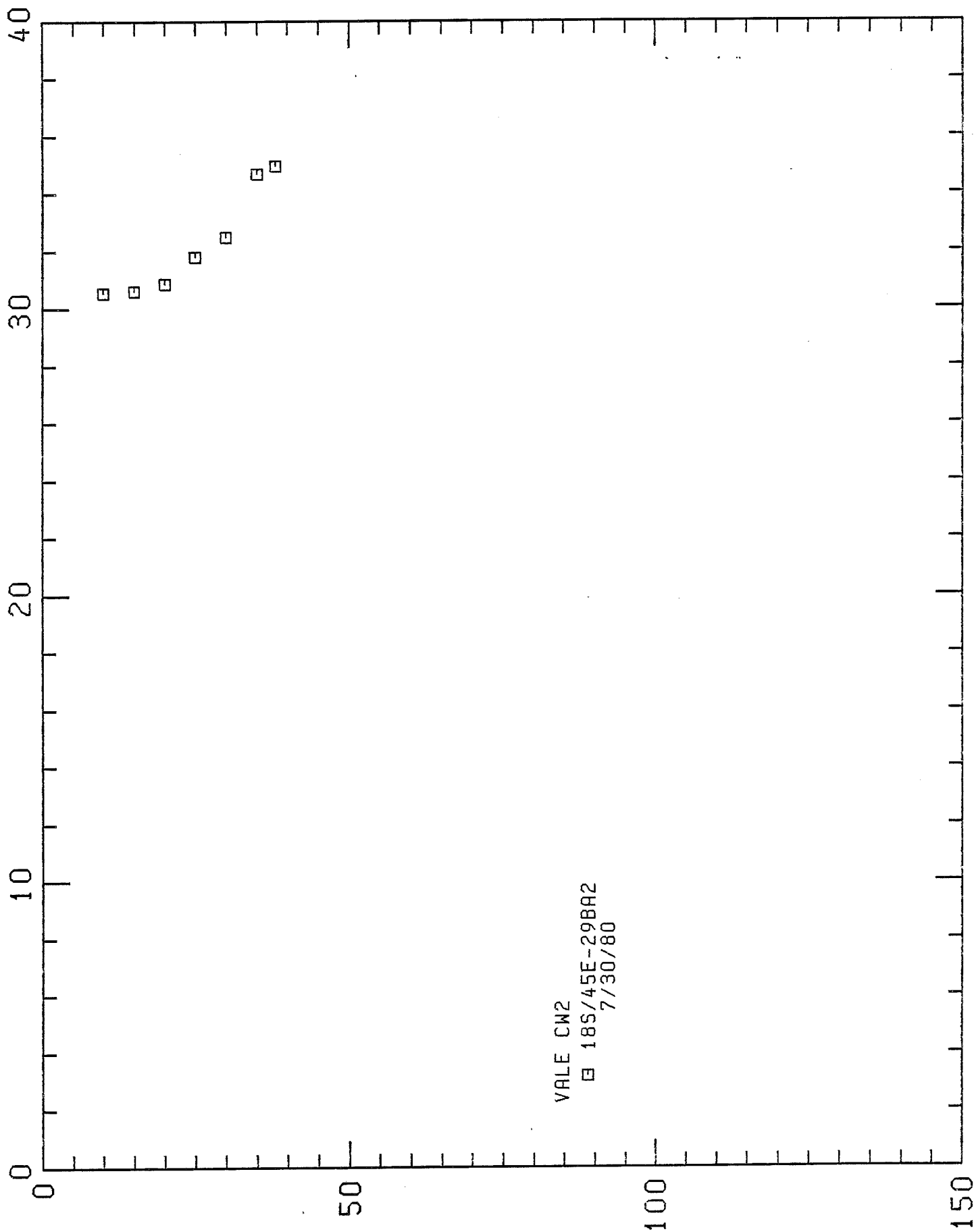
87.03
87.12
87.57
89.28
90.52
94.44
94.95

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0
10.0
50.0
190.0
138.0
436.0
93.3

0.0
0.5
2.7
10.4
7.6
23.9
5.1

TEMPERATURE, DEG C



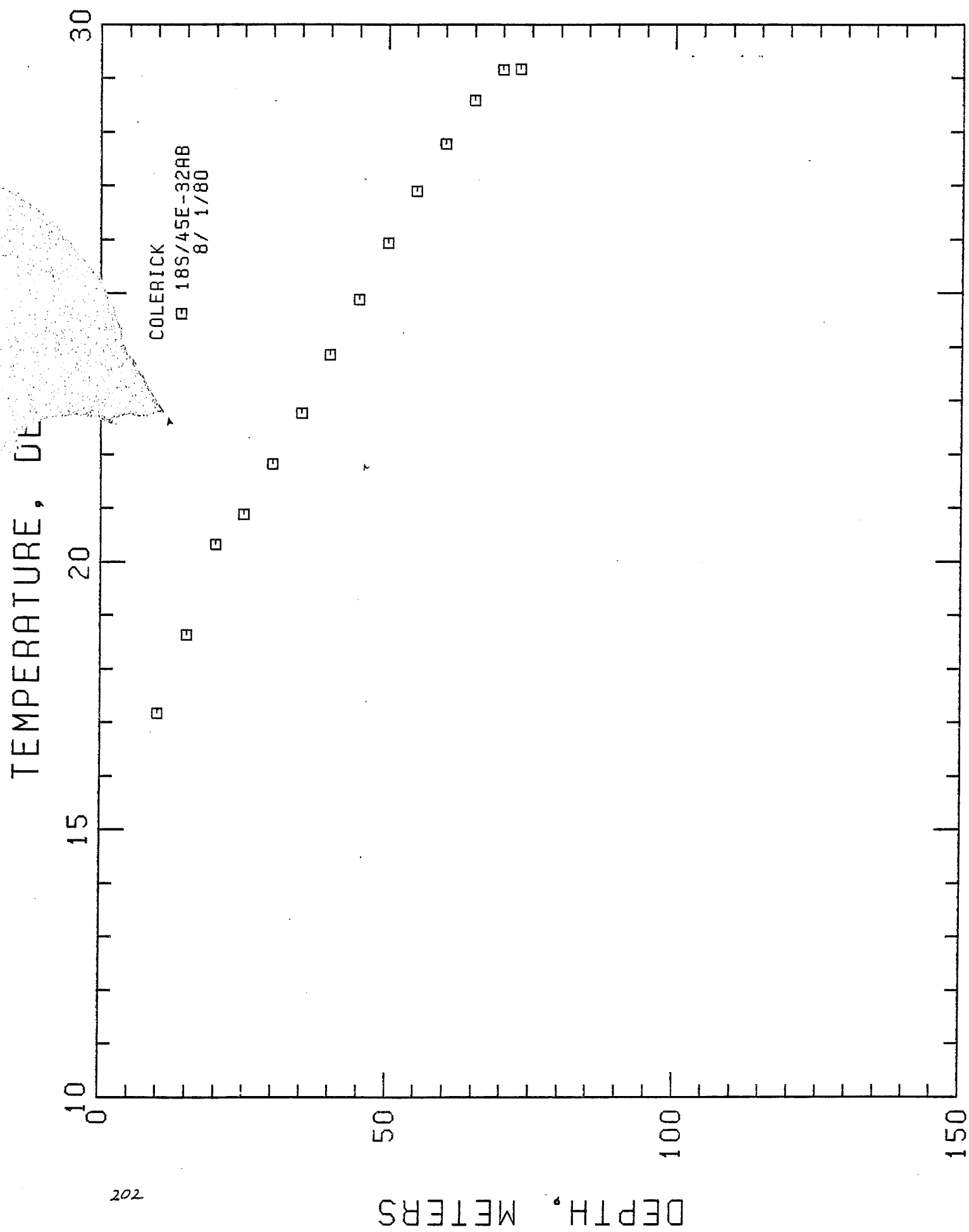
DEPTH, METERS

LOCATION: BOISE AMS, OREGON

18S/45E-32AB
HOLE NAME: COLERICK

DATE MEASURED: 8/ 1/80

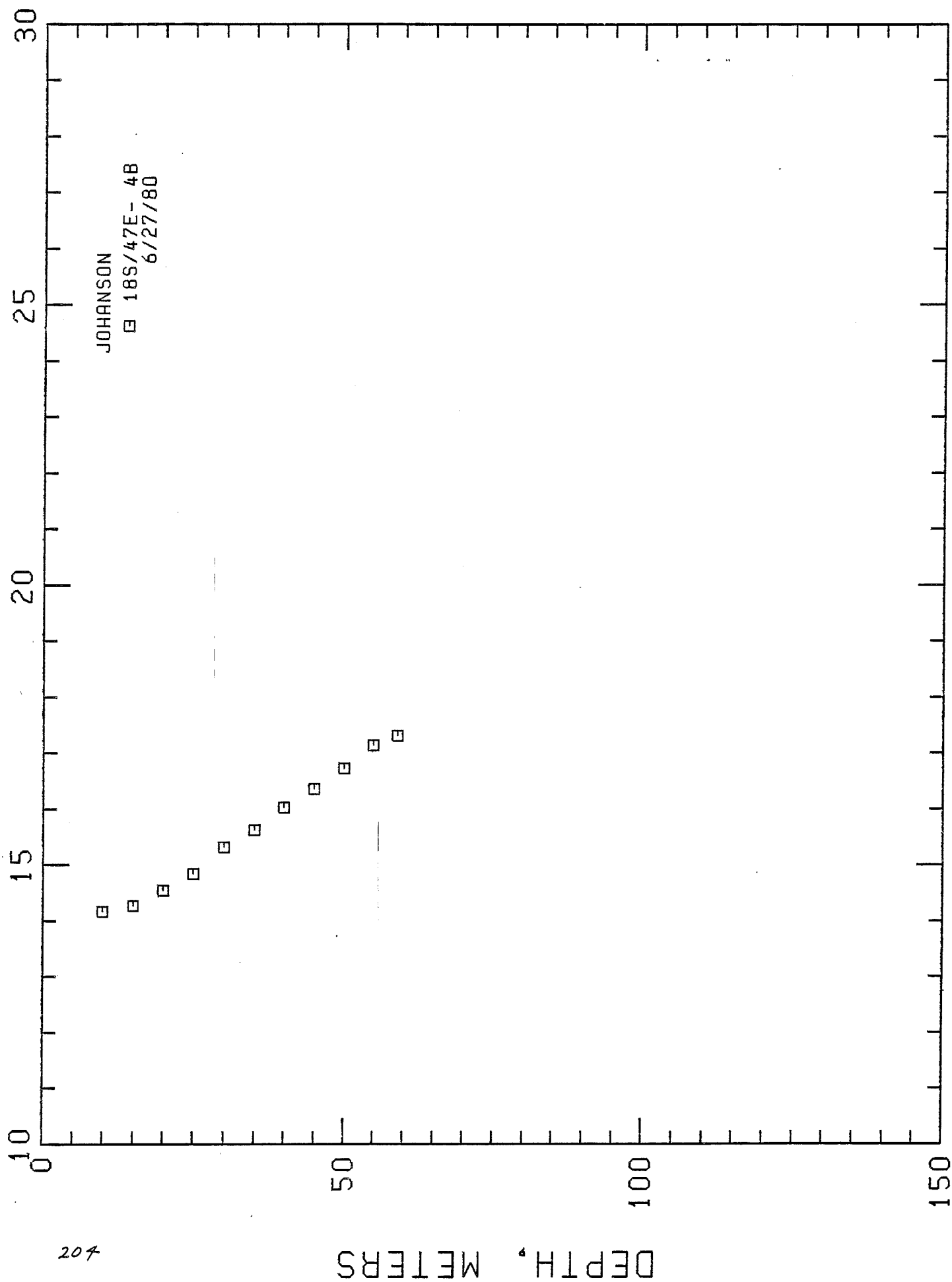
DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	17.180	62.92	0.0	0.0
15.0	49.2	18.640	65.55	292.0	16.0
20.0	65.6	20.330	68.59	338.0	18.5
25.0	82.0	20.890	69.60	112.0	6.1
30.0	98.4	21.830	71.29	188.0	10.3
35.0	114.8	22.780	73.00	190.0	10.4
40.0	131.2	23.860	74.95	216.0	11.9
45.0	147.6	24.890	76.80	206.0	11.3
50.0	164.0	25.940	78.69	210.0	11.5
55.0	180.4	26.900	80.42	192.0	10.5
60.0	196.8	27.780	82.00	176.0	9.7
65.0	213.2	28.590	83.46	162.0	8.9
70.0	229.6	29.160	84.49	114.0	6.3
73.0	239.4	29.180	84.52	6.7	0.4



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TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 19S/ 4E-29CCB

DATE MEASURED: 9/17/80

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

15.0	49.2	8.860	47.95	0.0	0.6
17.0	55.8	8.920	48.06	30.0	1.8
19.0	62.3	8.950	48.11	15.0	0.8
21.0	68.9	9.030	48.25	40.0	2.2
23.0	75.4	9.100	48.38	35.0	2.9
25.0	82.0	9.160	48.49	30.0	1.6
27.0	88.6	9.300	48.74	70.0	3.8
29.0	95.1	9.520	49.14	110.0	6.0
31.0	101.7	9.670	49.41	75.0	4.1
33.0	108.2	9.870	49.77	100.0	5.5
35.0	114.8	9.930	49.87	30.0	1.6
37.0	121.4	9.940	49.89	5.0	0.3
39.0	127.9	9.990	49.98	25.0	1.4
41.0	134.5	10.020	50.04	15.0	0.8
43.0	141.0	10.050	50.09	15.0	0.8
45.0	147.6	10.080	50.14	20.0	1.1
47.0	154.2	10.120	50.22	30.0	1.6
49.0	160.7	10.180	50.32	110.0	6.0
51.0	167.3	10.400	50.72	190.0	10.4
53.0	173.8	10.780	51.40	75.0	4.1
55.0	180.4	10.930	51.67	25.0	1.4
57.0	187.0	11.030	51.76	25.0	1.4
59.0	193.5	11.050	51.85	10.0	0.5
61.0	200.1	11.070	51.89	5.0	0.3
63.0	206.6	11.080	51.93	35.0	1.6
65.0	213.8	11.150	52.07	120.0	6.7
67.0	220.9	11.390	52.50	85.0	4.1
69.0	228.9	11.560	53.01	75.0	3.3
71.0	239.4	11.710	53.08	60.0	3.3
73.0	246.0	11.840	53.31	55.0	3.3
75.0	252.6	11.960	53.53	70.0	3.8
77.0	259.1	12.070	53.73	60.0	3.3
79.0	265.7	12.210	53.98	60.0	3.3
81.0	272.2	12.330	54.19	65.0	3.6
83.0	278.8	12.450	54.41	65.0	3.6
85.0	285.4	12.580	54.64	65.0	3.6
87.0	291.9	12.700	54.86	65.0	3.6
89.0	298.5	12.830	55.09	65.0	3.6
91.0	305.0	12.930	55.27	65.0	3.6
93.0	311.6	13.060	55.51	65.0	3.6

LOCATION: ROSEBURG AMS, OREGON

19S/ 4E-29CCB

HOLE NAME: CHRS CRK

DATE MEASURED: 9/17/80

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

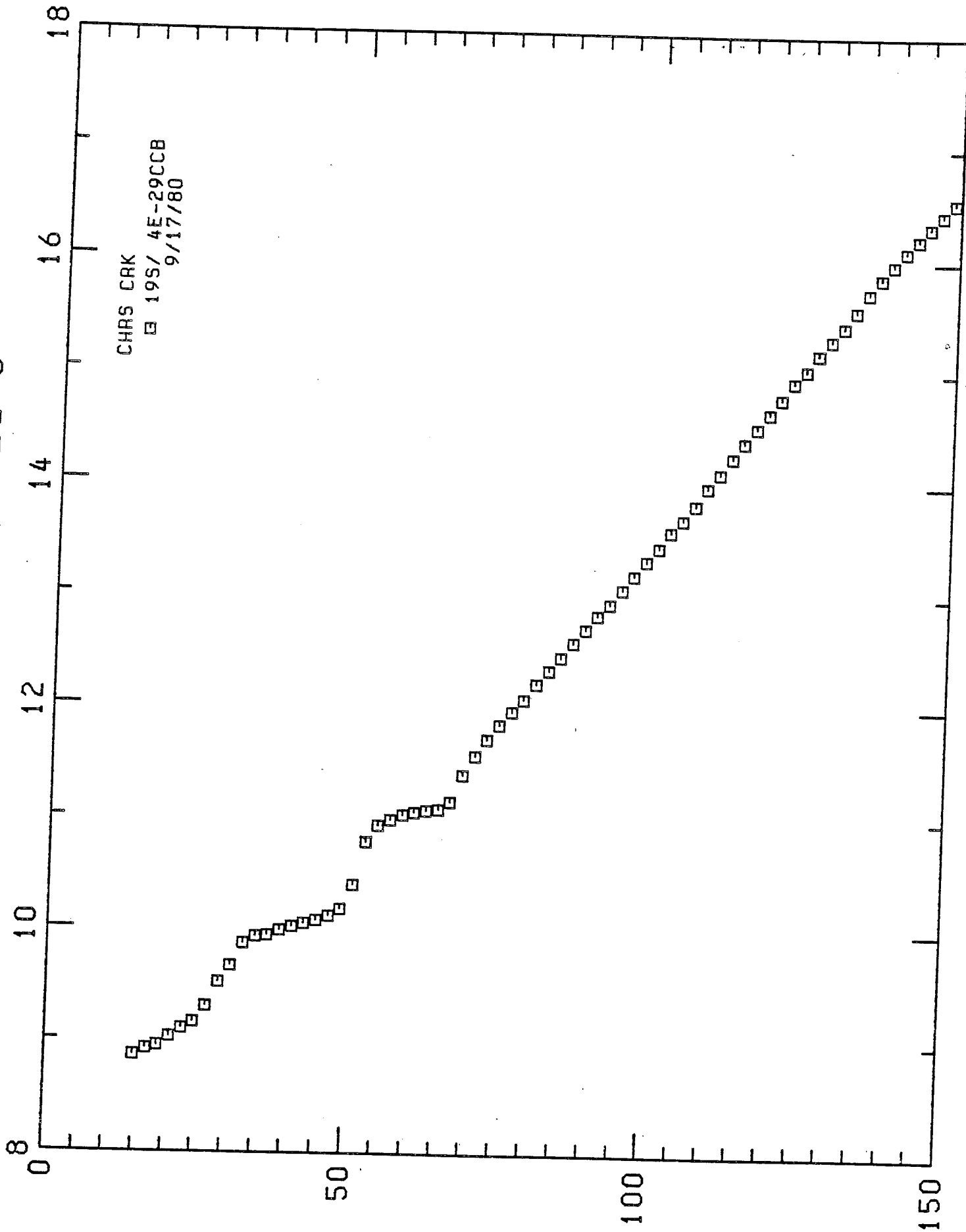
TEMPERATURE
DEG C DEG F

DEPTH
FEET

DEPTH
METERS

97.0	318.2	13.190	55.74	65.0	3.6
99.0	324.7	13.320	55.98	65.0	3.6
101.0	331.3	13.440	56.19	60.0	3.3
103.0	337.8	13.580	56.44	70.0	3.8
105.0	344.4	13.690	56.64	55.0	3.0
107.0	351.0	13.820	56.88	65.0	3.6
109.0	357.5	13.980	57.16	80.0	4.4
111.0	364.1	14.110	57.40	65.0	3.6
113.0	370.6	14.250	57.65	70.0	3.8
115.0	377.2	14.390	57.90	70.0	3.8
117.0	383.8	14.520	58.14	65.0	3.6
119.0	390.3	14.650	58.37	65.0	3.6
121.0	396.9	14.780	58.60	65.0	3.6
123.0	403.4	14.930	58.87	75.0	4.1
125.0	410.0	15.040	59.07	55.0	3.0
127.0	416.6	15.180	59.32	70.0	3.8
129.0	423.1	15.310	59.55	65.0	3.6
131.0	429.7	15.430	59.77	60.0	3.3
133.0	436.2	15.570	60.03	70.0	3.8
135.0	442.8	15.730	60.31	80.0	4.4
137.0	449.4	15.860	60.55	65.0	3.6
139.0	455.9	15.980	60.76	60.0	3.3
141.0	462.5	16.100	60.98	60.0	3.3
143.0	469.0	16.210	61.18	55.0	3.0
145.0	475.6	16.320	61.38	55.0	3.0
147.0	482.2	16.430	61.57	55.0	3.0
149.0	488.7	16.540	61.77	55.0	3.0
151.0	495.3	16.660	61.99	60.0	3.2
153.0	501.8	16.760	62.17	50.0	2.7

TEMPERATURE, DEG C



LOCATION: ROSEBURG AMS, OREGON

19S/ SE-27BCC

HOLE NAME: BRCK CRK

DATE MEASURED: 9/17/80

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

TEMPERATURE
DEG C DEG F

DEPTH
FEET

DEPTH
METERS

30.0	98.4	11.110	52.00	0.0	0.0	0.0
32.0	105.0	9.600	49.28	-755.0	-41.4	1.4
34.0	111.5	9.650	49.37	25.0	1.4	0.8
36.0	118.1	9.680	49.42	15.0	0.8	0.3
38.0	124.6	9.700	49.45	10.0	0.3	0.0
40.0	131.2	9.710	49.48	5.0	0.0	0.0
42.0	137.8	9.710	49.48	0.0	0.0	0.0
44.0	144.3	9.740	49.53	15.0	0.8	2.2
46.0	150.9	9.820	49.68	40.0	2.2	0.7
48.0	157.4	9.850	49.73	15.0	0.7	0.8
50.0	164.0	9.950	49.91	50.0	2.8	1.1
52.0	170.6	9.980	49.96	20.0	0.8	1.5
54.0	177.1	10.020	50.04	10.0	0.5	0.9
56.0	183.7	10.040	50.07	10.0	0.5	0.2
58.0	190.2	10.060	50.11	35.0	1.2	2.0
60.0	196.8	10.130	50.23	50.0	2.0	3.3
62.0	203.4	10.230	50.41	40.0	2.0	3.5
64.0	209.9	10.310	50.56	0.0	0.0	2.0
66.0	216.5	10.310	50.56	60.0	3.3	4.4
68.0	223.0	10.430	50.77	10.0	0.5	0.2
70.0	229.6	10.450	50.81	40.0	2.0	3.5
72.0	236.2	10.530	50.95	55.0	3.3	4.4
74.0	242.7	10.640	51.15	80.0	4.4	5.8
76.0	249.3	10.800	51.44	245.0	13.4	18.0
78.0	255.8	11.290	52.32	145.0	8.0	10.5
80.0	262.4	11.580	52.84	15.0	0.5	0.3
82.0	269.0	11.610	52.90	10.0	0.3	0.0
84.0	275.5	11.630	52.93	5.0	0.0	0.0
86.0	282.1	11.640	52.95	0.0	0.0	0.0
88.0	288.6	11.700	53.06	30.0	1.6	2.0
90.0	295.2	11.720	53.10	10.0	0.5	0.5
92.0	301.8	11.740	53.13	10.0	0.5	0.5
94.0	308.3	11.760	53.17	15.0	0.8	1.1
96.0	314.9	11.790	53.22	35.0	1.9	2.5
98.0	321.4	11.860	53.35	30.0	1.4	1.6
100.0	328.0	11.910	53.44	30.0	1.4	1.6
102.0	334.6	11.970	53.55	10.0	0.5	0.5
104.0	341.1	11.990	53.58	-10.0	-0.0	-0.0
106.0	347.7	11.970	53.55	20.0	1.1	1.1
108.0	354.2	12.010	53.62			
110.0	360.8					

LOCATION: ROSEBURG AMS, OREGON

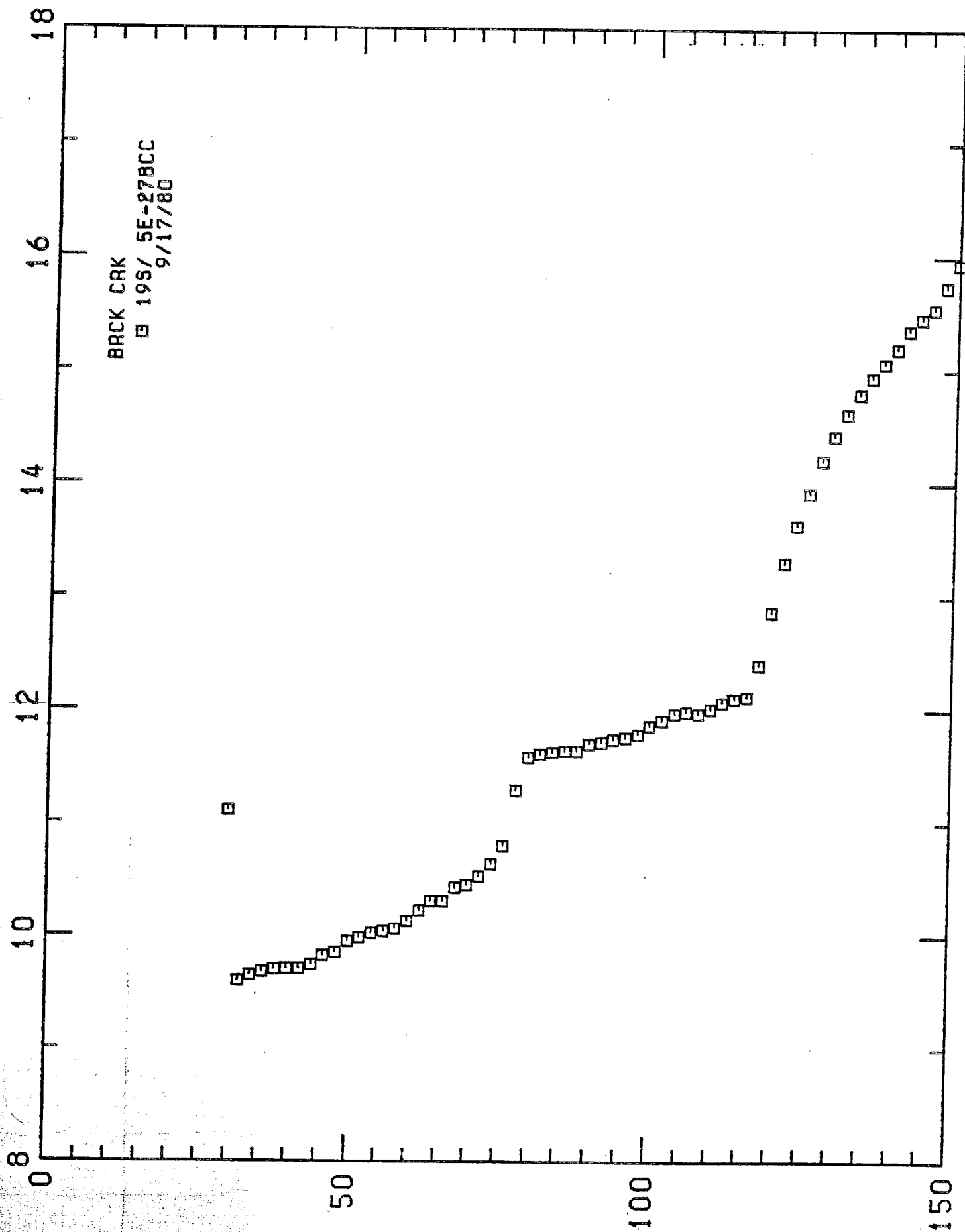
19S/ SE-27BC

HOLE NAME: BRCK CRK

DATE MEASURED: 9/17/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
112.0	367.4	12.070	53.73	30.0	1.6
114.0	373.9	12.100	53.78	15.0	0.8
116.0	380.5	12.120	53.82	10.0	0.5
118.0	387.0	12.400	54.32	140.0	7.7
120.0	393.6	12.870	55.17	235.0	12.9
122.0	400.2	13.310	55.96	220.0	12.1
124.0	406.7	13.640	56.55	165.0	9.1
126.0	413.3	13.920	57.06	140.0	7.7
128.0	419.8	14.210	57.58	145.0	8.0
130.0	426.4	14.430	57.97	110.0	6.0
132.0	433.0	14.620	58.32	95.0	5.2
134.0	439.5	14.800	58.64	90.0	4.9
136.0	446.1	14.940	58.89	70.0	3.8
138.0	452.6	15.070	59.13	65.0	3.6
140.0	459.2	15.200	59.36	65.0	3.6
142.0	465.8	15.350	59.63	60.0	3.4
144.0	472.3	15.460	59.83	50.0	2.7
146.0	478.9	15.550	59.99	45.0	2.5
148.0	485.4	15.740	60.33	95.0	5.3
150.0	492.0	15.940	60.69	100.0	5.3
152.0	498.6	16.060	60.91	60.0	3.3

TEMPERATURE, DEG C



LOCATION: ROSELBURG AMS, OREGON

HOLE NAME: ELK CRK

DATE MEASURED: 11/ 5/80

DEPTH
FEET

DEPTH
METERS

TEMPERATURE
DEG C

DEG F

GEOTHERMAL GRADIENT
DEG C/KM
DEG F/100 FT

5.0	16.4	12.430	54.37	0.0	0.3
7.0	23.5	12.420	54.36	-5.0	0.2
9.0	29.5	12.500	54.50	40.0	2.6
11.0	36.1	12.740	54.93	120.0	5.1
13.0	42.6	12.890	55.20	75.0	4.1
15.0	49.2	12.990	55.38	50.0	2.7
17.0	55.8	13.180	55.72	55.0	3.2
19.0	62.3	13.290	55.92	55.0	3.0
21.0	68.9	13.350	56.03	30.0	1.6
23.0	75.4	13.490	56.28	70.0	3.8
25.0	82.0	13.600	56.48	55.0	3.0
27.0	88.6	13.770	56.79	45.0	3.3
29.0	95.1	13.850	56.93	40.0	3.2
31.0	101.7	13.940	57.09	45.0	3.2
33.0	108.2	14.140	57.45	100.0	3.6
35.0	114.8	14.270	57.69	65.0	3.6
37.0	121.4	14.400	57.92	50.0	3.7
39.0	127.9	14.500	58.10	50.0	3.7
41.0	134.5	14.570	58.23	35.0	2.1
43.0	141.0	14.670	58.41	0.0	1.7
45.0	147.6	14.760	58.57	45.0	3.5
47.0	154.2	14.820	58.68	30.0	1.5
49.0	160.7	14.870	58.77	30.0	1.4
51.0	167.3	14.960	58.93	45.0	3.0
53.0	173.8	15.070	59.13	55.0	3.9
55.0	180.4	15.110	59.20	20.0	1.1
57.0	187.0	15.150	59.27	20.0	1.1
59.0	193.5	15.230	59.41	40.0	2.2
61.0	200.1	15.350	59.63	60.0	3.2
63.0	206.6	15.430	59.77	40.0	1.8
65.0	213.2	15.500	59.90	35.0	1.3
67.0	219.8	15.640	60.15	70.0	3.8
69.0	226.3	15.770	60.39	65.0	3.6
71.0	232.9	15.830	60.49	30.0	1.6
73.0	239.4	15.860	60.55	15.0	0.6
75.0	246.0	15.920	60.66	15.0	0.6
77.0	252.6	15.960	60.73	20.0	1.1
79.0	259.1	16.010	60.82	20.0	1.1
81.0	265.7	16.100	60.98	45.0	3.4
83.0	272.2	16.180	61.12	40.0	3.2
85.0	278.8				

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 19S/ 6E-25DCD

DATE MEASURED: 9/17/80

TEMPERATURE

DEPTH FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH METERS

36.0	118.1	10.300	50.54	0.0	0.0
38.0	124.6	10.040	50.07	-130.0	-7.1
40.0	131.2	10.210	50.38	85.0	4.7
42.0	137.8	10.270	50.49	30.0	1.6
44.0	144.3	10.380	50.68	55.0	3.0
46.0	150.9	10.520	50.94	70.0	3.8
48.0	157.4	10.630	51.13	55.0	3.0
50.0	164.0	10.740	51.33	55.0	3.0
52.0	170.6	10.840	51.51	70.0	3.8
54.0	177.1	10.980	51.76	50.0	2.8
56.0	183.7	11.150	52.07	85.0	4.7
58.0	190.2	11.290	52.32	70.0	3.8
60.0	196.8	11.440	52.59	75.0	4.1
62.0	203.4	11.610	52.90	85.0	4.7
64.0	209.9	11.760	53.17	75.0	4.1
66.0	216.5	11.910	53.44	75.0	4.1
68.0	223.0	12.060	53.71	80.0	4.4
70.0	229.6	12.220	54.00	85.0	4.7
72.0	236.2	12.350	54.23	65.0	3.6
74.0	242.7	12.520	54.54	85.0	4.7
76.0	249.3	12.660	54.79	70.0	3.8
78.0	255.8	12.780	55.00	60.0	3.3
80.0	262.4	12.880	55.18	50.0	2.8
82.0	269.0	12.980	55.36	55.0	3.0
84.0	275.5	13.090	55.56	55.0	3.0
86.0	282.1	13.210	55.78	60.0	3.3
88.0	288.6	13.310	55.96	50.0	2.8
90.0	295.2	13.410	56.14	50.0	2.8
94.0	301.8	13.500	56.30	45.0	2.5
96.0	308.3	13.650	56.57	75.0	4.1
98.0	314.9	13.740	56.73	45.0	2.5
100.0	321.4	13.850	56.93	55.0	3.0
102.0	328.0	14.000	57.20	75.0	4.1
104.0	334.6	14.110	57.40	55.0	3.0
106.0	341.1	14.270	57.69	80.0	4.4
108.0	347.7	14.380	57.88	55.0	3.0
110.0	354.2	14.540	58.17	80.0	4.4
112.0	360.8	14.700	58.46	80.0	4.4
114.0	367.4	14.820	58.68	60.0	3.3
116.0	373.9	14.980	58.96	80.0	4.4
	380.5	15.150	59.27	85.0	4.7

LOCATION: ROSEBURG AMS, OREGON

PAGE 2

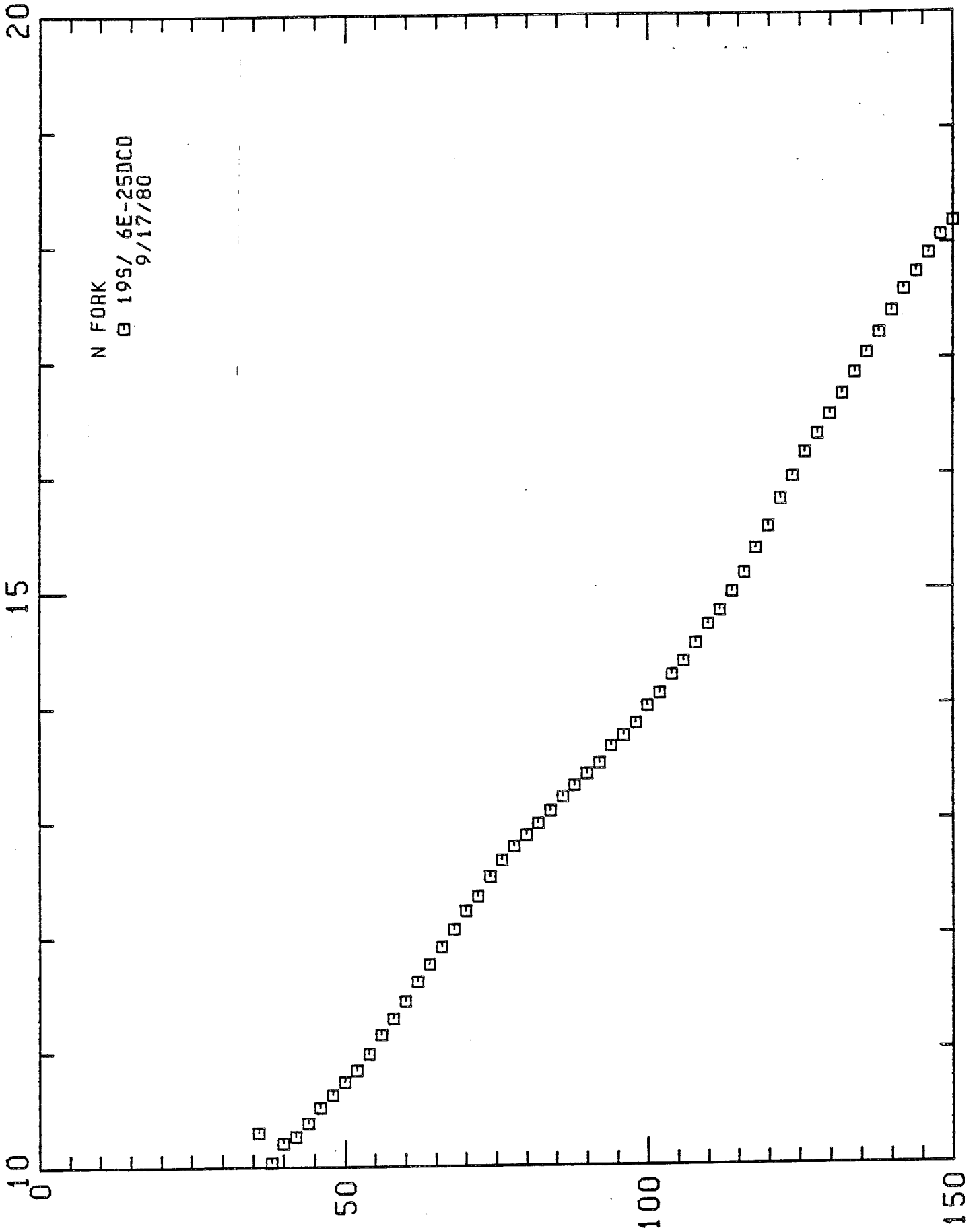
19S/ 6E-25DCD

HOLE NAME: N FORK

DATE MEASURED: 9/17/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	DEG F/100 FT
		DEG C	DEG F		
118.0	387.0	15.360	59.65	105.0	5.2
120.0	393.6	15.550	59.99	95.0	5.2
122.0	400.2	15.750	60.42	120.0	5.6
124.0	406.7	15.980	60.76	95.0	5.2
126.0	413.3	16.190	61.14	105.0	5.8
128.0	419.8	16.350	61.43	80.0	4.4
130.0	426.4	16.520	61.74	85.0	4.7
132.0	433.0	16.700	62.06	90.0	4.9
134.0	439.5	16.880	62.38	90.0	4.9
136.0	446.1	17.050	62.69	85.0	4.7
138.0	452.6	17.220	63.00	95.0	5.2
140.0	459.2	17.410	63.34	95.0	5.2
142.0	465.8	17.600	63.68	95.0	5.2
144.0	472.3	17.750	63.95	75.0	4.1
146.0	478.9	17.910	64.24	80.0	4.4
148.0	485.4	18.070	64.53	80.0	4.4
150.0	492.0	18.190	64.74	60.0	3.3
152.0	498.6	18.510	65.32	160.0	8.8

TEMPERATURE, DEG C



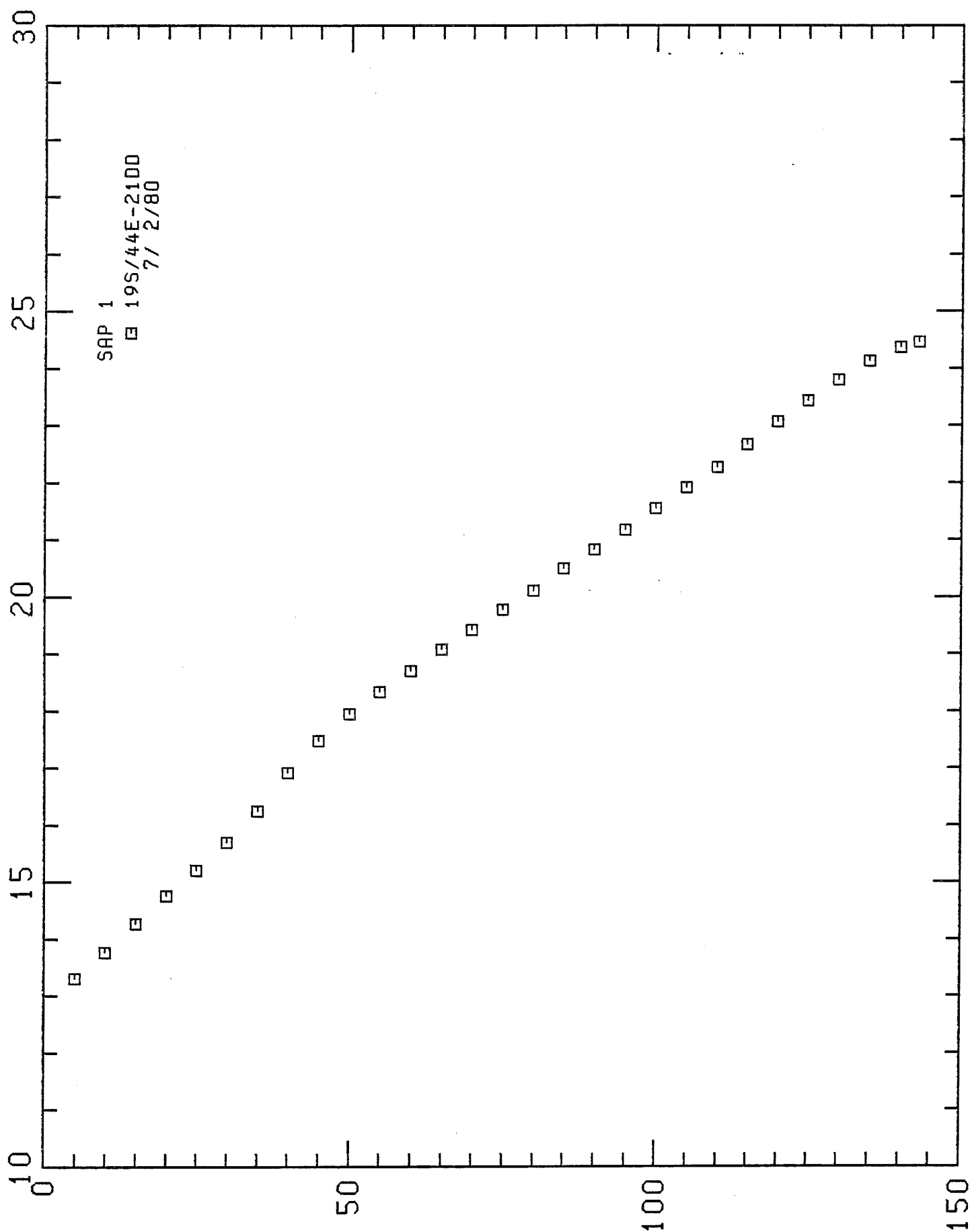
LOCATION: BOISE AMS, OREGON
19S/44E-21DD

HOLE NAME: SAP 1

DATE MEASURED: 7/ 2/80

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	13.310	55.96	0.0	0.0
10.0	32.8	13.770	56.79	92.0	5.0
15.0	49.2	14.270	57.69	100.0	5.5
20.0	65.6	14.770	58.59	100.0	5.5
25.0	82.0	15.210	59.38	88.0	4.8
30.0	98.4	15.700	60.26	98.0	5.4
35.0	114.8	16.250	61.25	110.0	6.0
40.0	131.2	16.920	62.46	134.0	7.4
45.0	147.6	17.490	63.48	114.0	6.3
50.0	164.0	17.950	64.31	92.0	5.0
55.0	180.4	18.340	65.01	78.0	4.3
60.0	196.8	18.710	65.68	74.0	4.1
65.0	213.2	19.080	66.34	74.0	4.1
70.0	229.6	19.430	66.97	70.0	3.8
75.0	246.0	19.780	67.60	70.0	3.8
80.0	262.4	20.110	68.20	66.0	3.6
85.0	278.8	20.500	68.90	78.0	4.3
90.0	295.2	20.830	69.49	66.0	3.6
95.0	311.6	21.180	70.12	70.0	3.8
100.0	328.0	21.550	70.79	74.0	4.1
105.0	344.4	21.920	71.46	74.0	4.1
110.0	360.8	22.270	72.09	70.0	3.8
115.0	377.2	22.670	72.81	80.0	4.4
120.0	393.6	23.070	73.53	80.0	4.4
125.0	410.0	23.440	74.19	74.0	4.1
130.0	426.4	23.810	74.86	74.0	4.1
135.0	442.8	24.140	75.45	66.0	3.6
140.0	459.2	24.380	75.88	48.0	2.6
143.0	469.0	24.470	76.05	30.0	1.6

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON
19S/44E-22CA

HOLE NAME: SAP 2

DATE MEASURED: 7/ 2/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.450	58.01	0.0	0.0
15.0	49.2	14.600	58.28	30.0	1.67
20.0	65.6	14.850	58.73	50.0	2.7
25.0	82.0	15.110	59.20	52.0	2.9
30.0	98.4	15.330	59.59	44.0	2.4
35.0	114.8	15.550	59.99	44.0	2.4
40.0	131.2	15.720	60.30	34.0	1.9
45.0	147.6	15.880	60.58	32.0	1.8
50.0	164.0	16.070	60.93	38.0	2.1
55.0	180.4	16.190	61.14	24.0	1.3
62.5	205.0	16.300	61.34	14.7	0.8

TEMPERATURE, DEG C

20

15

10

020

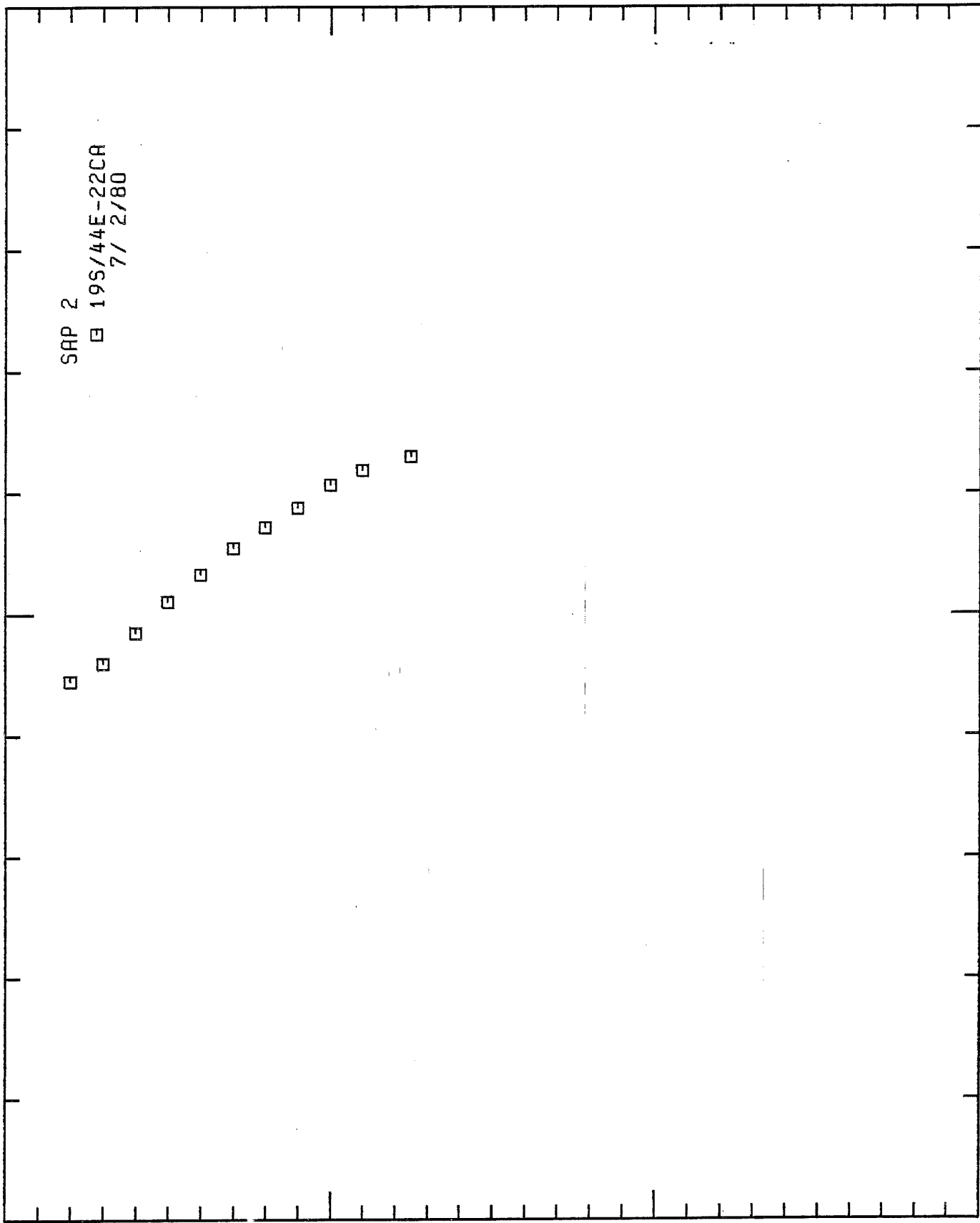
SAP 2
19S/44E-22CA
7/ 2/80

DEPTH, METERS

50

100

150



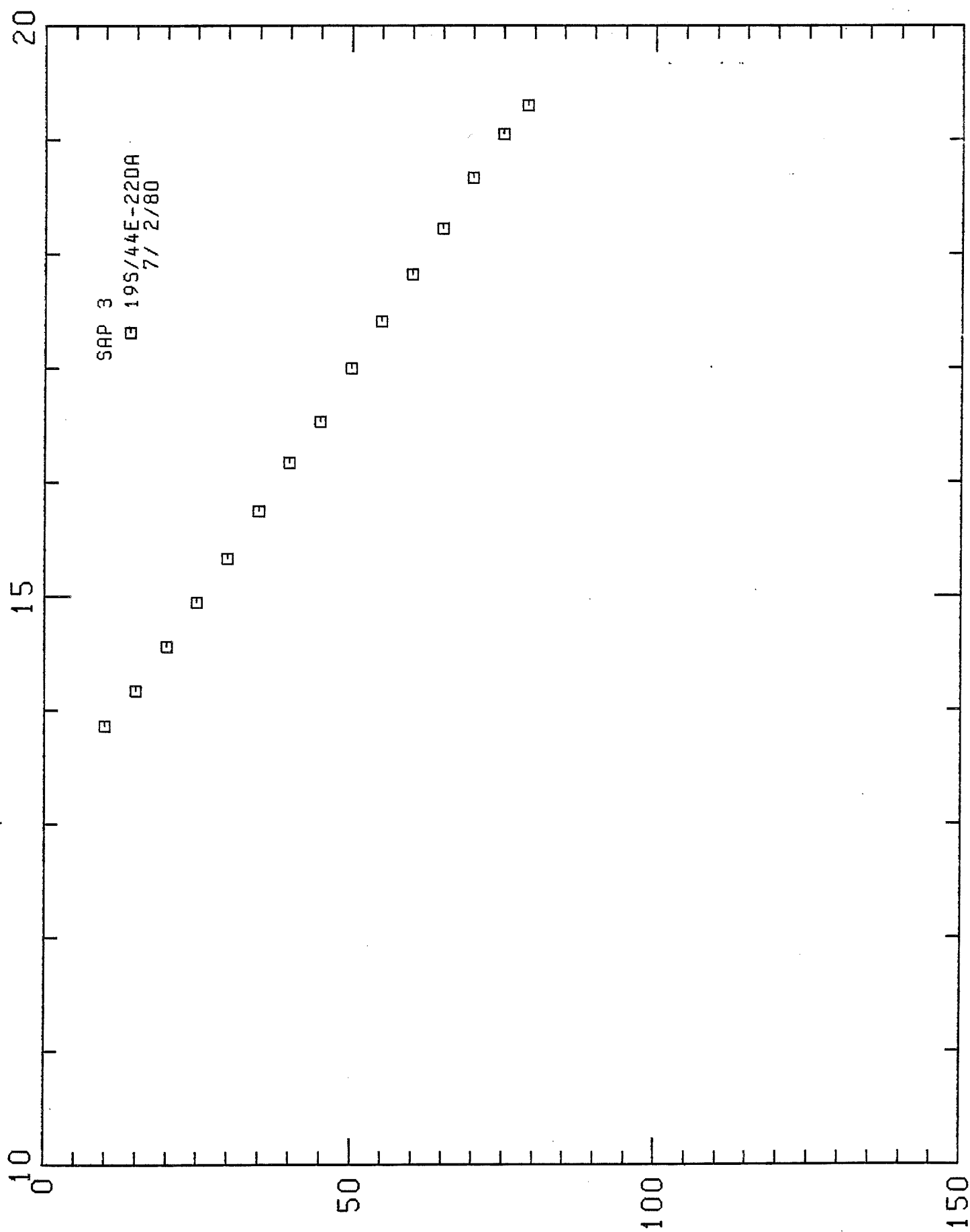
LOCATION: BOISE AMS, OREGON
19S/44E-22DA

