

DRILL HOLE DATA SHEETHole Number: L-7Type of Hole: Shallow thermal gradient wellLocation: County Napa State CaliforniaDescription NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 6 Township 9NRange 6W Meridian MDM Elevation 1,960'Surface Ownership: Fee - Charles P. Scott (620-3006)Minerals Ownership: Fee - Charles P. Scott (620-3006)Date of: Spud in 8-7-75 Drilling Completed 8-7-75Completion 9-2-75 Abandonment 3-26-76Depth: Permitted 150 m Actual 500'Drilling Information: Lith Log and Temperature/Depth Log attachedWater Encountered: None

Bond Number

Agency Permit Number

AMAX Permit Number

Federal		
State	BND 2-02-60-14	N/A
County	N/A	U-467475
		CA-OG-2007
		CA-NA-3001

Activity

Date

By

Cost of Survey
Support Cost

Drilled	8-7-75	Pitcher Drilling Company	
TG Logging	8-29-75	AMAX	

Total

LITHOLOGIC LOG

PROPERTY: LIVERMORE 7
Section 6 T9N R6W

ELEVATION: 1960'
Drilled: 8-7-75

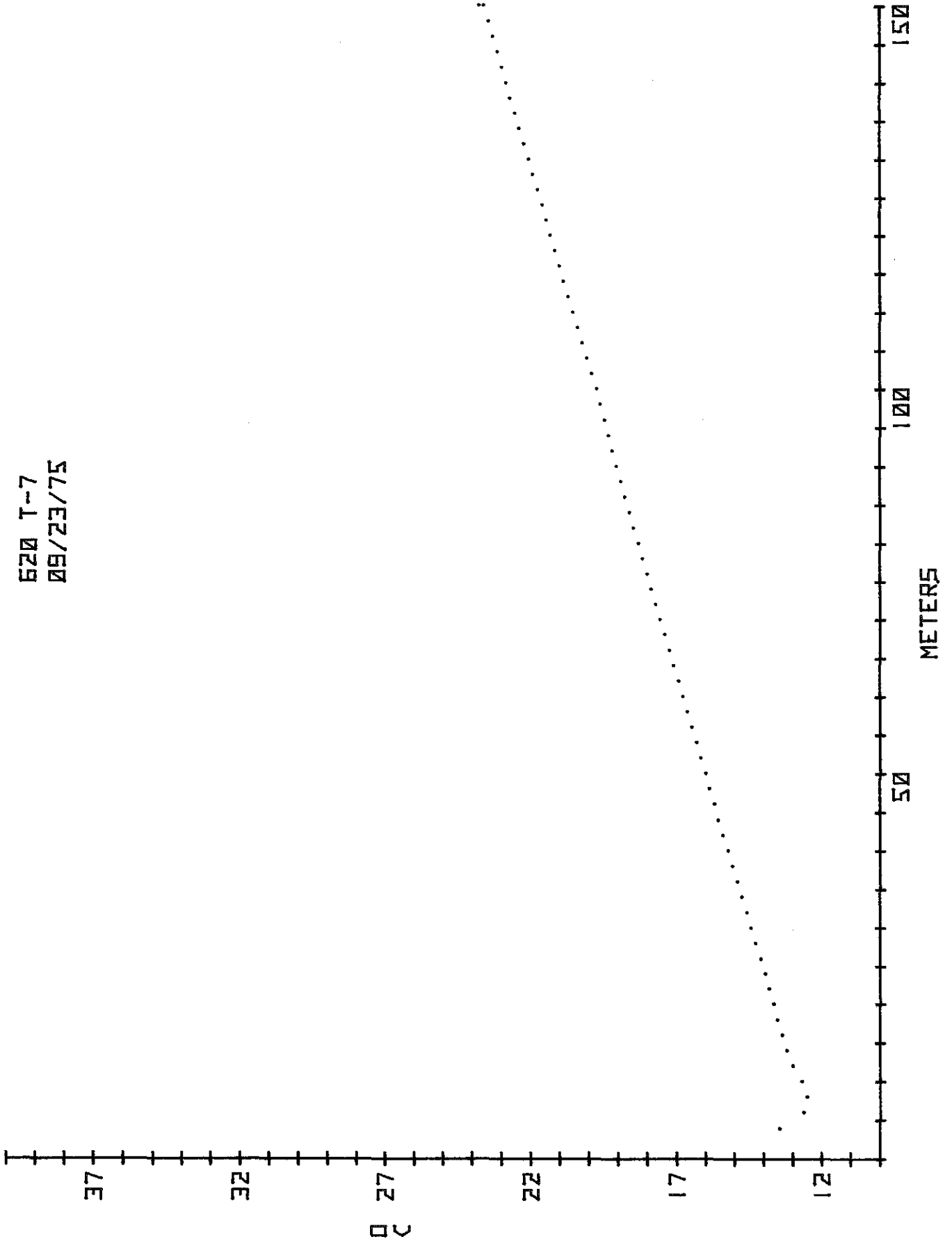
Feet	Description
0-12	Gravel and boulders
12-60	Weathered tuff
60-500	Shale (interbedded with small amounts of sandstone; very small percent of serpentine)

TEMPERATURE VS DEPTH LOG FOR WELL-620 T-7
09/23/75

L-7

DEPTH METERS	TEMPERATURE DEGREES C	GRADIENT C/KM
4	13.45	-402.5
6	12.645	-62.5
8	12.52	95
10	12.71	142.5
12	12.995	107.5
14	13.21	75
16	13.36	82.5
18	13.525	75
20	13.675	72.5
22	13.82	72.5
24	13.965	75
26	14.115	85
28	14.285	80
30	14.445	70
32	14.585	85
34	14.755	85
36	14.925	80
38	15.085	82.5
40	15.25	85
42	15.42	80
44	15.58	67.5
46	15.715	75
48	15.865	82.5
50	16.03	77.5
52	16.185	75
54	16.335	80
56	16.495	77.5
58	16.65	75
60	16.8	75
62	16.95	80
64	17.11	82.5
66	17.275	75
68	17.425	77.5
70	17.58	75
72	17.73	75
74	17.88	72.5
76	18.025	75
78	18.175	77.5
80	18.33	80
82	18.49	72.5
84	18.635	77.5
86	18.79	70
88	18.93	70
90	19.07	72.5
92	19.215	75
94	19.365	65
96	19.495	67.5
98	19.63	67.5
100	19.765	77.5
102	19.92	82.5
104	20.085	77.5
106	20.24	77.5
108	20.395	90
110	20.575	80
112	20.735	77.5
114	20.89	70
116	21.03	77.5
118	21.185	75
120	21.335	75
122	21.485	77.5
124	21.64	75
126	21.79	82.5
128	21.955	70
130	22.095	77.5
132	22.25	77.5
134	22.405	75
136	22.555	80
138	22.715	77.5
140	22.87	70
142	23.01	75
144	23.16	75
146	23.31	77.5
148	23.465	75
150	23.615	70
152	23.755	156.2828947

620 T-7
09/23/75



TEMPERATURE - DEPTH LOG

Location CALISTO SC MINE Date 8/27/75

Map DETECT RESEARCH MINE