HOLE NAME: SAP 3

DATE MEASURED: 7/ 2/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.860	56.95	0.0	0.0
15.0	49.2	14.170	57.51	62.0	3.4
20.0	65.6	14.560	58.21	78.0	4.3
25.0	82.0	14.950	58.91	78.0	4.3
30.0	98.4	15.330	59.59	76.0	4.2
35.0	114.8	15.750	60.35	84.0	4.6
40.0	131.2	16.170	61.11	84.0	4.6
45.0	147.6	16.530	61.75	72.0	4.0
50.0	164.0	17.000	62.60	94.0	5.2
55.0	180.4	17.410	63.34	82.0	4.5
60.0	196.8	17.820	64.08	82.0	4.5
65.0	213.2	18.220	64.80	80.0	4.4
70.0	229.6	18.670	65.61	90.0	4.9
75.0	246.0	19.050	66.29	76.0	4.2
79.0	259.1	19.300	66.74	62.5	3.4

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

19S/46E- 58D
HOLE NAME: WINEBRG

DATE MEASURED: 7/ 3/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	13.790	56.82	0.0	0.0
15.0	49.2	14.620	58.32	166.0	9.1
20.0	65.6	15.320	59.58	140.0	7.7
25.0	82.0	15.880	60.58	112.0	6.1
30.0	98.4	16.300	61.34	84.0	4.6
35.0	114.8	16.640	61.95	68.0	3.7
40.0	131.2	17.120	62.82	96.0	5.3
45.0	147.6	17.560	63.61	88.0	4.8
50.0	164.0	18.140	64.65	116.0	6.4
55.0	180.4	18.380	65.08	48.0	2.6
60.0	196.8	18.940	66.09	112.0	6.1
65.0	213.2	19.590	67.26	130.0	7.1
70.0	229.6	20.070	68.13	96.0	5.3
75.0	246.0	20.460	68.83	78.0	4.3
80.0	262.4	21.050	69.89	118.0	5.5
85.0	278.8	21.520	70.74	94.0	2.7
90.0	295.2	22.130	71.83	122.0	6.6
95.0	311.6	22.290	72.12	92.0	1.8
100.0	328.0	22.560	72.61	54.0	3.0
105.0	344.4	22.790	73.02	46.0	5.9
110.0	360.8	23.330	73.99	108.0	2.4
115.0	377.2	23.550	74.39	44.0	5.5
120.0	393.6	23.600	74.57	10.0	5.5
125.0	410.0	23.650	74.66	10.0	5.5
130.0	426.4	23.700	74.66	16.0	5.9
135.0	442.8	23.780	74.80	16.0	5.9
140.0	459.2	23.860	74.95	18.0	1.0
145.0	475.6	23.950	75.11	22.0	2.2
150.0	492.0	24.060	75.31	22.0	1.1
155.0	508.4	24.170	75.51	22.0	2.4
160.0	524.8	24.300	75.74	22.0	1.1
165.0	541.2	24.410	75.94	22.0	2.8
170.0	557.6	24.570	76.23	22.0	0.0
175.0	574.0	24.750	76.55	36.0	0.0
180.0	590.4	24.930	76.87	36.0	0.0
185.0	606.8	25.100	77.18	34.0	1.9
190.0	623.2	25.290	77.52	38.0	1.1
195.0	639.6	25.490	77.88	40.0	2.2
200.0	656.0	25.710	78.28	44.0	4.6
205.0	672.4	25.950	78.71	48.0	2.1
210.0	688.8	26.140	79.05	38.0	

LOCATION: BOISE AMS, OREGON

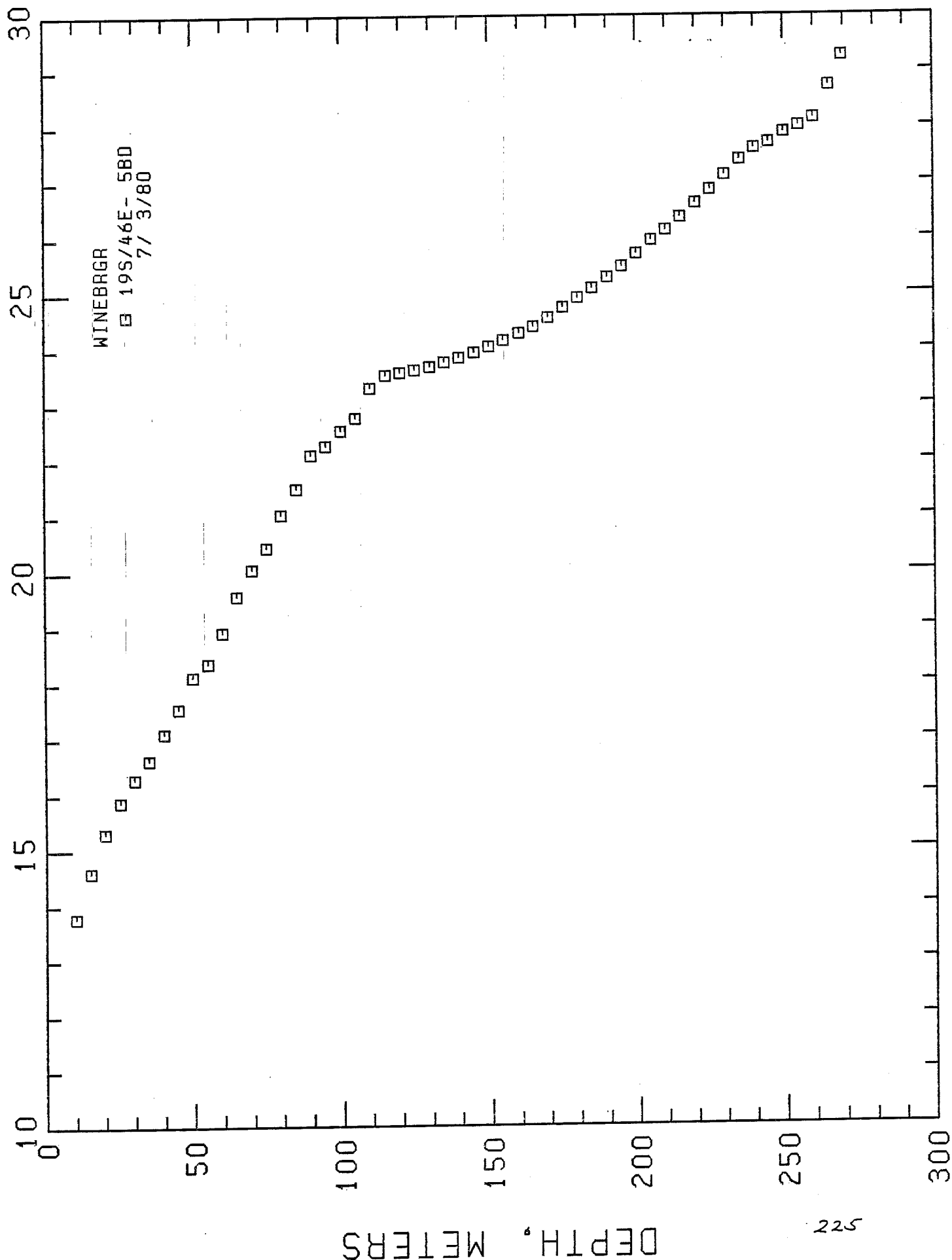
PAGE 2

HOLE NAME: WINEBERG

DATE MEASURED: 7/ 3/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
215.0	705.2	26.370	79.47	46.0	3.5
220.0	721.6	26.620	79.92	50.0	2.7
225.0	738.0	26.860	80.35	48.0	2.6
230.0	754.4	27.120	80.82	52.0	3.9
235.0	770.8	27.390	81.30	54.0	3.0
240.0	787.2	27.600	81.68	42.0	2.3
245.0	803.6	27.700	81.86	20.0	1.1
250.0	820.0	27.880	82.18	36.0	2.0
255.0	836.4	28.000	82.40	24.0	1.3
260.0	852.8	28.140	82.65	28.0	1.5
265.0	869.2	28.720	83.70	116.0	6.4
269.5	884.0	29.260	84.67	120.0	6.6

TEMPERATURE, DEG C



LOCATION: ROSEBURG AMS, OREGON

205/ 2E-35ACD

HOLE NAME: BTBR CRK

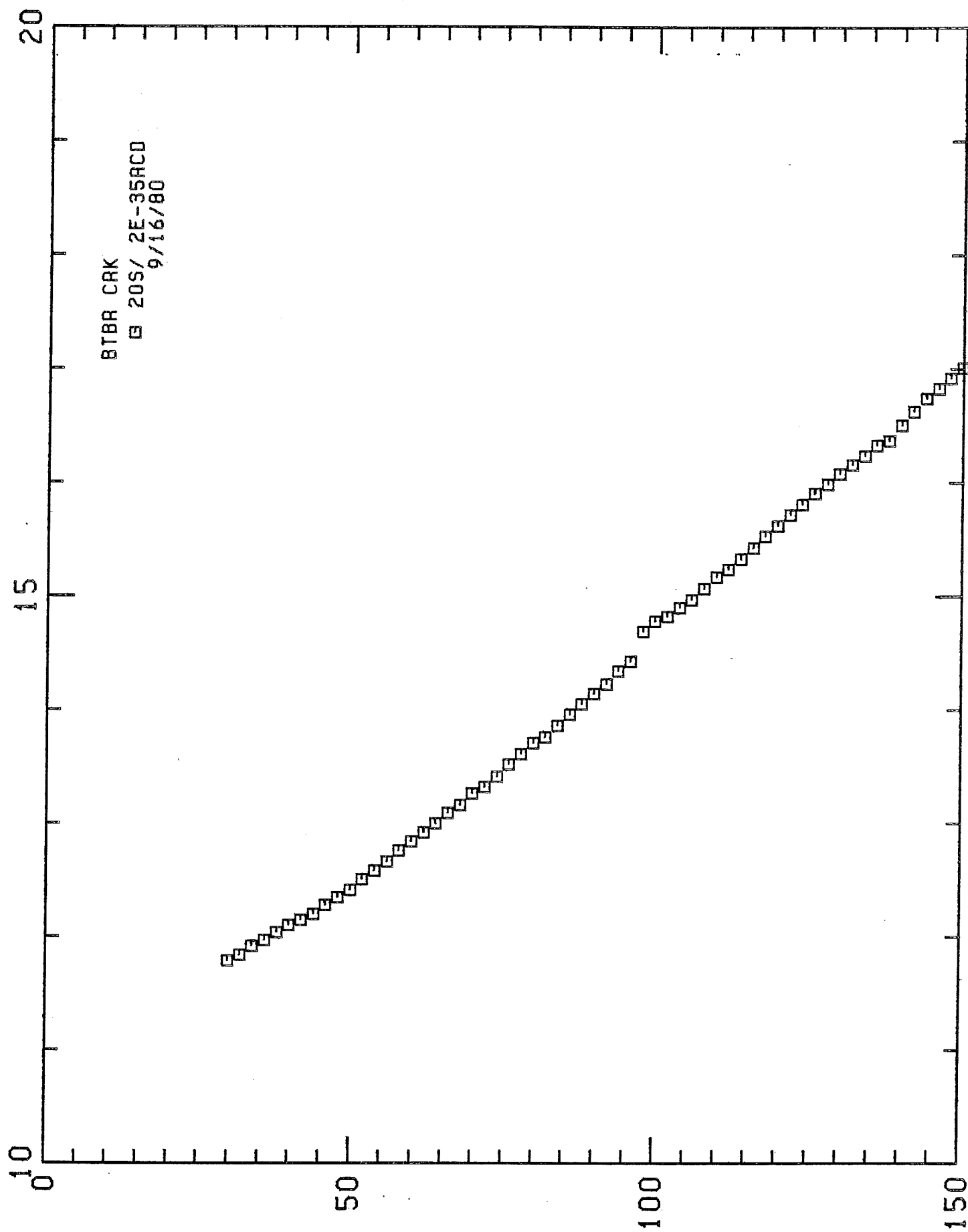
DATE MEASURED: 9/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
30.0	98.4	11.790	53.22	0.0	0.0
32.0	105.0	11.840	53.31	25.0	1.4
34.0	111.5	11.920	53.46	40.0	2.2
36.0	118.1	11.970	53.55	25.0	1.4
38.0	124.6	12.040	53.67	35.0	1.9
40.0	131.2	12.100	53.78	30.0	1.6
42.0	137.8	12.150	53.87	25.0	1.4
44.0	144.3	12.200	53.96	25.0	1.4
46.0	150.9	12.280	54.10	40.0	2.2
48.0	157.4	12.350	54.23	35.0	1.9
50.0	164.0	12.410	54.34	30.0	1.6
52.0	170.6	12.510	54.52	50.0	2.8
54.0	177.1	12.580	54.64	35.0	1.9
56.0	183.7	12.660	54.79	40.0	2.2
58.0	190.2	12.760	54.97	50.0	2.8
60.0	196.8	12.840	55.11	40.0	2.2
62.0	203.4	12.920	55.26	40.0	2.2
64.0	209.9	13.000	55.40	40.0	2.2
66.0	216.5	13.090	55.56	45.0	2.5
68.0	223.0	13.160	55.69	35.0	1.9
70.0	229.6	13.260	55.87	50.0	2.8
72.0	236.2	13.320	55.98	30.0	1.6
74.0	242.7	13.410	56.14	12.0	0.7
76.0	249.3	13.520	56.34	12.0	0.7
78.0	255.8	13.610	56.50	45.0	2.5
80.0	262.4	13.710	56.68	45.0	2.5
82.0	269.0	13.760	56.77	25.0	1.4
84.0	275.5	13.860	56.95	50.0	2.8
86.0	282.1	13.960	57.13	50.0	2.8
88.0	288.6	14.050	57.29	45.0	2.5
90.0	295.2	14.140	57.45	45.0	2.5
92.0	301.8	14.230	57.61	45.0	2.5
94.0	308.3	14.340	57.81	55.0	3.1
96.0	314.9	14.430	57.97	45.0	2.5
98.0	321.4	14.590	58.44	130.0	7.3
100.0	328.0	14.780	58.60	45.0	2.5
102.0	334.6	14.820	58.68	20.0	1.1
104.0	341.1	14.900	58.82	40.0	2.2
106.0	347.7	14.970	58.95	35.0	1.9
108.0	354.2	15.070	59.13	50.0	2.8
110.0	360.6	15.170	59.31	50.0	2.8

LOCATION: ROSEBURG AMS, OREGON
 HOLE NAME: 20S/ 2E-35ACD
 DATE MEASURED: 9/15/80
 TEMPERATURE
 DEPTH DEGS C DEGS F
 FEET

DEPTH METERS	DEPTH FEET	TEMPERATURE DEGS C	TEMPERATURE DEGS F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
112.0	367.4	15.240	59.43	35.0	9
114.0	373.9	15.330	59.59	45.0	1.5
116.0	380.5	15.430	59.77	50.0	2.2
118.0	387.0	15.530	59.95	50.0	2.2
120.0	393.6	15.620	60.12	45.0	1.5
122.0	400.2	15.720	60.30	50.0	2.2
124.0	406.7	15.810	60.46	45.0	1.5
126.0	413.3	15.910	60.64	50.0	2.2
128.0	419.8	15.990	60.78	40.0	1.5
130.0	426.4	16.080	60.94	45.0	2.2
132.0	433.0	16.160	61.09	40.0	1.5
134.0	439.5	16.240	61.23	40.0	1.5
136.0	446.1	16.330	61.39	45.0	2.2
138.0	452.6	16.370	61.47	20.0	1.5
140.0	459.2	16.510	61.72	70.0	18
142.0	465.8	16.630	61.93	60.0	15
144.0	472.3	16.740	62.13	55.0	13
146.0	478.9	16.830	62.29	45.0	11
148.0	485.4	16.920	62.46	45.0	11
150.0	492.0	17.010	62.62	45.0	11
152.0	498.6	17.100	62.78	45.0	11

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: ROSEBURG AMS, OREGON

205/ 4E-27DDD

HOLE NAME: WALL CRK

DATE MEASURED: 9/17/80

DEPTH
METERS

TEMPERATURE
DEG C

GEOTHERMAL GRADIENT
DEG C/KM

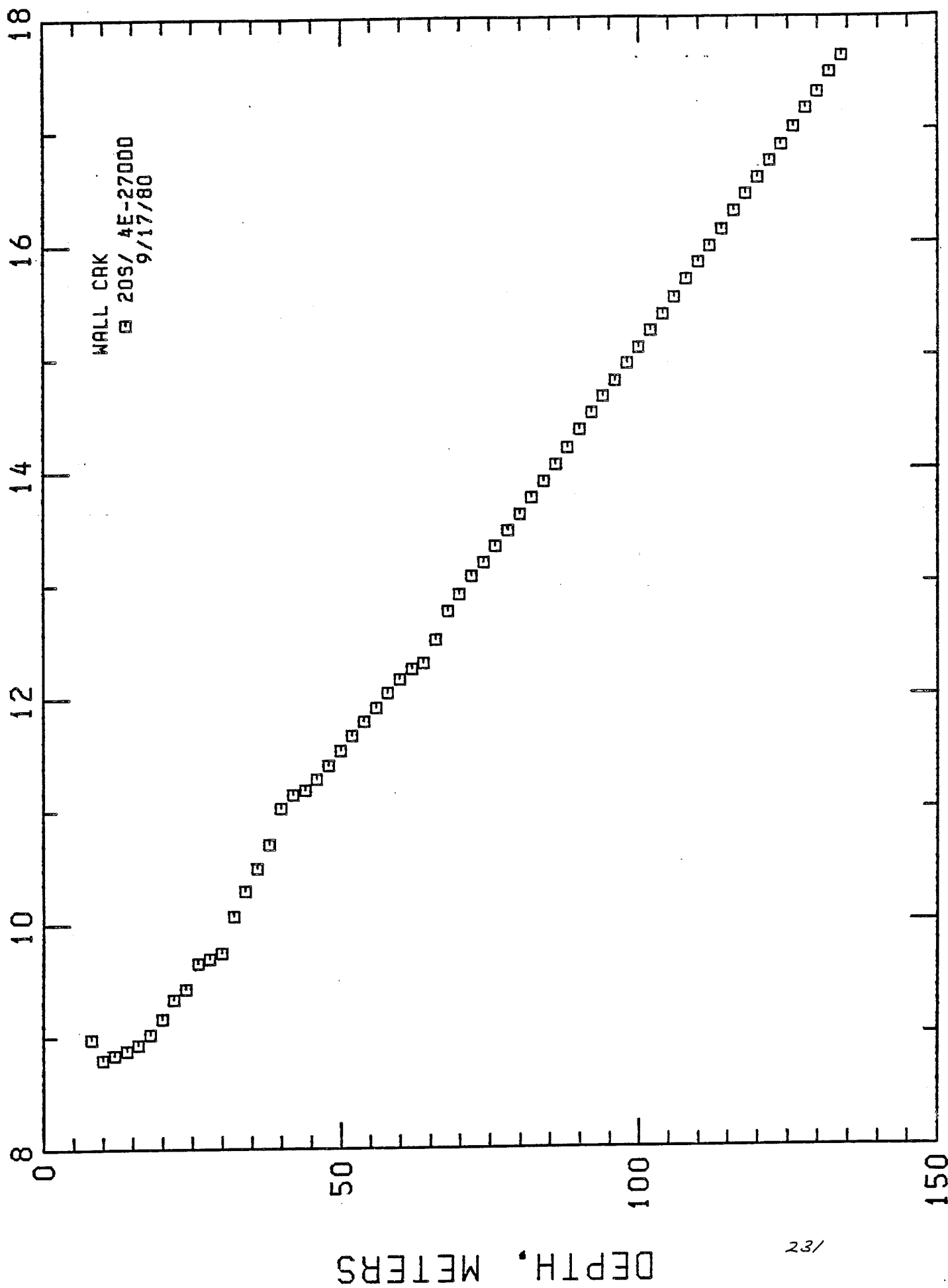
DEG F/100 FT

DEPTH METERS	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
8.0	8.980	48.16	0.0	0.0
10.0	8.800	47.84	-90.0	-4.9
12.0	8.840	47.91	20.0	1.1
14.0	8.880	47.98	20.0	1.1
16.0	8.930	48.07	25.0	1.4
18.0	9.020	48.24	45.0	2.3
20.0	9.160	48.49	70.0	3.4
22.0	9.330	48.79	85.0	4.2
24.0	9.420	48.96	45.0	2.3
26.0	9.650	49.37	115.0	6.6
28.0	9.690	49.44	20.0	1.1
30.0	9.740	49.53	25.0	1.4
32.0	10.070	50.13	165.0	9.1
34.0	10.290	50.52	110.0	6.6
36.0	10.490	50.88	100.0	6.6
38.0	10.700	51.26	105.0	6.8
40.0	11.020	51.84	160.0	8.8
42.0	11.140	52.05	60.0	3.1
44.0	11.180	52.12	20.0	1.1
46.0	11.280	52.30	50.0	2.3
48.0	11.400	52.52	60.0	3.1
50.0	11.530	52.75	65.0	3.6
52.0	11.650	52.99	65.0	3.6
54.0	11.790	53.22	65.0	3.6
56.0	11.910	53.44	60.0	3.3
58.0	12.040	53.67	65.0	3.6
60.0	12.160	53.89	65.0	3.6
62.0	12.250	54.05	45.0	2.3
64.0	12.300	54.14	25.0	1.1
66.0	12.510	54.52	105.0	6.6
68.0	12.750	54.97	125.0	8.9
70.0	12.910	55.24	75.0	4.1
72.0	13.070	55.53	80.0	4.4
74.0	13.190	55.74	60.0	3.3
76.0	13.330	55.99	70.0	3.8
78.0	13.470	56.25	70.0	3.8
80.0	13.510	56.50	70.0	3.8
82.0	13.760	56.77	75.0	4.1
84.0	13.900	57.02	70.0	3.3
86.0	14.050	57.29	75.0	4.1
88.0	14.200	57.55	75.0	4.1

LOCATION: ROSEBURG AMS. OREGON
 20S/ 4E-27DDD
 HOLE NAME: WALL CRK
 DATE MEASURED: 9/17/80
 TEMPERATURE
 DEPT F
 DEPTH METERS
 DEPT C
 TEMPERATURE
 DEPT F
 GEOTHERMAL GRADIENT
 DEG C/KM
 DEG F/100 FT

90.0	14.360	57.85	80.0	4.4
92.0	14.510	58.12	75.0	4.1
94.0	14.650	58.37	70.0	3.8
96.0	14.790	58.62	70.0	3.8
98.0	14.940	58.89	75.0	4.1
100.0	15.080	59.14	70.0	3.8
102.0	15.230	59.41	70.0	4.1
104.0	15.370	59.67	75.0	3.8
106.0	15.520	59.94	75.0	4.1
108.0	15.680	60.22	80.0	4.4
110.0	15.830	60.49	75.0	4.1
112.0	15.970	60.75	70.0	3.8
114.0	16.120	61.02	75.0	4.1
116.0	16.280	61.30	80.0	4.4
118.0	16.430	61.57	75.0	4.1
120.0	16.570	61.83	70.0	3.8
122.0	16.720	62.10	75.0	4.1
124.0	16.860	62.35	70.0	3.8
126.0	17.020	62.64	80.0	4.4
128.0	17.190	62.94	85.0	4.7
130.0	17.330	63.19	90.0	3.8
132.0	17.510	63.52	70.0	4.9
134.0	17.650	63.77	70.0	3.8

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: ROSEBURG AMS. OREGON

HOLE NAME: 21S/ 3E-17DAA

DATE MEASURED: 8/26/80

DEPTH OAKRDG 1

FEET

DEPTH METERS

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
5.0	16.4	12.815	55.07	0.0	0.0
10.0	32.8	12.810	55.06	-0.1	-0.1
15.0	49.2	12.910	55.24	20.0	1.1
20.0	65.6	13.080	55.54	34.0	1.9
25.0	82.0	13.300	55.94	44.0	2.4
30.0	98.4	13.405	56.13	21.0	1.2
35.0	114.8	13.585	56.45	36.0	2.0
40.0	131.2	13.785	56.81	40.0	2.2
45.0	147.6	13.915	57.05	26.0	1.4
50.0	164.0	14.170	57.51	51.0	2.3
55.0	180.4	14.380	57.88	42.0	2.0
60.0	196.8	14.650	58.37	54.0	2.3
65.0	213.2	14.905	58.83	51.0	2.0
70.0	229.6	15.150	59.27	49.0	2.2
75.0	246.0	15.360	59.65	42.0	2.0
80.0	262.4	15.500	59.90	28.0	1.2
85.0	278.8	15.610	60.10	22.0	1.0
90.0	295.2	16.140	61.05	106.0	5.1
95.0	311.6	16.190	61.14	10.0	0.5
100.0	328.0	16.380	61.48	38.0	2.1
105.0	344.4	16.860	62.35	56.0	2.5
110.0	360.8	17.150	62.87	58.0	2.7
115.0	377.2	17.490	63.48	68.0	3.1
120.0	393.6	17.810	64.06	64.0	2.8
125.0	410.0	17.920	64.26	22.0	1.1

LOCATION: ROSEBURG AMS, OREGON
 215/ 3E-17DAA
 HOLE NAME: OAKRDG 1
 DATE MEASURED: 9/ 2/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.550	58.19	0.0	0.0
20.0	65.6	14.100	57.38	-45.0	-2.5
30.0	88.4	14.320	57.78	22.0	1.2
40.0	105.2	14.420	57.96	10.0	0.5
50.0	131.2	14.860	58.75	44.0	2.4
60.0	164.0	15.120	59.22	26.0	1.4
70.0	196.8	15.400	59.72	38.0	1.5
80.0	229.6	15.920	60.66	52.0	3.6
90.0	262.4	16.570	61.83	65.0	4.1
100.0	295.2	17.320	63.18	75.0	4.1
110.0	328.0	18.590	65.46	127.0	8.0
120.0	360.8	18.450	65.21	-14.0	-0.8
130.0	393.6	18.480	65.26	3.0	0.3
140.0	426.4	19.020	66.24	54.0	3.3
150.0	459.2	19.600	67.28	58.0	3.3
160.0	492.0	20.150	68.27	55.0	3.0
170.0	524.8	20.730	69.31	58.0	3.3
180.0	557.6	21.290	70.32	56.0	3.1
190.0	590.4	21.800	71.24	51.0	2.8
200.0	623.2	22.320	72.18	52.0	3.0
	656.0				

LOCATION: ROSEBURG AMS, OREGON

215/ 3E-17DAA

HOLE NAME: OAKRDG 1

DATE MEASURED: 9/16/80

DEPTH METERS

DEPTH FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	15.070	59.13	0.0	0.0
10.0	32.8	14.050	57.29	-11.2	-11.2
15.0	49.2	14.010	57.22	-0.4	-0.4
20.0	65.6	14.030	57.25	0.0	0.0
25.0	82.0	14.110	57.40	0.0	0.0
30.0	98.4	14.170	57.51	0.0	0.0
35.0	114.8	14.250	57.65	0.0	0.0
40.0	131.2	14.360	57.85	1.2	1.2
45.0	147.6	14.510	58.12	1.6	1.6
50.0	164.0	14.710	58.48	2.2	2.2
55.0	180.4	14.910	58.84	2.2	2.2
60.0	196.8	15.120	59.22	2.2	2.2
65.0	213.2	15.300	59.54	2.2	2.2
70.0	229.6	15.550	59.99	2.2	2.2
75.0	246.0	15.750	60.35	2.2	2.2
80.0	262.4	15.970	60.75	2.4	2.4
85.0	278.8	16.210	61.18	2.4	2.4
90.0	295.2	16.460	61.63	2.4	2.4
95.0	311.6	16.730	62.11	2.4	2.4
100.0	328.0	17.070	62.73	2.4	2.4
105.0	344.4	17.410	63.34	2.4	2.4
110.0	360.8	17.780	64.00	2.4	2.4
115.0	377.2	18.030	64.45	2.4	2.4
120.0	393.6	18.210	64.78	2.4	2.4
125.0	410.0	18.380	65.08	2.4	2.4
130.0	426.4	18.640	65.55	2.4	2.4
135.0	442.8	18.930	66.07	2.4	2.4
140.0	459.2	19.210	66.58	2.4	2.4
145.0	475.6	19.480	67.06	2.4	2.4
150.0	492.0	19.810	67.66	2.4	2.4
155.0	508.4	20.060	68.11	2.4	2.4
160.0	524.8	20.590	69.06	2.4	2.4
165.0	541.2	20.780	69.40	2.4	2.4
170.0	557.6	20.980	69.76	2.4	2.4
175.0	574.0	21.220	70.20	2.4	2.4
180.0	590.4	21.600	70.88	2.4	2.4
185.0	606.8	21.980	71.56	2.4	2.4
190.0	623.2	22.290	72.12	2.4	2.4
195.0	639.6	22.560	72.61	2.4	2.4
200.0	656.0	22.850	73.13	2.4	2.4
205.0	672.4	23.120	73.62	2.4	2.4

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 21S/ 3E-17DAA
DATE MEASURED: 9/16/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
210.0	688.8	23.400	74.12	56.0	3.1
215.0	705.2	23.680	74.62	56.0	3.1
220.0	721.6	23.980	75.16	56.0	3.1
225.0	738.0	24.240	75.63	52.0	3.0
230.0	754.4	24.510	76.12	54.0	3.0
235.0	770.8	24.800	76.64	58.0	3.2
240.0	787.2	25.060	77.11	52.0	3.0
245.0	803.6	25.320	77.58	52.0	3.0
250.0	820.0	25.570	78.03	50.0	2.7
255.0	836.4	25.820	78.48	50.0	2.7
260.0	852.8	26.070	78.93	50.0	2.7
265.0	869.2	26.290	79.32	44.0	2.4
270.0	885.6	26.510	79.72	44.0	2.4
275.0	902.0	26.740	80.13	46.0	2.5
280.0	918.4	26.970	80.55	46.0	2.5
285.0	934.8	27.200	80.96	46.0	2.5
290.0	951.2	27.380	81.28	36.0	2.0
295.0	967.6	27.590	81.66	42.0	2.3
300.0	984.0	27.790	82.02	40.0	2.2
305.0	1000.4	27.990	82.38	40.0	2.2
310.0	1016.8	28.200	82.76	42.0	2.3
315.0	1033.2	28.410	83.14	42.0	2.3
320.0	1049.6	28.620	83.52	42.0	2.3
325.0	1066.0	28.820	83.88	40.0	2.2
330.0	1082.4	29.020	84.24	40.0	2.2
335.0	1098.8	29.220	84.60	40.0	2.2
337.0	1105.4	29.330	84.79	55.0	3.0

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 21S/ 3E-17DAA

DATE MEASURED: 11/ 5/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
11.0	36.1	12.660	54.79	0.0	0.0
13.0	42.6	12.680	54.82	10.0	0.5
15.0	49.2	12.700	54.86	15.0	0.8
17.0	55.8	12.730	54.91	20.0	1.1
19.0	62.3	12.770	54.99	25.0	1.1
21.0	68.9	12.810	55.06	25.0	1.4
23.0	75.4	12.860	55.15	25.0	1.4
25.0	82.0	12.910	55.24	30.0	1.6
27.0	88.6	12.970	55.35	35.0	1.6
29.0	95.1	13.020	55.44	45.0	1.9
31.0	101.7	13.090	55.56	45.0	2.5
33.0	108.2	13.180	55.72	45.0	2.5
35.0	114.8	13.240	55.83	45.0	2.5
37.0	121.4	13.330	55.99	45.0	2.5
39.0	127.9	13.400	56.12	40.0	2.2
41.0	134.5	13.480	56.26	45.0	2.5
43.0	141.0	13.520	56.34	45.0	2.5
45.0	147.6	13.610	56.50	45.0	2.5
47.0	154.2	13.700	56.66	45.0	2.5
49.0	160.7	13.800	56.84	45.0	2.5
51.0	167.3	13.890	57.00	45.0	2.5
53.0	173.8	13.980	57.16	45.0	2.5
55.0	180.4	14.110	57.40	55.0	3.0
57.0	187.0	14.210	57.58	55.0	3.0
59.0	193.5	14.320	57.78	55.0	3.0
61.0	200.1	14.410	57.94	45.0	2.5
63.0	206.6	14.530	58.15	60.0	3.3
65.0	213.2	14.650	58.37	60.0	3.3
67.0	219.8	14.740	58.53	45.0	2.5
69.0	226.3	14.860	58.75	60.0	3.3
71.0	232.9	14.960	58.93	50.0	2.7
73.0	239.4	15.060	59.11	50.0	2.7
75.0	246.0	15.180	59.32	60.0	3.3
77.0	252.6	15.260	59.47	40.0	2.0
79.0	259.1	15.420	59.76	80.0	4.4
81.0	265.7	15.510	59.92	45.0	2.5
83.0	272.3	15.600	60.08	45.0	2.5
85.0	278.8	15.720	60.30	60.0	3.3
87.0	285.4	15.800	60.44	60.0	3.3
89.0	291.9	15.920	60.66	60.0	3.3
91.0	298.5	16.050	60.89	65.0	3.6

LOCATION: ROSEBURG AMS, OREGON
 21S/ 3E-17DAA
 HOLE NAME: OAKRDG 1
 DATE MEASURED: 11/ 5/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
93.0	305.0	16.140	61.05	45.0	5.6
95.0	311.6	16.270	61.29	65.0	3.3
97.0	318.2	16.390	61.50	60.0	3.3
99.0	324.7	16.510	61.72	60.0	3.3
101.0	331.3	16.620	61.92	55.0	3.0
103.0	337.8	16.780	62.20	80.0	4.4
105.0	344.4	16.880	62.38	50.0	2.7
107.0	351.0	17.010	62.62	55.0	3.6
109.0	357.5	17.090	62.76	40.0	2.2
111.0	364.1	17.270	63.09	90.0	4.9
113.0	370.6	17.390	63.30	60.0	3.3
115.0	377.2	17.500	63.50	55.0	3.0
117.0	383.8	17.600	63.68	50.0	2.6
119.0	390.3	17.730	63.91	65.0	7.8
121.0	396.9	17.830	64.09	50.0	2.6
123.0	403.4	17.970	64.35	70.0	8.7
125.0	410.0	18.070	64.53	50.0	2.6
127.0	416.6	18.180	64.72	55.0	3.0
129.0	423.1	18.350	65.03	85.0	7.2
131.0	429.7	18.430	65.17	40.0	2.4
133.0	436.2	18.590	65.46	80.0	4.2
135.0	442.8	18.680	65.62	45.0	5.5
137.0	449.4	18.800	65.84	60.0	3.3
139.0	455.9	18.910	66.04	55.0	3.0
141.0	462.5	19.040	66.27	60.0	3.3
143.0	469.0	19.160	66.49	60.0	3.3
145.0	475.6	19.280	66.70	60.0	3.3
147.0	482.2	19.430	66.97	75.0	4.1
149.0	488.7	19.510	67.12	40.0	2.2
151.0	495.3	19.640	67.35	65.0	3.6
153.0	501.8	19.720	67.50	40.0	2.2
155.0	508.4	19.880	67.78	80.0	4.4
157.0	515.0	19.980	67.96	50.0	2.2
159.0	521.5	20.060	68.11	40.0	2.2
161.0	528.1	20.280	68.50	110.0	6.8
163.0	534.6	20.600	69.08	150.0	8.7
165.0	541.2	20.700	69.26	50.0	2.2
167.0	547.8	20.780	69.40	40.0	2.2
169.0	554.3	20.820	69.48	20.0	1.1
171.0	560.9	20.890	69.60	35.0	1.9
173.0	567.4	20.960	69.73	35.0	1.9

LOCATION: ROSEBURG AMS, OREGON
 21S/ 3E-17DAA
 HOLE NAME: OAKROG 1
 DATE MEASURED: 11/ 5/80
 TEMPERATURE
 DEPTH METERS
 DEPTH FEET
 DEG C
 DEG F
 DEG C/KM
 DEG F/100 FT
 GEOTHERMAL GRADIENT

175.0	574.0	21.050	69.89	45.0	2.55
177.0	580.6	21.140	70.05	45.0	2.55
179.0	587.1	21.310	70.36	45.0	4.79
181.0	593.7	21.560	70.81	125.0	6.47
183.0	600.2	21.730	71.11	85.0	4.79
185.0	606.8	21.840	71.31	55.0	3.07
187.0	613.4	21.940	71.49	50.0	2.78
189.0	619.9	22.080	71.74	70.0	3.07
191.0	626.5	22.190	71.94	55.0	3.07
193.0	633.0	22.310	72.15	60.0	3.07
195.0	639.6	22.430	72.37	45.0	3.07
197.0	646.2	22.520	72.54	60.0	3.07
199.0	652.7	22.640	72.75	60.0	3.07
201.0	659.3	22.770	72.99	65.0	3.07
203.0	665.8	22.860	73.15	45.0	3.07
205.0	672.4	22.990	73.38	65.0	3.07
207.0	679.0	23.080	73.54	45.0	3.07
209.0	685.5	23.200	73.76	60.0	3.07
211.0	692.1	23.350	74.03	75.0	4.13
213.0	698.6	23.470	74.25	60.0	3.07
215.0	705.2	23.580	74.44	55.0	3.07
217.0	711.8	23.670	74.61	45.0	3.07
219.0	718.3	23.800	74.84	65.0	3.07
221.0	724.9	23.890	75.00	45.0	3.07
223.0	731.4	24.010	75.22	60.0	3.07
225.0	738.0	24.130	75.43	60.0	3.07
227.0	744.6	24.220	75.60	45.0	3.07
229.0	751.1	24.340	75.81	60.0	3.07
231.0	757.7	24.460	76.03	60.0	3.07
233.0	764.2	24.560	76.21	50.0	3.07
235.0	770.8	24.680	76.42	55.0	3.07
237.0	777.4	24.790	76.62	55.0	3.07
239.0	783.9	24.900	76.82	45.0	3.07
241.0	790.5	24.990	76.98	55.0	3.07
243.0	797.0	25.100	77.18	50.0	3.07
245.0	803.6	25.200	77.35	55.0	3.07
247.0	810.2	25.290	77.52	45.0	3.07
249.0	816.7	25.390	77.70	50.0	3.07
251.0	823.3	25.500	77.90	55.0	3.07
253.0	829.8	25.620	78.12	60.0	3.07
255.0	836.4	25.720	78.30	50.0	3.07

LOCATION: ROSEBURG AMS, OREGON

215/ 3E-17DAA

HOLE NAME: OAKRDS 1

DATE MEASURED: 11/ 5/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
257.0	849.0	25.920	78.48	50.0	2.7
259.0	849.5	25.930	78.67	55.0	3.0
261.0	856.1	26.020	78.84	45.0	2.5
263.0	862.6	26.120	79.02	50.0	2.7
265.0	869.2	26.190	79.14	35.0	1.9
267.0	875.8	26.280	79.30	45.0	2.5
269.0	882.3	26.380	79.48	50.0	2.7
271.0	888.9	26.450	79.61	35.0	1.9
273.0	895.4	26.560	79.81	55.0	3.0
275.0	902.0	26.670	80.01	55.0	3.0
277.0	908.6	26.740	80.13	35.0	1.9
279.0	915.1	26.830	80.29	45.0	2.5
281.0	921.7	26.930	80.47	50.0	2.7
283.0	928.2	27.020	80.64	45.0	2.5
285.0	934.8	27.110	80.80	45.0	2.5
287.0	941.4	27.190	80.94	40.0	2.0
289.0	947.9	27.280	81.10	45.0	2.5
291.0	954.5	27.350	81.23	35.0	1.9
293.0	961.0	27.430	81.37	40.0	2.0
295.0	967.6	27.510	81.52	40.0	2.0
297.0	974.2	27.610	81.70	50.0	2.7
299.0	980.7	27.710	81.88	50.0	2.7
301.0	987.3	27.780	81.88	35.0	1.9
303.0	993.8	27.820	82.08	20.0	1.1
305.0	1000.4	27.900	82.22	40.0	2.0
307.0	1007.0	27.980	82.36	40.0	2.0
309.0	1013.5	28.070	82.53	45.0	2.5
311.0	1020.1	28.160	82.69	45.0	2.5
313.0	1026.6	28.250	82.85	45.0	2.5
315.0	1033.2	28.330	82.99	40.0	2.0
317.0	1039.8	28.420	83.16	45.0	2.5
319.0	1046.3	28.510	83.32	45.0	2.5
321.0	1052.9	28.590	83.46	40.0	2.0
323.0	1059.4	28.670	83.61	40.0	2.0
325.0	1066.0	28.760	83.77	45.0	2.5
327.0	1072.6	28.840	83.91	40.0	2.0
329.0	1079.1	28.920	84.06	40.0	2.0
331.0	1085.7	28.990	84.18	35.0	1.9
333.0	1092.2	29.080	84.34	45.0	2.5
335.0	1098.8	29.160	84.49	40.0	2.0
337.0	1105.4	29.240	84.63	40.0	2.0

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 21S/ 3E-17DAA
DATE MEASURED: 11/ 8/80

TEMPERATURE

DEG C

DEG F

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0	12.210	53.98	0.0	0.0	0.0
5.0	13.010	55.42	160.0	8.8	8.8
10.0	12.650	54.77	-72.0	-4.0	-4.0
15.0	12.725	54.90	15.0	0.8	0.8
20.0	12.835	55.10	22.0	1.2	1.2
25.0	12.965	55.34	26.0	1.4	1.4
30.0	13.165	55.70	40.0	2.2	2.2
35.0	13.310	55.96	29.0	1.6	1.6
40.0	13.485	56.27	35.0	1.9	1.9
45.0	13.665	56.60	36.0	2.0	2.0
50.0	13.925	57.07	52.0	2.9	2.9
55.0	14.160	57.49	47.0	2.6	2.6
60.0	14.535	58.16	75.0	4.1	4.1
65.0	14.720	58.50	37.0	1.0	1.0
70.0	15.000	59.00	56.0	3.3	3.3
75.0	15.315	59.57	63.0	3.5	3.5
80.0	15.555	60.00	48.0	2.5	2.5
85.0	15.870	60.57	63.0	3.3	3.3
90.0	16.145	61.06	55.0	2.9	2.9
95.0	16.395	61.51	50.0	2.7	2.7
100.0	16.710	62.08	63.0	3.3	3.3
105.0	17.000	62.60	58.0	3.0	3.0
110.0	17.300	63.14	60.0	3.2	3.2
115.0	17.545	63.58	49.0	2.7	2.7
120.0	17.835	64.10	58.0	3.0	3.0
125.0	18.125	64.62	58.0	3.0	3.0
130.0	18.435	65.18	62.0	3.4	3.4
135.0	18.755	65.83	54.0	2.9	2.9
140.0	19.065	66.32	60.0	3.0	3.0
145.0	19.365	66.86	54.0	2.9	2.9
150.0	19.710	67.48	63.0	3.3	3.3
155.0	19.970	67.95	52.0	2.9	2.9
160.0	20.310	68.56	68.0	3.5	3.5
165.0	20.770	69.39	92.0	5.7	5.7
170.0	20.900	69.62	26.0	1.4	1.4
175.0	21.150	70.07	50.0	2.7	2.7
180.0	21.640	70.95	57.0	3.0	3.0
185.0	21.825	71.47	57.0	3.0	3.0
190.0	22.230	72.01	57.0	3.0	3.0
195.0	22.515	72.53	57.0	3.0	3.0
200.0	22.770	72.99	51.0	2.8	2.8

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 21S/ 3E-17DAA

DATE MEASURED: 11/ 8/80

TEMPERATURE

DEG C

DEG F

DEPTH

FEET

DEPTH

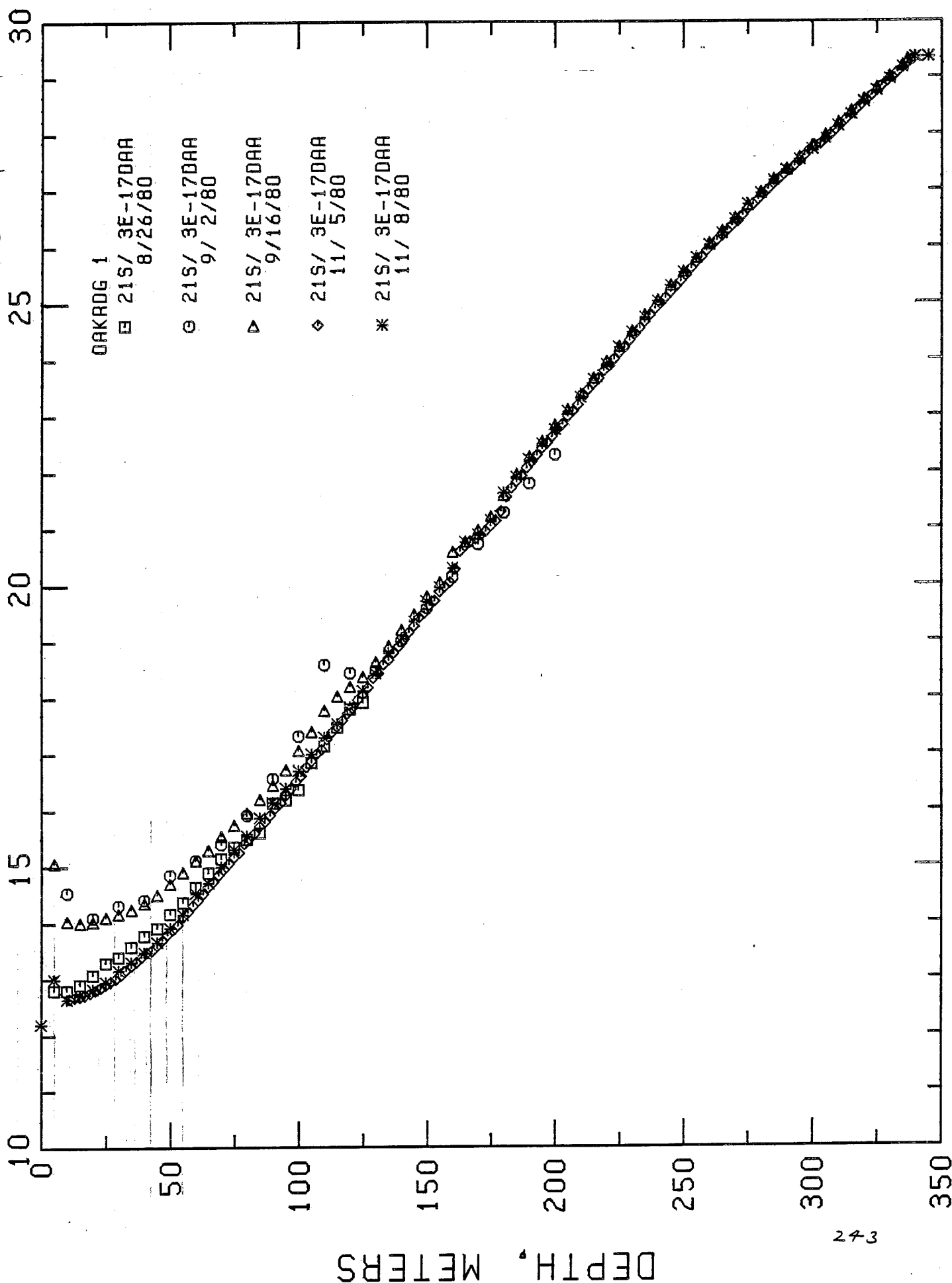
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

205.0	23.085	73.55	63.0	57.5
210.0	23.335	74.00	50.0	57.5
215.0	23.655	74.58	54.0	57.5
220.0	23.920	75.06	53.0	57.5
225.0	24.220	75.60	50.0	57.5
230.0	24.495	76.09	55.0	57.5
235.0	24.750	76.55	51.0	57.5
240.0	25.045	77.08	59.0	57.5
245.0	25.310	77.56	53.0	57.5
250.0	25.550	77.99	48.0	57.5
255.0	25.805	78.45	51.0	57.5
260.0	26.035	78.86	46.0	57.5
265.0	26.245	79.24	42.0	57.5
270.0	26.490	79.68	49.0	57.5
275.0	26.750	80.15	52.0	57.5
280.0	26.950	80.51	40.0	57.5
285.0	27.180	80.92	46.0	57.5
290.0	27.360	81.25	36.0	57.5
295.0	27.545	81.58	37.0	57.5
300.0	27.730	81.91	37.0	57.5
305.0	27.915	82.25	44.0	57.5
310.0	28.135	82.64	42.0	57.5
315.0	28.345	83.02	42.0	57.5
320.0	28.560	83.41	43.0	57.5
325.0	28.770	83.79	42.0	57.5
330.0	28.975	84.16	41.0	57.5
335.0	29.175	84.52	40.0	57.5
340.0	29.355	84.84	36.0	57.5
345.0	29.350	84.85	1.0	57.5

TEMPERATURE, DEG C

city well



LOCATION: ROSEBURG AMS, OREGON

21S/ 3E-26CAA

HOLE NAME: HUSCKDAM

DATE MEASURED: 8/22/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
0.0	0.0	24.590	76.26	0.0	0.0
5.0	15.4	15.675	60.21	-1783.0	-97.8
10.0	32.8	14.990	58.98	-137.0	-7.5
15.0	49.2	14.910	58.84	-16.0	-0.9
20.0	65.6	14.590	58.26	-64.0	-3.5
25.0	82.0	14.535	58.16	-11.0	-0.6
30.0	98.4	14.345	57.82	-38.0	-2.1
35.0	114.8	15.165	59.30	164.0	9.0
40.0	131.2	13.900	57.02	-253.0	-13.9
45.0	147.6	13.170	55.71	-146.0	-8.0
50.0	164.0	12.955	55.32	-43.0	-2.4
55.0	180.4	13.080	55.54	25.0	1.4
60.0	196.8	13.190	55.74	22.0	1.2
65.0	213.2	13.285	55.91	19.0	1.0
70.0	229.6	13.420	56.16	27.0	1.5
75.0	246.0	13.570	56.43	30.0	1.6
80.0	262.4	13.790	56.82	44.0	2.4
85.0	278.8	13.910	57.04	24.0	1.3
90.0	295.2	14.090	57.36	36.0	2.0
95.0	311.6	14.235	57.62	29.0	1.6
100.0	328.0	14.355	57.84	24.0	1.3
105.0	344.4	14.530	58.15	35.0	1.9
110.0	360.8	14.690	58.44	32.0	1.8
115.0	377.2	14.780	58.60	18.0	1.0
120.0	393.6	14.950	58.91	34.0	1.9
125.0	410.0	15.150	59.27	40.0	2.2
130.0	426.4	15.400	59.72	50.0	2.7
135.0	442.8	15.595	60.07	39.0	2.2
140.0	459.2	15.790	60.42	39.0	2.2
145.0	475.6	15.960	60.73	34.0	1.9
150.0	492.0	16.145	61.06	37.0	2.1
155.0	508.4	16.315	61.37	34.0	1.9

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: HUSCKOM

DATE MEASURED: 8/25/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
0.0	0.0	23.465	74.24	0.0	0.0
5.0	16.4	13.460	56.23	-2001.0	-109.8
10.0	32.8	12.580	54.64	-176.0	-9.7
15.0	49.2	12.650	54.77	14.0	0.8
20.0	65.6	12.480	54.46	-34.0	-1.9
25.0	82.0	12.580	54.64	20.0	1.1
30.0	98.4	12.710	54.88	26.0	1.4
35.0	114.8	13.295	55.93	117.0	6.4
40.0	131.2	12.685	54.83	-122.0	-6.7
45.0	147.6	12.485	54.47	-40.0	-2.2
50.0	164.0	12.580	54.64	19.0	1.0
55.0	180.4	12.740	54.93	32.0	1.8
60.0	196.8	12.920	55.26	36.0	2.0
65.0	213.2	13.080	55.54	32.0	1.8
70.0	229.6	13.240	55.83	32.0	1.8
75.0	246.0	13.405	56.13	33.0	2.0
80.0	262.4	13.605	56.49	40.0	2.2
85.0	278.8	13.765	56.78	32.0	1.8
90.0	295.2	13.960	57.13	39.0	2.1
95.0	311.6	14.155	57.48	39.0	2.1
100.0	328.0	14.250	57.65	19.0	1.0
105.0	344.4	14.450	58.01	40.0	2.2
110.0	360.8	14.680	58.42	46.0	2.5
115.0	377.2	14.795	58.63	23.0	1.3
120.0	393.6	14.970	58.95	35.0	1.9
125.0	410.0	15.185	59.33	43.0	2.4
130.0	426.4	15.355	59.64	34.0	1.9
135.0	442.8	15.710	60.28	35.0	1.9
140.0	459.2	15.885	60.59	37.0	2.0
145.0	475.6	16.070	60.93	37.0	2.0
150.0	492.0	16.255	61.26	37.0	2.0
155.0	508.4	16.440	61.59	5.0	0.3
157.0	515.0	16.450	61.61		

LOCATION: ROSEBURG AMS, OREGON			
HOLE NAME: HLSCDAM			
DATE MEASURED: 9/2/80			
DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
5.0	16.4	13.050	55.49
10.0	32.8	11.770	53.19
15.0	49.2	11.830	53.29
20.0	65.6	11.800	53.24
25.0	82.0	11.800	53.24
30.0	98.4	12.080	53.74
35.0	114.8	12.510	54.52
40.0	131.2	12.270	54.09
45.0	147.6	12.330	54.19
50.0	164.0	12.490	54.48
55.0	180.4	12.680	54.82
60.0	196.8	12.880	55.18
65.0	213.2	13.050	55.49
70.0	229.6	13.230	55.81
75.0	246.0	13.410	56.14
80.0	262.4	13.600	56.48
85.0	278.8	13.780	56.80
90.0	295.2	14.000	57.20
95.0	311.6	14.150	57.49
100.0	328.0	14.270	57.69
105.0	344.4	14.570	58.23
110.0	360.8	14.700	58.46
115.0	377.2	14.810	58.66
120.0	393.6	15.030	59.05
125.0	410.0	15.220	59.40
130.0	426.4	15.410	59.74
135.0	442.8	15.600	60.08
140.0	459.2	15.790	60.42
145.0	475.6	15.970	60.75
150.0	492.0	16.160	61.09
152.0	498.6	16.240	61.23

GEOTHERMAL GRADIENT	
DEG C/KM	DEG F/100 FT
0.0	0.0
-256.0	-14.0
12.0	0.7
-6.0	-0.3
0.0	0.0
56.0	3.1
86.0	4.7
-48.0	-2.6
12.0	0.7
32.0	1.8
38.0	2.1
40.0	2.2
34.0	1.9
36.0	2.0
36.0	2.1
36.0	2.1
44.0	2.4
32.0	1.8
22.0	1.2
50.0	3.3
26.0	1.4
22.0	1.2
44.0	2.4
38.0	2.1
38.0	2.1
38.0	2.1
38.0	2.1
36.0	2.0
38.0	2.2
40.0	2.2

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: HISCODAM

DATE MEASURED: 9/16/80

DEPTH
FEET

DEPTH
METERS

TEMPERATURE
DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	13.170	55.71	0.0	0.0
10.0	32.8	11.440	52.59	-346.0	-19.0
15.0	49.2	11.700	53.06	52.0	2.9
20.0	65.6	11.680	53.02	-4.0	-0.2
25.0	82.0	11.780	53.20	20.0	1.1
30.0	88.4	11.930	53.47	30.0	1.6
35.0	98.4	12.200	53.96	54.0	3.0
40.0	114.8	12.200	53.96	0.0	0.0
45.0	131.2	12.330	54.19	0.0	0.0
50.0	147.6	12.500	54.50	26.0	1.4
55.0	164.0	12.680	54.82	34.0	1.9
60.0	180.4	12.890	55.20	36.0	2.0
65.0	196.8	13.040	55.47	42.0	2.3
70.0	213.2	13.240	55.83	50.0	2.6
75.0	229.6	13.400	56.12	40.0	1.8
80.0	246.0	13.580	56.44	52.0	2.0
85.0	262.4	13.760	56.77	36.0	0.9
90.0	278.8	13.960	57.13	40.0	1.0
95.0	311.6	14.190	57.54	46.0	2.5
100.0	328.0	14.300	57.74	22.0	2.0
105.0	344.4	14.480	58.06	36.0	2.0
110.0	360.8	14.690	58.44	42.0	2.3
115.0	377.2	14.810	58.66	24.0	2.3
120.0	393.6	15.020	59.04	42.0	1.0
125.0	410.0	15.210	59.38	38.0	0.0
130.0	426.4	15.390	59.70	36.0	0.0
135.0	442.8	15.570	60.03	36.0	0.0
140.0	459.2	15.750	60.35	36.0	0.0
145.0	475.6	15.930	60.67	36.0	0.0
150.0	492.0	16.120	61.02	38.0	1.0
155.0	508.4	16.300	61.34	36.0	0.0

LOCATION: ROSEBURG AMS, OREGON

21S/ 3E-26CAA

HOLE NAME: HLCSDAM

DATE MEASURED: 9/18/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
10.0	32.8	11.500	52.70	0.0	0.0
12.0	39.4	11.540	52.77	20.0	1.1
14.0	45.9	11.560	52.81	10.0	0.5
16.0	52.5	11.560	52.81	0.0	0.0
18.0	59.0	11.550	52.79	-5.0	-0.3
20.0	65.6	11.560	52.81	5.0	0.3
22.0	72.2	11.590	52.86	15.0	0.8
24.0	78.7	11.630	52.93	20.0	1.1
26.0	85.3	11.680	53.02	25.0	1.4
28.0	91.8	11.750	53.15	35.0	1.9
30.0	98.4	11.800	53.24	25.0	1.4
32.0	105.0	11.880	53.38	40.0	2.2
34.0	111.5	11.980	53.56	50.0	2.7
36.0	118.1	12.100	53.78	60.0	3.3
38.0	124.6	12.080	53.74	-10.0	-0.5
40.0	131.2	12.090	53.76	5.0	0.3
42.0	137.8	12.150	53.87	30.0	1.6
44.0	144.3	12.210	53.98	30.0	1.6
46.0	150.9	12.270	54.09	30.0	1.6
48.0	157.4	12.330	54.19	30.0	1.6
50.0	164.0	12.410	54.34	40.0	2.2
52.0	170.6	12.500	54.50	45.0	2.5
54.0	177.1	12.540	54.57	20.0	1.1
56.0	183.7	12.620	54.72	40.0	2.2
58.0	190.2	12.700	54.86	40.0	2.2
60.0	196.8	12.780	55.00	40.0	2.2
62.0	203.4	12.860	55.15	40.0	2.2
64.0	209.9	12.940	55.29	40.0	2.2
66.0	216.5	13.010	55.42	35.0	1.9
68.0	223.0	13.080	55.54	35.0	1.9
70.0	229.6	13.150	55.67	35.0	1.9
72.0	236.2	13.220	55.80	35.0	1.9
74.0	242.7	13.290	55.92	35.0	1.9
76.0	249.3	13.360	56.05	35.0	1.9
78.0	255.8	13.440	56.19	40.0	2.2
80.0	262.4	13.510	56.32	35.0	1.9
82.0	269.0	13.580	56.44	35.0	1.9
84.0	275.5	13.660	56.59	40.0	2.2
86.0	282.1	13.730	56.71	35.0	1.9
88.0	288.6	13.810	56.86	40.0	2.2
90.0	295.2	13.890	57.00	40.0	2.2

LOCATION: ROSEBURG AMS, OREGON
215/ 3E-26CAA

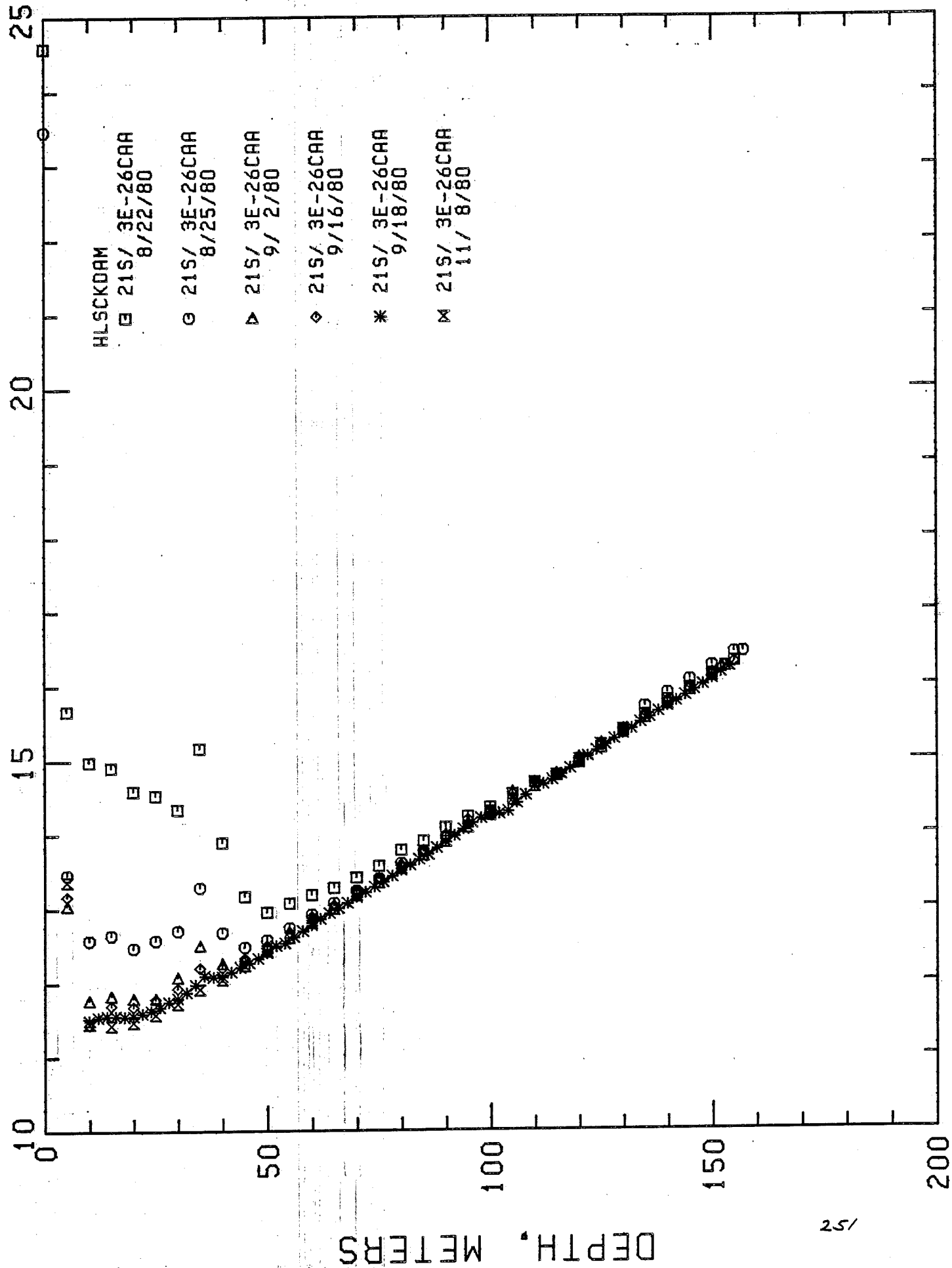
HOLE NAME: HUSCKDAM

DATE MEASURED: 9/18/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
92.0	301.8	13.980	57.16	45.0	2.5
94.0	308.3	14.060	57.31	40.0	2.2
96.0	314.9	14.150	57.47	45.0	2.5
98.0	321.4	14.210	57.58	30.0	1.6
100.0	328.0	14.240	57.63	15.0	0.8
102.0	334.6	14.270	57.69	15.0	0.8
104.0	341.1	14.300	57.74	15.0	0.8
106.0	347.7	14.410	57.94	55.0	3.0
108.0	354.2	14.520	58.14	55.0	3.0
110.0	360.8	14.630	58.33	15.0	0.8
112.0	367.4	14.660	58.39	30.0	1.6
114.0	373.9	14.720	58.50	40.0	2.2
116.0	380.5	14.800	58.64	40.0	2.2
118.0	387.0	14.880	58.78	40.0	2.2
120.0	393.6	14.960	58.93	40.0	2.2
122.0	400.2	15.040	59.07	40.0	2.2
124.0	406.7	15.120	59.22	35.0	1.9
126.0	413.3	15.190	59.34	40.0	2.2
128.0	419.8	15.270	59.49	35.0	1.9
130.0	426.4	15.340	59.61	35.0	1.9
132.0	433.0	15.410	59.74	40.0	2.2
134.0	439.5	15.490	59.88	35.0	1.9
136.0	446.1	15.560	60.01	35.0	1.9
138.0	452.6	15.640	60.15	35.0	1.9
140.0	459.2	15.710	60.28	35.0	1.9
142.0	465.8	15.780	60.40	35.0	1.9
144.0	472.3	15.850	60.53	35.0	1.9
146.0	478.9	15.930	60.67	35.0	1.9
148.0	485.4	16.000	60.80	35.0	1.9
150.0	492.0	16.080	60.94	40.0	2.2
152.0	498.6	16.160	61.09	40.0	2.2
154.0	505.1	16.240	61.23	40.0	2.2

LOCATION: ROSEBURG AMS, OREGON			
21S/ 3E-26DA			
HOLE NAME: HLCSDAM			
DATE MEASURED: 11/ 8/80			
DEPTH	TEMPERATURE	GEOTHERMAL GRADIENT	
METERS	DEG C	DEG C/KM	DEG F/100 FT
5.0	13.370	0.0	0.0
10.0	11.460	-382.0	-21.0
15.0	11.435	-5.0	-0.3
20.0	11.470	7.0	0.4
25.0	11.575	21.0	1.2
30.0	11.720	29.0	1.6
35.0	11.920	40.0	2.2
40.0	12.050	26.0	1.4
45.0	12.240	38.0	2.1
50.0	12.430	38.0	2.1
55.0	12.615	37.0	2.0
60.0	12.815	40.0	2.2
65.0	13.000	37.0	2.0
70.0	13.180	36.0	2.0
75.0	13.350	34.0	1.9
80.0	13.540	38.0	2.1
85.0	13.720	36.0	2.0
90.0	13.900	36.0	2.0
95.0	14.090	38.0	2.1
100.0	14.300	42.0	2.3
105.0	14.460	32.0	1.8
110.0	14.640	36.0	2.0
115.0	14.790	30.0	1.6
120.0	15.000	42.0	2.3
125.0	15.190	38.0	2.0
130.0	15.370	36.0	2.0
135.0	15.550	36.0	2.0
140.0	15.735	37.0	2.1
145.0	15.925	38.0	2.1
150.0	16.115	38.0	2.1
153.0	16.250	45.0	2.5

TEMPERATURE, DEG C



LOCATION: ROSEBURG AMS, OREGON

21S/ SE-16ACD

HOLE NAME: BLCK CRK

DATE MEASURED: 9/16/80

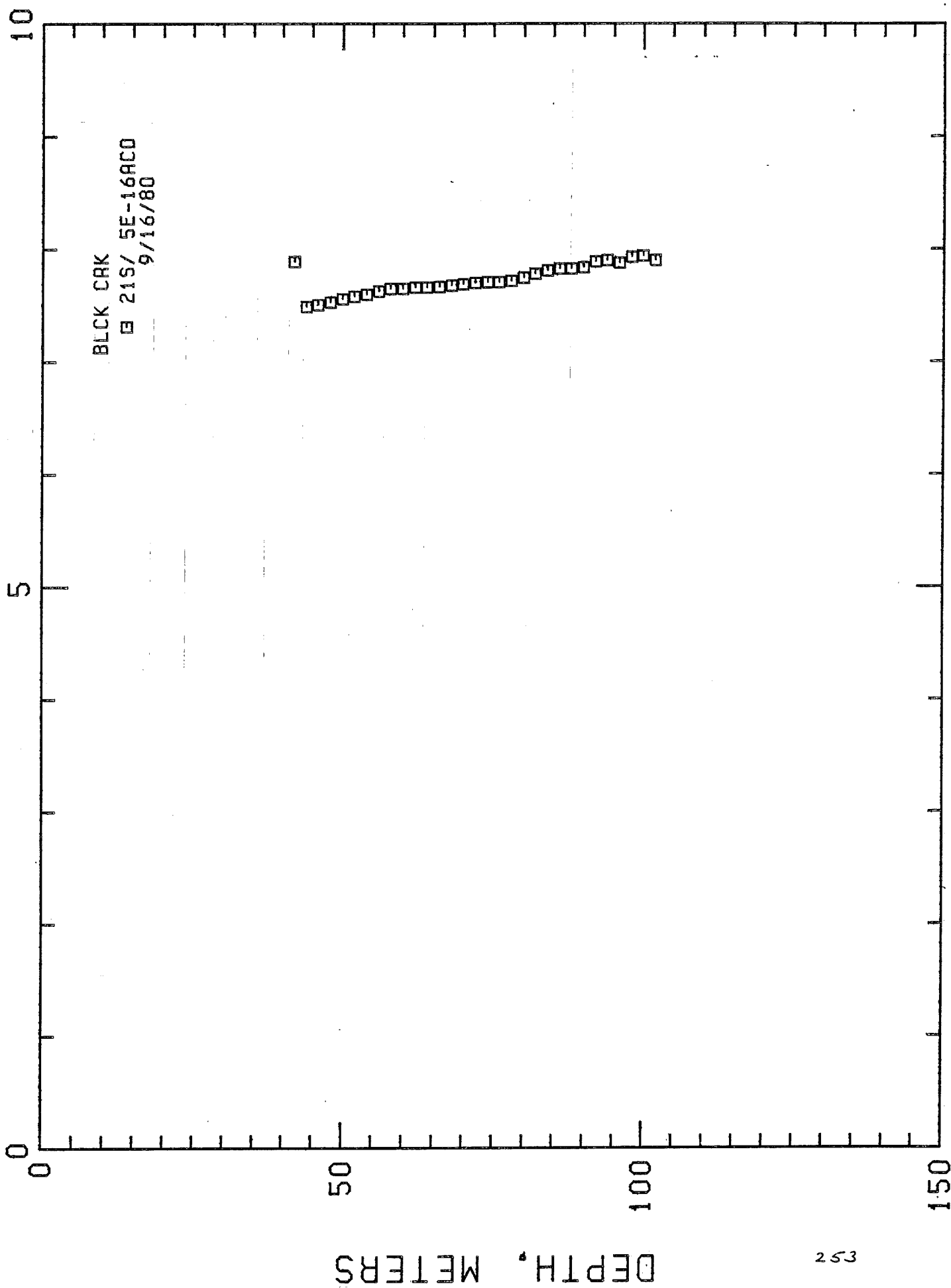
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

137.8	7.890	46.20	0.0	0.0
144.3	7.490	45.48	-11.0	0.0
150.9	7.510	45.52	0.0	0.0
157.4	7.530	45.55	0.0	0.0
164.0	7.560	45.61	0.0	0.0
170.6	7.580	45.64	0.0	0.0
177.1	7.600	45.68	0.0	0.0
183.7	7.630	45.73	0.0	0.0
190.2	7.650	45.77	0.0	0.0
196.8	7.650	45.77	0.0	0.0
203.4	7.660	45.79	0.0	0.0
209.9	7.660	45.79	0.0	0.0
216.5	7.670	45.81	0.0	0.0
223.0	7.680	45.82	0.0	0.0
229.6	7.690	45.84	0.0	0.0
236.2	7.700	45.86	0.0	0.0
242.7	7.710	45.88	0.0	0.0
249.3	7.720	45.90	0.0	0.0
255.8	7.750	45.95	0.0	0.0
262.4	7.780	46.00	0.0	0.0
269.0	7.810	46.06	0.0	0.0
275.5	7.830	46.09	0.0	0.0
282.1	7.830	46.09	0.0	0.0
288.6	7.840	46.11	0.0	0.0
295.2	7.890	46.20	0.0	0.0
301.8	7.900	46.22	0.0	0.0
308.3	7.900	46.22	0.0	0.0
314.9	7.900	46.18	0.0	0.0
321.4	7.930	46.27	0.0	0.0
328.0	7.940	46.29	0.0	0.0
334.6	7.900	46.22	0.0	0.0

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

21S/45E-13CD

HOLE NAME: BROWN RN

DATE MEASURED: 6/26/80

TEMPERATURE

DEG C DEG F

DEPTH
FEET

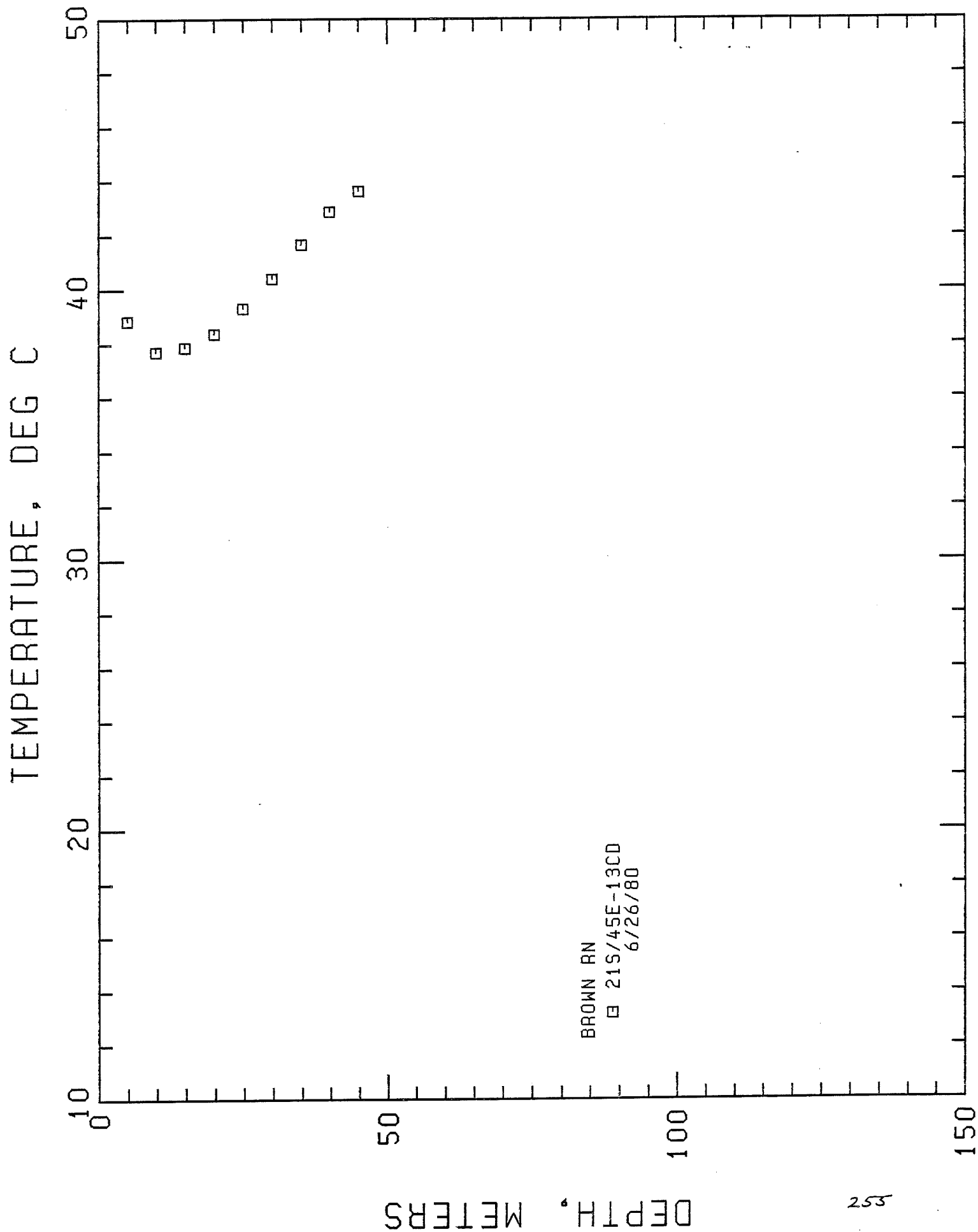
16.4
32.8
49.2
65.6
82.0
98.4
114.8
131.2
147.6

DEPTH
METERS

5.0
10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0
-230.0
34.0
100.0
188.0
220.0
252.0
242.0
150.0
0.0
-12.6
1.9
5.5
10.3
12.1
13.8
13.3
8.2



LOCATION: BOISE AMS, OREGON

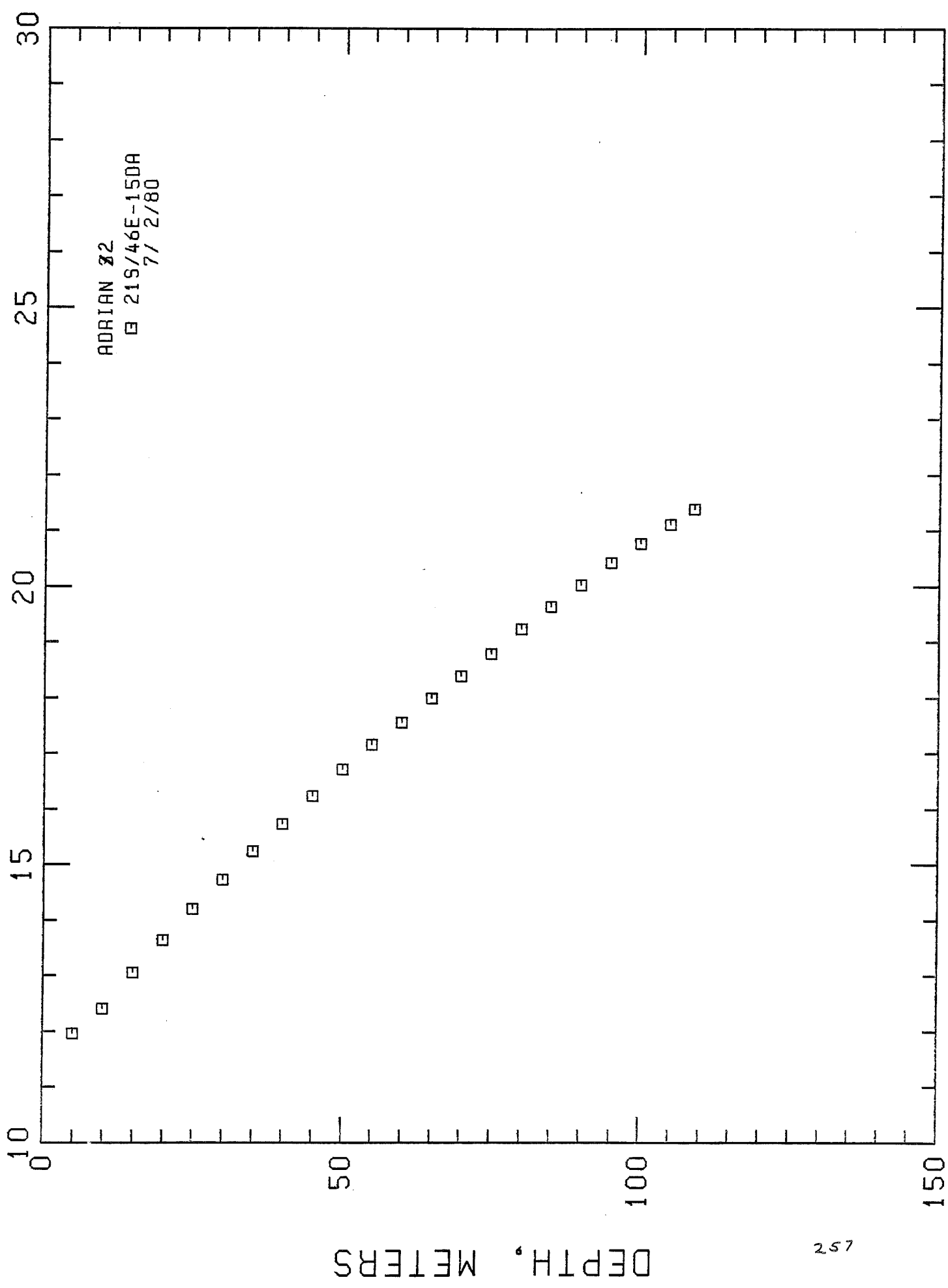
21S/46E-15DA

HOLE NAME: ADRIAN #2

DATE MEASURED: 7/ 2/80

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	11.970	53.55	0.0	0.0
10.0	32.8	12.410	54.34	88.0	4.8
15.0	49.2	13.060	55.51	130.0	7.1
20.0	65.6	13.640	56.55	116.0	6.4
25.0	82.0	14.200	57.56	112.0	6.1
30.0	98.4	14.730	58.51	106.0	5.8
35.0	114.8	15.250	59.45	104.0	5.7
40.0	131.2	15.740	60.33	98.0	5.4
45.0	147.6	16.240	61.23	100.0	5.5
50.0	164.0	16.720	62.10	96.0	5.3
55.0	180.4	17.160	62.89	88.0	4.8
60.0	196.8	17.570	63.63	82.0	4.5
65.0	213.2	18.000	64.40	86.0	4.7
70.0	229.6	18.400	65.12	80.0	4.4
75.0	246.0	18.800	65.84	80.0	4.4
80.0	262.4	19.240	66.63	88.0	4.8
85.0	278.8	19.640	67.35	80.0	4.4
90.0	295.2	20.040	68.07	80.0	4.4
95.0	311.6	20.430	68.77	78.0	4.3
100.0	328.0	20.780	69.40	70.0	3.8
105.0	344.4	21.120	70.02	68.0	3.7
109.0	357.5	21.390	70.50	67.5	3.7

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BOISE AMS, OREGON

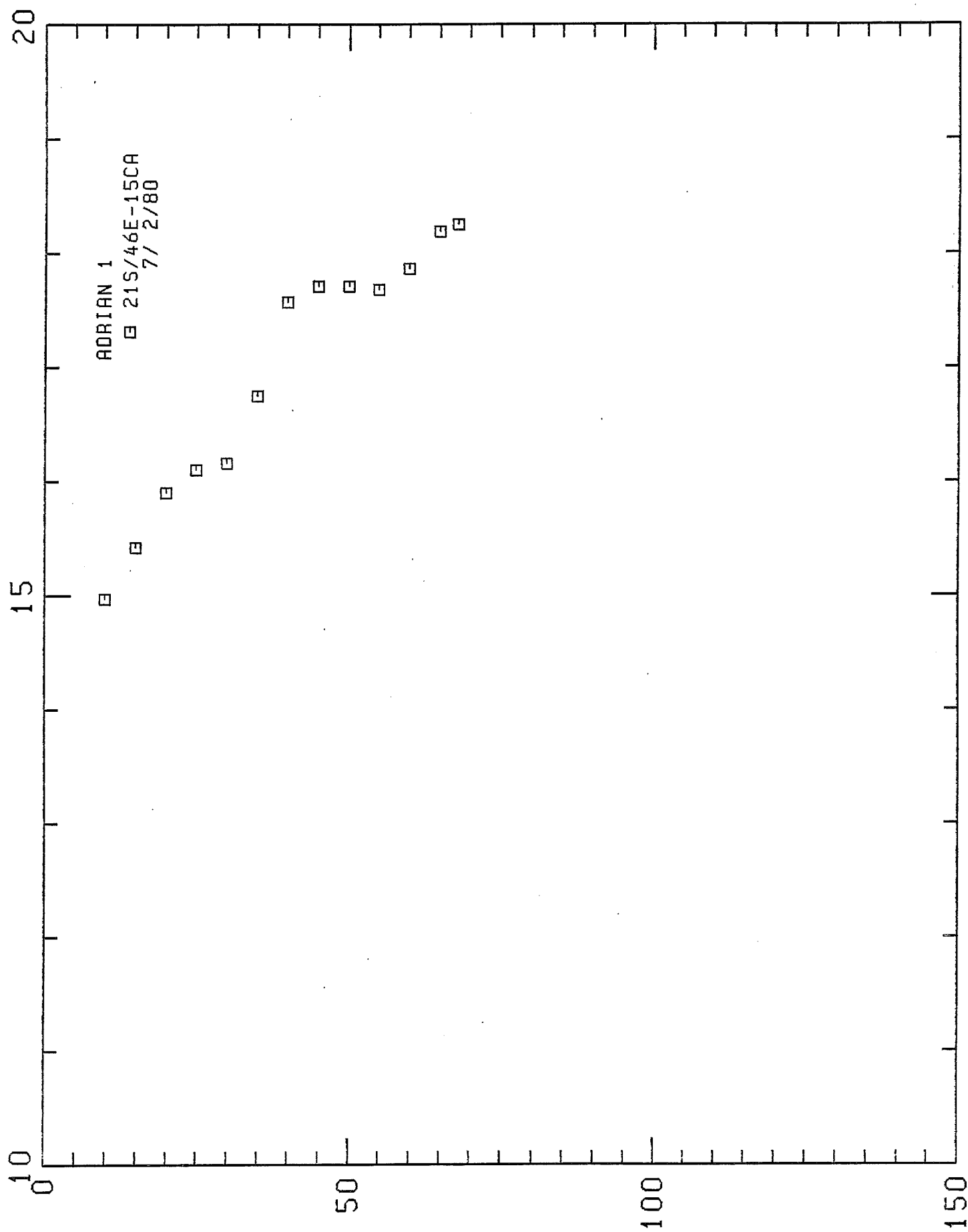
HOLE NAME: 21S/46E-15CA

DATE MEASURED: 7/2/80

ADRIAN 1

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	14.970	58.95	0.0	0.0
15.0	49.2	15.420	59.76	90.0	4.9
20.0	65.6	15.900	60.62	95.0	5.3
25.0	82.0	16.100	60.98	40.0	2.2
30.0	98.4	16.160	61.09	12.0	0.7
35.0	114.8	16.750	62.15	118.0	6.5
40.0	131.2	17.570	63.63	164.0	9.0
45.0	147.6	17.710	63.88	28.0	1.5
50.0	164.0	17.710	63.88	0.0	0.0
55.0	180.4	17.680	63.82	-6.0	-0.9
60.0	196.8	17.860	64.15	36.0	2.0
65.0	213.2	18.190	64.74	66.0	3.6
68.0	223.0	18.250	64.85	20.0	1.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

225/32E-26BB

HOLE NAME: TURDY

DATE MEASURED: 5/21/80

TEMPERATURE

DEG C DEG F

DEPTH

FEET

DEPTH
METERS

10.0
15.0
20.0
25.0
30.0
35.0
40.0
42.0

32.8
49.2
65.6
82.0
98.4
114.8
131.2
137.8

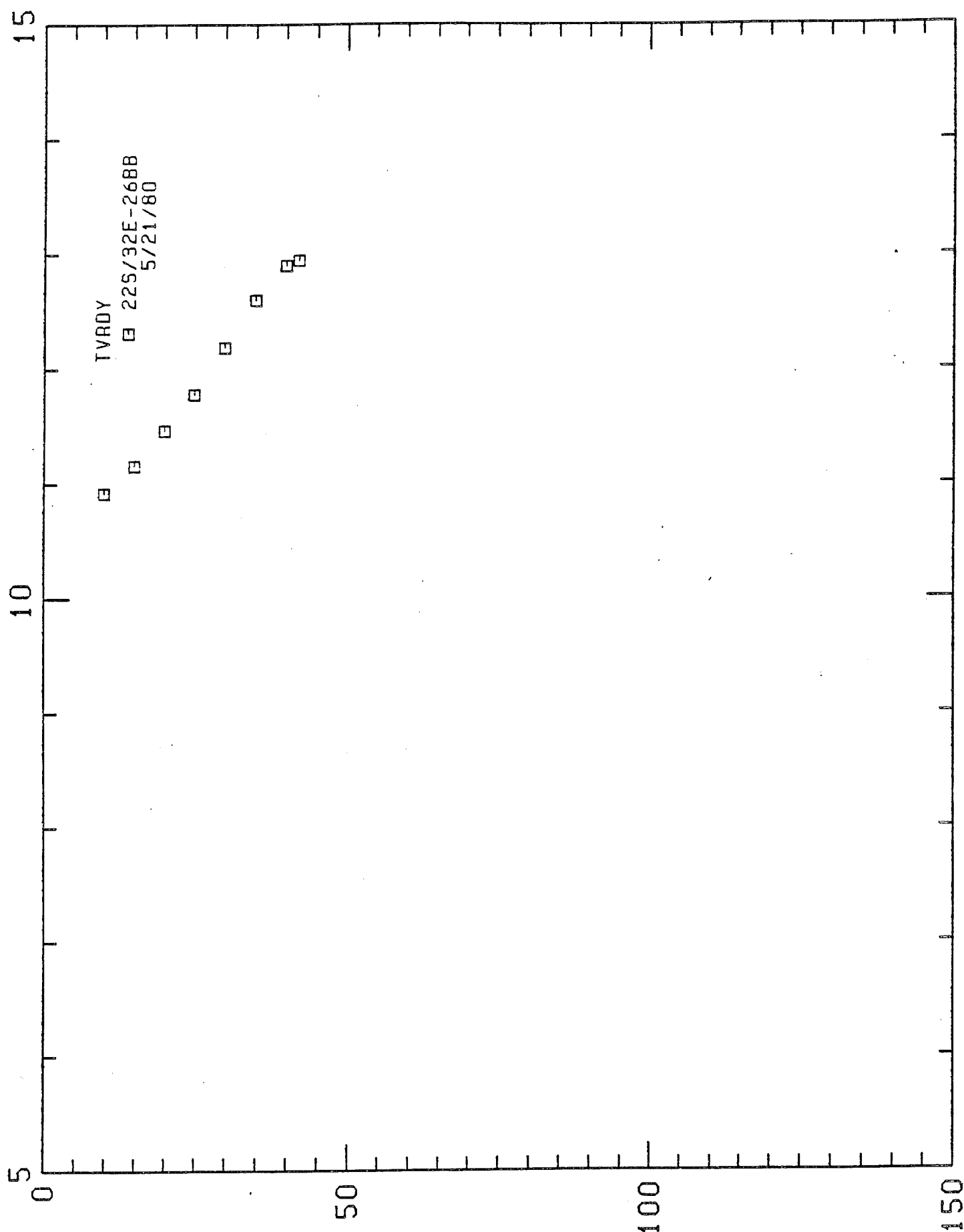
10.920
11.160
11.470
11.780
12.190
12.600
12.900
12.950

51.66
52.09
52.65
53.20
53.94
54.68
55.22
55.31

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

0.0
48.0
62.0
62.0
82.0
82.0
60.0
25.0
0.0
2.6
3.4
3.4
4.5
4.5
3.3
1.4

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

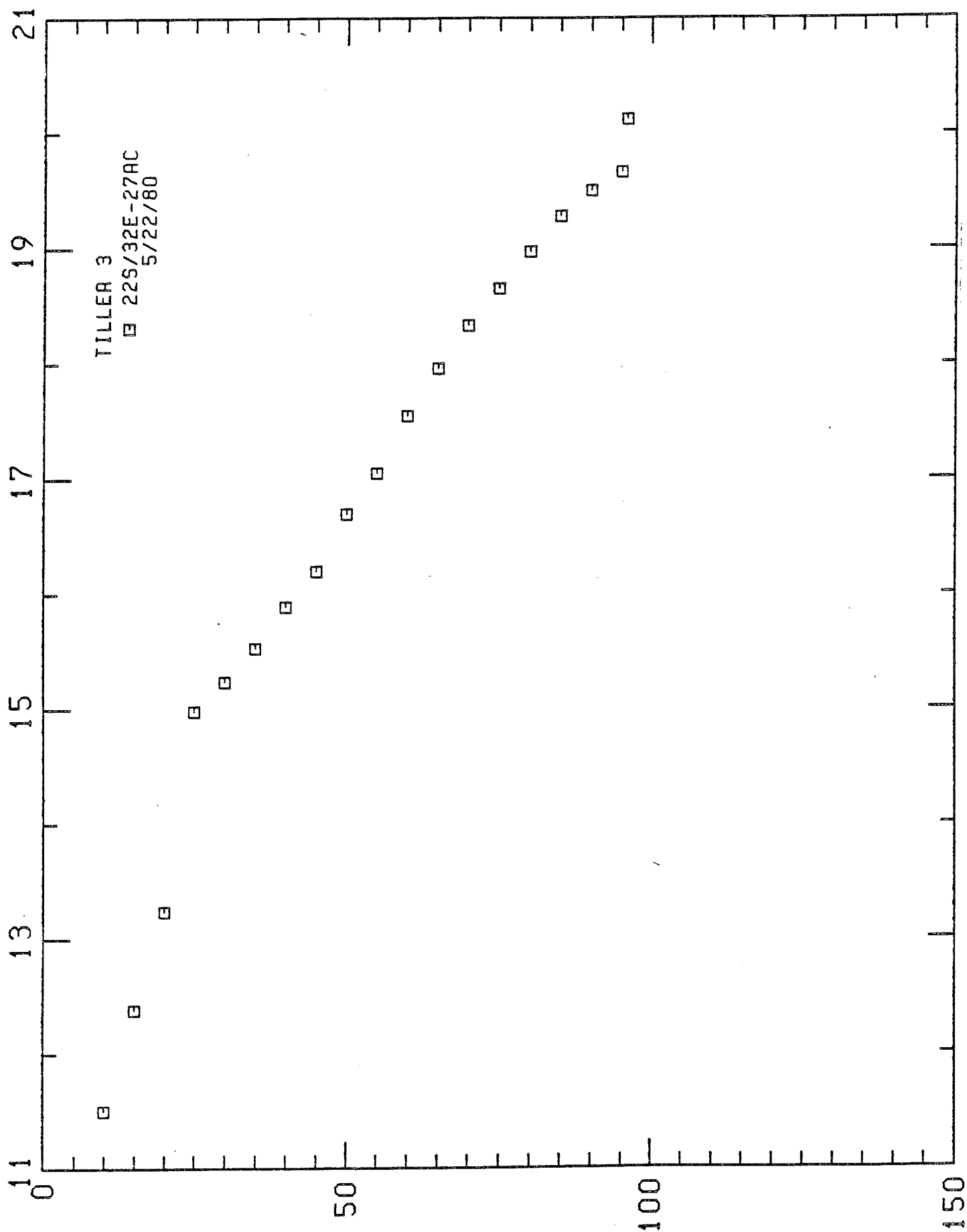
225/32E-27AC

HOLE NAME: TILLER 3

DATE MEASURED: 5/22/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	DEG C/KM	GEO THERMAL GRADIENT DEG F/100 FT
10.0	32.8	11.500	52.70	0.0	0.7
15.0	49.2	12.380	54.28	176.0	9.4
20.0	65.6	13.240	55.83	172.0	19.1
25.0	82.0	14.980	58.96	348.0	2.9
30.0	98.4	15.240	59.43	52.0	3.2
35.0	114.8	15.530	59.95	58.0	4.0
40.0	131.2	15.890	60.60	72.0	3.4
45.0	147.6	16.200	61.16	62.0	5.5
50.0	164.0	16.700	62.06	100.0	5.5
55.0	180.4	17.050	62.69	70.0	4.5
60.0	196.8	17.550	63.59	100.0	1.5
65.0	213.2	17.960	64.33	82.0	3.4
70.0	229.6	18.330	64.99	74.0	3.4
75.0	246.0	18.650	65.57	64.0	3.4
80.0	262.4	18.970	66.15	64.0	2.4
85.0	278.8	19.280	66.70	62.0	1.8
90.0	295.2	19.500	67.10	44.0	25.2
95.0	311.6	19.660	67.39	32.0	
96.0	314.9	20.120	68.22	460.0	

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

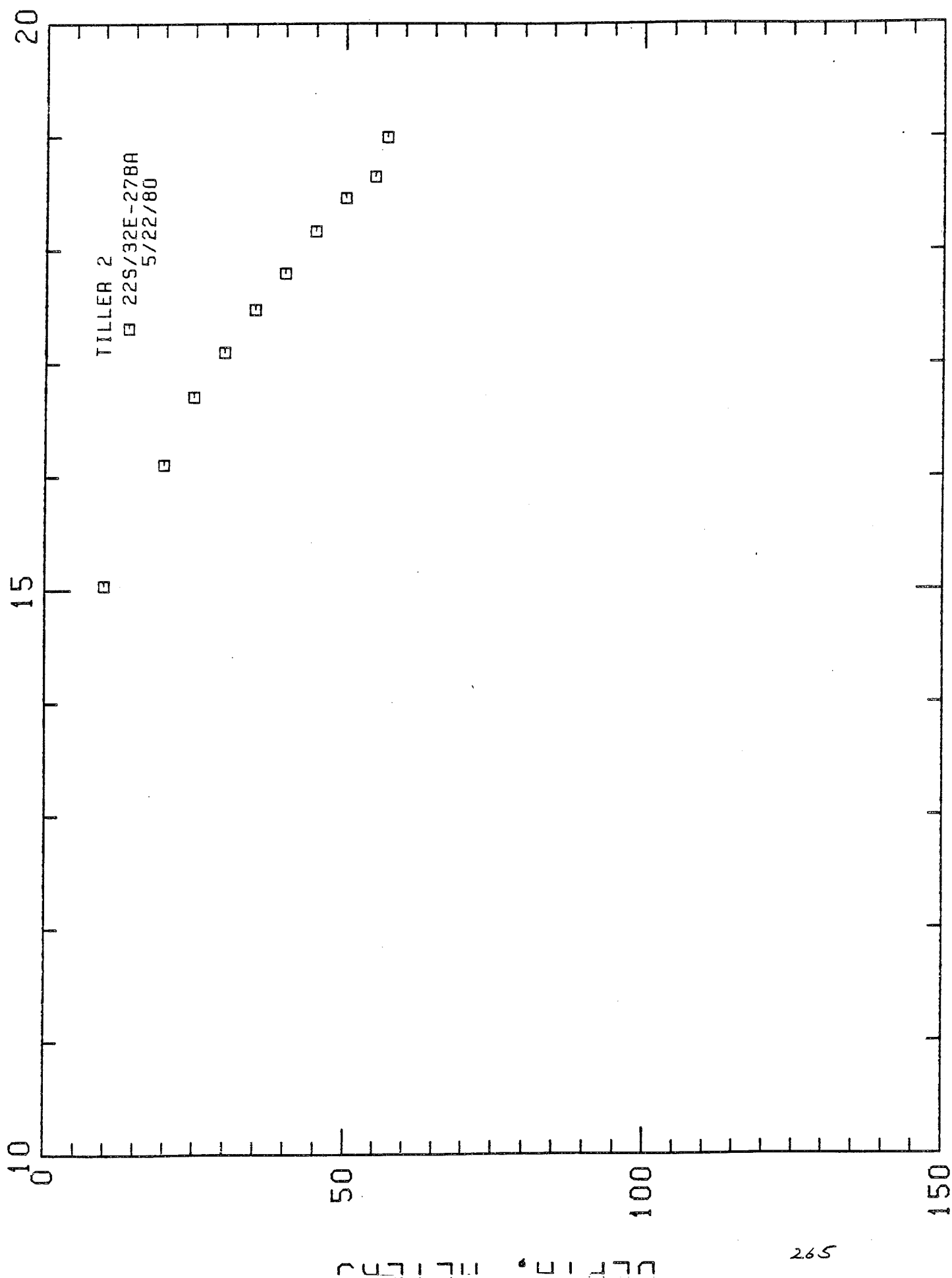
225/32E-27BA

HOLE NAME: TILLER 2

DATE MEASURED: 5/22/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	15.040	59.07	0.0	0.0
20.0	65.6	16.110	61.00	107.0	5.9
25.0	82.0	16.710	62.08	120.0	6.6
30.0	98.4	17.100	62.78	78.0	4.3
35.0	114.8	17.480	63.46	76.0	4.2
40.0	131.2	17.800	64.04	64.0	3.5
45.0	147.6	18.170	64.71	74.0	4.1
50.0	164.0	18.460	65.23	58.0	3.2
55.0	180.4	18.650	65.57	38.0	2.1
57.0	187.0	19.000	66.20	175.0	9.6

TEMPERATURE, DEG C



22S/32E-27BA

5/22/80

LOCATION: BURNS AMS, OREGON

22S/32E-27CB

HOLE NAME: TILLER 1

DATE MEASURED: 5/22/80

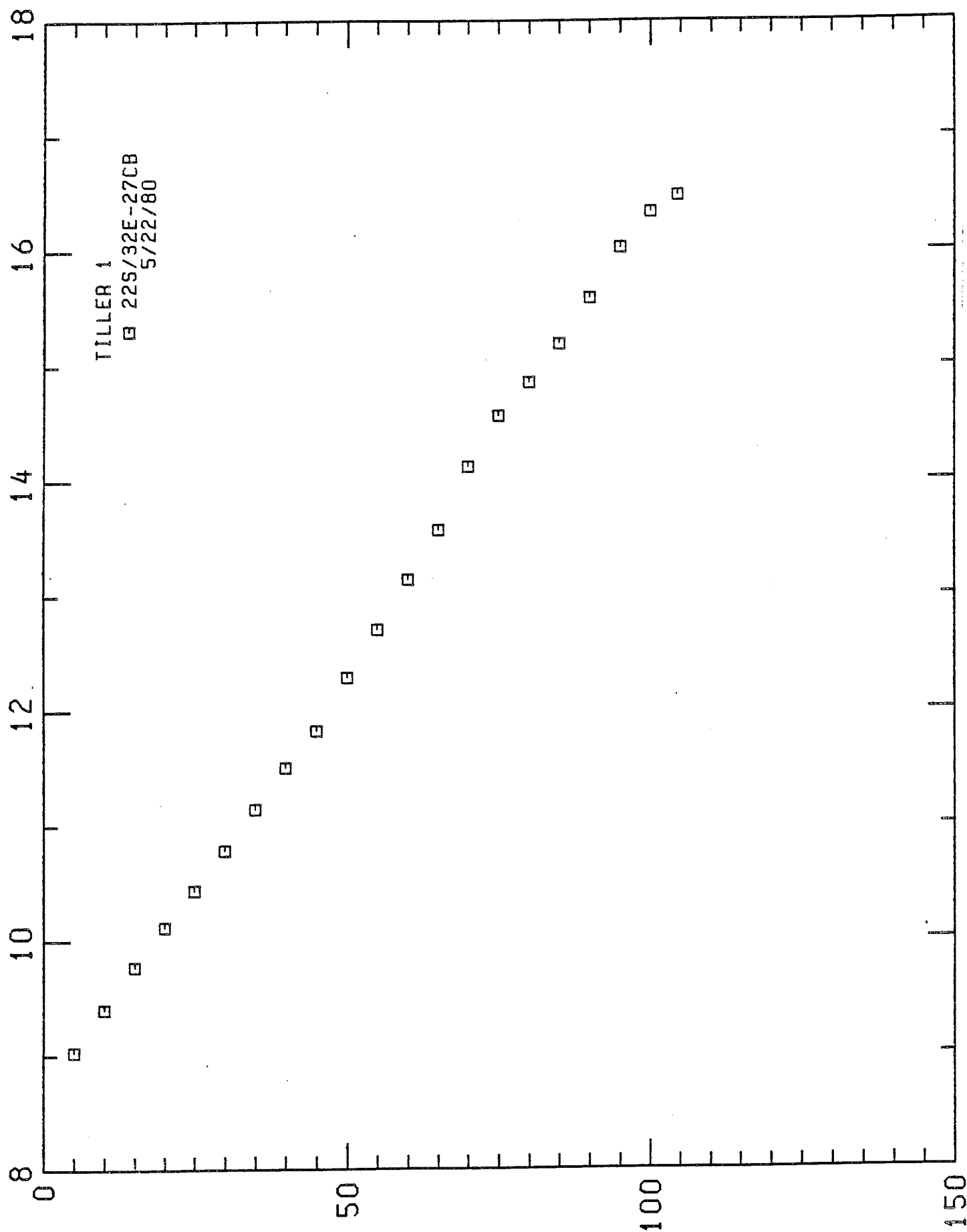
TEMPERATURE

DEPTH

DEPTH

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	9.030	48.25	0.0	0.0
10.0	32.8	9.400	48.92	74.0	4.1
15.0	49.2	9.770	49.59	74.0	4.1
20.0	65.6	10.120	50.22	70.0	3.8
25.0	82.0	10.440	50.79	64.0	3.5
30.0	98.4	10.790	51.42	70.0	3.8
35.0	114.8	11.150	52.07	72.0	4.0
40.0	131.2	11.510	52.72	72.0	4.0
45.0	147.6	11.830	53.29	64.0	3.5
50.0	164.0	12.290	54.12	92.0	5.0
55.0	180.4	12.710	54.88	84.0	4.6
60.0	196.8	13.140	55.65	86.0	4.7
65.0	213.2	13.570	56.43	86.0	4.7
70.0	229.6	14.120	57.42	110.0	6.0
75.0	246.0	14.560	58.21	88.0	4.8
80.0	262.4	14.850	58.73	58.0	3.2
85.0	278.8	15.190	59.34	68.0	3.7
90.0	295.2	15.590	60.06	80.0	4.4
95.0	311.6	16.030	60.85	88.0	4.8
100.0	328.0	16.340	61.41	62.0	3.4
104.5	342.8	16.480	61.66	31.1	1.7

TEMPERATURE, DEG C



TEMPERATURE, DEG C

LOCATION: BURNS AMS, OREGON

22S/32E-31DB

HOLE NAME: BLACKBURN

DATE MEASURED: 5/22/80

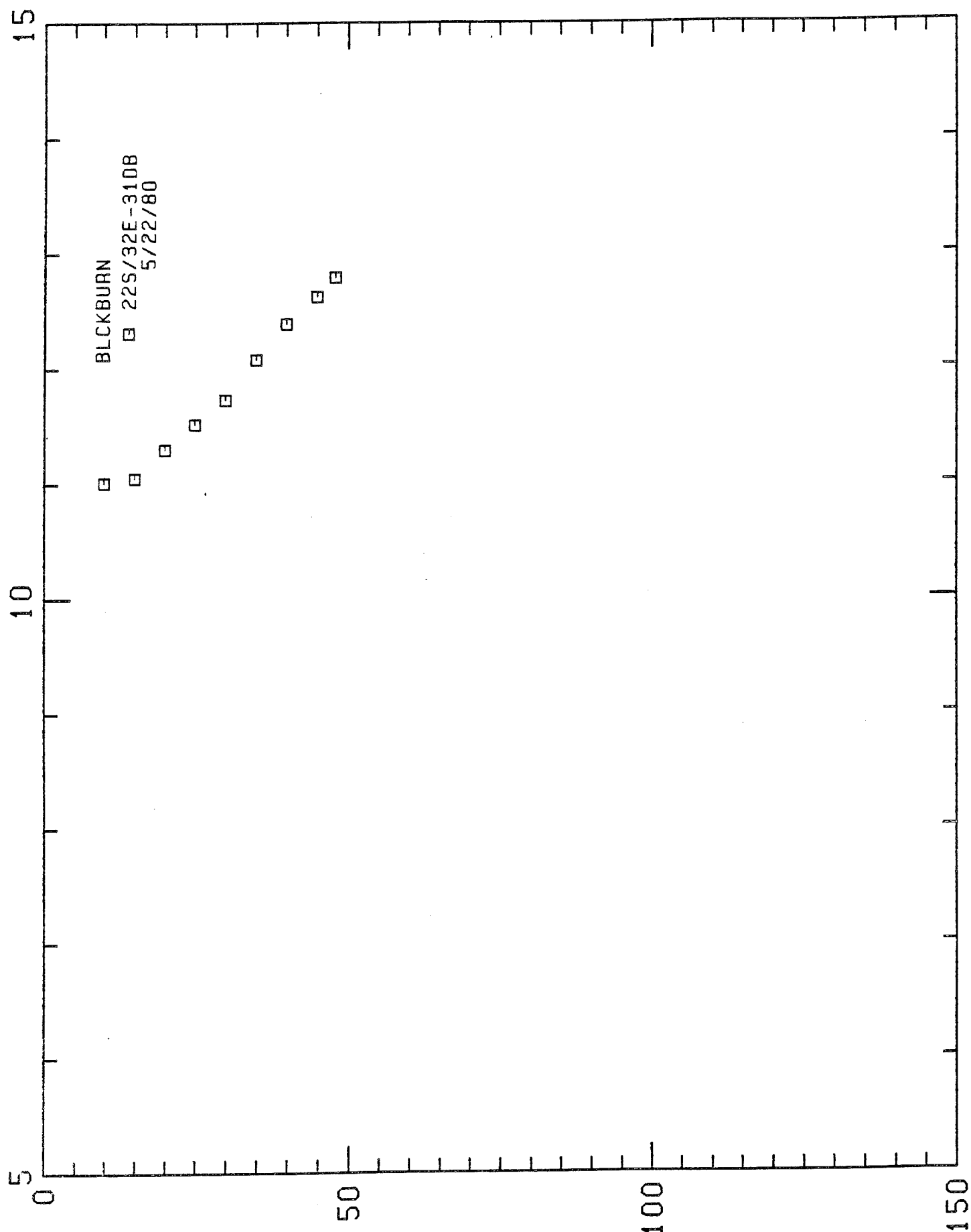
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
32.8	11.010	51.82	0.0	0.0
49.2	11.050	51.89	8.0	0.4
65.6	11.300	52.34	50.0	2.7
82.0	11.520	52.74	44.0	2.4
98.4	11.730	53.11	42.0	2.3
114.8	12.080	53.74	70.0	3.8
131.2	12.390	54.30	62.0	3.4
147.6	12.620	54.72	46.0	2.5
157.4	12.790	55.02	56.7	3.1

TEMPERATURE, DEG C



22S/32E-310B

LOCATION: BURNS AMS, OREGON

HOLE NAME: 22S/32E-32AAD

DATE MEASURED: 11/23/80

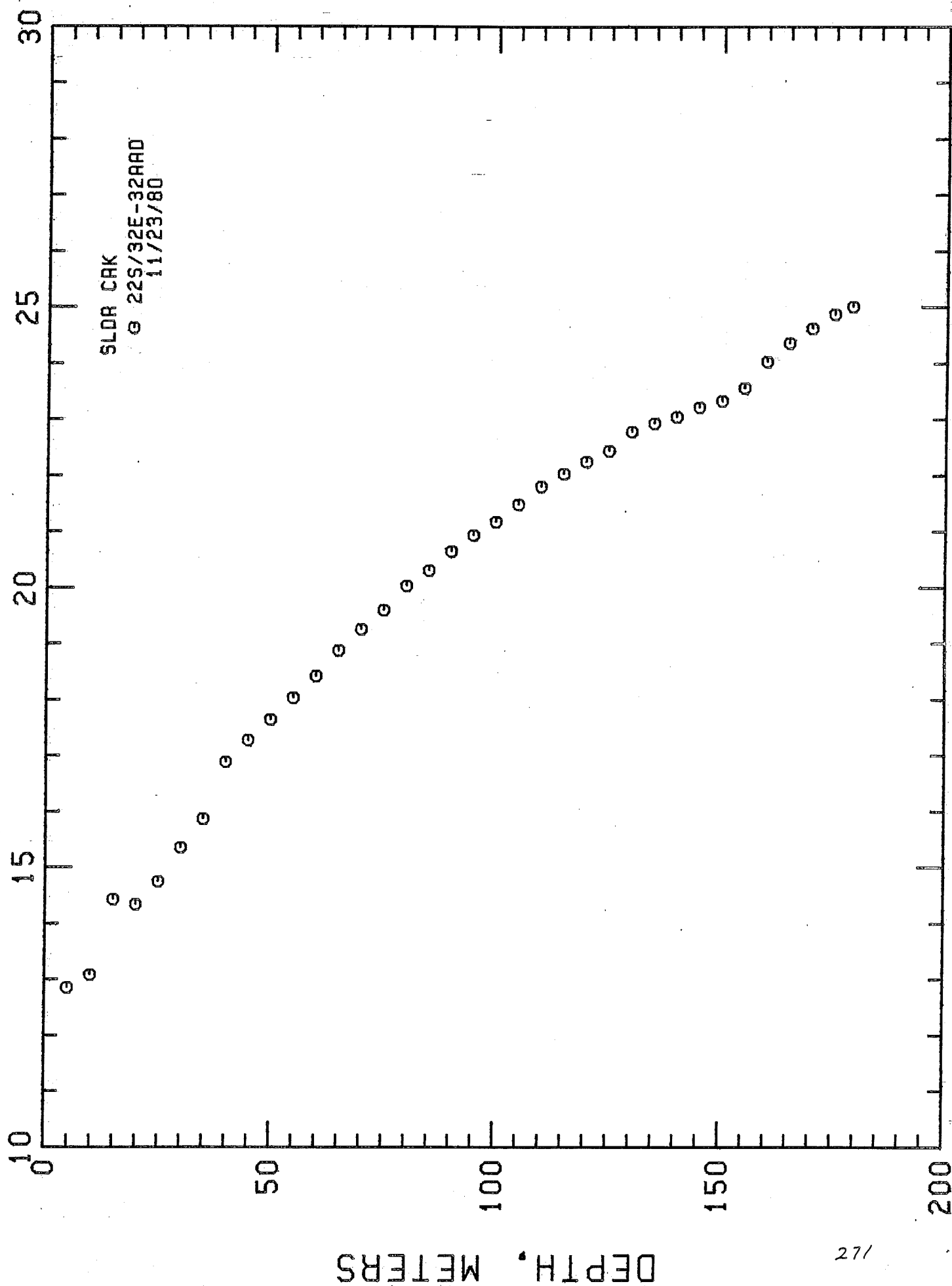
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
16.4	12.855	55.14	0.0	0.55
32.8	13.080	55.54	45.0	2.14
49.2	14.435	57.98	271.0	-1.1
65.6	14.340	57.81	-1.0	14.05
82.0	14.750	58.55	82.0	4.56
98.4	15.355	59.64	121.0	5.17
114.8	15.870	60.57	103.0	4.23
131.2	16.895	62.41	205.0	11.3
147.6	17.275	63.09	76.0	4.21
164.0	17.650	63.77	0.0	4.2
180.4	18.030	64.45	76.0	4.23
196.8	18.425	65.17	79.0	4.3
213.2	18.880	65.98	91.0	4.5
229.6	19.255	66.66	15.0	4.1
246.0	19.605	67.29	70.0	4.3
262.4	20.040	68.07	67.0	4.3
278.8	20.305	68.55	53.0	4.3
295.2	20.655	69.18	70.0	4.3
311.6	20.935	69.68	156.0	1.7
328.0	21.180	70.12	49.0	4.4
344.4	21.490	70.68	62.0	4.4
360.8	21.800	71.24	62.0	4.4
377.2	22.030	71.65	46.0	4.5
393.6	22.250	72.05	44.0	4.5
410.0	22.440	72.39	38.0	4.1
426.4	22.790	73.02	29.0	1.6
442.8	22.935	73.28	29.0	1.6
459.2	23.055	73.50	4.0	0.3
475.6	23.225	73.81	24.0	1.1
492.0	23.340	74.01	23.0	1.1
508.4	23.555	74.42	45.0	1.3
524.8	24.040	75.27	55.0	1.5
541.2	24.360	75.85	64.0	1.5
557.6	24.630	76.33	54.0	1.3
574.0	24.880	76.78	50.0	1.3
590.4	25.020	77.04	53.0	1.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

HOLE NAME: BURNS HS

DATE MEASURED: 11/ 4/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
5.0	16.4	15.080	59.14	0.0	0.0
10.0	32.8	13.850	56.93	-246.0	-13.5
15.0	49.2	14.180	57.52	66.0	3.6
20.0	65.6	13.500	56.30	-136.0	-7.5
25.0	82.0	13.560	56.41	12.0	0.7
30.0	98.4	13.800	56.84	48.0	2.6
35.0	114.8	14.110	57.40	62.0	3.4
40.0	131.2	14.210	57.58	20.0	1.2
45.0	147.6	14.410	57.94	40.0	2.2
50.0	164.0	14.595	58.27	37.0	2.0
55.0	180.4	14.860	58.75	53.0	3.0
60.0	196.8	15.100	59.18	48.0	2.6
65.0	213.2	15.555	60.00	91.0	5.0
70.0	229.6	15.765	60.38	42.0	2.3
75.0	246.0	16.065	60.92	60.0	3.3
80.0	262.4	16.500	61.70	87.0	4.8
85.0	278.8	16.905	62.43	81.0	4.4
90.0	295.2	16.940	62.49	7.0	0.4
95.0	311.6	17.050	62.69	22.0	1.2
100.0	328.0	17.400	63.32	70.0	3.9
105.0	344.4	17.620	63.72	44.0	2.4
110.0	360.8	17.830	64.09	42.0	2.3
115.0	377.2	17.930	64.27	20.0	1.1
120.0	393.6	17.905	64.23	-5.0	-0.9
125.0	410.0	17.980	64.36	15.0	0.8
130.0	426.4	18.000	64.40	4.0	0.2
135.0	442.8	18.100	64.58	20.0	1.1
139.0	455.9	18.085	64.55	-3.0	-0.5

LOCATION: BURNS AMS, OREGON

HOLE NAME: BURNS HS

DATE MEASURED: 11/23/80

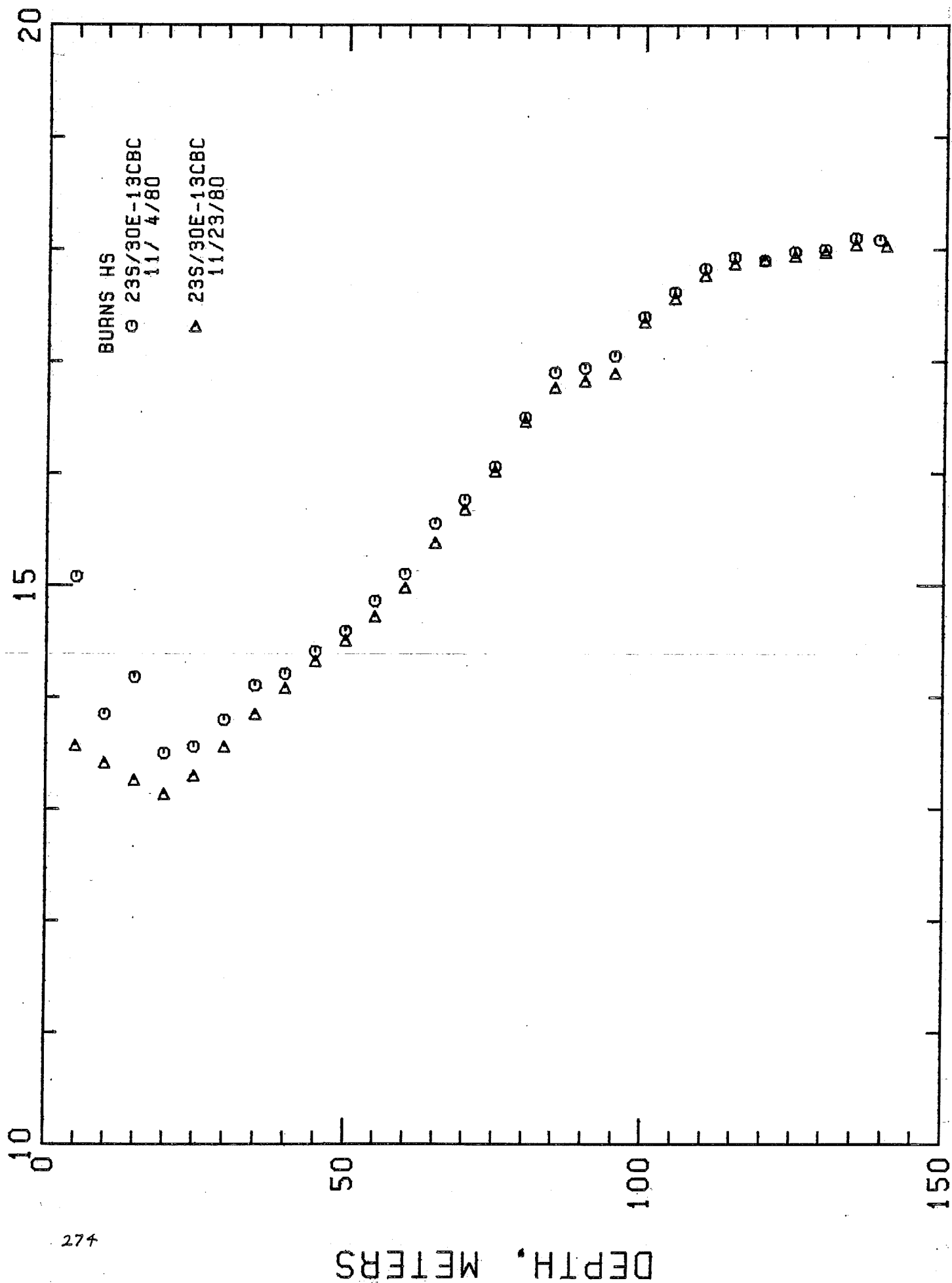
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

16.4	13.570	56.43	0.0	0.7
32.8	13.415	56.15	-31.0	-1.6
49.2	13.265	55.88	-30.0	-1.4
65.6	13.135	55.64	-26.0	-1.0
82.0	13.300	55.94	33.0	1.8
98.4	13.560	56.41	52.0	2.2
114.8	13.850	56.93	58.0	2.6
131.2	14.085	57.35	47.0	2.2
147.6	14.325	57.79	48.0	2.2
164.0	14.510	58.12	37.0	2.0
180.4	14.725	58.51	43.0	2.4
196.8	14.980	58.96	51.0	2.8
213.2	15.380	59.68	80.0	4.4
229.6	15.680	60.22	60.0	3.3
246.0	16.020	60.84	68.0	3.7
262.4	16.470	61.65	90.0	5.0
278.8	16.770	62.19	60.0	3.3
295.2	16.830	62.29	12.0	0.6
311.6	16.900	62.42	14.0	0.6
328.0	17.355	63.24	91.0	5.0
344.4	17.565	63.62	42.0	2.2
360.8	17.770	63.99	41.0	2.2
377.2	17.875	64.18	21.0	1.0
393.6	17.910	64.24	7.0	0.4
410.0	17.940	64.29	6.0	0.3
426.4	17.980	64.36	8.0	0.4
442.8	18.045	64.48	13.0	0.7
459.2	18.035	64.46	-2.0	-0.1

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON
235/30E-35AD

HOLE NAME: HINE LBR
DATE MEASURED: 11/10/80

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	16.515	61.73	0.0	0.0
10.0	32.8	17.320	63.18	161.0	8.8
15.0	49.2	23.265	73.88	1189.0	65.2
20.0	65.6	24.145	75.46	176.0	9.7
25.0	82.0	25.320	77.58	235.0	12.9
30.0	98.4	25.515	77.93	39.0	2.1
35.0	114.8	24.930	76.87	-117.0	-6.4
40.0	131.2	28.470	83.25	708.0	38.9
45.0	147.6	24.830	76.69	-728.0	-40.0
50.0	164.0	24.050	75.29	-156.0	-8.6
55.0	180.4	23.860	74.95	-38.0	-2.1
60.0	196.8	23.990	75.18	26.0	1.4

LOCATION: BURNS AMS, OREGON
235/30E-35AAD

HOLE NAME: HINE LBR

DATE MEASURED: 11/21/80

DEPTH
FEET

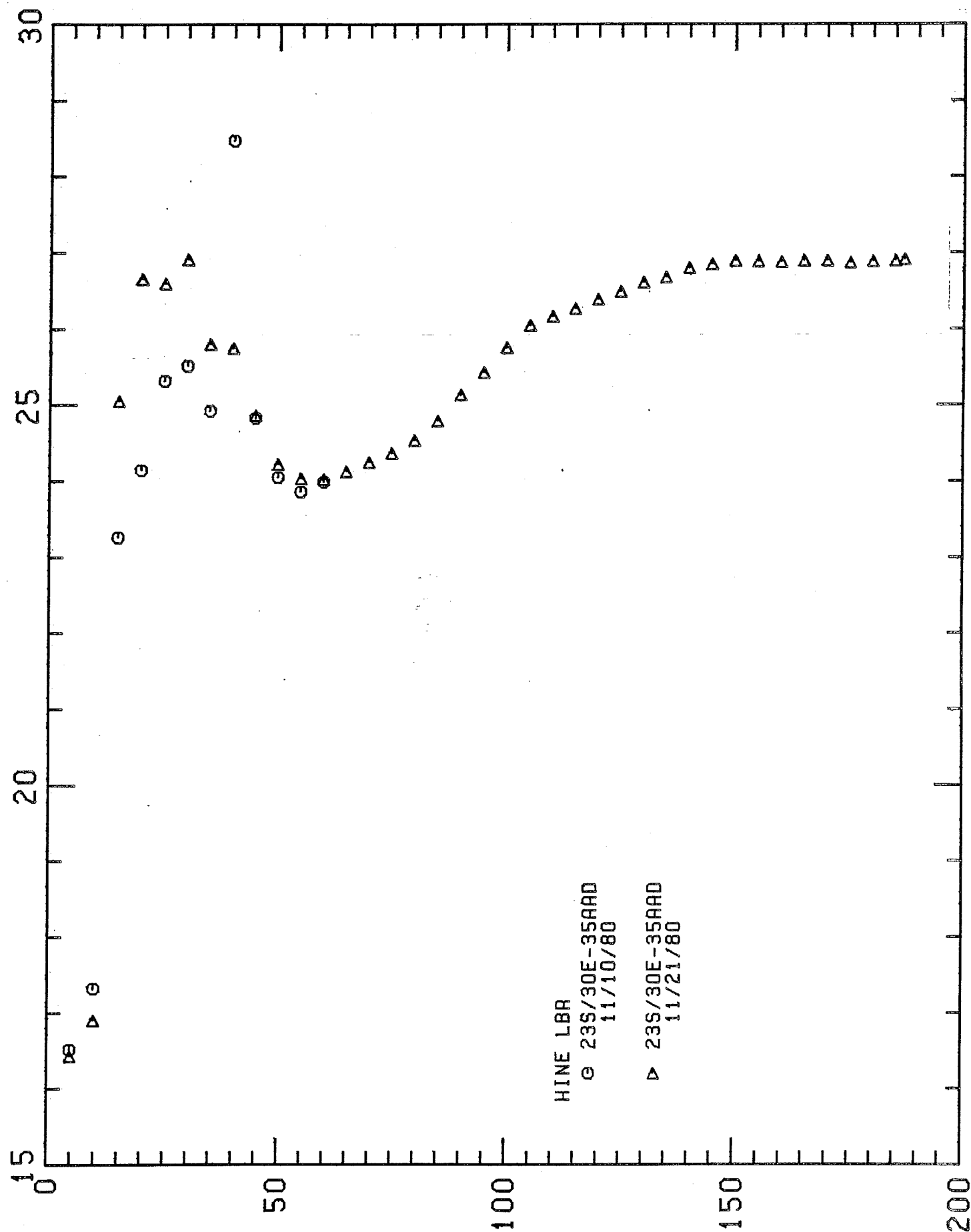
DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.430	61.57	0.0	0.0	0.0
10.0	16.905	62.43	95.0	5.2	5.2
15.0	25.050	77.09	1629.0	89.4	89.4
20.0	26.655	79.98	321.0	17.6	17.6
25.0	26.600	79.88	-11.0	-0.6	-0.6
30.0	26.910	80.44	62.0	3.4	3.4
35.0	25.800	78.44	-222.0	-12.2	-12.2
40.0	25.745	78.34	-11.0	-0.6	-0.6
45.0	24.865	76.76	-176.0	-9.7	-9.7
50.0	24.220	75.60	-129.0	-7.1	-7.1
55.0	24.030	75.25	-38.0	-2.0	-2.0
60.0	24.025	75.24	-1.0	-0.1	-0.1
65.0	24.130	75.43	21.0	1.2	1.2
70.0	24.250	75.65	23.0	1.3	1.3
75.0	24.365	75.86	35.0	1.9	1.9
80.0	24.540	76.17	52.0	3.0	3.0
85.0	24.800	76.64	68.0	3.9	3.9
90.0	25.140	77.25	58.0	3.2	3.2
95.0	25.430	77.77	58.0	3.6	3.6
100.0	25.755	78.36	58.0	3.4	3.4
105.0	26.045	78.88	35.0	1.1	1.1
110.0	26.170	79.11	25.0	1.1	1.1
115.0	26.270	79.29	20.0	1.1	1.1
120.0	26.395	79.51	25.0	1.4	1.4
125.0	26.495	79.69	23.0	1.3	1.3
130.0	26.610	79.90	14.0	0.8	0.8
135.0	26.680	80.02	24.0	1.0	1.0
140.0	26.800	80.24	11.0	0.6	0.6
145.0	26.855	80.34	8.0	0.4	0.4
150.0	26.895	80.41	-2.0	-0.1	-0.1
155.0	26.885	80.39	-1.0	-0.0	-0.0
160.0	26.880	80.38	3.0	0.1	0.1
165.0	26.895	80.41	0.0	0.0	0.0
170.0	26.895	80.41	5.0	0.3	0.3
175.0	26.870	80.37	4.0	0.3	0.3
180.0	26.890	80.40	2.0	0.2	0.2
185.0	26.900	80.42	2.0	0.2	0.2
187.0	26.915	80.45	7.5	1.4	1.4

DEPTH, METERS

TEMPERATURE, DEG C



HINE LBR
O 235/30E-35RAD
11/10/80
Δ 235/30E-35RAD
11/21/80

LOCATION: BURNS AMS, OREGON

HOLE NAME: 25S/34E-7A/C

DATE MEASURED: 11/3/80

CRANE HS

TEMPERATURE

DEG C

DEG F

DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

5.0	16.4	12.065	53.72	0.0	0.2
10.0	32.8	12.720	54.90	131.0	7.5
15.0	49.2	13.530	56.35	162.0	8.2
20.0	65.6	13.740	56.73	42.0	1.0
25.0	82.0	13.830	56.89	18.0	5.2
30.0	98.4	14.300	57.74	94.0	4.0
35.0	114.8	14.790	58.62	98.0	5.5
40.0	131.2	15.250	59.45	92.0	4.6
45.0	147.6	15.665	60.20	83.0	1.2
50.0	164.0	16.130	61.03	93.0	5.1
55.0	180.4	16.600	61.88	94.0	2.8
60.0	196.8	17.130	62.83	106.0	7.0
65.0	213.2	17.650	63.77	104.0	9.9
70.0	229.6	18.195	64.75	109.0	2.9
75.0	246.0	18.735	65.72	108.0	5.2
80.0	262.4	19.300	66.74	113.0	9.1
85.0	278.8	19.840	67.71	108.0	1.1
90.0	295.2	20.400	68.72	112.0	5.1
95.0	311.6	20.955	69.72	111.0	4.4
100.0	328.0	21.510	70.72	111.0	3.2
105.0	344.4	22.000	71.60	98.0	4.3
110.0	360.8	22.390	72.30	78.0	2.0
115.0	377.2	22.770	72.99	76.0	8.4
120.0	393.6	23.130	73.63	72.0	5.3
125.0	410.0	23.660	74.59	106.0	4.3
130.0	426.4	24.150	75.47	98.0	5.3
135.0	442.8	24.450	76.01	60.0	

LOCATION: BURNS AMS, OREGON

255/34E-7AAC

HOLE NAME: CRANE HS

DATE MEASURED: 11/17/80

DEPTH TEMPERATURE

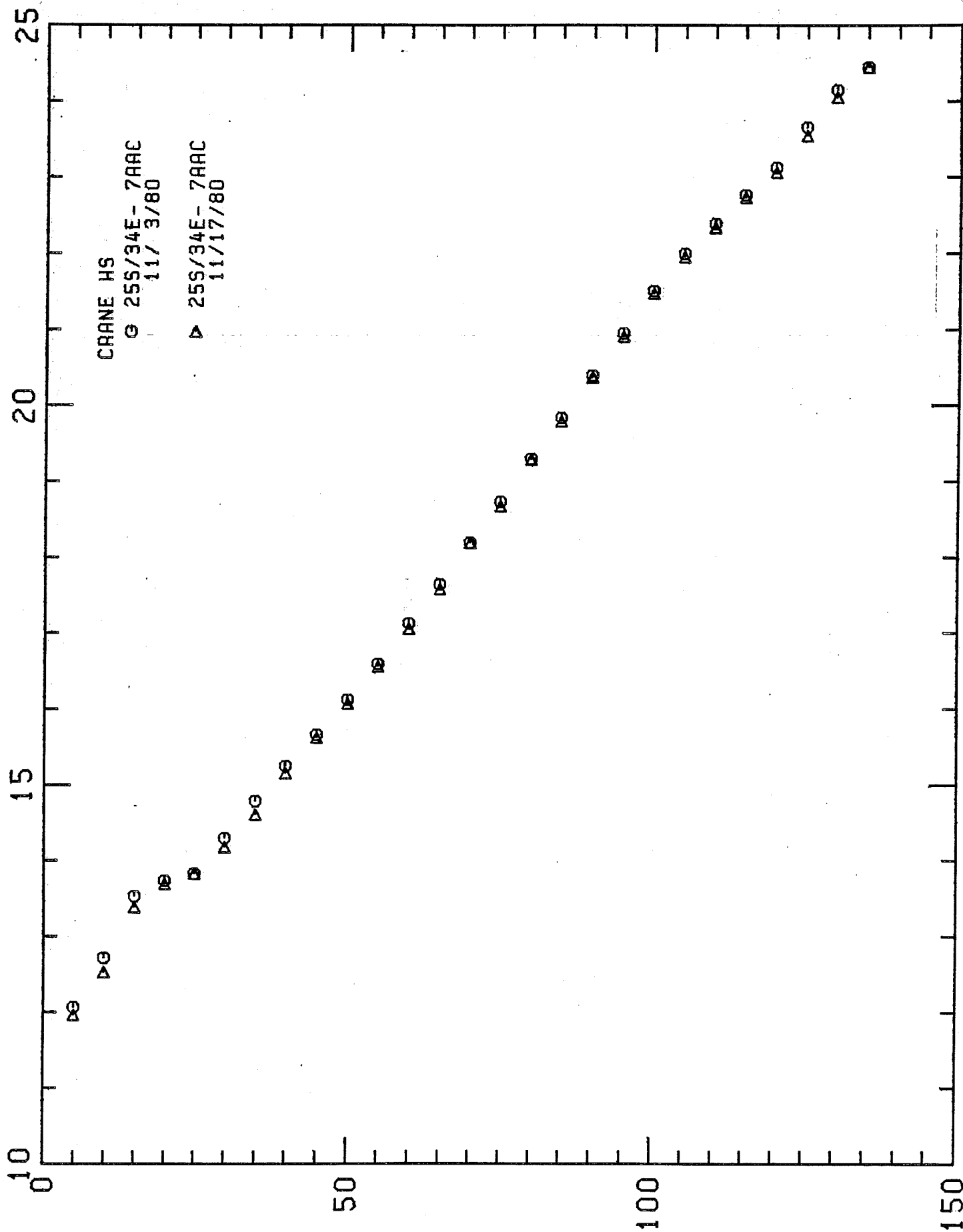
FEET

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	11.965	53.54	0.0	0.2
10.0	12.530	54.55	113.0	66.4
15.0	13.385	56.09	171.0	99.4
20.0	13.695	56.65	62.0	3.4
25.0	13.835	56.90	28.0	1.5
30.0	14.180	57.52	69.0	4.0
35.0	14.615	58.31	87.0	8.0
40.0	15.160	59.29	109.0	0.2
45.0	15.630	60.13	94.0	2.0
50.0	16.090	60.94	90.0	3.0
55.0	16.565	61.82	97.0	5.0
60.0	17.065	62.72	100.0	7.0
65.0	17.585	63.65	104.0	9.0
70.0	18.190	64.74	121.0	17.0
75.0	18.675	65.62	97.0	5.0
80.0	19.255	66.73	124.0	7.0
85.0	19.800	67.64	101.0	9.0
90.0	20.370	68.67	114.0	17.0
95.0	20.910	69.64	108.0	5.0
100.0	21.480	70.66	114.0	7.0
105.0	21.960	71.53	96.0	3.4
110.0	22.340	72.21	76.0	6.3
115.0	22.740	72.93	80.0	9.0
120.0	23.070	73.53	66.0	4.0
125.0	23.550	74.39	96.0	6.3
130.0	24.060	75.31	102.0	9.0
135.0	24.450	76.01	78.0	3.4

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

22S/32E-34DD

HOLE NAME: HWY 20

DATE MEASURED: 5/20/80

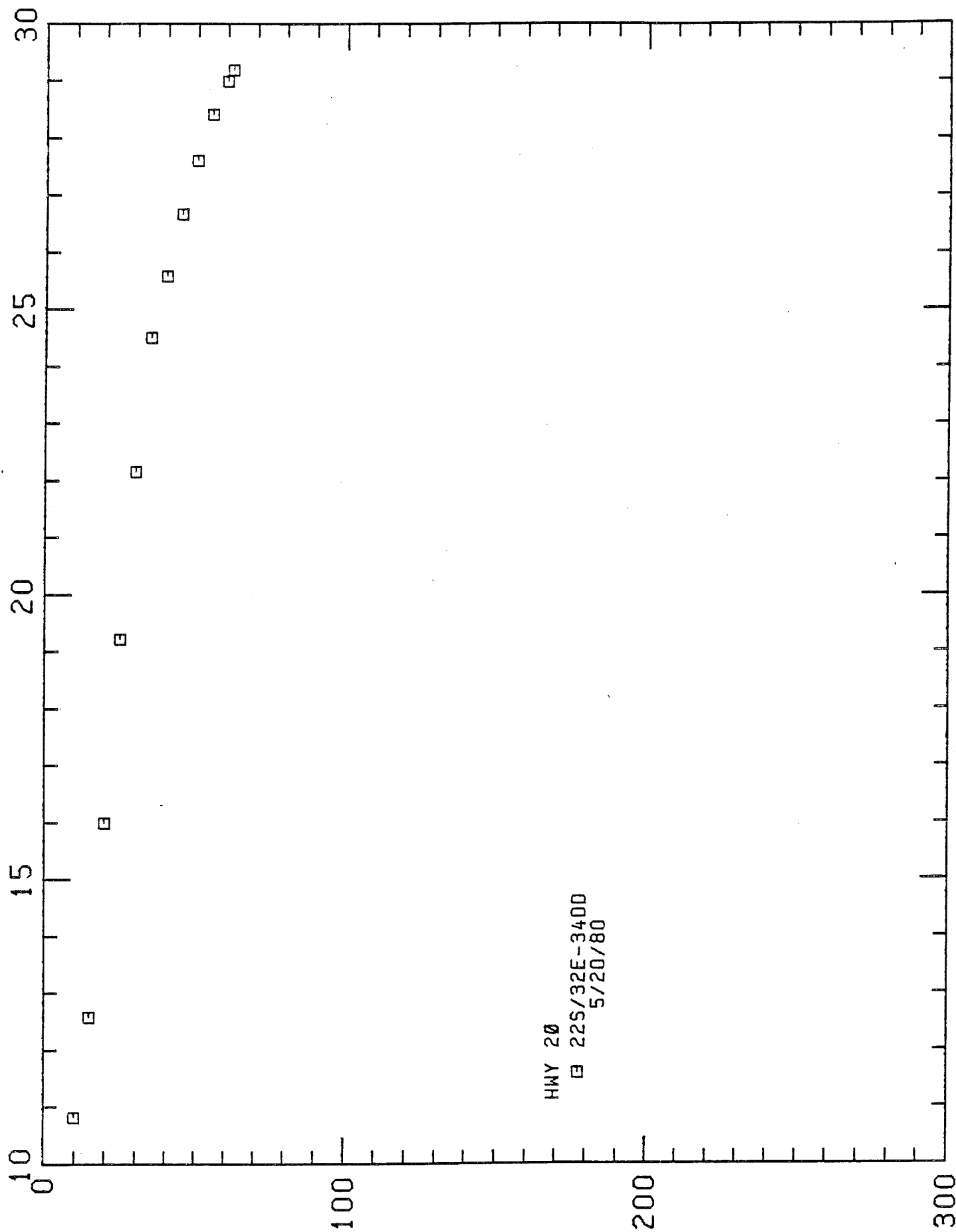
DEPTH TEMPERATURE
FEET DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/M DEG F/100 FT

DEPTH
METERS

10.0	32.8	10.820	51.48	0.0	0.0
15.0	49.2	12.580	54.64	352.0	19.3
20.0	65.6	16.000	60.80	684.0	37.5
25.0	82.0	19.220	66.60	644.0	35.3
30.0	98.4	22.160	71.89	588.0	32.3
35.0	114.8	24.510	76.12	470.0	25.8
40.0	131.2	25.590	78.06	216.0	11.9
45.0	147.6	26.670	80.01	216.0	11.9
50.0	164.0	27.610	81.70	188.0	10.3
55.0	180.4	28.410	83.14	160.0	8.8
60.0	196.8	28.990	84.18	116.0	6.4
62.0	203.4	29.190	84.54	100.0	5.5

TEMPERATURE, DEG C



LOCATION: BURNS RD, OREGON

22S/33E-27D

HOLE NAME: TEPLE

DATE MEASURED: 5/20/00

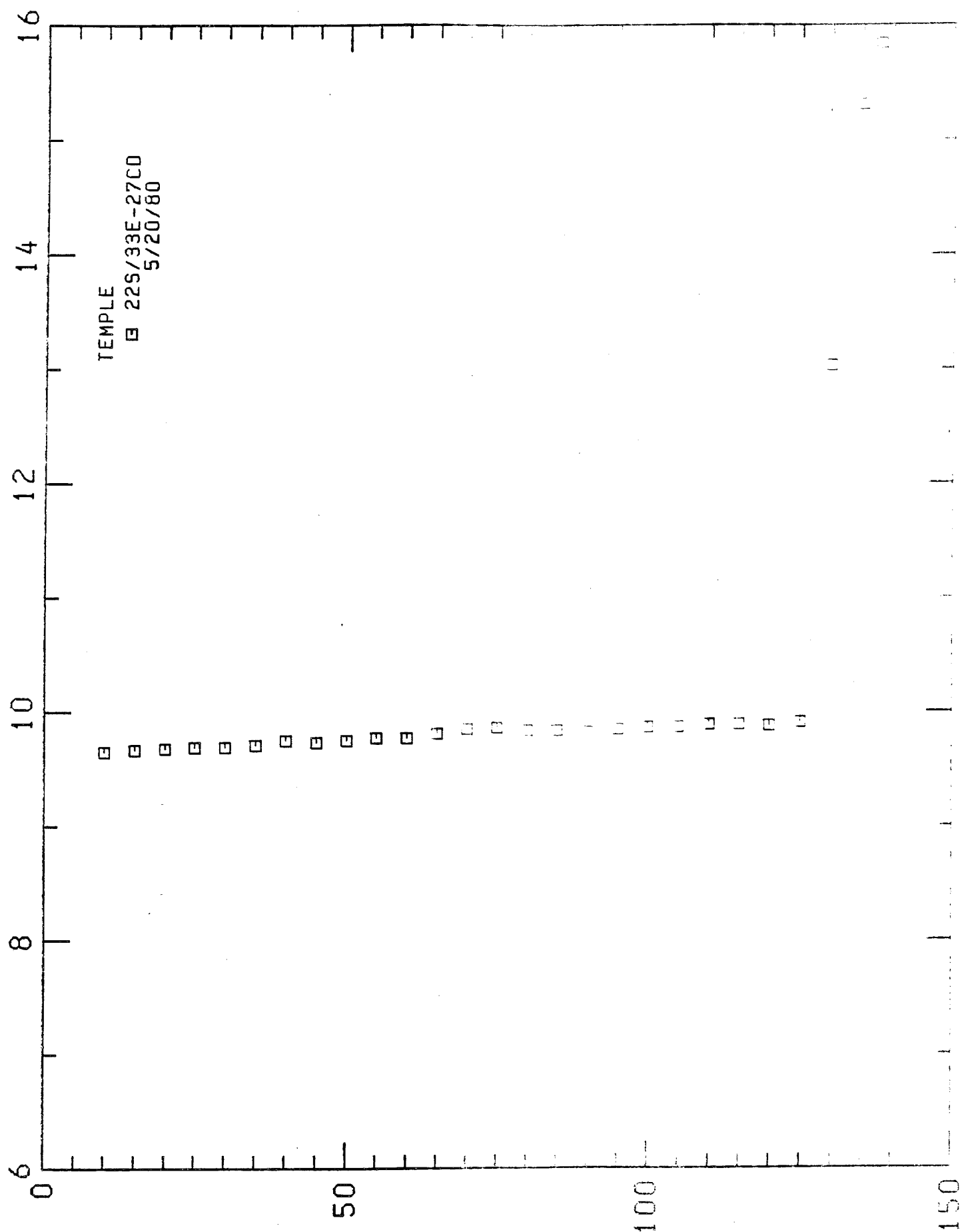
DEPTH TEMPERATURE
FEET DEG C DEG F

CEMENTED GRADIENT
DEG C/CM DEG F/100 FT

DEPTH
METERS

10.0	32.8	9.650	49.37	0.0	0.0
15.0	39.2	9.670	49.41	4.0	0.2
20.0	65.6	9.690	49.42	2.0	0.1
25.0	82.0	9.690	49.44	2.0	0.1
30.0	98.4	9.690	49.44	0.0	0.0
35.0	114.8	9.710	49.48	4.0	0.2
40.0	131.2	9.750	49.55	0.0	0.0
45.0	147.6	9.730	49.51	-4.0	-0.2
50.0	164.0	9.720	49.55	4.0	0.2
55.0	180.4	9.770	49.59	0.0	0.0
60.0	196.8	9.770	49.59	0.0	0.0
65.0	213.2	9.810	49.66	8.0	0.4
70.0	229.6	9.850	49.73	8.0	0.4
75.0	246.0	9.850	49.75	2.0	0.1
80.0	262.4	9.850	49.71	-4.0	-0.2
85.0	278.8	9.840	49.71	0.0	0.0
90.0	295.2	9.830	49.69	-2.0	-0.1
95.0	311.6	9.830	49.73	4.0	0.2
100.0	328.0	9.870	49.77	4.0	0.2
105.0	344.4	9.870	49.77	0.0	0.0
110.0	360.8	9.850	49.80	4.0	0.2
115.0	377.2	9.850	49.80	0.0	0.0
120.0	393.6	9.830	49.78	-2.0	-0.1
125.0	410.0	9.910	49.84	6.0	0.3
130.0	426.4	13.030	55.45	6.0	0.3
135.0	442.8	15.310	59.56	40.0	2.2
138.0	452.6	15.840	60.51	170.7	9.7

TEMPERATURE, DEG C



LOCATION: BOISE AMS, OREGON

22S/46E-12DD

HOLE NAME: GEERTSON

DATE MEASURED: 7/29/80

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH FEET	DEPTH METERS	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
49.2	15.0	15.880	60.58	0.0	0.0
65.6	20.0	16.200	61.16	64.0	3.3
82.0	25.0	16.540	61.77	68.0	3.7
98.4	30.0	16.790	62.22	50.0	3.3
114.8	35.0	17.090	62.76	60.0	3.3
131.2	40.0	18.400	65.12	262.0	14.4
147.6	45.0	18.800	65.84	80.0	4.4
164.0	50.0	19.260	66.67	92.0	5.0
180.4	55.0	19.780	67.60	104.0	5.7
196.8	60.0	20.240	68.43	92.0	5.0
213.2	65.0	20.890	69.60	130.0	7.1
229.6	70.0	21.270	70.29	76.0	4.3
246.0	75.0	21.810	71.26	108.0	6.0
262.4	80.0	22.410	72.34	120.0	6.7
278.8	85.0	22.930	73.27	104.0	5.7
295.2	90.0	23.550	74.40	84.0	4.7
311.6	95.0	23.820	74.88	94.0	5.3
328.0	100.0	24.550	75.83	106.0	6.0
344.4	105.0	24.850	76.73	100.0	5.5
360.8	110.0	25.360	77.65	102.0	5.7
377.2	115.0	25.760	78.37	80.0	4.3
393.6	120.0	26.220	79.20	92.0	5.0
410.0	125.0	26.750	80.15	106.0	6.0
426.4	130.0	27.320	81.18	114.0	6.4
442.8	135.0	27.800	82.04	96.0	5.4
459.2	140.0	28.220	82.80	84.0	4.7
475.6	145.0	28.730	83.71	102.0	5.7
492.0	150.0	29.250	84.65	104.0	6.0
508.4	155.0	29.770	85.59	104.0	6.0
524.8	160.0	30.160	86.29	78.0	4.3
541.2	165.0	30.700	87.26	108.0	6.0
557.6	170.0	31.010	87.82	62.0	3.5
574.0	175.0	31.410	88.54	80.0	4.3
590.4	180.0	31.980	89.56	114.0	6.4
606.8	185.0	32.600	90.68	124.0	7.0
623.2	190.0	33.140	91.65	108.0	6.0
639.6	195.0	33.850	92.93	142.0	8.0
656.0	200.0	34.380	93.88	106.0	6.0
672.4	205.0	35.030	95.05	130.0	7.3
688.8	210.0	35.510	95.92	96.0	5.4
705.2	215.0	36.920	98.46	82.0	4.7

LOCATION: BOISE AMS, OREGON

22S/46E-12DD

HOLE NAME: GEERTSON

DATE MEASURED: 7/29/80

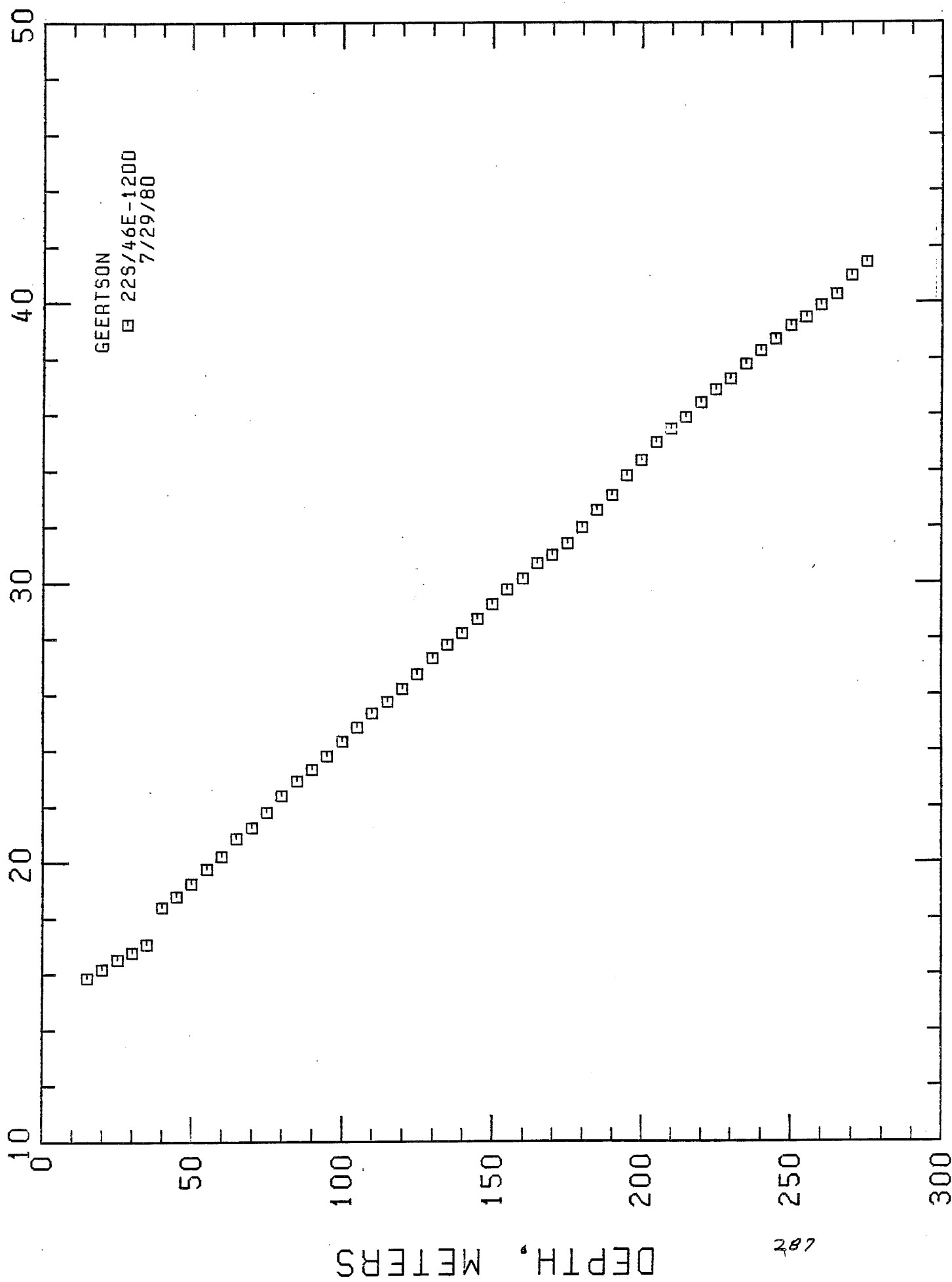
DEPTH TEMPERATURE

FEET DEG C DEG F

DEPTH
METERS

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
220.0	721.6	36.440	97.59	104.0	7
225.0	738.0	36.900	98.42	92.0	5.0
230.0	754.4	37.300	99.14	80.0	5.4
235.0	770.8	37.820	100.08	104.0	5.7
240.0	787.2	38.250	100.92	94.0	5.2
245.0	803.6	38.710	101.68	84.0	4.6
250.0	820.0	39.190	102.54	96.0	5.3
255.0	836.4	39.490	103.08	60.0	3.3
260.0	852.8	39.930	103.87	88.0	4.8
265.0	869.2	40.310	104.56	76.0	4.2
270.0	885.6	40.970	105.75	132.0	7.2
275.0	902.0	41.440	106.59	94.0	5.2

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: ROSEBURG AMS, OREGON
 235/ SE- BDA
 HOLE NAME: PNTD CRK
 DATE MEASURED: 9/ 9/80
 PAGES: 2

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
116.0	380.5	13.390	56.10	155.0	8.5
118.0	387.0	13.520	56.34	85.0	3.2
120.0	393.6	13.610	56.50	45.0	2.4
122.0	400.2	13.770	56.79	80.0	4.4
124.0	406.7	13.890	57.00	60.0	3.3
126.0	413.3	14.000	57.20	55.0	3.0
128.0	419.8	14.110	57.40	45.0	2.5
130.0	426.4	14.200	57.56	55.0	3.0
132.0	433.0	14.350	57.83	75.0	4.1
134.0	439.5	14.450	58.01	50.0	2.7
136.0	446.1	14.640	58.35	95.0	5.2
138.0	452.6	14.790	58.62	75.0	4.1
140.0	459.2	14.910	58.84	60.0	3.3
142.0	465.8	15.150	59.27	120.0	6.6
144.0	472.3	15.310	59.56	80.0	4.4
146.0	478.9	15.490	59.88	90.0	5.0
148.0	485.4	15.650	60.17	80.0	4.4
150.0	492.0	15.790	60.42	70.0	3.9
152.0	498.6	15.900	60.62	55.0	3.0

LOCATION: ROSEBURG AMS, OREGON

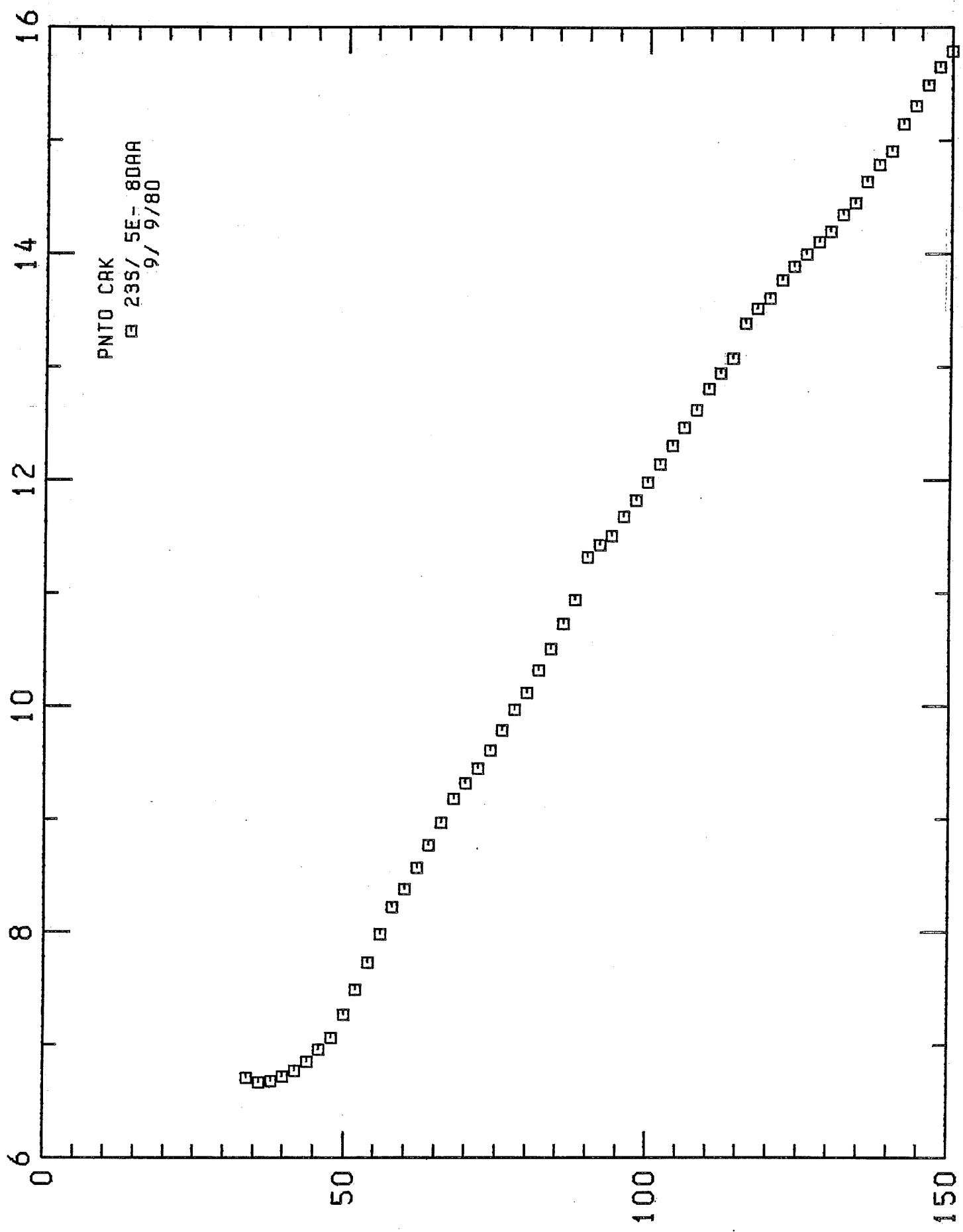
235/ SE- BDAF

HOLE NAME: PNTD CRK

DATE MEASURED: 9/ 9/80

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
34.0	111.5	6.710	44.08	0.0	0.0
36.0	118.1	6.670	44.01	-20.0	-1.1
38.0	124.6	6.680	44.02	5.0	0.3
40.0	131.2	6.720	44.10	20.0	1.1
42.0	137.8	6.770	44.19	25.0	1.4
44.0	144.3	6.850	44.33	40.0	2.2
46.0	150.9	6.960	44.53	55.0	3.0
48.0	157.4	7.050	44.71	50.0	2.7
50.0	164.0	7.270	45.09	105.0	8.0
52.0	170.6	7.490	45.48	110.0	8.6
54.0	177.1	7.730	45.91	120.0	9.5
56.0	183.7	7.980	46.36	125.0	9.9
58.0	190.3	8.220	46.80	120.0	9.4
60.0	196.8	8.380	47.08	80.0	4.2
62.0	203.4	8.570	47.43	95.0	5.2
64.0	209.9	8.770	47.79	100.0	5.5
66.0	216.5	8.970	48.15	100.0	5.5
68.0	223.0	9.180	48.52	105.0	6.0
70.0	229.6	9.320	48.78	70.0	3.4
72.0	236.2	9.450	49.01	65.0	3.4
74.0	242.7	9.610	49.30	80.0	4.2
76.0	249.3	9.750	49.62	90.0	4.9
78.0	255.8	9.970	49.95	90.0	4.9
80.0	262.4	10.120	50.22	75.0	4.1
82.0	269.0	10.320	50.58	100.0	5.5
84.0	275.5	10.510	50.92	95.0	5.0
86.0	282.1	10.730	51.31	110.0	6.5
88.0	288.6	10.940	51.69	150.0	10.4
90.0	295.2	11.320	52.38	100.0	5.5
92.0	301.8	11.430	52.57	55.0	3.0
94.0	308.3	11.510	52.72	40.0	2.7
96.0	314.9	11.680	53.02	65.0	4.2
98.0	321.4	11.820	53.28	70.0	4.4
100.0	328.0	11.980	53.56	80.0	4.4
102.0	334.6	12.140	53.85	80.0	4.4
104.0	341.1	12.310	54.16	85.0	4.7
106.0	347.7	12.470	54.45	80.0	4.4
108.0	354.3	12.620	54.72	75.0	4.1
110.0	360.9	12.810	55.06	70.0	3.9
112.0	367.4	12.950	55.31	65.0	3.6
114.0	373.9	13.080	55.54		

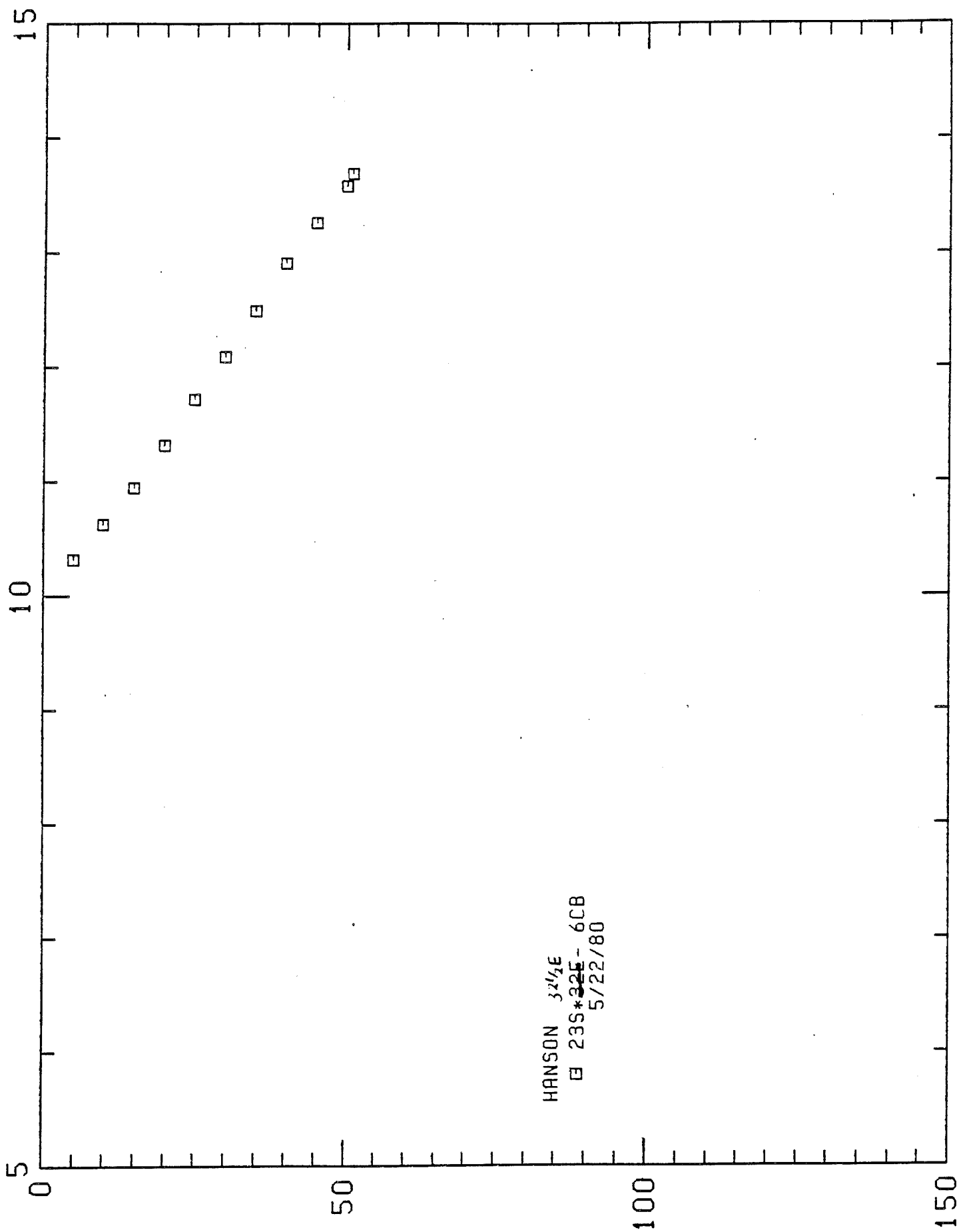
TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON 32 1/2 E
 235X325-6CB
 HOLE NAME: HANSON
 DATE MEASURED: 5/22/80
 DEPTH METERS 5.0
 10.0
 15.0
 20.0
 25.0
 30.0
 35.0
 40.0
 45.0
 50.0
 51.0
 DEPTH FEET 16.4
 32.8
 49.2
 65.6
 82.0
 98.4
 114.8
 131.2
 147.6
 164.0
 167.3
 TEMPERATURE DEG C 10.320
 10.630
 10.950
 11.320
 11.720
 12.090
 12.490
 12.910
 13.260
 13.580
 13.690
 TEMPERATURE DEG F 50.58
 51.13
 51.71
 52.38
 53.10
 53.76
 54.48
 55.24
 55.87
 56.44
 56.64
 GEOTHERMAL GRADIENT DEG C/KM 0.0
 62.0
 64.0
 74.0
 80.0
 74.0
 80.0
 84.0
 70.0
 64.0
 110.0
 GEOTHERMAL GRADIENT DEG F/100 FT 0.0
 3.4
 3.5
 4.1
 4.4
 4.1
 4.4
 4.6
 3.8
 3.5
 6.0

TEMPERATURE, DEG C



HANSON 32 1/2 E
23S*22E-6CB
5/22/80

LOCATION: ROSEBURG AMS, OREGON

HOLE NAME: 24S/ SE-18CAC
DATE MEASURED: 9/ 9/80

TRUG CRK

TEMPERATURE
DEG C DEG F

DEPTH
FEET

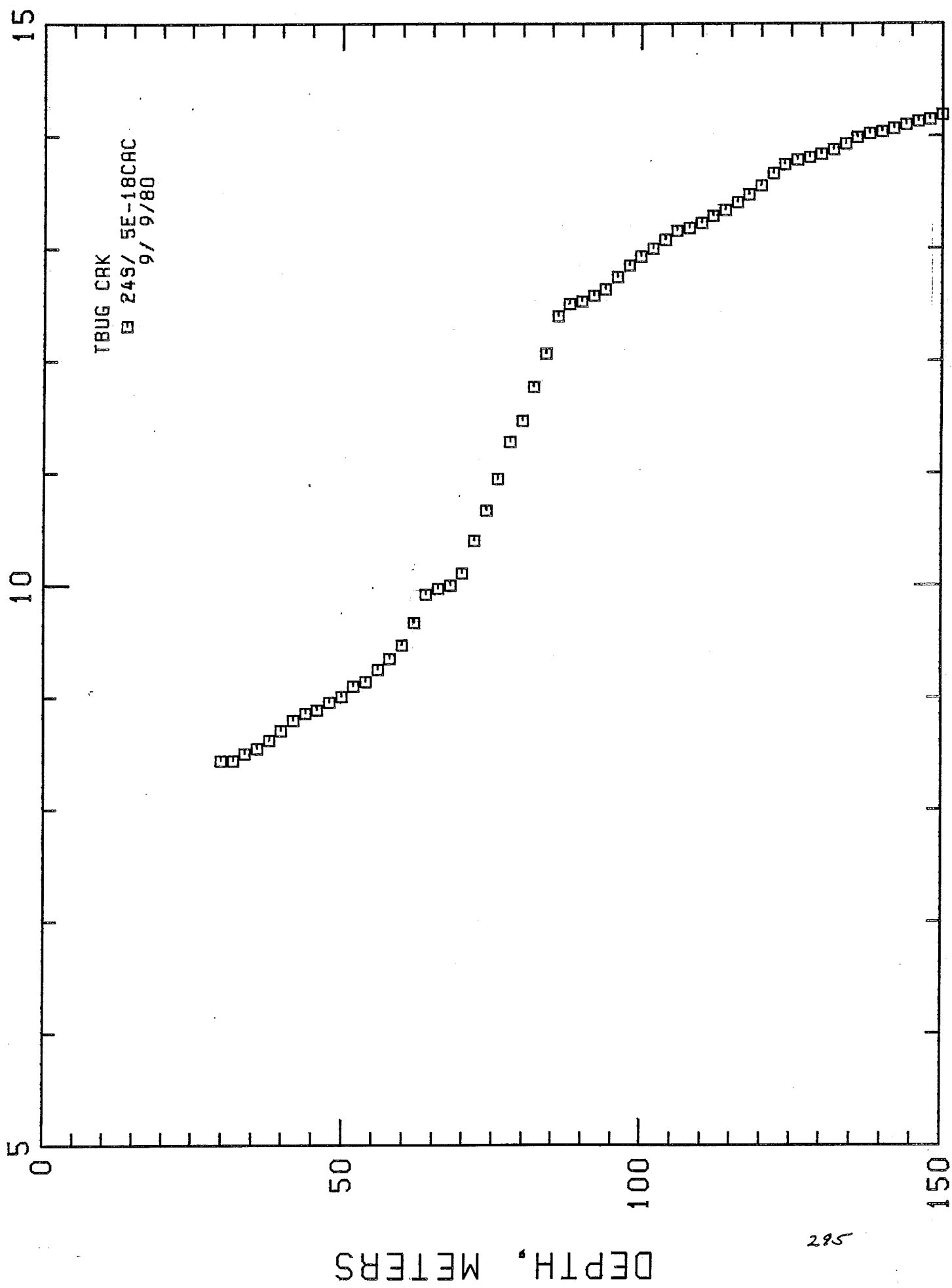
DEPTH
METERS

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	8.440	47.19	0.0	0.0
32.0	105.0	8.440	47.19	0.0	0.0
34.0	111.5	8.500	47.30	30.0	1.6
36.0	118.1	8.550	47.39	35.0	1.4
38.0	124.6	8.620	47.52	35.0	1.9
40.0	131.2	8.710	47.68	45.0	2.5
42.0	137.8	8.800	47.84	45.0	2.5
44.0	144.3	8.860	47.95	30.0	1.6
46.0	150.9	8.890	48.00	15.0	0.8
48.0	157.4	8.960	48.13	35.0	1.9
50.0	164.0	9.010	48.22	35.0	1.4
52.0	170.6	9.100	48.38	45.0	2.5
54.0	177.1	9.140	48.45	20.0	1.1
56.0	183.7	9.250	48.65	55.0	3.1
58.0	190.2	9.350	48.83	50.0	2.7
60.0	196.8	9.470	49.05	60.0	3.3
62.0	203.4	9.670	49.41	100.0	5.4
64.0	209.9	9.920	49.86	125.0	6.9
66.0	216.5	9.970	49.95	25.0	1.4
68.0	223.0	10.000	50.00	15.0	0.8
70.0	229.6	10.110	50.20	55.0	3.1
72.0	236.2	10.400	50.72	145.0	8.0
74.0	242.7	10.670	51.21	135.0	7.4
76.0	249.3	10.950	51.71	140.0	7.7
78.0	255.8	11.280	52.30	165.0	9.4
80.0	262.4	11.470	52.65	95.0	5.2
82.0	269.0	11.770	53.19	150.0	8.2
84.0	275.5	12.070	53.73	150.0	8.2
86.0	282.1	12.400	54.32	165.0	9.1
88.0	288.6	12.510	54.55	55.0	3.1
90.0	295.2	12.530	54.55	10.0	0.5
92.0	301.8	12.580	54.64	25.0	1.4
94.0	308.3	12.640	54.75	30.0	1.6
96.0	314.9	12.750	54.95	55.0	3.1
98.0	321.4	12.850	55.13	50.0	2.7
100.0	328.0	12.930	55.27	40.0	2.2
102.0	334.6	13.000	55.40	35.0	1.9
104.0	341.1	13.080	55.54	40.0	2.2
106.0	347.7	13.160	55.69	40.0	2.2
108.0	354.2	13.180	55.72	10.0	0.5
110.0	360.8	13.230	55.81	25.0	1.4

LOCATION: ROSEBURG AMS, OREGON
 24S/ SE-18CAC
 HOLE NAME: TBUG CRK
 DATE MEASURED: 9/ 9/80
 TEMPERATURE
 DEPTH METERS
 DEPTH FEET
 TEMP C
 TEMP F
 GEOTHERMAL GRADIENT
 DEG C/KM
 DEG F/100 FT

112.0	367.4	13.290	55.92	30.0	1.6
114.0	373.9	13.340	56.01	25.0	1.4
116.0	380.5	13.410	56.14	35.0	1.9
118.0	387.0	13.480	56.26	35.0	1.9
120.0	393.6	13.560	56.41	40.0	2.2
122.0	400.2	13.670	56.61	55.0	2.2
124.0	406.7	13.750	56.75	40.0	2.2
126.0	413.3	13.790	56.82	20.0	1.1
128.0	419.8	13.810	56.86	10.0	0.8
130.0	426.4	13.840	56.91	15.0	0.8
132.0	433.0	13.880	56.98	20.0	1.1
134.0	439.5	13.930	57.07	25.0	1.4
136.0	446.1	13.990	57.18	30.0	1.6
138.0	452.6	14.020	57.24	15.0	0.8
140.0	459.2	14.040	57.27	10.0	0.5
142.0	465.8	14.070	57.33	15.0	0.8
144.0	472.3	14.100	57.38	15.0	0.8
146.0	478.9	14.130	57.43	15.0	0.5
148.0	485.4	14.150	57.47	10.0	0.5
150.0	492.0	14.190	57.54	20.0	1.1
152.0	498.6	14.180	57.52	-5.0	-0.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

24S/32E- 1AD

HOLE NAME: NINEMILE

DATE MEASURED: 5/16/80

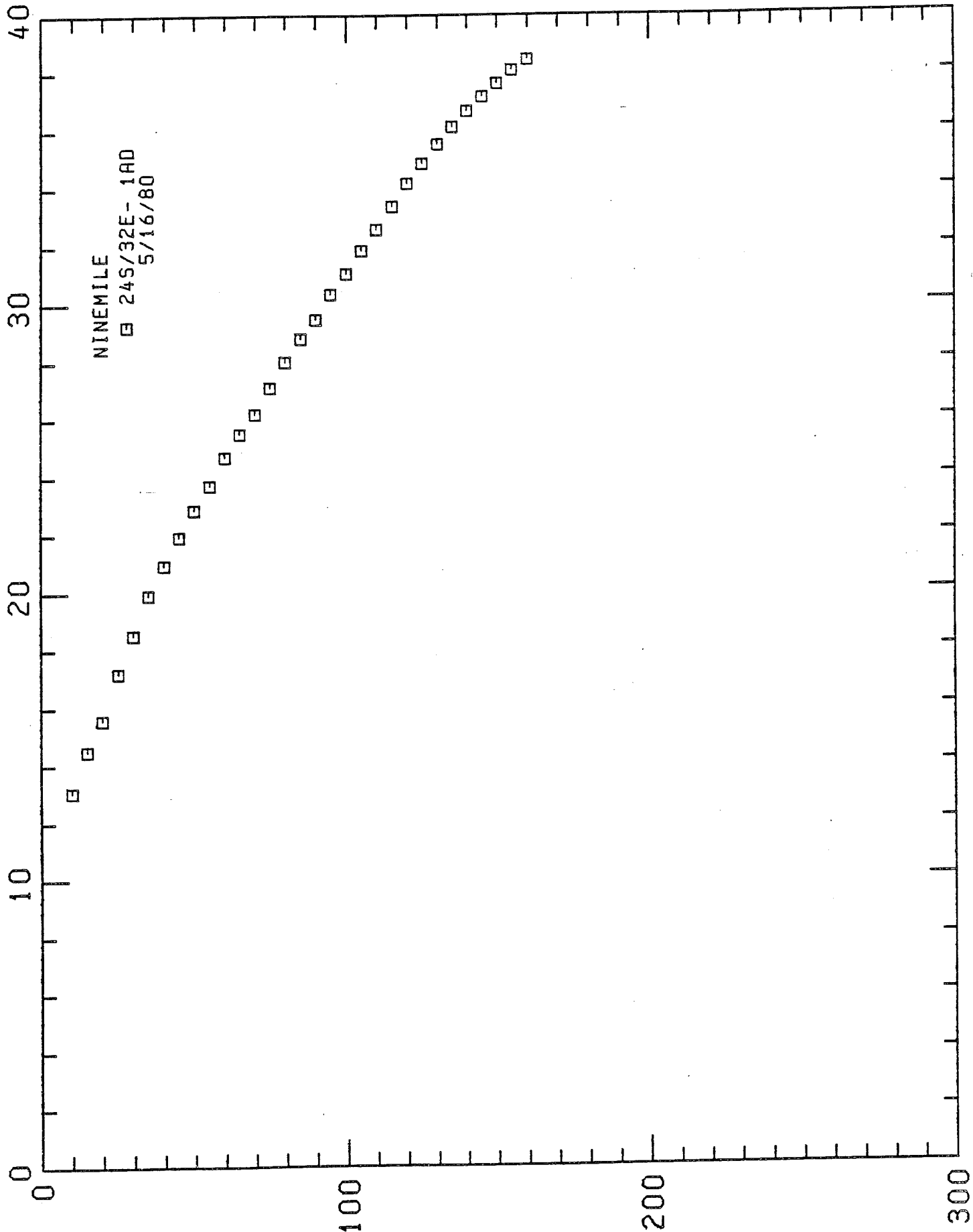
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	13.080	55.54	0.0	0.0
15.0	49.2	14.510	58.12	286.0	15.7
20.0	65.6	15.590	60.06	216.0	11.9
25.0	82.0	17.200	62.96	322.0	17.7
30.0	98.4	18.530	65.35	266.0	14.6
35.0	114.8	19.920	67.86	278.0	15.3
40.0	131.2	20.970	69.75	210.0	11.5
45.0	147.6	21.940	71.49	194.0	10.6
50.0	164.0	22.880	73.18	188.0	10.3
55.0	180.4	23.730	74.71	170.0	9.3
60.0	196.8	24.710	76.48	196.0	10.8
65.0	213.2	25.500	77.90	158.0	8.7
70.0	229.6	26.190	79.14	138.0	7.6
75.0	246.0	27.110	80.80	184.0	10.1
80.0	262.4	27.990	82.38	176.0	9.7
85.0	278.8	28.790	83.82	160.0	8.8
90.0	295.2	29.470	85.05	136.0	7.5
95.0	311.6	30.320	86.58	170.0	9.3
100.0	328.0	31.040	87.87	144.0	7.9
105.0	344.4	31.850	89.33	162.0	8.9
110.0	360.8	32.550	90.61	142.0	7.8
115.0	377.2	33.360	92.05	160.0	8.8
120.0	393.6	34.180	93.52	164.0	9.0
125.0	410.0	34.860	94.75	136.0	7.5
130.0	426.4	35.510	95.92	130.0	7.1
135.0	442.8	36.120	97.02	122.0	6.7
140.0	459.2	36.660	97.99	108.0	5.9
145.0	475.6	37.170	98.91	102.0	5.6
150.0	492.0	37.620	99.72	90.0	4.9
155.0	508.4	38.080	100.54	92.0	5.0
160.0	524.8	38.450	101.21	74.0	4.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

HOLE NAME: 24S/32E- BDA

DATE MEASURED: 5/15/80

MEASURED BY: STEVENS

DEPTH TEMPERATURE

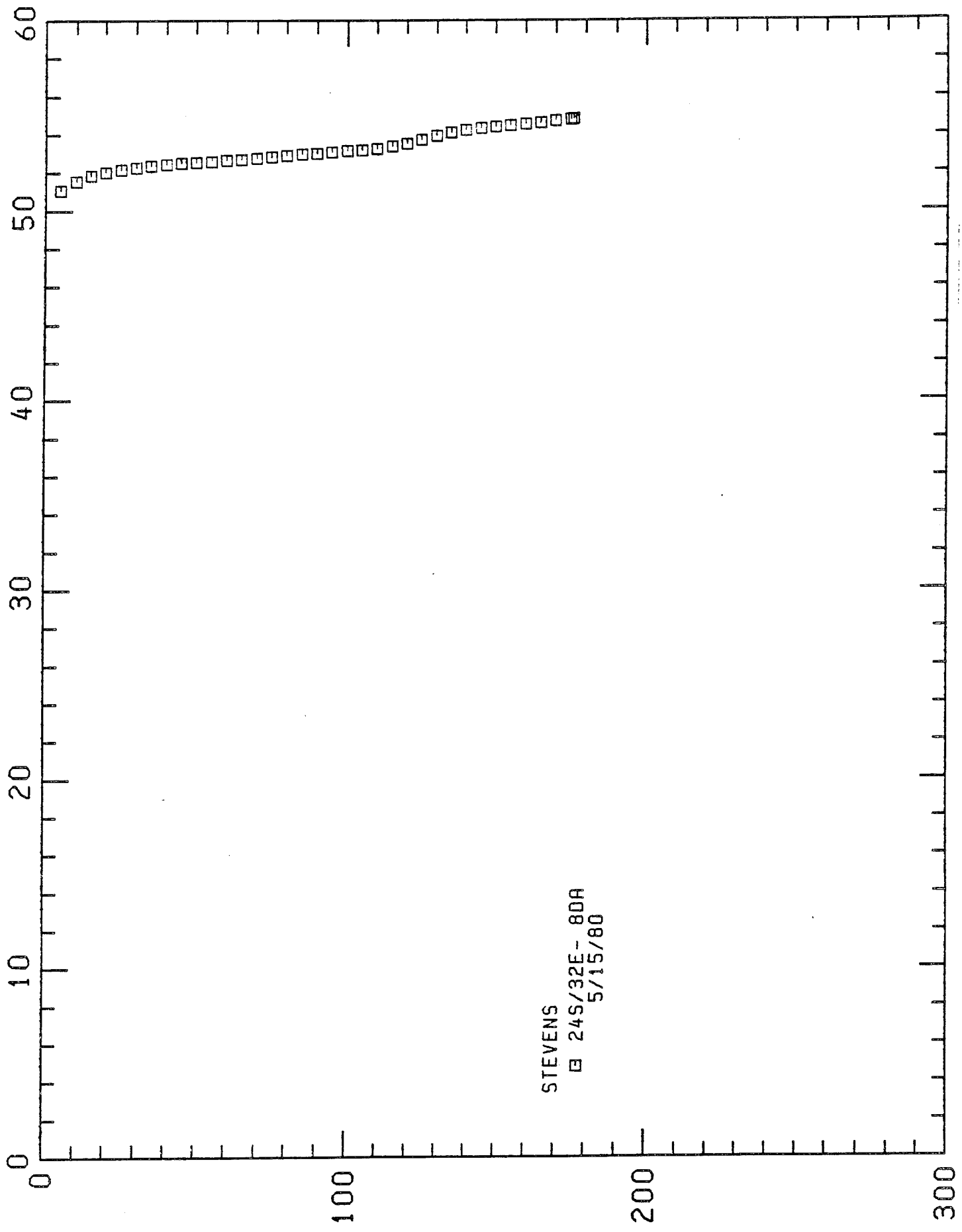
FEET

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	51.080	123.94	0.0	0.5
10.0	32.8	51.580	124.84	0.0	5.5
15.0	49.2	51.880	125.38	60.0	5.5
20.0	65.6	52.050	125.69	34.0	5.9
25.0	82.0	52.180	125.92	26.0	1.4
30.0	98.4	52.300	126.14	24.0	1.3
35.0	114.8	52.390	126.30	18.0	1.0
40.0	131.2	52.470	126.45	16.0	0.9
45.0	147.6	52.530	126.55	12.0	0.7
50.0	164.0	52.560	126.61	6.0	0.3
55.0	180.4	52.610	126.70	10.0	0.5
60.0	196.8	52.660	126.79	10.0	0.5
65.0	213.2	52.700	126.86	8.0	0.4
70.0	229.6	52.770	126.99	14.0	0.8
75.0	246.0	52.830	127.09	12.0	0.7
80.0	262.4	52.890	127.20	12.0	0.7
85.0	278.8	52.960	127.33	14.0	0.8
90.0	295.2	53.010	127.42	10.0	0.5
95.0	311.6	53.080	127.54	14.0	0.8
100.0	328.0	53.150	127.67	14.0	0.8
105.0	344.4	53.190	127.74	8.0	0.4
110.0	360.8	53.260	127.87	14.0	0.8
115.0	377.2	53.380	128.08	24.0	1.3
120.0	393.6	53.520	128.34	28.0	1.5
125.0	410.0	53.730	128.71	42.0	2.3
130.0	426.4	53.940	129.09	42.0	2.3
135.0	442.8	54.110	129.40	34.0	1.9
140.0	459.2	54.230	129.61	24.0	1.3
145.0	475.6	54.330	129.79	20.0	1.1
150.0	492.0	54.410	129.94	16.0	0.9
155.0	508.4	54.480	130.06	14.0	0.8
160.0	524.8	54.560	130.21	16.0	0.9
165.0	541.2	54.630	130.33	14.0	0.8
170.0	557.6	54.720	130.50	18.0	1.0
175.0	574.0	54.800	130.64	16.0	0.9
176.0	577.3	54.820	130.68	20.0	1.1

TEMPERATURE, DEG C



STEVENS
□ 24S/32E-80A
5/15/80

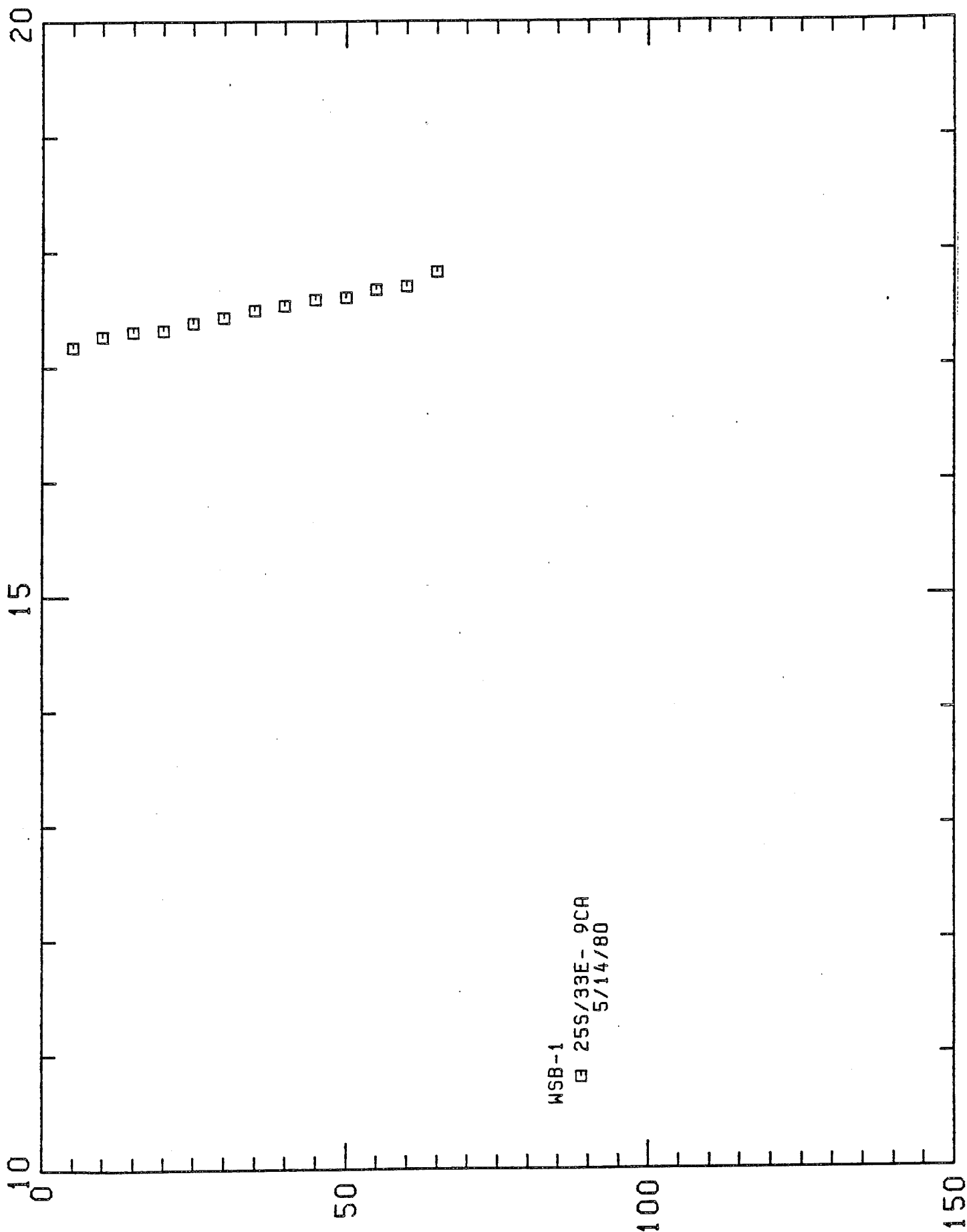
LOCATION: BURNS AMS, OREGON

HOLE NAME: WSB-1

DATE MEASURED: 5/14/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	16.4	17.180	62.92	0.0	0.0
10.0	32.8	17.270	63.09	18.0	1.0
15.0	49.2	17.310	63.16	8.0	0.4
20.0	65.6	17.320	63.18	2.0	0.1
25.0	82.0	17.380	63.28	12.0	0.7
30.0	98.4	17.430	63.37	10.0	0.5
35.0	114.8	17.490	63.48	12.0	0.7
40.0	131.2	17.530	63.55	8.0	0.4
45.0	147.6	17.580	63.64	10.0	0.5
50.0	164.0	17.600	63.68	4.0	0.2
55.0	180.4	17.670	63.81	14.0	0.8
60.0	196.8	17.700	63.86	6.0	0.3
65.0	213.2	17.820	64.08	24.0	1.3

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

HOLE NAME: 25S/33E-9CC

DATE MEASURED: 5/14/80

ARFORD 2

TEMPERATURE

DEG C

GEOTHERMAL GRADIENT

DEG C/KM

DEG F/100 FT

DEPTH
METERS

DEPTH
FEET

5.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
60.0
61.0

16.4
49.2
65.6
82.0
98.4
114.8
131.2
147.6
164.0
180.4
196.8
200.1

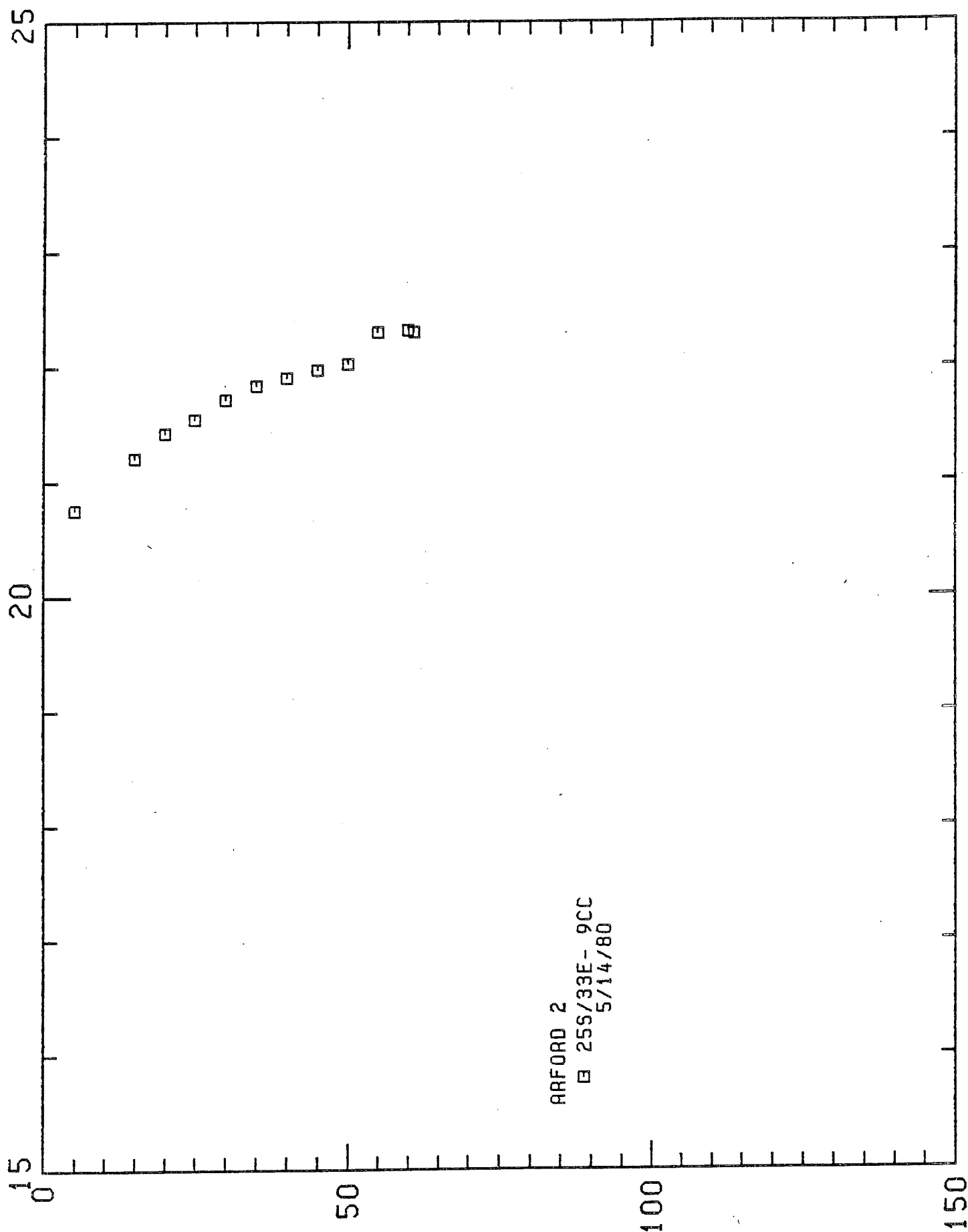
20.760
21.210
21.430
21.550
21.720
21.840
21.910
21.980
22.030
22.300
22.320
22.300

69.37
70.18
70.57
70.79
71.10
71.31
71.44
71.56
71.65
72.14
72.18
72.14

0.0
45.0
44.0
24.0
34.0
24.0
14.0
14.0
10.0
54.0
4.0
-20.0

0.0
2.5
2.4
1.3
1.3
0.8
0.5
3.0
0.2
-1.1

TEMPERATURE, DEG C



CHILL, MILES

LOCATION: BURNS AMS, OREGON

HOLE NAME: ARFORD 3

DATE MEASURED: 5/14/80

TEMPERATURE

DEG C

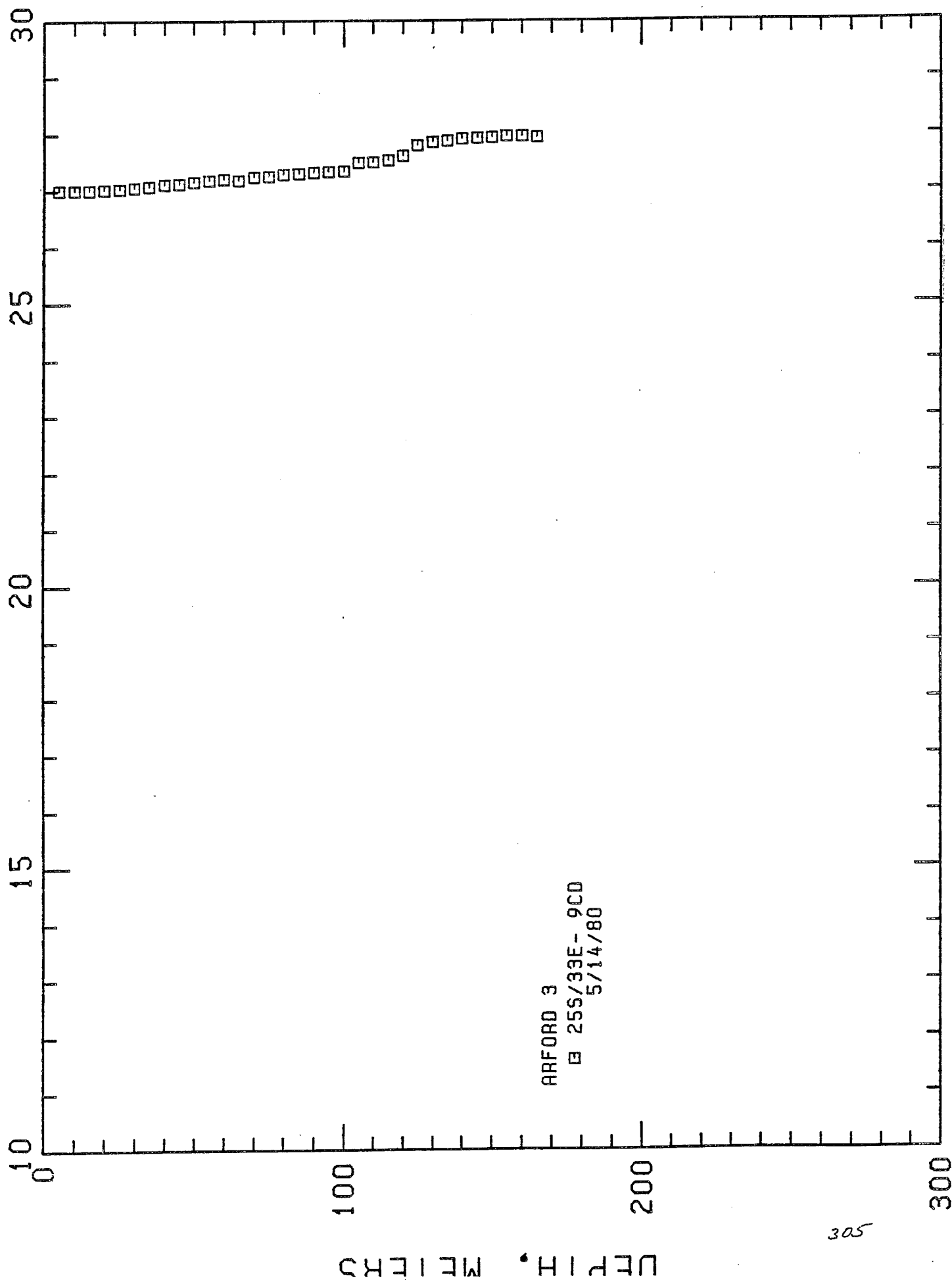
DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH
METERS

5.0	27.020	80.64	0.00	0.00
10.0	27.020	80.64	0.00	0.00
15.0	27.020	80.64	0.00	0.00
20.0	27.030	80.65	0.01	0.01
25.0	27.040	80.67	0.02	0.02
30.0	27.060	80.71	0.03	0.03
35.0	27.090	80.76	0.03	0.03
40.0	27.120	80.82	0.03	0.03
45.0	27.130	80.83	0.03	0.03
50.0	27.160	80.89	0.03	0.03
55.0	27.190	80.94	0.02	0.02
60.0	27.210	80.98	0.02	0.02
65.0	27.190	80.94	0.02	0.02
70.0	27.250	81.05	0.01	0.01
75.0	27.290	81.12	0.01	0.01
80.0	27.300	81.14	0.01	0.01
85.0	27.330	81.19	0.01	0.01
90.0	27.340	81.21	0.01	0.01
95.0	27.350	81.23	0.01	0.01
100.0	27.500	81.50	0.16	0.16
105.0	27.510	81.52	0.13	0.13
110.0	27.540	81.57	0.09	0.09
115.0	27.620	81.72	0.05	0.05
120.0	27.800	82.04	0.20	0.20
125.0	27.850	82.15	0.07	0.07
130.0	27.890	82.20	0.03	0.03
135.0	27.920	82.26	0.03	0.03
140.0	27.930	82.27	0.03	0.03
145.0	27.940	82.29	0.03	0.03
150.0	27.970	82.35	0.03	0.03
155.0	27.960	82.33	0.03	0.03
160.0	27.940	82.29	0.03	0.03
165.0	27.940	82.29	0.03	0.03

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

25S/33E-10BA

HOLE NAME: ADAMS

DATE MEASURED: 5/14/80

DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

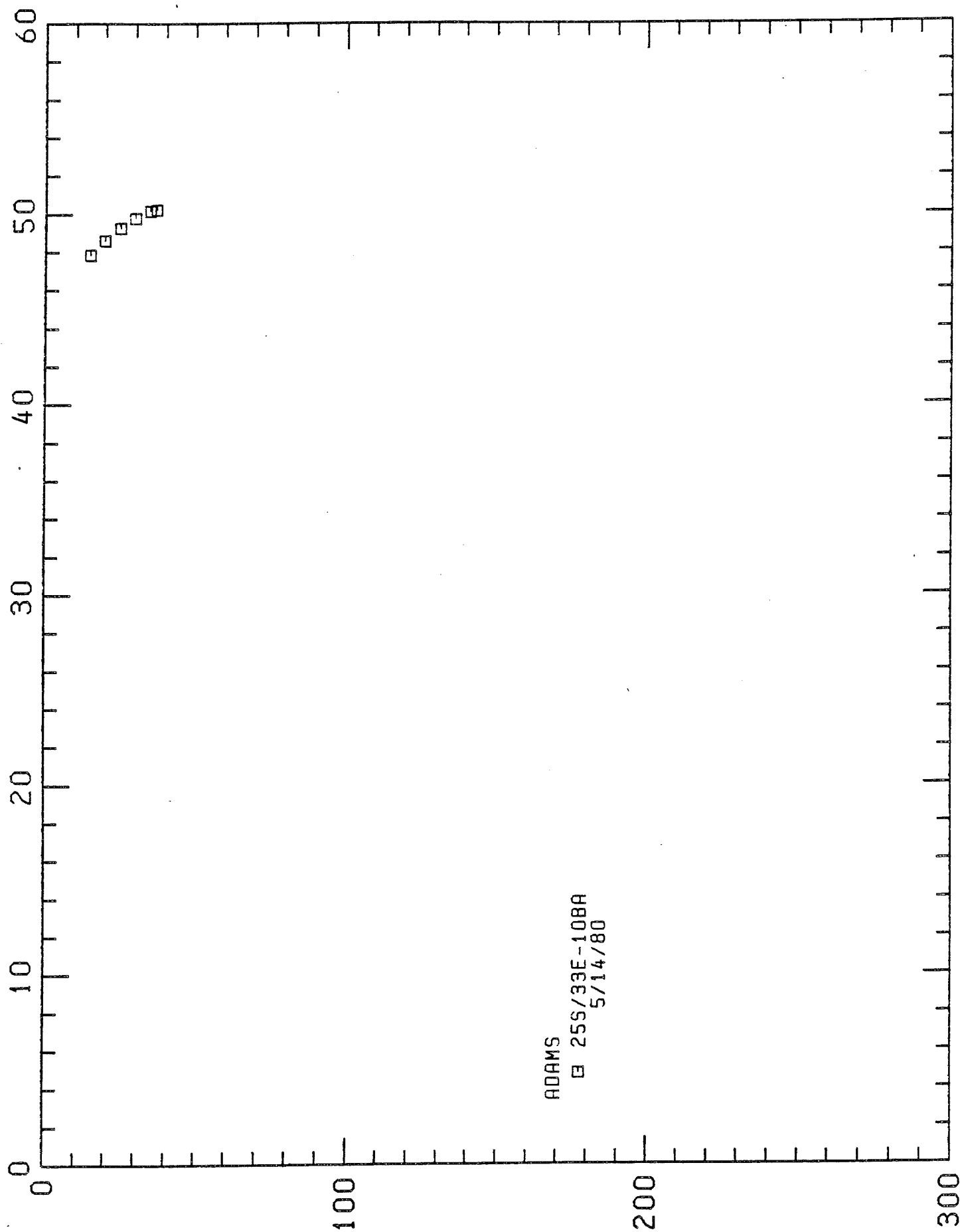
TEMPERATURE
DEG C DEG F

0.0 0.0
152.0 8.3
128.0 7.0
106.0 5.8
76.0 4.2
25.0 1.4

49.2 118.15
65.6 119.52
82.0 120.57
98.4 121.62
114.8 122.31
121.4 122.40

15.0
20.0
25.0
30.0
35.0
37.0

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON			
HOLE NAME: 255/33E-10CA			
DATE MEASURED: 5/14/80			
DEPTH	TEMPERATURE	GEOTHERMAL GRADIENT	
METERS	DEG C	DEG C/KM	DEG F/100 FT
15.0	12.620	0.0	0.0
20.0	12.660	8.0	0.4
21.0	12.830	170.0	9.3

TEMPERATURE, DEG C

15

10

5
0

DEPTH, METERS

50

100

150

□

□ □

WSB-2

□ 25S/33E-10CA
5/14/80

603

LOCATION: BURNS AMS, OREGON
255/33E-10CD

HOLE NAME: USB-3

DATE MEASURED: 5/14/80

TEMPERATURE

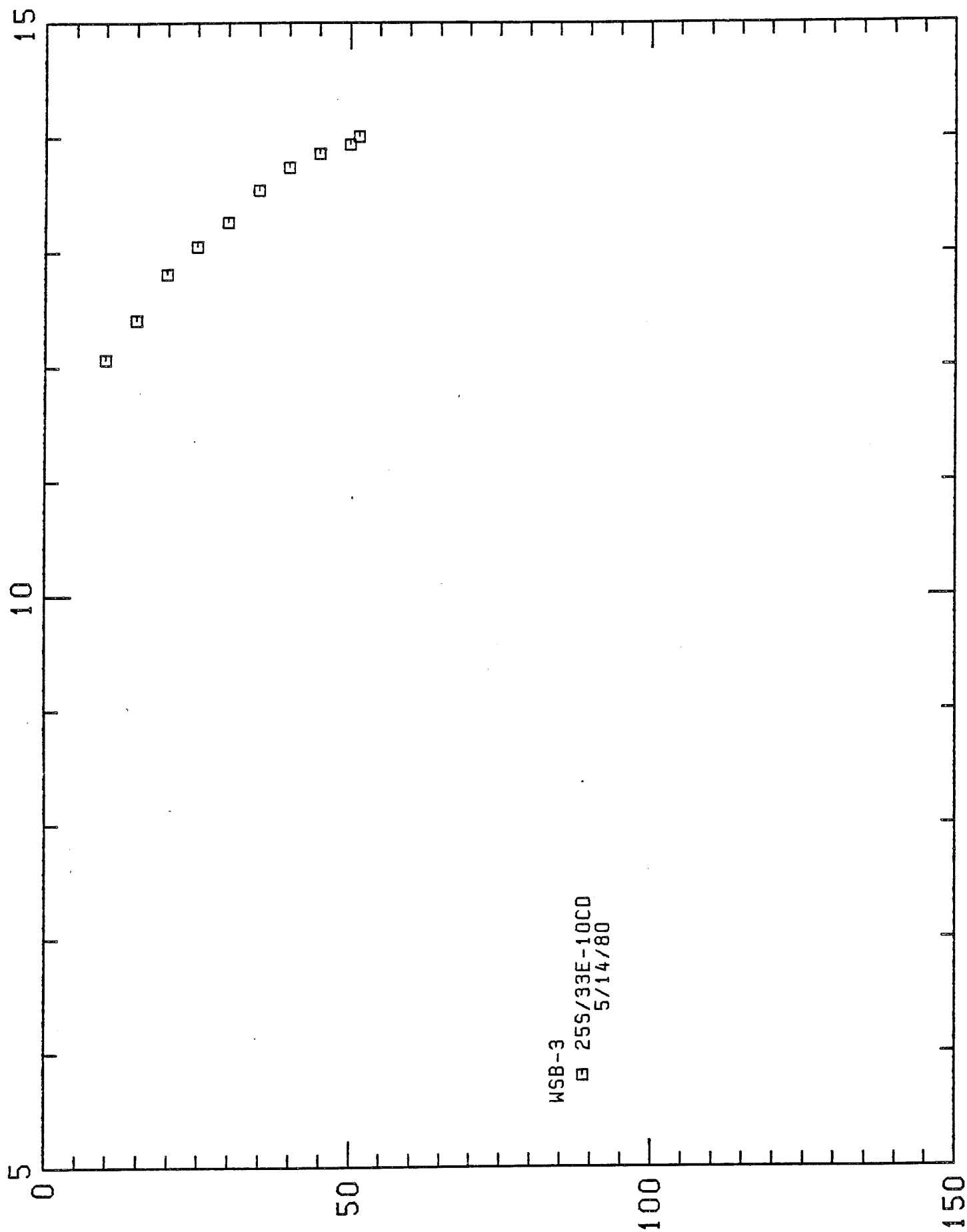
DEPT. C DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH
METERS.

10.0	32.8	12.070	53.73	0.0	0.0
15.0	49.2	12.410	54.34	68.0	3.7
20.0	65.6	12.810	55.05	80.0	4.4
25.0	82.0	13.050	55.49	48.0	2.6
30.0	98.4	13.260	55.87	42.0	2.3
35.0	114.8	13.540	56.37	56.0	3.1
40.0	131.2	13.740	56.73	40.0	2.2
45.0	147.6	13.860	56.95	24.0	1.3
50.0	164.0	13.940	57.09	16.0	0.9
51.5	168.9	14.010	57.22	46.7	2.6

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

255/33E-11CD

HOLE NAME: WSB-4

DATE MEASURED: 5/ 8/80

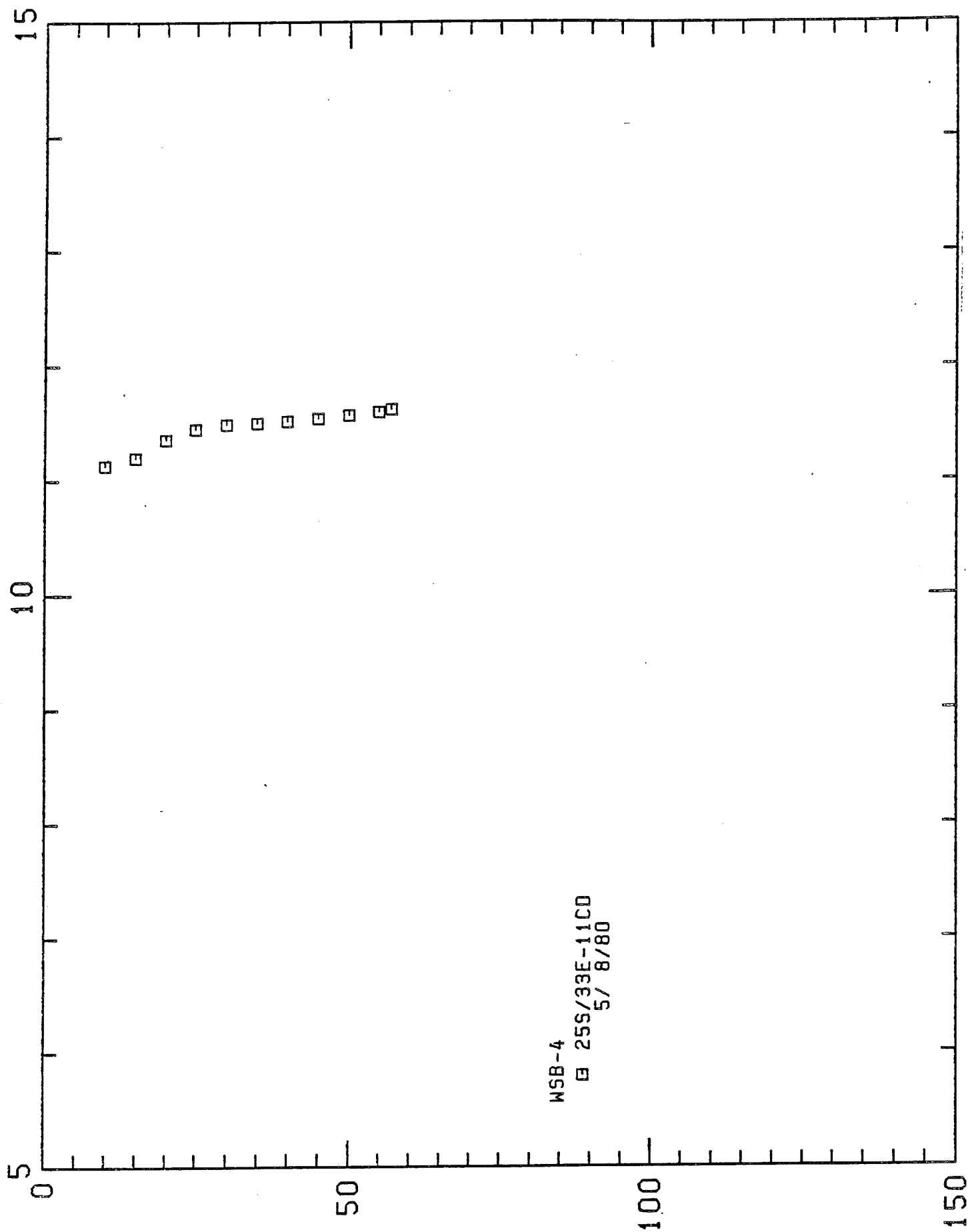
TEMPERATURE
DEG C DEG F

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

DEPTH
METERS

DEPTH METERS	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0	55.0	57.0
DEPTH FEET	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	180.4	187.0
TEMPERATURE DEG C	11.130	11.200	11.360	11.450	11.490	11.500	11.520	11.540	11.570	11.600	11.620
TEMPERATURE DEG F	52.03	52.16	52.45	52.61	52.68	52.70	52.74	52.77	52.83	52.88	52.92
GEOTHERMAL GRADIENT DEG C/KM	0.0	14.0	32.0	18.0	8.0	2.0	4.0	6.0	6.0	10.0	
GEOTHERMAL GRADIENT DEG F/100 FT	0.0	0.8	1.8	1.0	0.4	0.1	0.2	0.3	0.3	0.5	

TEMPERATURE, DEG C



DEPTH, METERS

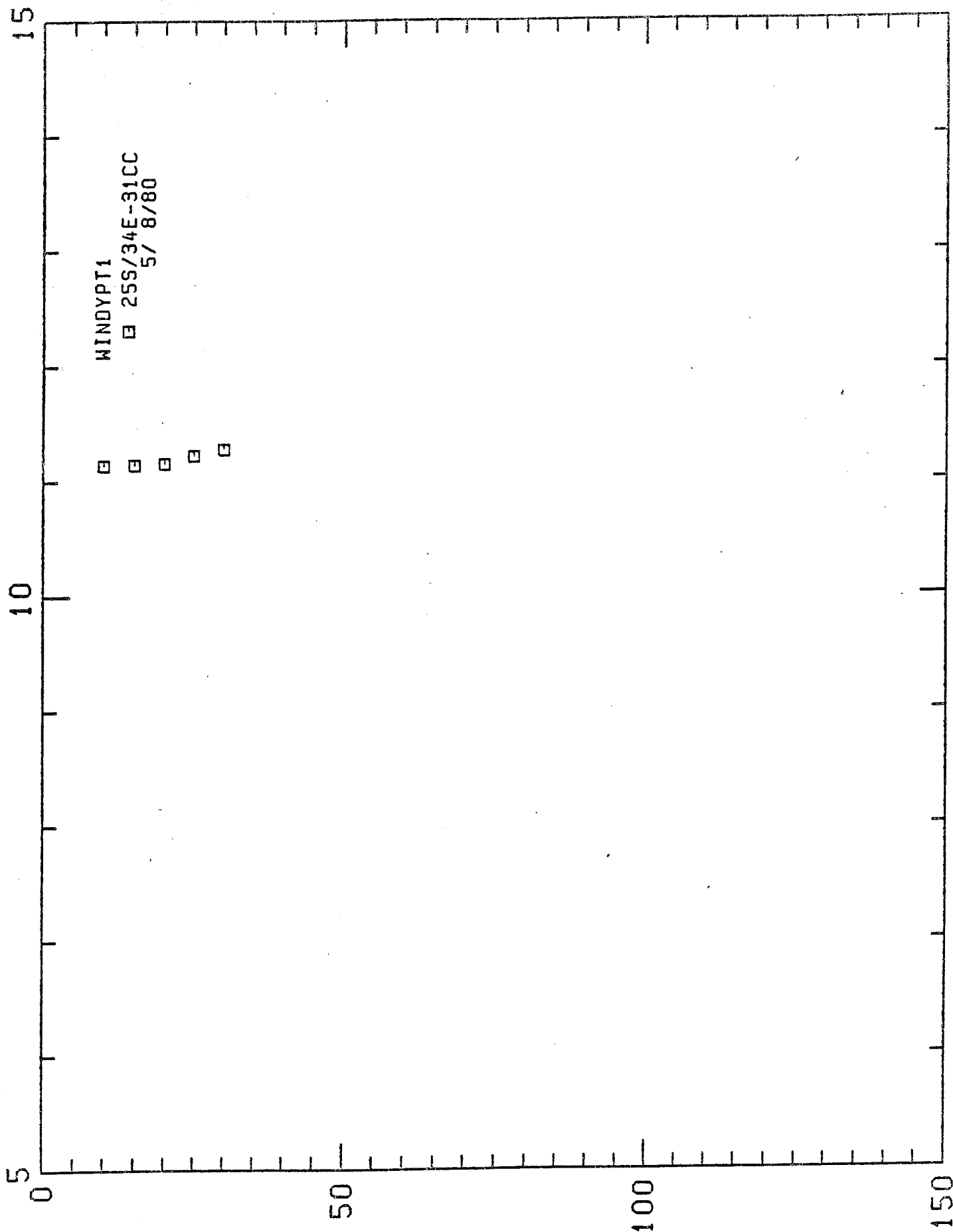
LOCATION: BURNS AVE, OREGON
255/34E-31CC

HOLE NAME: WINDYPT1

DATE MEASURED: 5/ 8/80

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	11.140	52.05	0.0	0.0
15.0	49.2	11.150	52.07	0.1	0.1
20.0	65.6	11.160	52.09	0.1	0.1
25.0	82.0	11.230	52.21	14.0	0.0
30.0	98.4	11.260	52.30	10.0	0.5

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

255/33E-16AB

HOLE NAME: ARFORD 1

DATE MEASURED: 5/14/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C

TEMPERATURE
DEG F

GEOTHERMAL GRADIENT
DEG C/KM

GEOTHERMAL GRADIENT
DEG F/100 FT

5.0
10.0
15.0
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
85.0
90.0
95.0
100.0
105.0
107.5

16.4
32.8
49.2
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
278.8
295.2
311.6
328.0
344.4
352.6

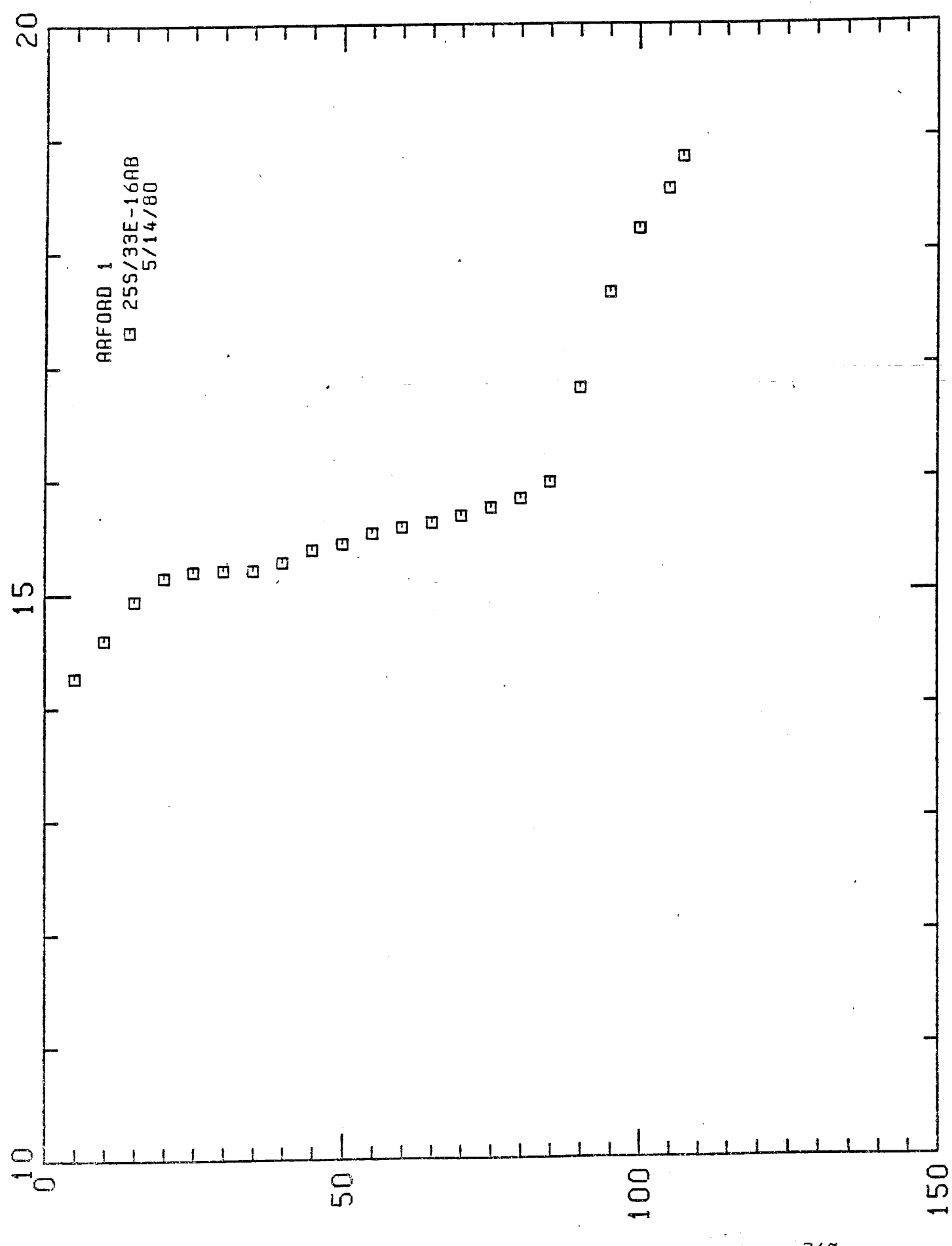
14.270
14.600
14.940
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15.200
15.210
15.210
15.280
15.390
15.440
15.530
15.580
15.620
15.680
15.750
15.830
15.970
16.000
17.640
18.200
18.550
18.830

57.69
58.28
58.69
59.27
59.36
59.38
59.38
59.50
59.70
59.79
59.95
60.04
60.12
60.22
60.35
60.49
60.75
62.24
63.75
64.76
65.39
65.89

0.0
66.0
68.0
42.0
10.0
2.0
0.0
14.0
22.0
10.0
18.0
10.0
8.0
12.0
14.0
16.0
28.0
168.0
112.0
70.0
112.0

0.0
0.0
0.0
0.0
0.0
0.0
0.0
1.2
1.0
1.0
0.0
0.0
0.0
0.0
0.0
0.0
1.9
1.2
1.0
1.0
1.0

TEMPERATURE, DEG C



LOCATION: CRESCENT AMS, OREGON

HOLE NAME: 26S/15E-24A

DATE MEASURED: 3/20/80

PORTFOLD
TEMPERATURE
DEG C
DEG F

DEPTH
METERS

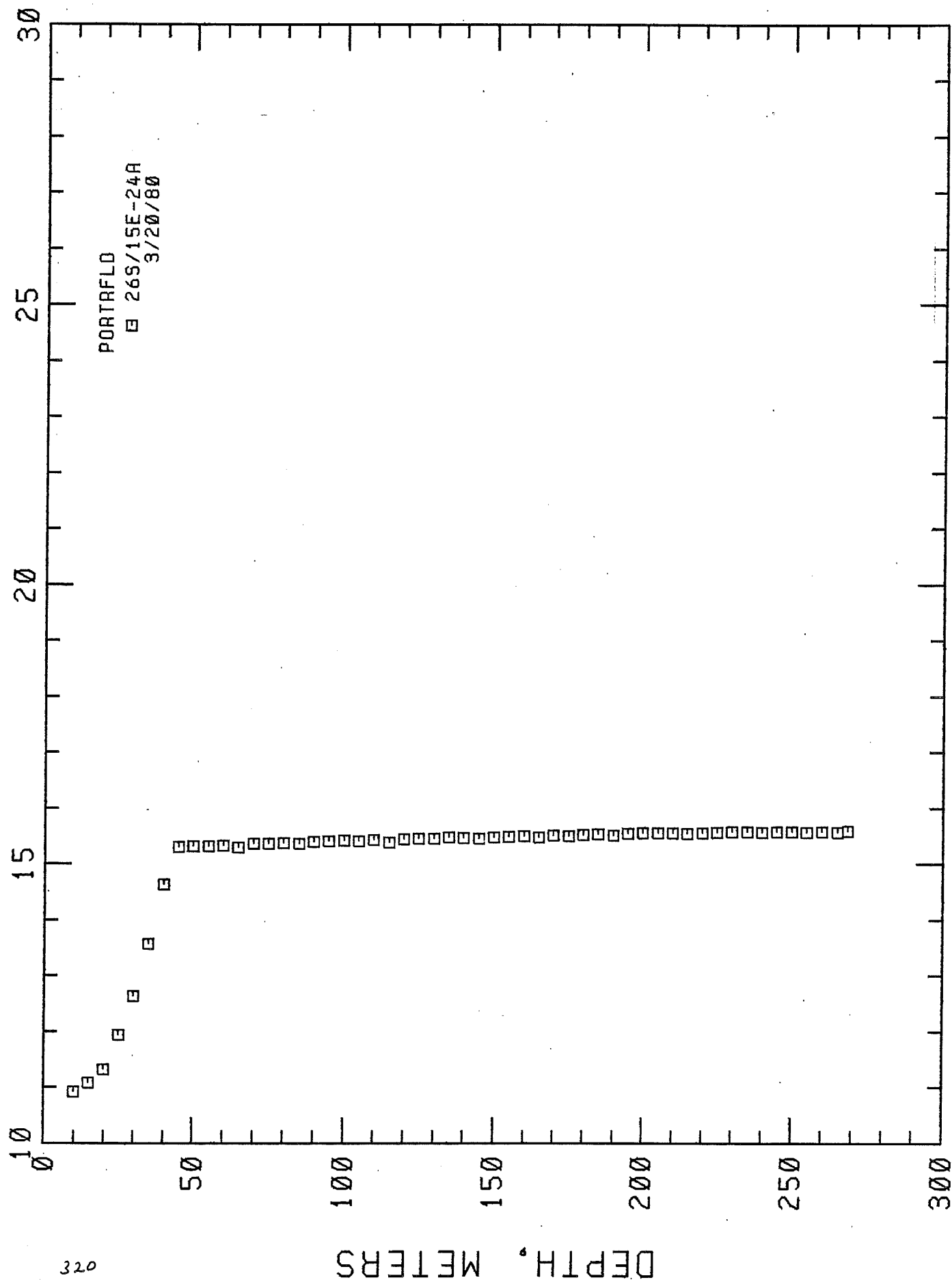
GEOTHERMAL GRADIENT
DEG C/KM
DEG F/100 FT

DEPTH METERS	DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F	GEOTHERMAL GRADIENT DEG C/KM	GEOTHERMAL GRADIENT DEG F/100 FT
10.0	32.8	10.920	51.66	0.0	0.0
15.0	49.2	11.090	51.96	34.0	1.2
20.0	65.6	11.330	52.39	48.0	5.7
25.0	82.0	11.940	53.49	122.0	7.7
30.0	98.4	12.640	54.75	140.0	7.7
35.0	114.8	13.580	56.44	188.0	10.3
40.0	131.2	14.640	58.35	212.0	11.6
45.0	147.6	15.310	59.56	134.0	7.4
50.0	164.0	15.330	59.59	4.0	0.2
55.0	180.4	15.320	59.58	-2.0	-0.1
60.0	196.8	15.340	59.61	4.0	0.2
65.0	213.2	15.300	59.54	-8.0	-0.4
70.0	229.6	15.370	59.67	14.0	0.8
75.0	246.0	15.370	59.67	0.0	0.0
80.0	262.4	15.380	59.68	0.0	0.0
85.0	278.8	15.370	59.67	-2.0	-0.1
90.0	295.2	15.400	59.72	0.0	0.1
95.0	311.6	15.420	59.76	0.0	0.2
100.0	328.0	15.430	59.77	0.0	0.1
105.0	344.4	15.420	59.76	0.0	0.1
110.0	360.8	15.440	59.79	-2.0	-0.1
115.0	377.2	15.390	59.70	4.0	0.2
120.0	393.6	15.450	59.81	-10.0	-0.5
125.0	410.0	15.460	59.83	12.0	0.7
130.0	426.4	15.460	59.83	0.0	0.1
135.0	442.8	15.480	59.86	0.0	0.2
140.0	459.2	15.470	59.85	4.0	0.2
145.0	475.6	15.460	59.83	-2.0	-0.1
150.0	492.0	15.490	59.88	0.0	0.3
155.0	508.4	15.500	59.90	0.0	0.1
160.0	524.8	15.510	59.92	0.0	0.1
165.0	541.2	15.480	59.86	0.0	0.3
170.0	557.6	15.520	59.94	-6.0	-0.4
175.0	574.0	15.510	59.92	-2.0	-0.1
180.0	590.4	15.530	59.95	4.0	0.2
185.0	606.8	15.540	59.97	2.0	0.1
190.0	623.2	15.520	59.94	-4.0	-0.2
195.0	639.6	15.550	59.99	4.0	0.3
200.0	656.0	15.560	60.01	6.0	0.1
205.0	672.4	15.560	60.01	0.0	0.0
210.0	688.8	15.560	60.01	0.0	0.0

LOCATION: CRESCENT AYS, OREGON
 26S/15E-24A
 HOLE NAME: PORTFLD
 DATE MEASURED: 3/20/80
 DEPTH METERS
 DEPTH FEET
 TEMPERATURE DEG C
 TEMPERATURE DEG F
 GEOTHERMAL GRADIENT DEG C/KM
 GEOTHERMAL GRADIENT DEG F/100 FT

215.0	705.2	15.550	59.99	-2.0	-0.1
220.0	721.6	15.570	60.03	4.0	0.2
225.0	738.0	15.580	60.04	2.0	0.1
230.0	754.4	15.590	60.06	2.0	0.1
235.0	770.8	15.590	60.06	0.0	0.0
240.0	787.2	15.580	60.04	-2.0	-0.1
245.0	803.6	15.590	60.06	2.0	0.1
250.0	820.0	15.590	60.06	0.0	0.0
255.0	836.4	15.580	60.04	-2.0	-0.1
260.0	852.8	15.590	60.06	2.0	0.1
265.0	869.2	15.580	60.04	-2.0	-0.1
268.5	880.7	15.600	60.08	5.7	0.3

TEMPERATURE, DEG C



LOCATION: CRESCENT AMS, OREGON
26S/16E-18AA

HOLE NAME: FINE

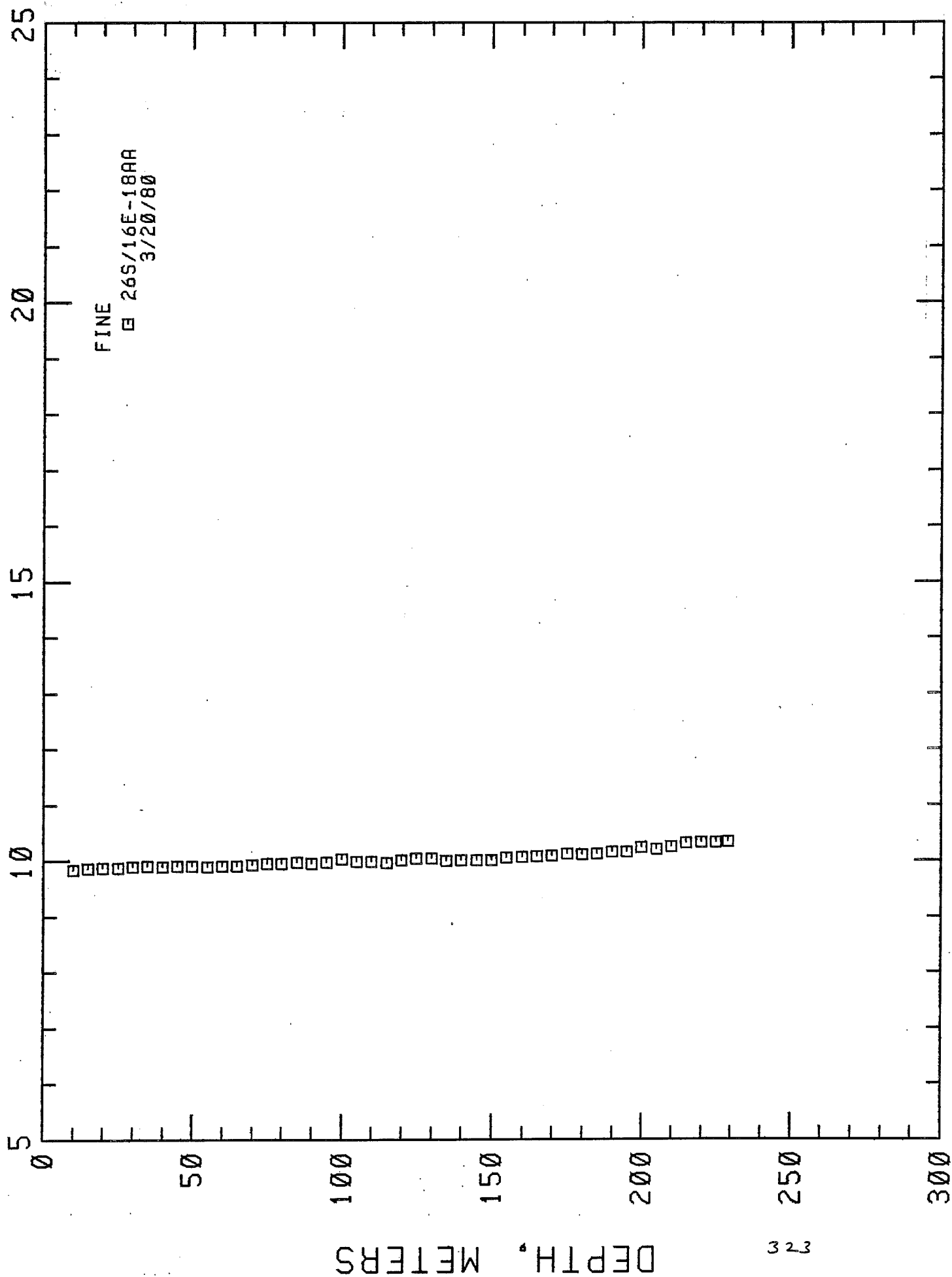
DATE MEASURED: 3/20/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.840	49.71	0.0	0.0
15.0	49.2	9.870	49.77	6.0	0.3
20.0	65.6	9.880	49.78	0.0	0.1
25.0	82.0	9.880	49.78	0.0	0.0
30.0	82.0	9.880	49.82	4.0	0.2
35.0	98.4	9.900	49.84	2.0	0.1
40.0	114.8	9.900	49.82	-2.0	-0.1
45.0	131.2	9.910	49.84	2.0	0.1
50.0	147.6	9.910	49.84	0.0	0.0
55.0	164.0	9.900	49.82	-2.0	-0.1
60.0	180.4	9.910	49.84	0.0	0.0
65.0	196.8	9.910	49.84	0.0	0.1
70.0	213.2	9.940	49.89	6.0	0.3
75.0	229.6	9.960	49.93	0.0	0.0
80.0	246.0	9.960	49.93	0.0	0.2
85.0	262.4	9.980	49.96	4.0	0.2
90.0	278.8	9.960	49.93	4.0	0.2
95.0	311.6	9.980	49.96	-4.0	-0.2
100.0	328.0	10.040	50.07	12.0	0.7
105.0	344.4	9.990	49.98	-10.0	-0.5
110.0	360.8	9.990	49.98	0.0	0.0
115.0	377.2	9.970	49.95	-4.0	-0.2
120.0	393.6	10.020	50.04	10.0	0.5
125.0	410.0	10.050	50.09	6.0	0.3
130.0	426.4	10.050	50.09	0.0	0.0
135.0	442.8	10.010	50.02	8.0	0.4
140.0	459.2	10.020	50.04	-2.0	-0.1
145.0	475.6	10.020	50.04	0.0	0.0
150.0	492.0	10.060	50.11	0.0	0.0
155.0	508.4	10.070	50.13	8.0	0.4
160.0	524.8	10.080	50.14	2.0	0.1
165.0	541.2	10.100	50.18	2.0	0.2
170.0	557.6	10.130	50.23	4.0	0.2
175.0	574.0	10.120	50.22	6.0	0.3
180.0	590.4	10.130	50.23	-2.0	-0.1
185.0	606.8	10.170	50.31	8.0	0.4
190.0	623.2	10.170	50.31	0.0	0.0
195.0	639.6	10.240	50.43	0.0	0.0
200.0	656.0	10.210	50.38	14.0	0.8
205.0	672.4	10.260	50.47	-5.0	-0.3
210.0	688.8			10.0	0.5

LOCATION: CRESCENT AMS, OREGON
 26S/16E-18AA
 HOLE NAME: FINE
 DATE MEASURED: 3/20/80
 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
215.0	705.2	10.320	50.58	12.0	0.7
220.0	721.6	10.340	50.61	4.0	0.2
225.0	738.0	10.340	50.61	0.0	0.0
229.0	751.1	10.350	50.63	2.5	0.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

26S/33E-11DC

HOLE NAME: WINDYPT3

DATE MEASURED: 5/8/80

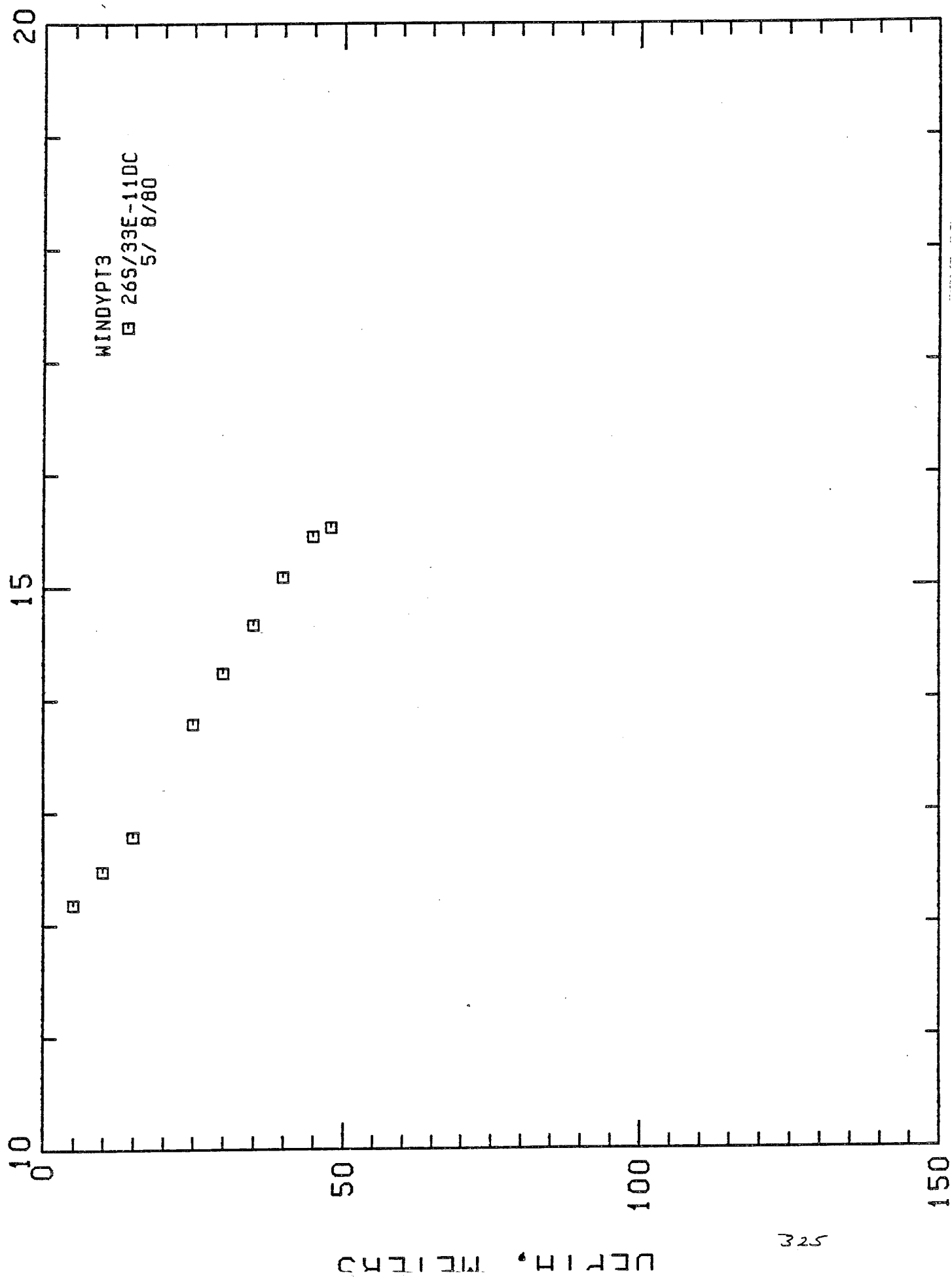
DEPTH
FEET

DEPTH
METERS

DEPTH FEET	TEMPERATURE DEG C	TEMPERATURE DEG F
16.4	12.180	53.92
32.8	12.480	54.46
49.2	12.790	55.02
65.6	13.790	56.82
82.0	14.240	57.63
98.4	14.670	58.41
114.8	15.090	59.16
131.2	15.450	59.81
147.6	15.530	59.95
164.0		

GEOTHERMAL GRADIENT DEG C/KM	DEG F/100 FT
0.0	0
60.0	3.3
62.0	3.4
100.0	5.5
90.0	5.9
86.0	4.7
84.0	4.6
72.0	4.0
26.7	1.5

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

26S/33E-2CD

HOLE NAME: WINDYPT2

DATE MEASURED: 5/8/80

DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0
15.0
20.0
25.0
30.0
35.0
40.0
45.0
50.0
55.0
58.0

32.8
49.2
65.6
82.0
98.4
114.8
131.2
147.6
164.0
180.4
190.2

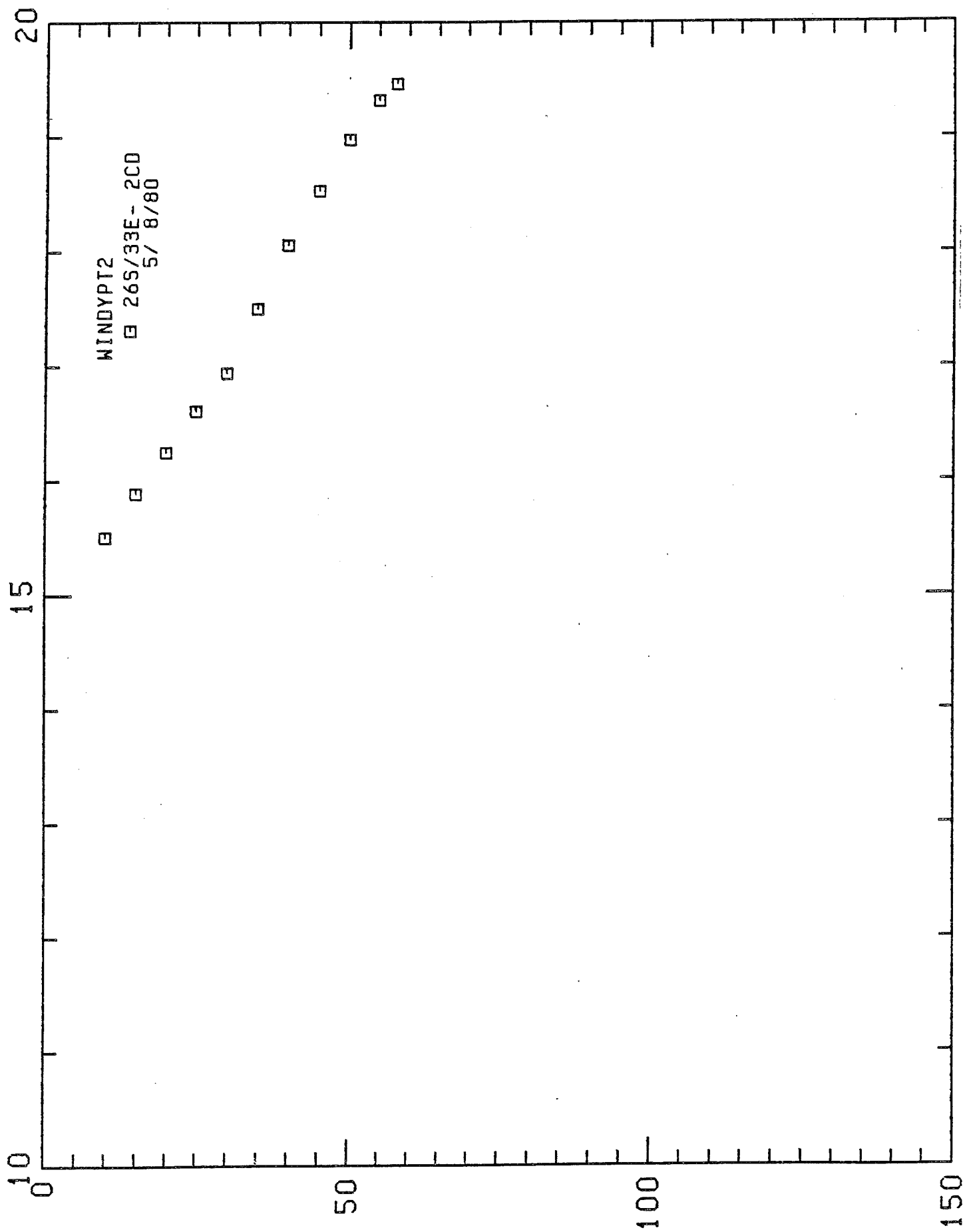
15.510
15.890
16.250
16.610
16.940
17.500
18.060
18.530
18.980
19.320
19.460

59.92
60.60
61.25
61.90
62.49
63.50
64.51
65.35
66.16
66.78
67.03

0.0
76.0
72.0
72.0
66.0
112.0
94.0
90.0
68.0
46.7

0.0
4.2
4.0
4.0
3.6
6.1
5.2
4.9
3.7
2.6

TEMPERATURE, DEG C



UCRH, MICRQ

LOCATION: BURNS AYS, OREGON

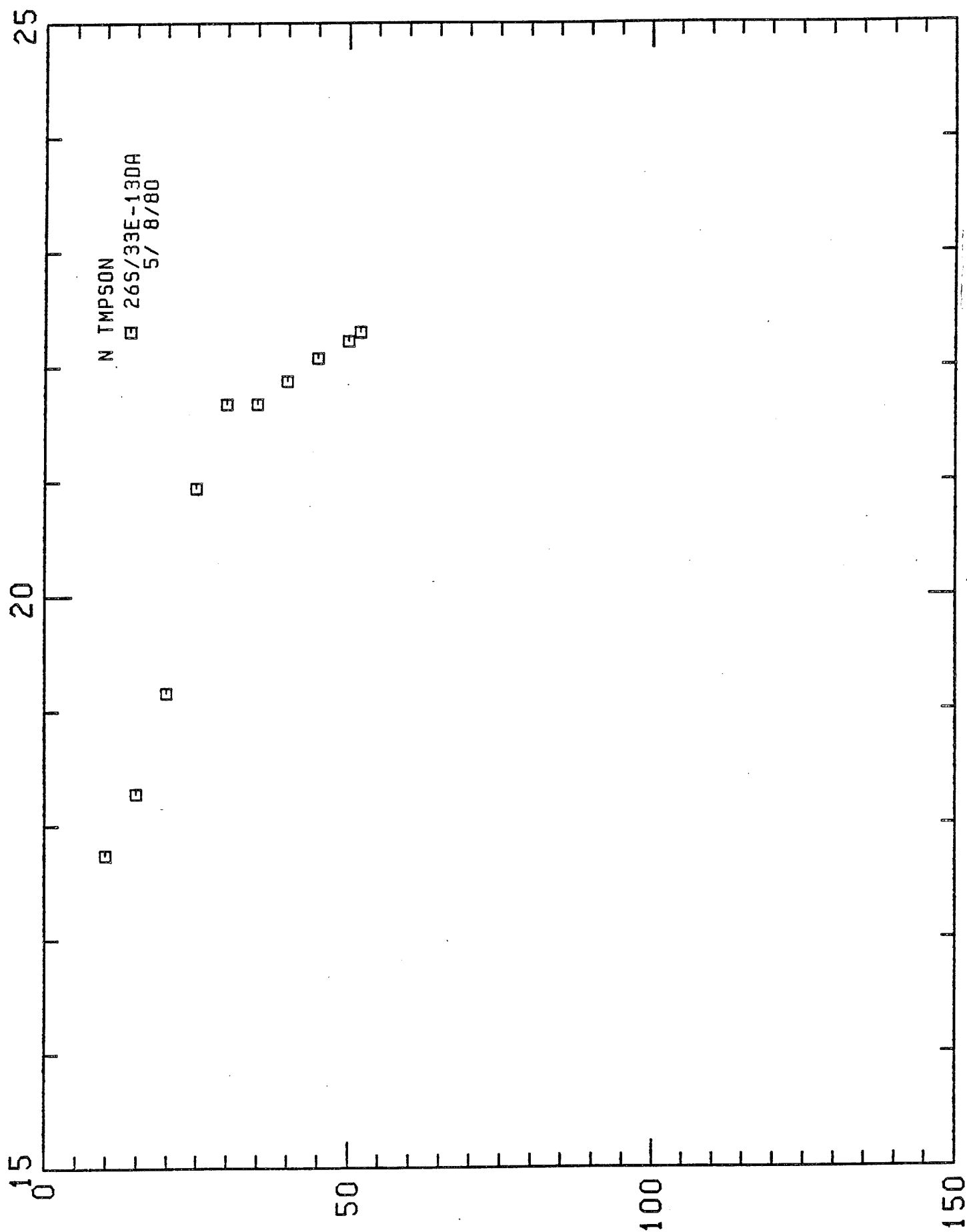
26S/33E-13DA

HOLE NAME: N TWPSON

DATE MEASURED: 5/ 8/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEO THERMAL GRADIENT DEG C/KM	GEO THERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F		
10.0	32.8	17.740	63.93	0.0	0.0
15.0	49.2	18.280	64.90	108.0	5.9
20.0	65.6	19.160	66.49	176.0	5.7
25.0	82.0	20.950	69.71	358.0	19.6
30.0	98.4	21.680	71.02	146.0	8.0
35.0	114.8	21.680	71.02	0.0	0.0
40.0	131.2	21.880	71.38	40.0	2.2
45.0	147.6	22.080	71.74	40.0	2.2
50.0	164.0	22.230	72.01	30.0	1.6
52.0	170.6	22.310	72.16	40.0	2.2

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON
26S/33E-35CC

HOLE NAME: DAVIS 1

DATE MEASURED: 5/ 7/80

DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0
15.0
20.0
25.0
30.0
34.5

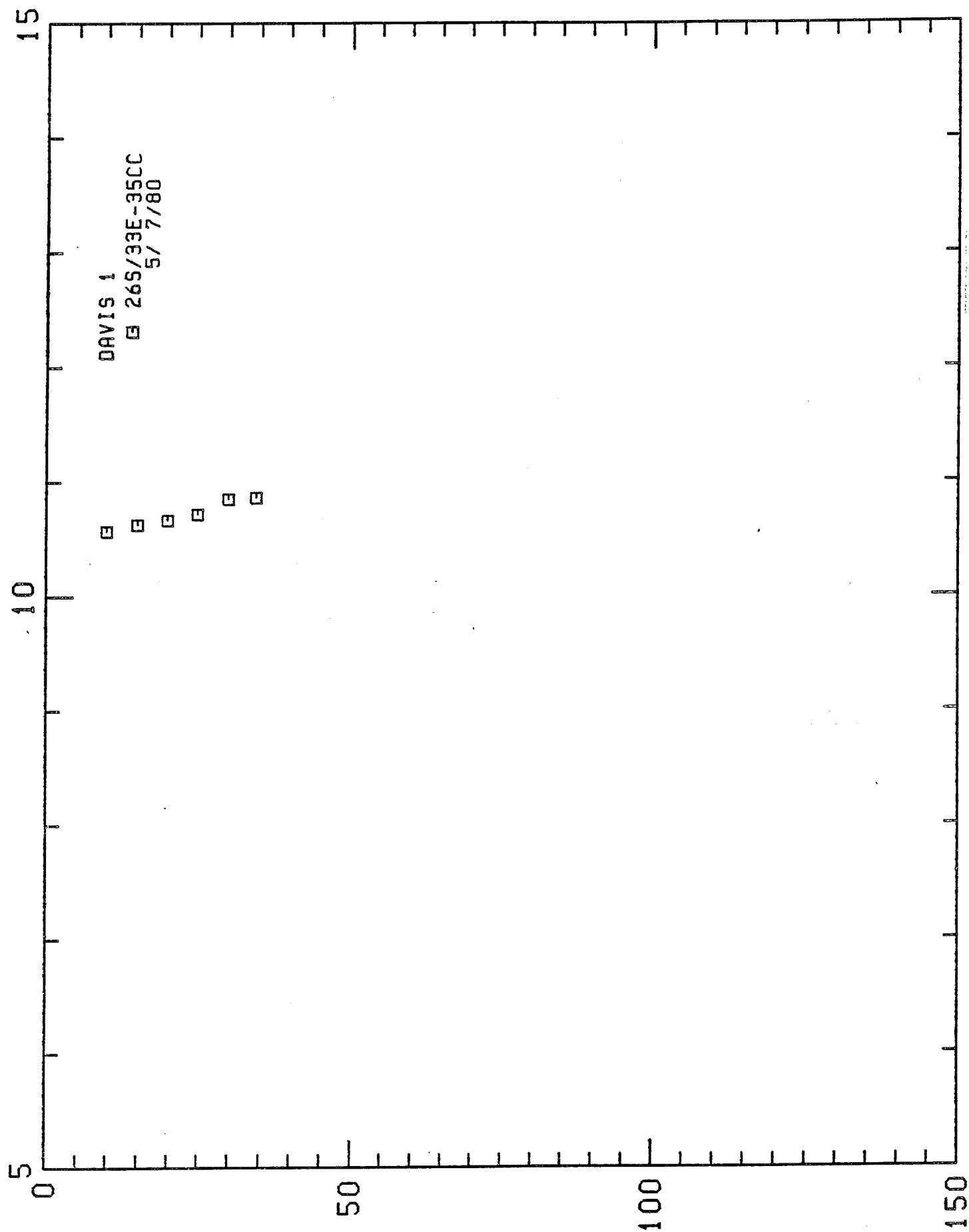
32.8
49.2
65.6
82.0
98.4
113.2

10.570
10.630
10.670
10.720
10.850
10.860

0.0
12.0
8.0
10.0
26.0
2.2

0.0
0.7
0.4
0.5
1.4
0.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

26S/33E-33BA

HOLE NAME: DAVIS 2

DATE MEASURED: 5/ 7/80

TEMPERATURE

DEPTH

METERS

DEG C

FEET

10.0

11.070

32.8

15.0

11.080

49.2

16.5

11.090

54.1

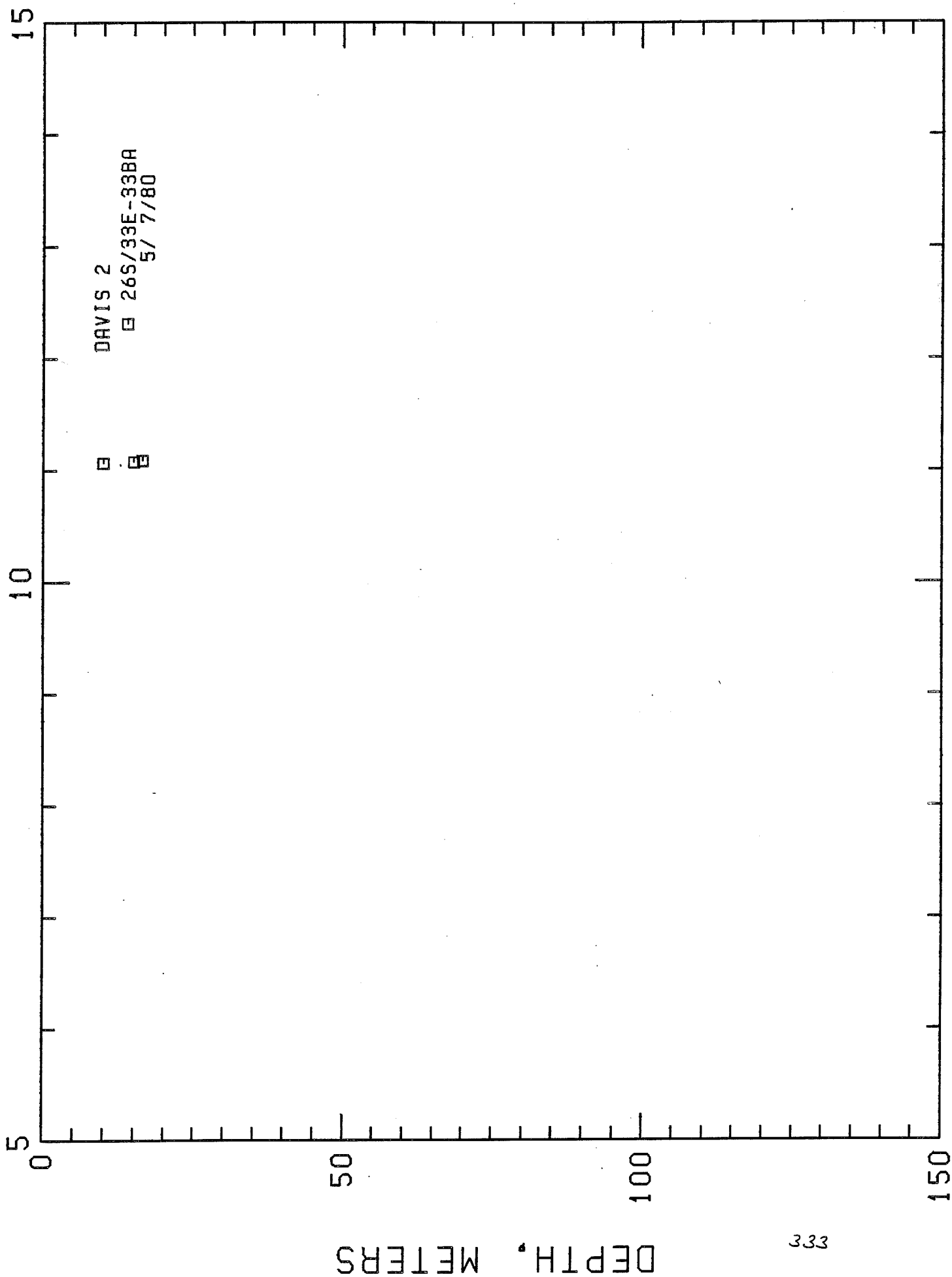
GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0 0.0

2.0 0.1

6.7 0.4

TEMPERATURE, DEG C



LOCATION: BURNS AMS, OREGON

HOLE NAME: 275/33E-3BA

DATE MEASURED: 5/7/80

TEMPERATURE

DEPT F

FEET

DEPTH
METERS

10.0
20.0
25.0
30.0

32.8
65.6
82.0
98.4

11.130
11.190
11.240
11.250

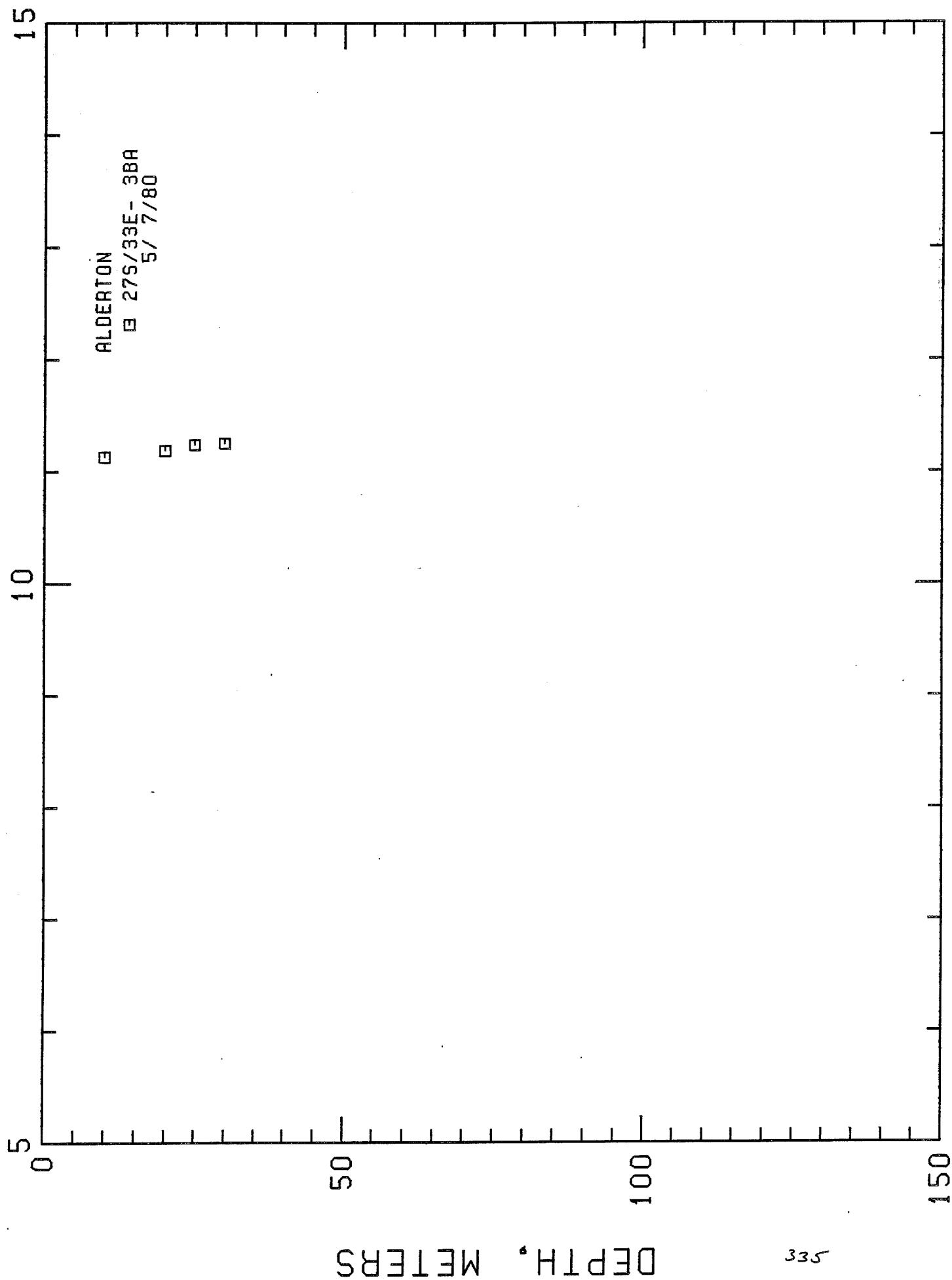
52.03
52.14
52.23
52.25

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

0.0
6.0
10.0
2.0

0.0
0.3
0.5
0.1

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

27S/32E-23BB

HOLE NAME: VOLTAGE

DATE MEASURED: 5/13/80

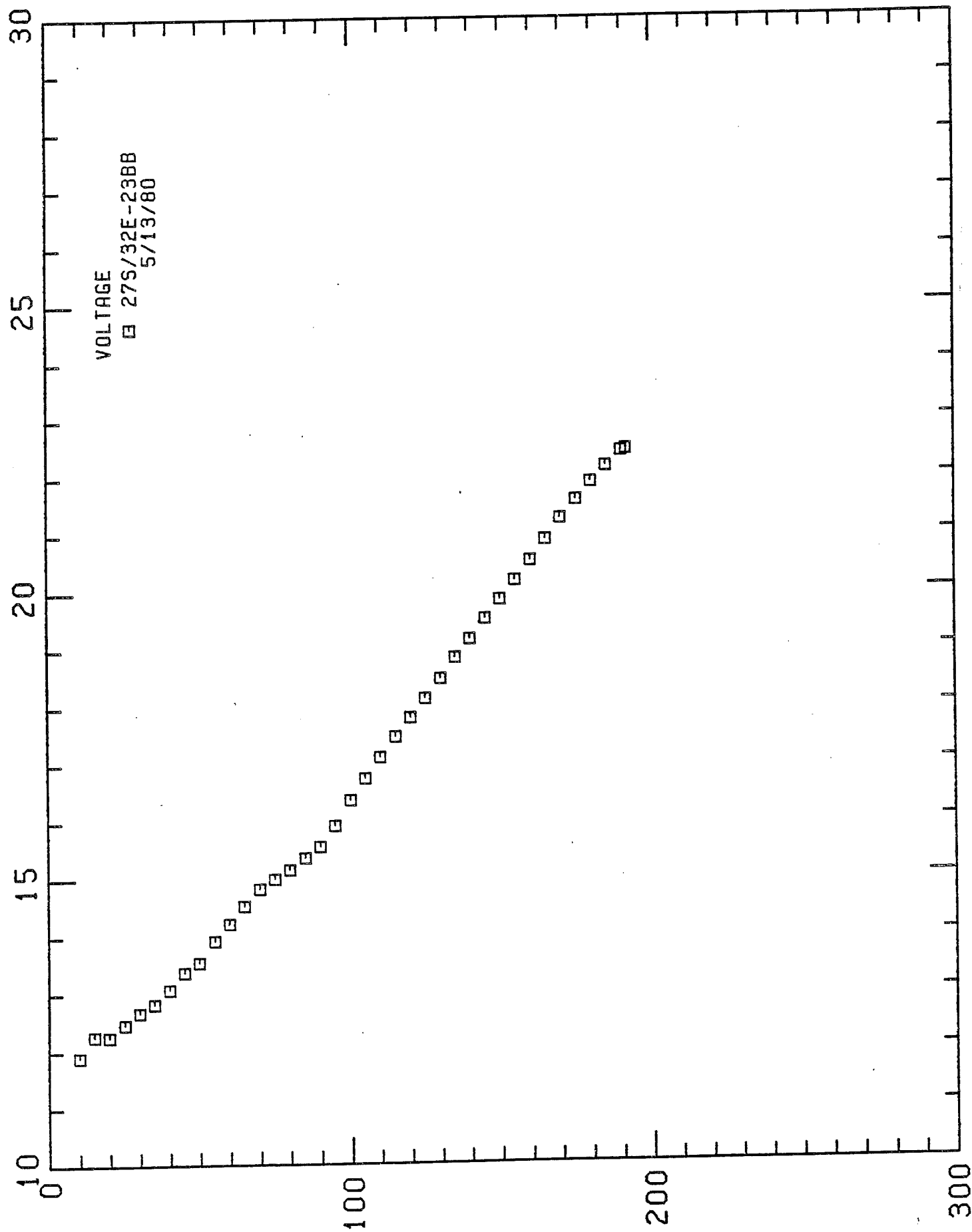
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	11.910	53.44	0.0	0.0
15.0	49.2	12.270	54.09	72.0	4.0
20.0	65.6	12.260	54.07	-2.0	-0.1
25.0	82.0	12.480	54.46	44.0	2.2
30.0	98.4	12.690	54.84	42.0	2.3
35.0	114.8	12.830	55.09	28.0	1.5
40.0	131.2	12.090	55.56	52.0	2.3
45.0	147.6	13.380	56.08	58.0	2.2
50.0	164.0	13.550	56.39	34.0	1.9
55.0	180.4	13.930	57.07	76.0	4.2
60.0	196.8	14.230	57.61	60.0	3.3
65.0	213.2	14.540	58.17	62.0	3.4
70.0	229.6	14.830	58.69	58.0	3.2
75.0	246.0	15.000	59.00	34.0	1.9
80.0	262.4	15.170	59.31	34.0	1.9
85.0	278.8	15.370	59.67	40.0	2.2
90.0	295.2	15.560	60.01	38.0	2.1
95.0	311.6	15.930	60.67	74.0	4.1
100.0	328.0	16.380	61.48	90.0	4.9
105.0	344.4	16.760	62.17	76.0	4.2
110.0	360.8	17.120	62.82	72.0	4.0
115.0	377.2	17.470	63.45	70.0	3.8
120.0	393.6	17.800	64.04	66.0	3.6
125.0	410.0	18.140	64.65	68.0	3.7
130.0	426.4	18.480	65.26	68.0	3.7
135.0	442.8	18.850	65.93	74.0	4.1
140.0	459.2	19.170	66.51	64.0	3.5
145.0	475.6	19.520	67.14	70.0	3.8
150.0	492.0	19.850	67.73	66.0	3.6
155.0	508.4	20.180	68.32	66.0	3.6
160.0	524.8	20.530	68.95	70.0	3.8
165.0	541.2	20.890	69.60	72.0	4.0
170.0	557.6	21.260	70.27	74.0	4.1
175.0	574.0	21.580	70.84	64.0	3.5
180.0	590.4	21.880	71.38	60.0	3.3
185.0	606.8	22.160	71.89	56.0	3.1
190.0	623.2	22.420	72.36	52.0	2.9
191.5	628.1	22.460	72.43	26.7	1.5

TEMPERATURE, DEG C



CECIL, HILL

LOCATION: BURNS AMS, OREGON

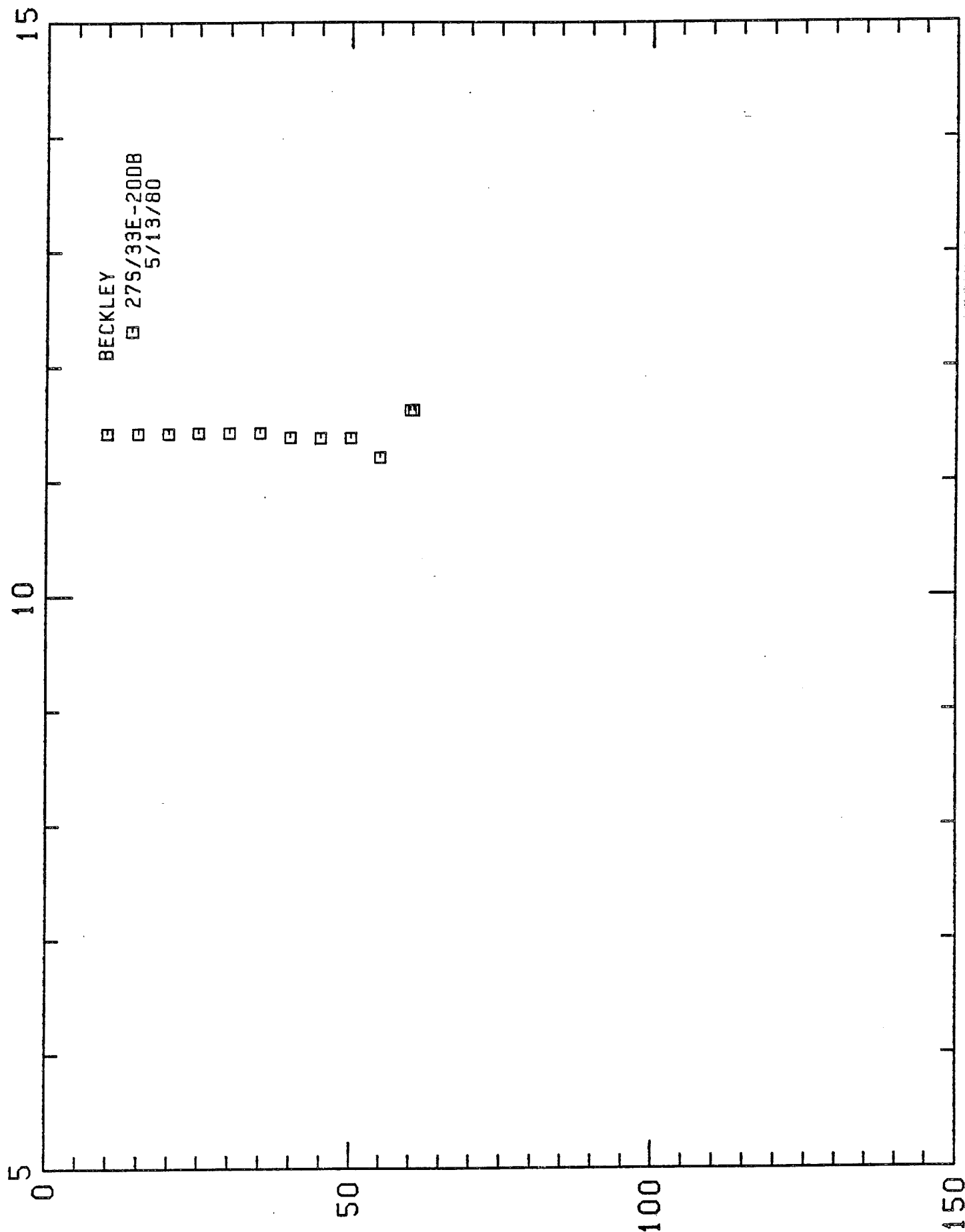
27S/33E-20DB

HOLE NAME: BECKLEY

DATE MEASURED: 5/13/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	11.420	52.56	0.0	0.0
15.0	49.2	11.420	52.56	0.0	0.0
20.0	65.6	11.420	52.56	0.0	0.0
25.0	82.0	11.430	52.57	2.0	0.1
30.0	98.4	11.430	52.57	0.0	0.0
35.0	114.8	11.430	52.57	0.0	0.0
40.0	131.2	11.390	52.50	-8.0	-0.4
45.0	147.6	11.380	52.48	-2.0	-0.1
50.0	164.0	11.380	52.48	0.0	0.0
55.0	180.4	11.210	52.18	0.0	0.0
60.0	196.8	11.620	52.92	-34.0	-1.9
60.5	198.4	11.620	52.92	82.0	4.5
				0.0	0.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: BURNS AMS, OREGON

28S/32E-36CC

HOLE NAME: DMND CRT

DATE MEASURED: 6/ 7/80

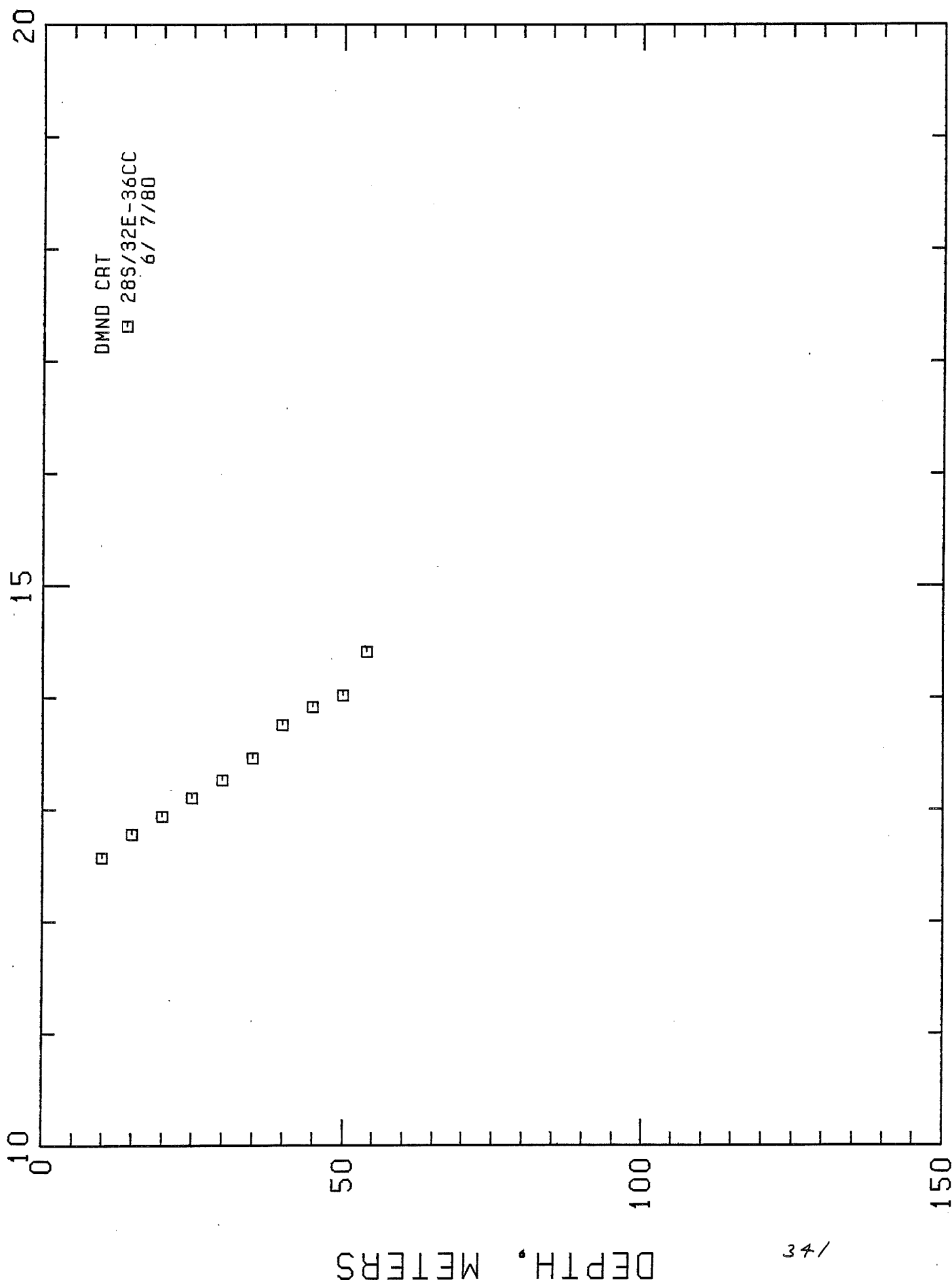
DEPTH
METERS

DEPTH
FEET

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

10.0	32.8	12.570	54.63	0.0	0.0
15.0	49.2	12.780	55.00	42.0	2.3
20.0	65.6	12.940	55.29	32.0	1.8
25.0	82.0	13.110	55.60	34.0	1.9
30.0	98.4	13.270	55.89	32.0	1.8
35.0	114.8	13.460	56.23	38.0	2.1
40.0	131.2	13.760	56.77	60.0	3.3
45.0	147.6	13.920	57.06	32.0	1.8
50.0	164.0	14.020	57.24	20.0	1.1
54.0	177.1	14.410	57.94	97.5	5.4

TEMPERATURE, DEG. C



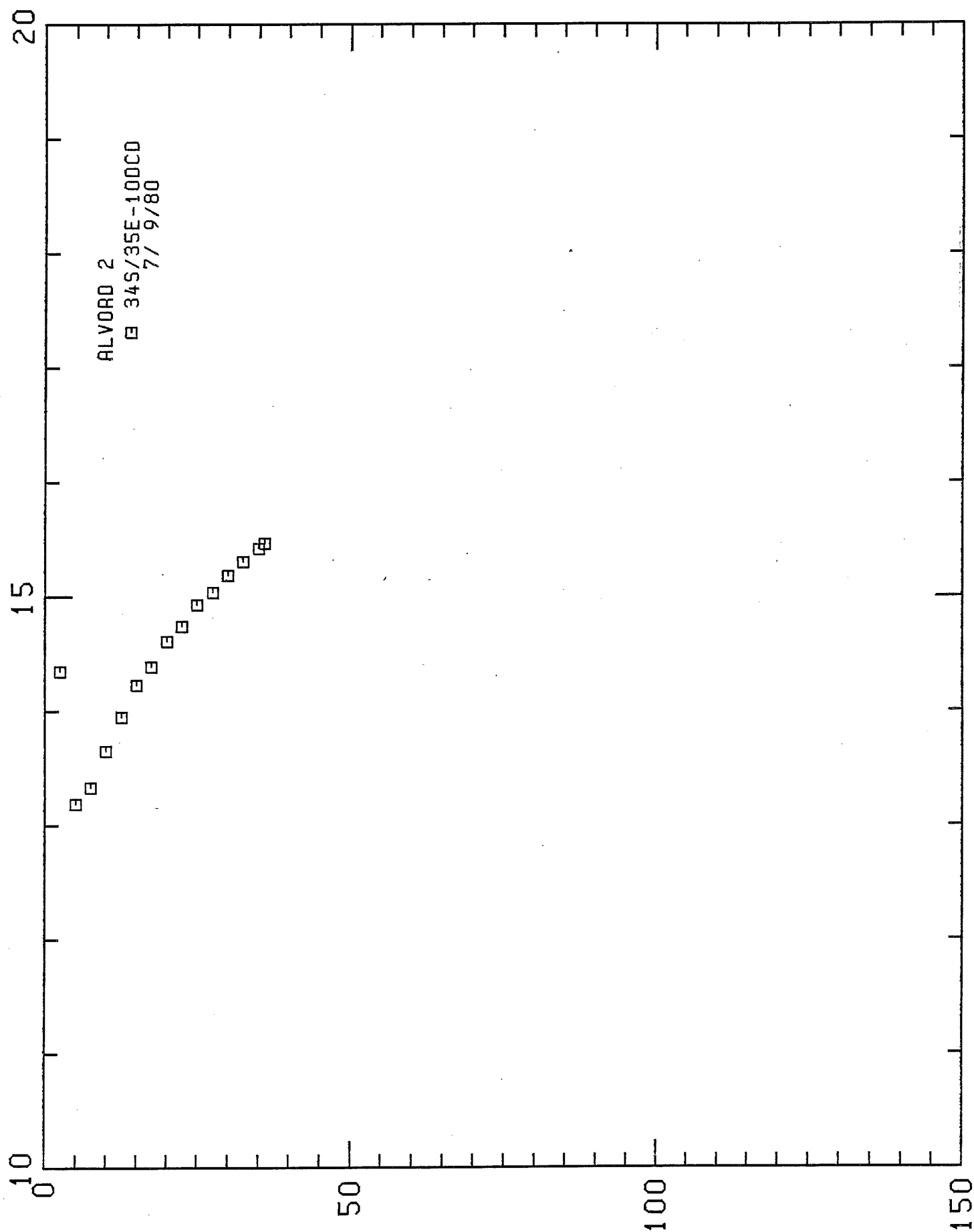
DEPTH, METERS

LOCATION: ADEL AMS, OREGON
34S/35E-10DCD

HOLE NAME: ALVORD 2
DATE MEASURED: 7/ 9/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
5.0	8.2	14.350	57.83	0.0	0.0
5.5	16.4	13.190	55.74	-464.0	-25.5
7.0	24.6	13.330	55.99	56.0	3.1
10.0	32.8	13.650	56.57	128.0	7.0
12.0	41.0	13.950	57.11	120.0	6.6
15.0	49.2	14.230	57.61	112.0	6.1
17.5	57.4	14.390	57.90	64.0	3.5
20.0	65.6	14.610	58.30	88.0	4.8
22.5	73.8	14.740	58.53	52.0	2.4
25.0	82.0	14.930	58.87	76.0	4.2
27.5	90.2	15.040	59.07	44.0	2.3
30.0	98.4	15.190	59.34	60.0	3.6
32.5	106.6	15.310	59.56	48.0	2.4
35.0	114.8	15.420	59.76	44.0	2.2
36.0	118.1	15.470	59.85	50.0	2.7

TEMPERATURE, DEG C



DEPTH, METERS

343

LOCATION: K FALLS AMS, OREGON

39S/20E-38BA

HOLE NAME: HWSLOANS

DATE MEASURED: 1/23/80

TEMPERATURE

DEPT F

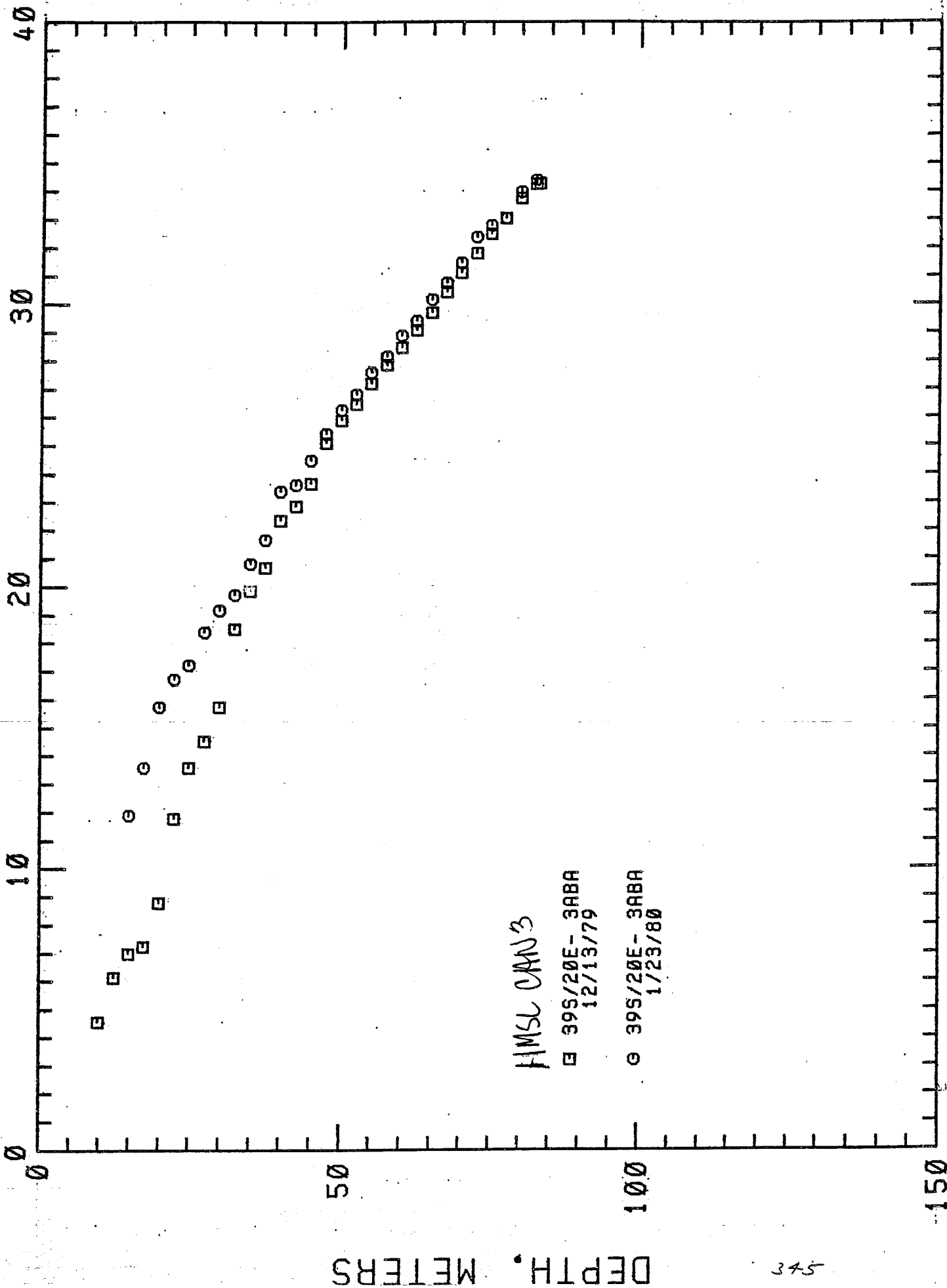
FEET

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM : DEG F/100 FT

15.0	49.2	11.900	53.42	0.0	0.0
17.5	57.4	13.600	56.48	680.0	37.3
20.0	65.6	15.740	60.33	856.0	47.0
22.5	73.8	16.720	62.10	392.0	21.5
25.0	82.0	17.230	63.01	204.0	11.2
27.5	90.2	18.390	65.10	464.0	25.5
30.0	98.4	19.180	66.52	316.0	17.3
32.5	106.6	19.720	67.50	216.0	11.9
35.0	114.8	20.830	69.49	444.0	24.4
37.5	123.0	21.680	71.02	340.0	18.7
40.0	131.2	23.380	74.08	680.0	37.3
42.5	139.4	23.620	74.52	96.0	5.3
45.0	147.6	24.470	76.05	340.0	18.7
47.5	155.8	25.420	77.76	380.0	20.9
50.0	164.0	26.260	79.27	336.0	18.4
52.5	172.2	26.810	80.26	220.0	12.1
55.0	180.4	27.590	81.66	312.0	17.1
57.5	188.6	28.170	82.71	232.0	12.7
60.0	196.8	28.690	84.00	288.0	15.8
62.5	205.0	29.410	84.94	208.0	11.4
65.0	213.2	30.180	86.32	308.0	16.9
67.5	221.4	30.760	87.37	232.0	12.7
70.0	229.6	31.480	88.66	288.0	15.8
72.5	237.8	32.380	90.28	360.0	19.8
75.0	246.0	32.810	91.06	172.0	9.4
77.5	254.2	33.040	91.47	92.0	5.0
80.0	262.4	33.990	93.18	380.0	20.9
82.5	270.6	34.400	93.92	164.0	9.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: K FALLS AMS, OREGON

HOLE NAME: 39S/20E-38CB

DATE MEASURED: 1/23/80

TEMPERATURE

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM

DEG C

DEG F

DEG F/100 FT

17.5
20.5
22.5
25.0
27.5
30.0
32.5
35.0
37.5
40.0
42.5
45.0
47.5
50.0
52.5
55.0
57.5
60.0
62.5
65.0
67.5
70.0
72.5
75.0
77.5
80.0
82.5
85.0
87.5
90.0

57.4
65.6
73.8
82.0
90.2
98.4
106.6
114.8
123.0
131.2
139.4
147.6
155.8
164.0
172.2
180.4
188.6
196.8
205.0
213.2
221.4
229.6
237.8
246.0
254.2
262.4
270.6
278.8
287.0
295.2

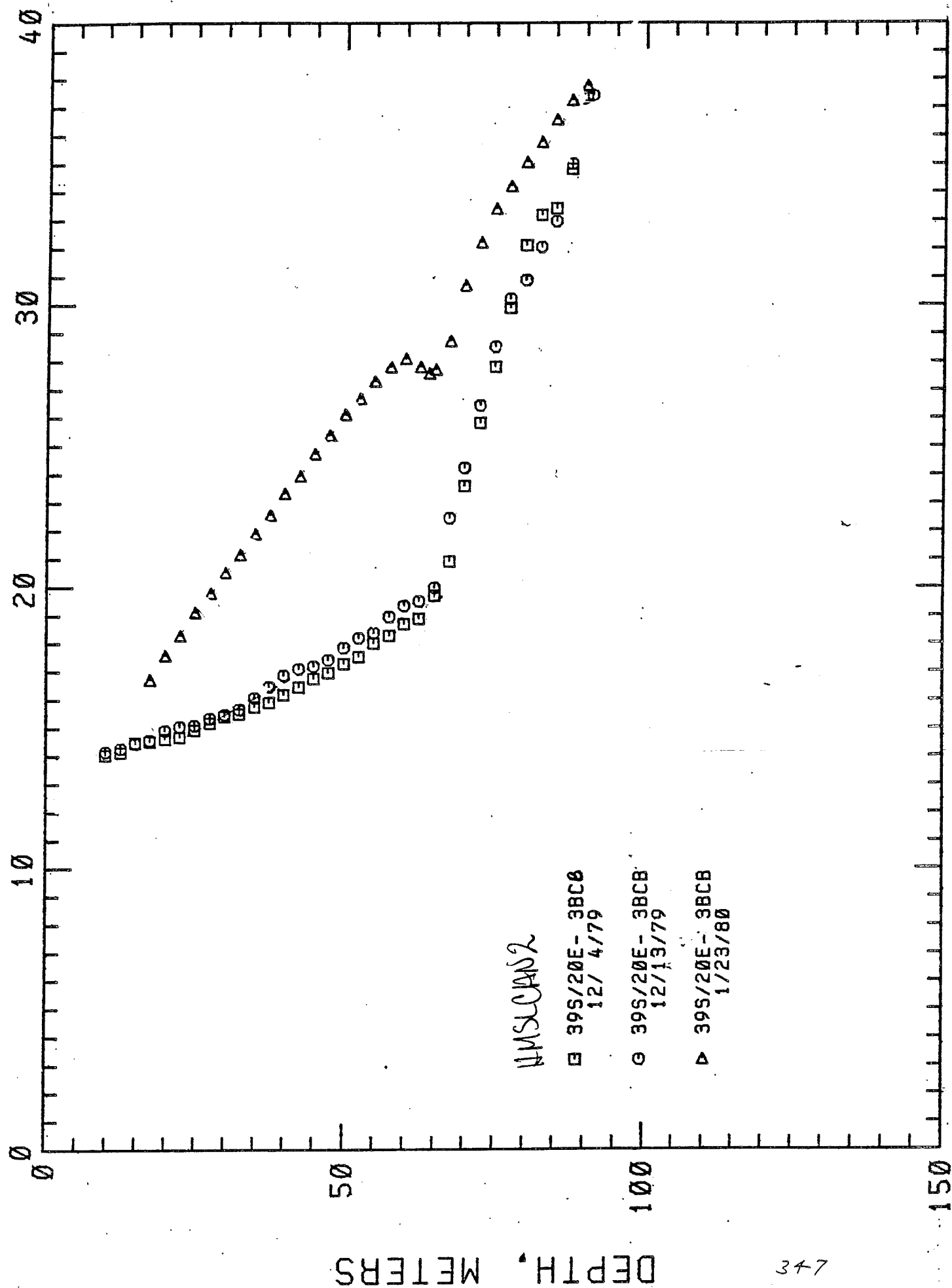
16.740
17.610
18.310
19.130
19.810
20.550
21.190
21.930
22.590
23.370
24.750
25.410
26.150
26.730
27.340
27.850
28.130
27.850
27.600
27.750
28.760
30.730
32.240
33.430
34.230
35.090
35.790
36.590
37.290
37.780

62.13
63.70
64.96
66.43
67.66
68.99
70.14
71.47
72.66
74.07
75.15
76.55
77.74
79.07
80.11
81.21
82.13
82.63
82.13
81.68
81.95
83.77
87.31
90.03
92.17
93.61
95.16
96.42
97.86
99.12
100.00

0.0
348.0
280.0
328.0
272.0
296.0
256.0
296.0
264.0
312.0
240.0
312.0
264.0
296.0
232.0
244.0
204.0
112.0
-112.0
-166.7
150.0
404.0
788.0
604.0
476.0
320.0
344.0
280.0
320.0
280.0
196.0

0.0
19.1
15.4
18.0
14.9
16.2
14.0
16.2
14.5
17.1
13.2
17.1
14.5
16.2
12.7
13.4
11.2
6.1
-6.1
-9.1
8.2
22.2
33.1
26.1
17.6
18.9
15.4
17.6
15.4
10.8

TEMPERATURE, DEG C



11MSL02
39S/20E-3BCB
12/4/79
39S/20E-3BCB
12/13/79
39S/20E-3BCB
1/23/80

LOCATION: KLAMATH FALLS AMS, ORE

39S/20E-38DB

HOLE NAME: HNSLCAN1

DATE MEASURED: 1/23/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG F/100 FT
		DEG C	DEG F	
15.0	49.2	43.510	110.32	0.0
17.5	57.4	47.060	116.71	1420.0
20.0	65.6	52.530	126.55	2188.0
22.5	73.8	57.200	134.96	1868.0
25.0	82.0	63.220	145.80	2408.0
27.5	90.2	69.000	156.20	2312.0
30.0	98.4	75.510	167.92	2604.0
32.5	106.6	82.210	179.98	2680.0
35.0	114.8	89.450	193.01	2896.0
37.5	123.0	94.780	202.60	2132.0
40.0	131.2	97.990	208.38	1284.0
42.5	139.4	98.910	210.04	368.0
45.0	147.6	99.120	210.42	84.0
47.5	155.8	98.450	209.21	-268.0
50.0	164.0	97.830	208.09	-248.0
52.5	172.2	97.430	207.37	-160.0
55.0	180.4	97.240	207.03	-76.0
57.5	188.6	97.190	206.94	-20.0
60.0	196.8	97.040	206.67	-60.0
62.5	205.0	96.750	206.15	-116.0
65.0	213.2	96.310	205.36	-176.0
67.5	221.4	95.790	204.42	-208.0
70.0	229.6	95.370	203.67	-168.0
72.5	237.8	95.190	203.34	-112.0
75.0	246.0	94.910	202.84	-36.0
77.5	254.2	94.820	202.68	-16.0
80.0	262.4	94.780	202.60	0.0
82.5	270.6	94.730	202.51	-20.0
85.0	278.8	94.600	202.28	-52.0
87.5	287.0			-120.0
89.0	291.9			

TEMPERATURE, DEG C

0 20 40 60 80 100 120

DEPTH, METERS

50

100

150

MUSCAN1

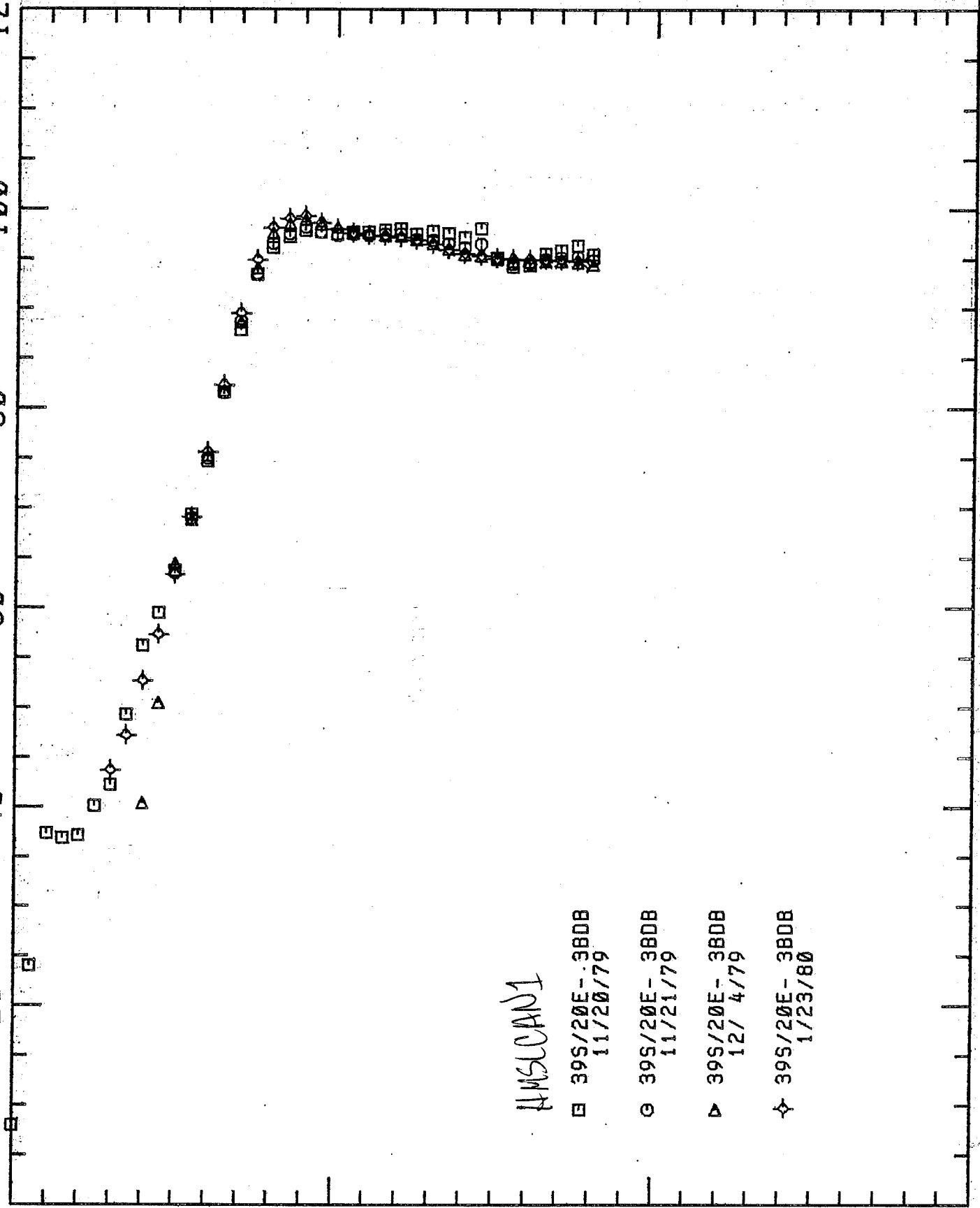
□ 39S/20E-38DB
11/20/79

○ 39S/20E-38DB
11/21/79

△ 39S/20E-38DB
12/4/79

✧ 39S/20E-38DB
1/23/80

349



LOCATION: KLAMATH FALLS AMS, ORE

395/20E-4DCA

HOLE NAME: PR PN CO

DATE MEASURED: 4/18/80

DEPTH
METERS

DEPTH
FEET

TEMPERATURE
DEG C

TEMPERATURE
DEG F

GEOTHERMAL GRADIENT
DEG C/KM

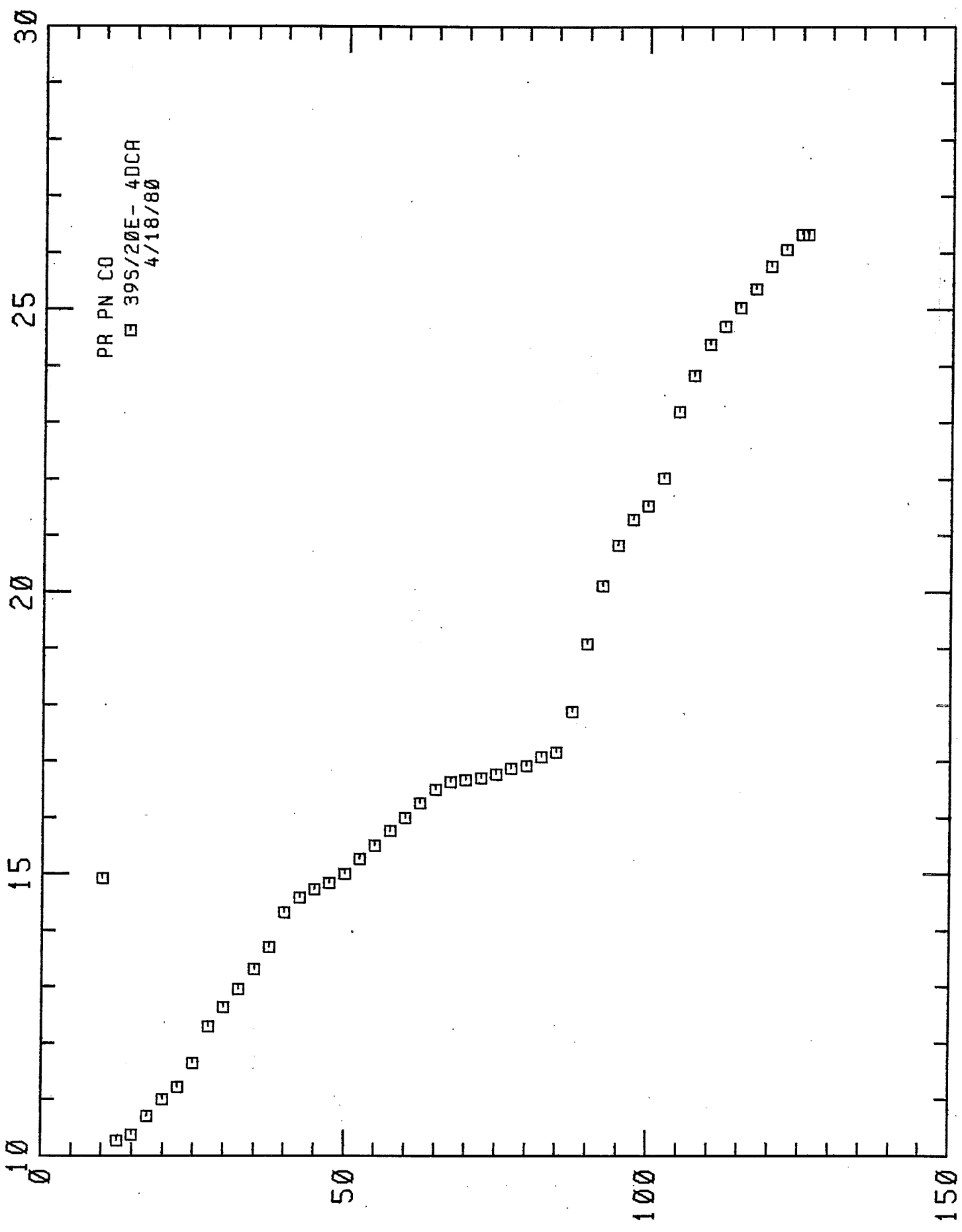
DEG F/100 FT

10.0	32.8	14.920	58.86	0.0	0.0
12.5	41.0	10.270	50.49	-1860.0	-102.1
15.0	49.2	10.380	50.68	44.0	2.4
17.5	57.4	10.710	51.28	132.0	7.2
20.0	65.6	11.010	51.82	120.0	6.6
22.5	73.8	11.220	52.20	84.0	4.6
25.0	82.0	11.650	52.97	172.0	9.4
27.5	90.2	12.300	54.14	260.0	14.3
30.0	98.4	12.640	54.75	136.0	7.5
32.5	106.6	12.960	55.33	128.0	7.0
35.0	114.8	13.310	55.96	140.0	7.7
37.5	123.0	13.700	56.66	156.0	8.6
40.0	131.2	14.320	57.78	248.0	13.6
42.5	139.4	14.580	58.24	104.0	5.7
45.0	147.6	14.730	58.51	60.0	3.3
47.5	155.8	14.850	58.73	48.0	2.6
50.0	164.0	15.010	59.02	64.0	3.5
52.5	172.2	15.270	59.49	104.0	5.7
55.0	180.4	15.510	59.92	96.0	5.3
57.5	188.6	15.770	60.39	104.0	5.7
60.0	196.8	16.000	60.80	92.0	5.1
62.5	205.0	16.260	61.27	104.0	5.7
65.0	213.2	16.500	61.70	96.0	5.3
67.5	221.4	16.640	61.95	56.0	3.1
70.0	229.6	16.680	62.02	16.0	0.9
72.5	237.8	16.710	62.08	12.0	0.7
75.0	246.0	16.780	62.20	28.0	1.5
77.5	254.2	16.880	62.38	40.0	2.2
80.0	262.4	16.920	62.46	16.0	0.9
82.5	270.6	17.080	62.74	64.0	3.5
85.0	278.8	17.170	62.91	36.0	2.0
87.5	287.0	17.880	64.18	284.0	15.6
90.0	295.2	19.080	66.34	480.0	28.3
92.5	303.4	20.110	68.20	412.0	22.6
95.0	311.6	20.840	69.51	292.0	16.0
97.5	319.8	21.290	70.32	180.0	9.9
100.0	328.0	21.530	70.75	96.0	5.3
102.5	336.2	22.020	71.64	196.0	10.8
105.0	344.4	23.200	73.76	472.0	25.9
107.5	352.6	23.840	74.91	256.0	14.0
110.0	360.8	24.390	75.90	220.0	12.1

LOCATION: KLAMATH FALLS AMS, ORE PAGE 2
 39S/20E- 4DCA
 HOLE NAME: PR PN CO
 DATE MEASURED: 4/18/80
 TEMPERATURE
 DEPTH DEPTHERMAL GRADIENT
 METERS DEG C/KM DEG F/100 FT
 FEET DEG C DEG F

112.5	369.0	24.710	76.48	128.0	7.0
115.0	377.2	25.040	77.07	132.0	7.2
117.5	385.4	25.370	77.67	132.0	7.2
120.0	393.6	25.770	78.39	160.0	8.8
122.5	401.8	26.070	78.93	120.0	6.6
125.0	410.0	26.330	79.39	104.0	5.7
126.0	413.3	26.330	79.39	0.0	0.0

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: K FALLS AMS. OREGON

HOLE NAME: 39S/20E- 4DCA

DATE MEASURED: 1/22/80

DEPTH METERS DEPTH FEET TEMPERATURE DEG C TEMPERATURE DEG F GEOTHERMAL GRADIENT DEG C/KM GEOTHERMAL GRADIENT DEG F/100 FT

7.5	24.6	11.000	51.80	0.0	0.0
10.0	32.8	10.370	50.67	-252.0	-13.8
12.5	41.0	10.540	50.97	68.0	3.7
15.0	49.2	10.920	51.66	152.0	8.3
17.5	57.4	11.310	52.36	156.0	8.6
20.0	65.6	11.560	52.81	100.0	5.5
22.5	73.8	11.920	53.46	144.0	7.9
25.0	82.0	12.250	54.05	132.0	7.2
27.5	90.2	12.610	54.70	144.0	7.9
30.0	98.4	12.880	55.18	108.0	5.9
32.5	106.6	13.230	55.81	140.0	7.7
35.0	114.8	13.570	56.43	136.0	7.5
37.5	123.0	13.910	57.04	136.0	7.5
40.0	131.2	14.420	57.96	204.0	11.2
42.5	139.4	14.750	58.55	132.0	7.2
45.0	147.6	14.850	58.73	40.0	2.2
47.5	155.8	14.970	58.95	48.0	2.6
50.0	164.0	15.160	59.29	76.0	4.2
52.5	172.2	15.400	59.72	96.0	5.3
55.0	180.4	15.610	60.10	84.0	4.6
57.5	188.6	15.860	60.55	100.0	5.5
60.0	196.8	16.180	61.12	128.0	7.0
62.5	205.0	16.440	61.59	104.0	5.7
65.0	213.2	16.890	62.40	180.0	9.9
67.5	221.4	16.990	62.58	40.0	2.2
70.0	229.6	17.030	62.65	16.0	0.9
72.5	237.8	17.100	62.78	28.0	1.5
75.0	246.0	17.140	62.85	16.0	0.9
77.5	254.2	17.290	63.12	60.0	3.3
80.0	262.4	17.320	63.18	12.0	0.7
82.5	270.6	17.490	63.48	68.0	3.7
85.0	278.8	17.630	63.73	56.0	3.1
87.5	287.0	18.640	65.55	404.0	22.2
90.0	295.2	19.780	67.60	456.0	25.0
92.5	303.4	20.700	69.26	368.0	20.2
95.0	311.6	21.410	70.54	284.0	15.6
97.5	319.8	21.850	71.33	176.0	9.7
100.0	328.0	22.110	71.80	104.0	5.9
102.5	336.2	22.560	72.61	180.0	9.9
105.0	344.4	23.610	74.50	420.0	23.0
107.5	352.6	24.160	75.49	220.0	12.1

LOCATION: K FALLS AMS, OREGON

39S/20E-4DCA

HOLE NAME: PR PN CO

DATE MEASURED: 1/22/80

TEMPERATURE

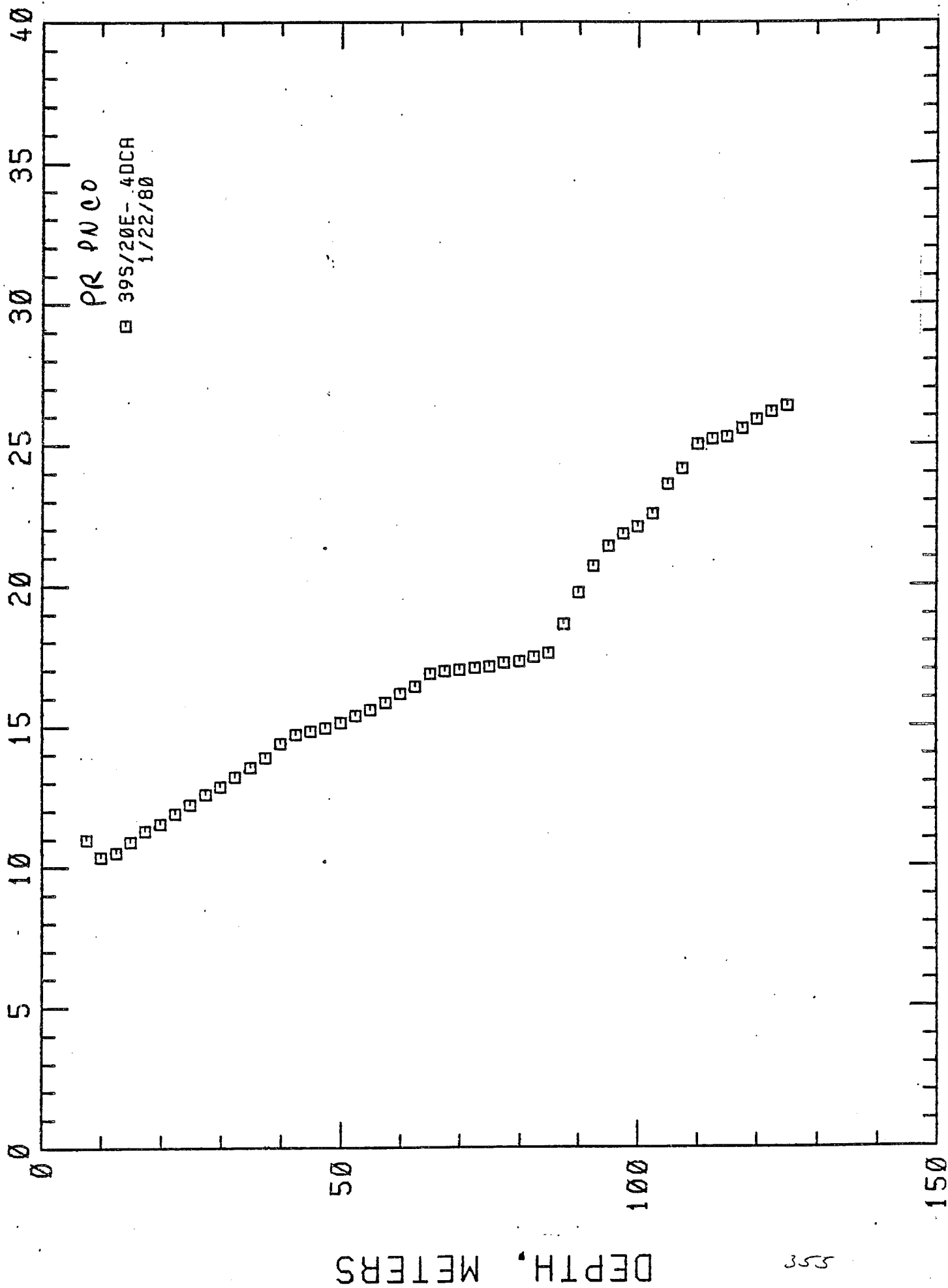
DEPTH FEET

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

110.0	360.8	25.020	77.04	344.0	18.9
112.5	369.0	25.210	77.38	76.0	4.2
115.0	377.2	25.270	77.49	24.0	1.3
117.5	385.4	25.570	78.03	120.0	6.6
120.0	393.6	25.890	78.60	128.0	7.0
122.5	401.8	26.160	79.09	108.0	5.9
125.0	410.0	26.370	79.47	84.0	4.6

TEMPERATURE, DEG C



LOCATION: Klamath Falls AMS, ORE			
39S/20E-14BBB			
HOLE NAME: BULLCAN1			
DATE MEASURED: 1/23/80			
DEPTH METERS	DEPTH FEET	TEMPERATURE	GEOTHERMAL GRADIENT
		DEG C	DEG F/100 FT
10.0	32.8	11.860	0.0
12.5	41.0	12.130	0.9
15.0	49.2	12.350	4.8
17.5	57.4	12.630	6.8
20.0	65.6	12.940	5.7
22.5	73.8	13.200	5.1
25.0	82.0	13.480	5.3
27.5	90.2	13.740	4.6
30.0	98.4	13.980	11.6
32.5	106.6	14.190	5.2
35.0	114.8	14.720	4.3
37.5	123.0	15.060	5.3
40.0	131.2	15.250	3.4
42.5	139.4	15.490	4.4
45.0	147.6	15.650	14.3
47.5	155.8	15.850	
48.0	157.4	15.980	

TEMPERATURE, DEG C

20

15

10

DEPTH, METERS

50

100

150

BULLCAP 1

□ 39S/20E-14888
11/16/79

○ 39S/20E-14888
12/ 4/79

△ 39S/20E-14888
1/23/80

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LOCATION: Klamath Falls AMS, ORE

39S/20E-15AC

HOLE NAME: BULLCAN2

DATE MEASURED: 1/23/80

TEMPERATURE

DEPTH

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.0	16.4	12.100	53.78	0.0	0.0
10.0	32.8	12.430	54.37	66.0	0.6
12.0	41.0	12.510	54.52	32.0	3.8
15.0	49.2	12.840	55.11	132.0	17.2
17.0	57.4	13.010	55.42	68.0	3.7
20.0	65.6	13.440	56.19	172.0	3.4
22.0	73.8	13.670	56.61	92.0	5.0
25.0	82.0	14.090	57.36	168.0	2.3
27.0	90.2	14.330	57.79	96.0	5.9
30.0	98.4	14.770	58.59	176.0	3.7
32.0	106.6	14.970	58.95	80.0	4.4
35.0	114.8	15.310	59.56	136.0	7.5
37.0	123.0	15.570	60.03	104.0	5.7
40.0	131.2	15.950	60.71	152.0	3.3
42.0	139.4	16.220	61.20	108.0	5.0
45.0	147.6	16.610	61.90	72.0	3.6
47.0	155.8	16.790	62.22	156.0	4.0
50.0	164.0	17.160	62.89	148.0	1.4
52.0	172.2	17.450	63.41	116.0	6.1
55.0	180.4	17.840	64.11	156.0	6.0
57.0	188.6	18.070	64.53	92.0	5.0
60.0	196.8	18.530	65.35	184.0	1.8
62.0	205.0	18.750	65.75	88.0	9.3
65.0	213.2	19.110	66.40	144.0	7.7
67.0	221.4	19.370	66.87	104.0	5.7
70.0	229.6	19.710	67.48	136.0	7.4
72.0	237.8	20.000	68.00	116.0	4.0
75.0	246.0	20.410	68.74	164.0	5.7
77.0	254.2	20.660	69.19	100.0	5.0
80.0	262.4	21.010	69.82	140.0	7.8
82.0	270.6	21.230	70.21	88.0	4.2
85.0	278.8	21.560	70.81	132.0	3.7
87.0	287.0	21.730	71.11	68.0	1.5
89.0	291.9	21.770	71.19	26.7	

TEMPERATURE, DEG C

12 14 16 18 20 22

DEPTH, METERS

50

100

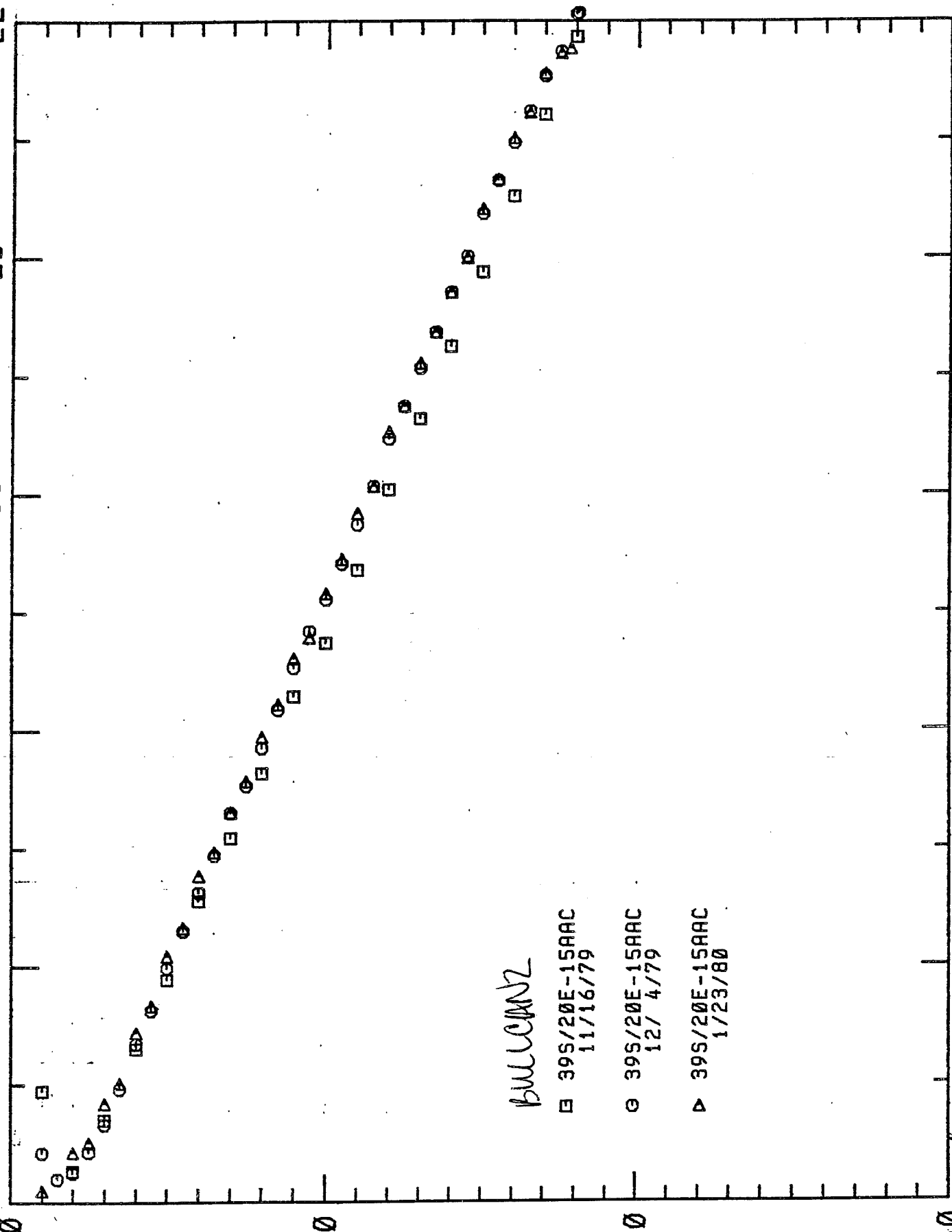
150

BULLOANZ

□ 39S/20E-15RAC
11/16/79

○ 39S/20E-15RAC
12/ 4/79

△ 39S/20E-15RAC
1/23/80



LOCATION: K FALLS AMS, OREGON

HOLE NAME: 39S/20E-15BAA

DATE MEASURED: 1/23/80

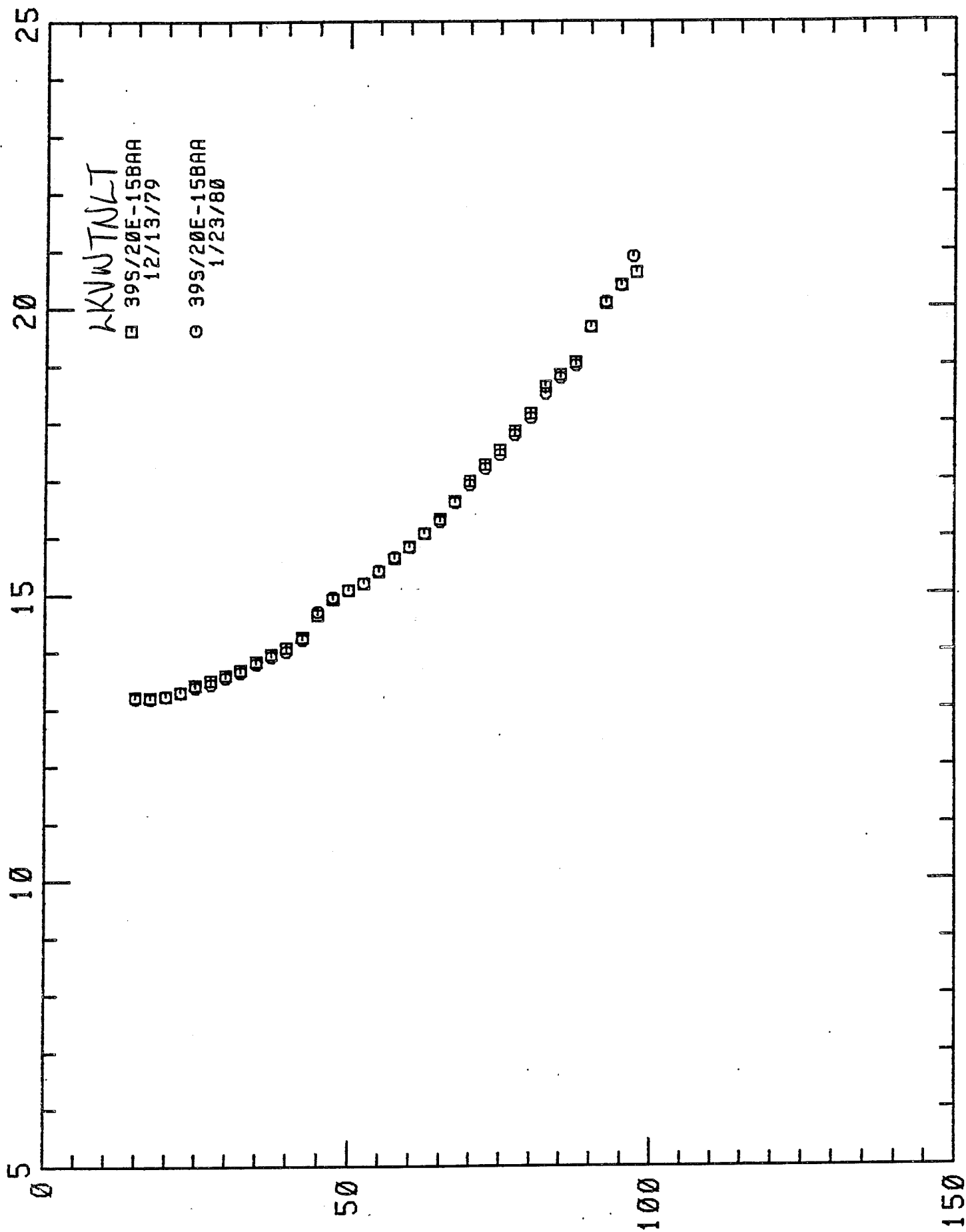
TEMPERATURE

DEPTH METERS

GEOTHERMAL GRADIENT
DEG C/KM 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
15.0	49.2	13.200	55.76	0.0	0.0
17.5	57.4	13.190	55.74	-4.0	-0.2
20.0	65.6	13.240	55.83	20.0	1.5
22.5	73.8	13.310	55.96	28.0	1.8
25.0	82.0	13.390	56.10	32.0	1.3
27.5	90.2	13.450	56.21	24.0	1.3
30.0	98.4	13.560	56.41	44.0	2.0
32.5	106.6	13.650	56.57	36.0	3.0
35.0	114.8	13.800	56.84	60.0	3.9
37.5	123.0	13.930	57.07	52.0	3.9
40.0	131.2	14.020	57.24	36.0	2.4
42.5	139.4	14.220	57.60	80.0	4.4
45.0	147.6	14.710	58.48	196.0	10.8
47.5	155.8	14.970	58.95	104.0	7.6
50.0	164.0	15.090	59.16	48.0	2.6
52.5	172.2	15.200	59.36	44.0	2.4
55.0	180.4	15.420	59.76	88.0	4.8
57.5	188.6	15.660	60.19	96.0	5.3
60.0	196.8	15.830	60.49	68.0	3.3
62.5	205.0	16.070	60.93	96.0	5.4
65.0	213.2	16.280	61.30	84.0	4.6
67.5	221.4	16.610	61.90	132.0	7.2
70.0	229.6	16.920	62.46	124.0	6.8
72.5	237.8	17.200	62.96	112.0	6.1
75.0	246.0	17.450	63.41	100.0	5.5
77.5	254.2	17.790	64.02	136.0	7.4
80.0	262.4	18.080	64.54	116.0	5.4
82.5	270.6	18.510	65.32	172.0	9.4
85.0	278.8	18.780	65.80	108.0	5.8
87.5	287.0	19.000	66.20	88.0	4.9
90.0	295.2	19.680	67.42	272.0	14.9
92.5	303.4	20.110	68.20	172.0	9.4
95.0	311.6	20.400	68.72	116.0	6.4
97.0	318.2	20.500	69.62	250.0	13.7

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: K FALLS AMS, OREGON

39S/20E-27DBB

HOLE NAME: BARRY

DATE MEASURED: 1/23/80

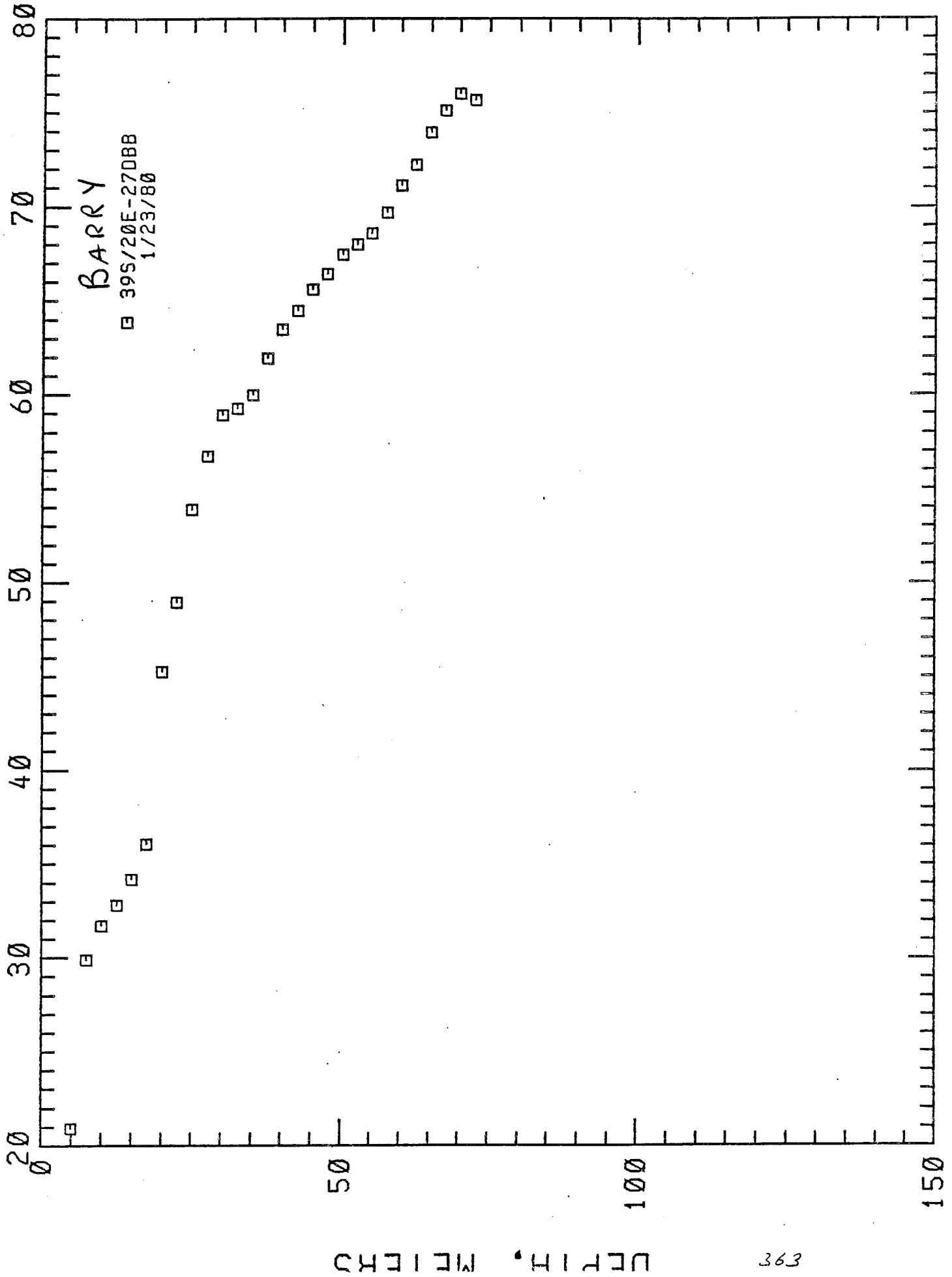
DEPTH METERS

DEPTH FEET

GEOTHERMAL GRADIENT
DEG C/KM 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	20.940	69.69	0.0	0.0
7.5	24.6	29.900	85.82	3584.0	196.7
10.0	32.8	31.710	89.08	724.0	39.7
12.5	41.0	32.810	91.06	440.0	24.1
15.0	49.2	34.210	93.58	560.0	30.7
17.5	57.4	36.090	96.96	752.0	41.3
20.0	65.6	45.270	113.49	3672.0	201.5
22.5	73.8	48.970	120.15	1480.0	81.2
25.0	82.0	53.920	129.06	1980.0	108.7
27.5	90.2	56.740	134.13	1128.0	61.9
30.0	98.4	58.940	138.09	880.0	48.3
32.5	106.6	59.290	138.72	140.0	7.7
35.0	114.8	60.010	140.02	288.0	15.8
37.5	123.0	61.960	143.53	780.0	42.8
40.0	131.2	63.500	146.30	616.0	33.8
42.5	139.4	64.510	148.12	404.0	22.2
45.0	147.6	65.630	150.13	448.0	24.6
47.5	155.8	66.440	151.59	324.0	17.8
50.0	164.0	67.500	153.50	424.0	23.3
52.5	172.2	68.020	154.44	208.0	11.4
55.0	180.4	69.710	155.52	240.0	13.2
57.5	188.6	71.150	157.48	436.0	23.9
60.0	196.8	72.260	160.07	576.0	31.6
62.5	205.0	73.950	162.07	444.0	24.4
65.0	213.2	75.140	165.11	676.0	37.1
67.5	221.4	75.020	167.25	476.0	26.1
70.0	229.6	75.690	168.84	352.0	19.3
72.5	237.8		168.24	-132.0	-7.2

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: Klamath Falls AMS, ORE

39S/20E-27DBB

HOLE NAME: BARRY

DATE MEASURED: 4/18/80

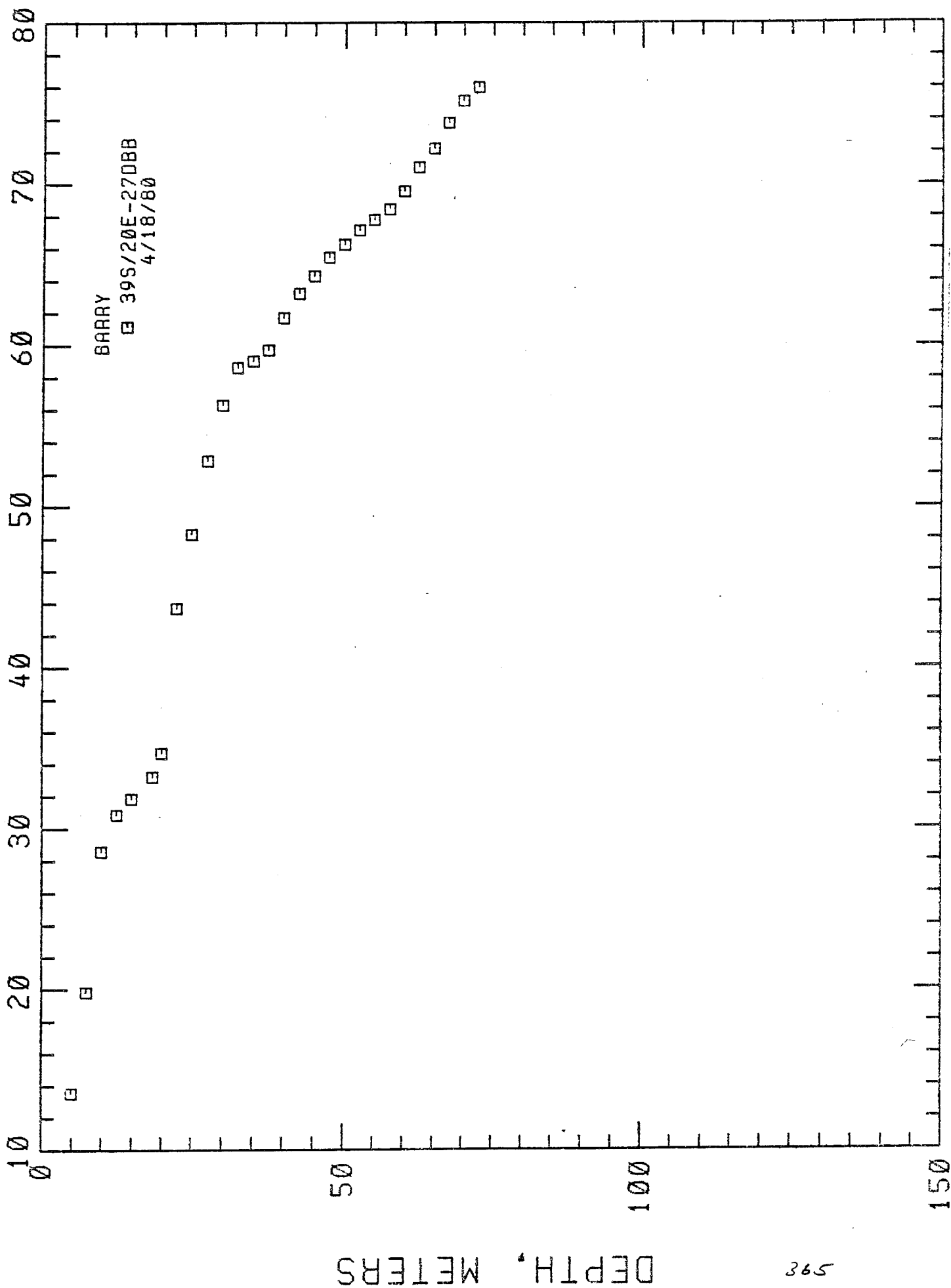
DEPTH
FEET

DEPTH
METERS

GEOTHERMAL GRADIENT
DEG C/KM DEG F/100 FT

5.5	16.4	13.560	56.41	0.0	0.0
7.0	24.6	19.850	67.73	2516.0	138.1
10.0	32.8	28.610	83.50	3504.0	192.3
12.5	41.0	30.870	87.57	404.0	49.6
15.0	49.2	31.870	89.37	400.0	22.0
18.0	60.7	33.220	91.80	385.7	21.2
20.0	65.6	34.730	94.51	1006.7	55.2
22.5	73.8	43.720	110.70	3596.0	197.3
25.0	82.0	48.310	118.96	1836.0	100.8
27.5	90.2	52.880	127.18	1828.0	100.3
30.0	98.4	56.330	133.39	1380.0	75.7
32.5	106.6	58.640	137.55	924.0	50.7
35.0	114.8	59.020	138.24	152.0	8.3
37.5	123.0	59.720	139.50	280.0	15.4
40.0	131.2	61.730	143.11	804.0	44.1
42.5	139.4	63.220	145.80	596.0	32.7
45.0	147.6	64.310	147.76	436.0	23.9
47.5	155.8	65.460	149.83	460.0	25.2
50.0	164.0	66.270	151.29	324.0	17.8
52.5	172.2	67.150	152.87	352.0	19.3
55.0	180.4	67.810	154.06	264.0	14.5
57.5	188.6	68.440	155.19	252.0	13.8
60.0	196.8	69.550	157.19	444.0	24.4
62.5	205.0	71.030	159.85	592.0	32.5
65.0	213.2	72.210	161.98	472.0	25.9
67.5	221.4	73.790	164.82	632.0	34.7
70.0	229.6	75.140	167.25	540.0	29.6
72.5	237.8	76.000	168.80	344.0	18.9

TEMPERATURE, DEG C



DEPTH, METERS

LOCATION: KLAMATH FALLS AMS. ORE

41S/20E-10AD

HOLE NAME: ROCKFRD1

DATE MEASURED: 6/9/80

DEPTH
FEET

TEMPERATURE
DEG C

DEG F

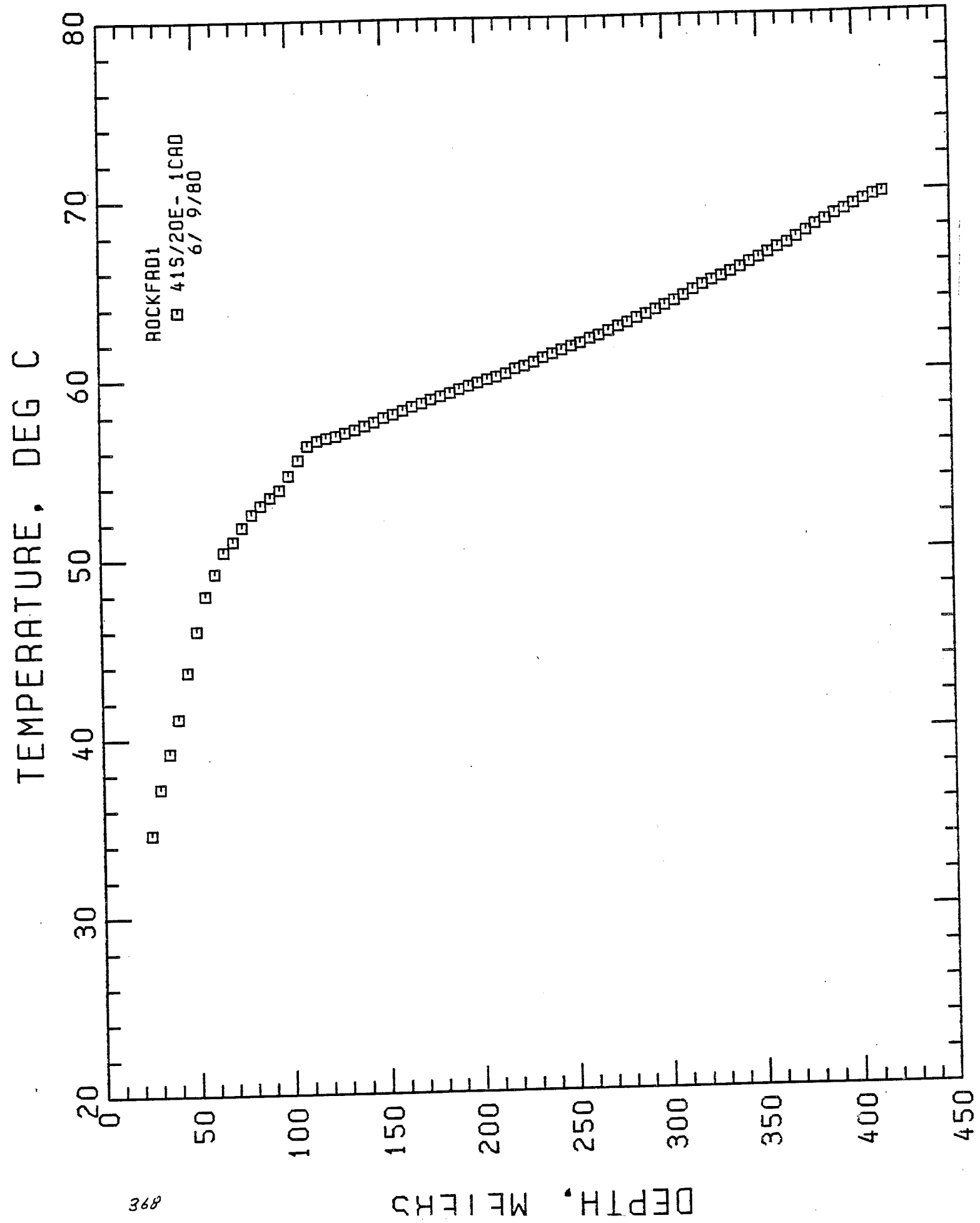
GEOTHERMAL GRADIENT
DEG C/KM

DEG F/100 FT

25.0	82.0	34.690	94.44	0.0	0.0
30.0	98.4	37.230	99.01	508.0	27.9
35.0	114.8	39.240	102.63	402.0	22.1
40.0	131.2	41.170	106.11	386.0	21.2
45.0	147.6	43.750	110.75	516.0	28.3
50.0	164.0	46.070	114.93	464.0	25.5
55.0	180.4	48.010	118.42	388.0	21.3
60.0	196.8	49.260	120.67	250.0	13.7
65.0	213.2	50.440	122.79	236.0	13.0
70.0	229.6	51.040	123.87	120.0	6.6
75.0	246.0	51.800	125.24	152.0	8.3
80.0	262.4	52.540	126.57	148.0	8.1
85.0	278.8	53.030	127.45	98.0	5.4
90.0	295.2	53.470	128.25	88.0	4.8
95.0	311.6	53.890	129.00	84.0	4.6
100.0	328.0	54.670	130.41	156.0	8.6
105.0	344.4	55.520	131.94	170.0	9.8
110.0	360.8	56.320	133.38	160.0	8.8
115.0	377.2	56.580	133.84	52.0	2.9
120.0	393.6	56.720	134.10	28.0	1.5
125.0	410.0	56.830	134.29	22.0	1.2
130.0	426.4	57.000	134.60	34.0	1.9
135.0	442.8	57.160	134.89	32.0	1.8
140.0	459.2	57.380	135.28	44.0	2.2
145.0	475.6	57.580	135.64	40.0	2.2
150.0	492.0	57.800	136.04	44.0	2.2
155.0	508.4	58.000	136.40	40.0	2.2
160.0	524.8	58.200	136.76	40.0	2.2
165.0	541.2	58.390	137.10	38.0	2.1
170.0	557.6	58.580	137.44	38.0	2.2
175.0	574.0	58.780	137.80	40.0	2.2
180.0	590.4	58.940	138.09	32.0	1.8
185.0	606.8	59.110	138.40	34.0	2.4
190.0	623.2	59.330	138.79	44.0	2.4
195.0	639.6	59.510	139.12	36.0	2.0
200.0	656.0	59.670	139.41	32.0	1.8
205.0	672.4	59.840	139.71	34.0	1.9
210.0	688.8	59.990	139.98	30.0	1.6
215.0	705.2	60.160	140.29	34.0	1.9
220.0	721.6	60.410	140.74	50.0	2.7
225.0	738.0	60.560	141.01	30.0	1.6

HOLE NAME: 41S/20E-10AD
DATE MEASURED: 6/9/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT DEG C/KM	DEG F/100 FT
		DEG C	DEG F		
230.0	754.4	60.780	141.40	44.0	4.5
235.0	770.8	61.010	141.82	46.0	2.2
240.0	787.2	61.210	142.18	40.0	2.2
245.0	803.6	61.420	142.56	42.0	2.3
250.0	820.0	61.610	142.90	38.0	2.3
255.0	836.4	61.790	143.22	36.0	1.0
260.0	852.8	62.020	143.64	46.0	5.5
265.0	869.2	62.220	144.00	40.0	2.4
270.0	885.6	62.440	144.39	44.0	5.5
275.0	902.0	62.670	144.81	46.0	2.4
280.0	918.4	62.880	145.18	42.0	2.5
285.0	934.8	63.140	145.65	52.0	2.5
290.0	951.2	63.340	146.01	40.0	2.5
295.0	967.6	63.580	146.44	48.0	2.6
300.0	984.0	63.810	146.86	46.0	2.6
305.0	1000.4	64.070	147.33	52.0	2.6
310.0	1016.8	64.340	147.81	54.0	2.6
315.0	1033.2	64.630	148.33	58.0	2.6
320.0	1049.6	64.920	148.86	58.0	2.6
325.0	1066.0	65.140	149.25	44.0	2.6
330.0	1082.4	65.360	149.65	44.0	2.6
335.0	1098.8	65.600	150.08	48.0	4.4
340.0	1115.2	65.840	150.51	48.0	4.4
345.0	1131.6	66.110	151.00	54.0	4.6
350.0	1148.0	66.340	151.41	46.0	4.6
355.0	1164.4	66.640	151.95	60.0	6.3
360.0	1180.8	66.890	152.40	50.0	5.0
365.0	1197.2	67.140	152.85	50.0	5.0
370.0	1213.6	67.460	153.43	64.0	7.0
375.0	1230.0	67.810	154.06	70.0	7.0
380.0	1246.4	68.120	154.62	62.0	6.3
385.0	1262.8	68.420	155.16	60.0	6.3
390.0	1279.2	68.710	155.68	58.0	6.3
395.0	1295.6	68.950	156.11	48.0	5.4
400.0	1312.0	69.220	156.60	54.0	6.0
405.0	1328.4	69.510	157.12	58.0	6.0
410.0	1344.8	69.750	157.55	48.0	5.4
415.0	1361.2	69.900	157.82	30.0	1.6



LOCATION: KLAMATH FALLS AMS, ORE

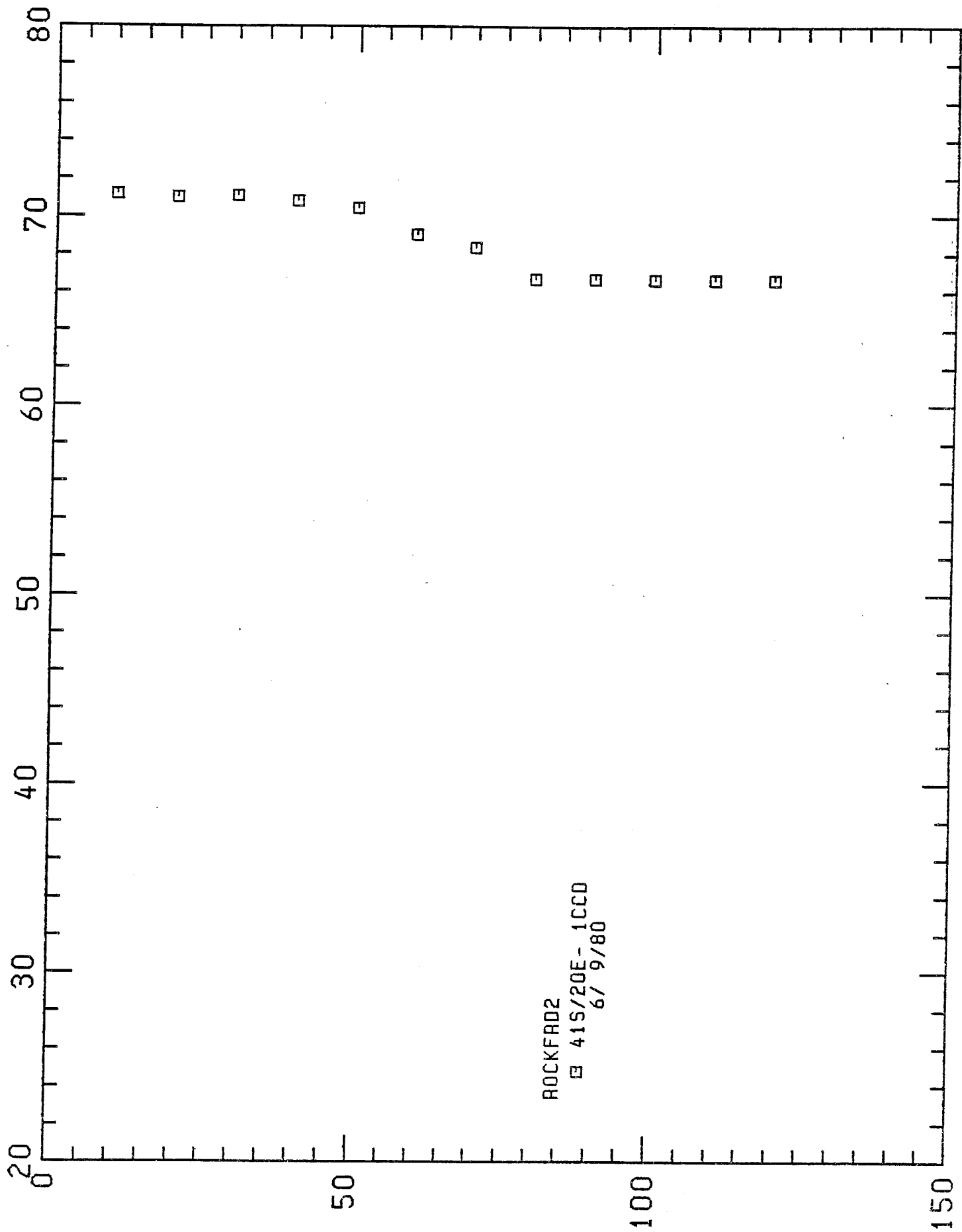
41S/20E- 10CD

HOLE NAME: ROCKFRD2

DATE MEASURED: 6/ 9/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	71.180	160.12	0.0	0.0
20.0	65.6	71.030	159.85	-15.0	-0.8
30.0	98.4	71.070	159.93	4.0	0.2
40.0	131.2	70.800	159.44	-27.0	-1.5
50.0	164.0	70.440	158.79	-36.0	-2.0
60.0	196.8	69.030	156.25	-141.0	-7.7
70.0	229.6	68.350	155.03	-68.0	-3.7
80.0	262.4	66.700	152.06	-165.0	-9.1
90.0	295.2	66.700	152.06	0.0	0.0
100.0	328.0	66.670	152.01	-3.0	-0.2
110.0	360.8	66.670	152.01	0.0	0.0
120.0	393.6	66.660	151.99	-1.0	-0.1

TEMPERATURE, DEG C



ROCKFORD
41S/20E-1CCD
6/ 9/80

LOCATION: JORDAN VALLEY AMS, ORE

41S/41E-3BCB

HOLE NAME: BRETZ EX

DATE MEASURED: 5/30/80

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	12.410	54.34	0.0	0.0
20.0	65.6	12.850	55.13	44.0	2.4
30.0	98.4	13.660	56.59	81.0	4.4
40.0	131.2	14.170	57.51	51.0	2.8
50.0	164.0	15.120	59.22	95.0	5.2
60.0	196.8	15.880	60.58	76.0	4.2
70.0	229.6	16.400	61.52	52.0	2.9
80.0	262.4	16.940	62.49	54.0	3.0
90.0	295.2	17.610	63.70	67.0	3.7
95.0	311.6	17.820	64.08	42.0	2.3
100.0	328.0	18.260	64.87	88.0	4.8
105.0	344.4	18.510	65.32	50.0	2.7
110.0	360.8	18.700	65.66	38.0	2.1
115.0	377.2	18.800	65.84	20.0	1.1

TEMPERATURE, DEG C

0

372

10

15

20

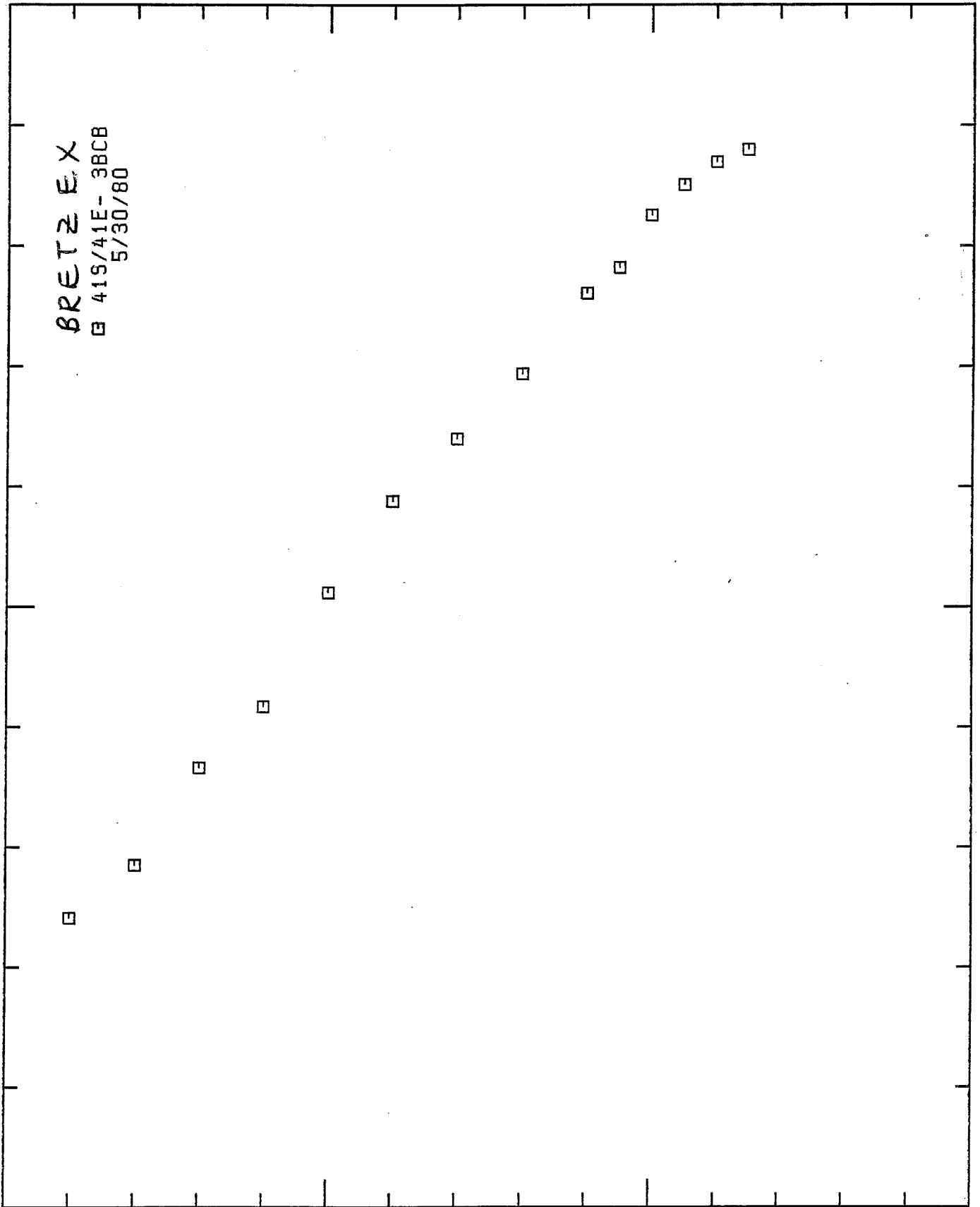
DEPTH, METERS

50

100

150

BRETZ EX
419/41E-3BCB
5/30/80



LOCATION: JORDAN VALLEY AMS, ORE

HOLE NAME: 41S/41E- 3BDA

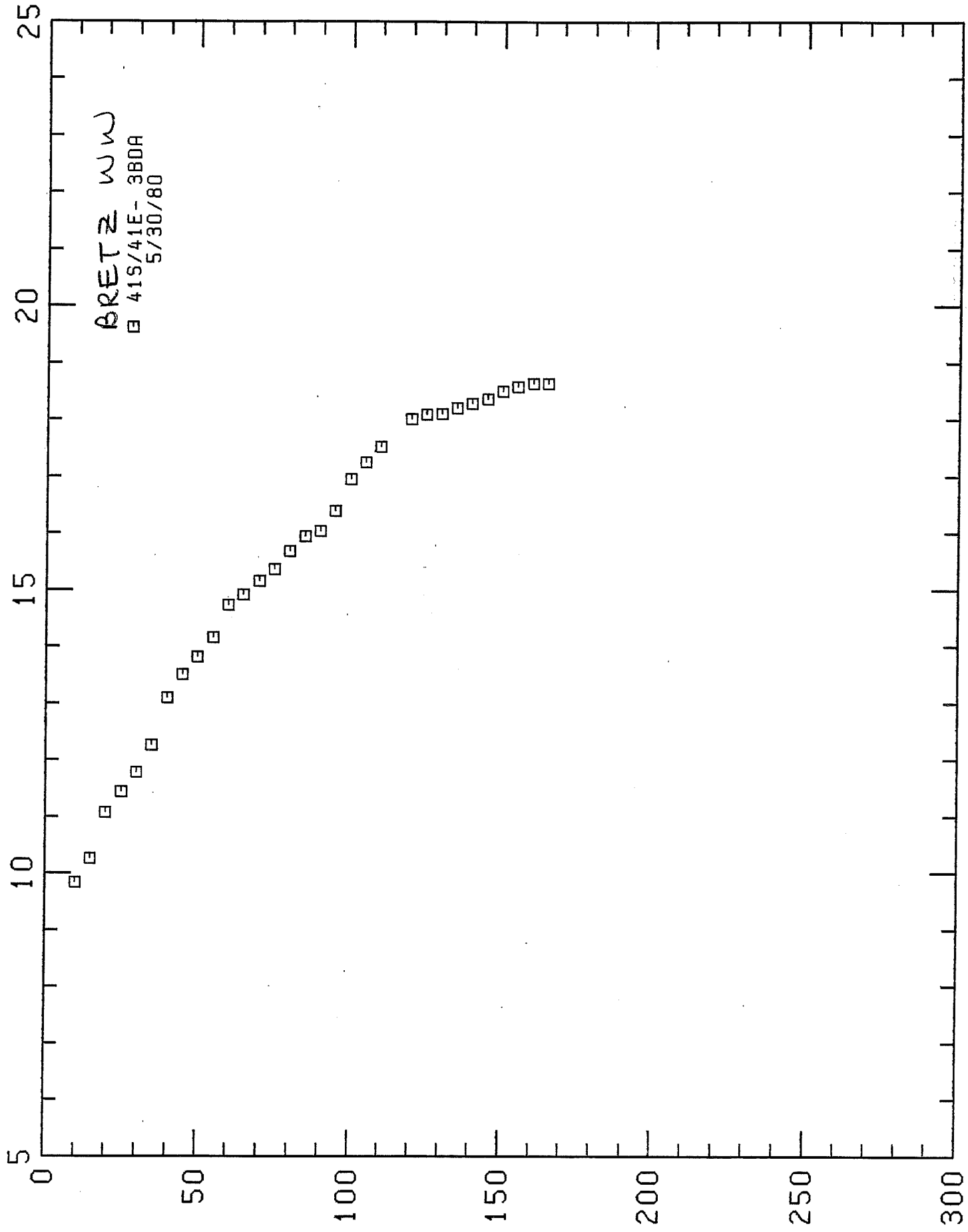
DATE MEASURED: 5/30/80

MEASURED BY: BREITZ MW

DEPTH METERS	DEPTH FEET	TEMPERATURE		GEOTHERMAL GRADIENT	
		DEG C	DEG F	DEG C/KM	DEG F/100 FT
10.0	32.8	9.840	49.71	0.0	0.0
15.0	49.2	10.270	50.49	86.0	4.7
20.0	65.6	11.080	51.94	162.0	8.9
25.0	82.0	11.440	52.59	72.0	4.0
30.0	98.4	11.790	53.22	70.0	3.8
35.0	114.8	12.270	54.09	96.0	5.3
40.0	131.2	13.100	55.58	166.0	9.1
45.0	147.6	13.510	56.32	82.0	4.5
50.0	164.0	13.820	56.88	62.0	3.4
55.0	180.4	14.170	57.51	70.0	3.8
60.0	196.8	14.740	58.53	114.0	6.3
65.0	213.2	14.920	58.86	36.0	2.0
70.0	229.6	15.160	59.29	48.0	2.6
75.0	246.0	15.360	59.65	40.0	2.2
80.0	262.4	15.690	60.24	66.0	3.6
85.0	278.8	15.950	60.71	52.0	2.9
90.0	295.2	16.040	60.87	18.0	1.0
95.0	311.6	16.390	61.50	70.0	3.8
100.0	328.0	16.950	62.51	112.0	6.1
105.0	344.4	17.250	63.05	60.0	3.3
110.0	360.8	17.530	63.55	56.0	3.1
120.0	393.6	18.020	64.44	49.0	2.7
125.0	410.0	18.100	64.58	16.0	0.9
130.0	426.4	18.110	64.60	2.0	0.1
135.0	442.8	18.210	64.78	20.0	1.1
140.0	459.2	18.290	64.92	16.0	0.9
145.0	475.6	18.370	65.07	16.0	0.9
150.0	492.0	18.510	65.32	28.0	1.5
155.0	508.4	18.590	65.46	16.0	0.9
160.0	524.8	18.650	65.57	12.0	0.7
165.0	541.2	18.650	65.57	0.0	0.0

TEMPERATURE, DEG C

BRETZ WW
41S/41E-380A
5/30/80



DEPTH, METERS

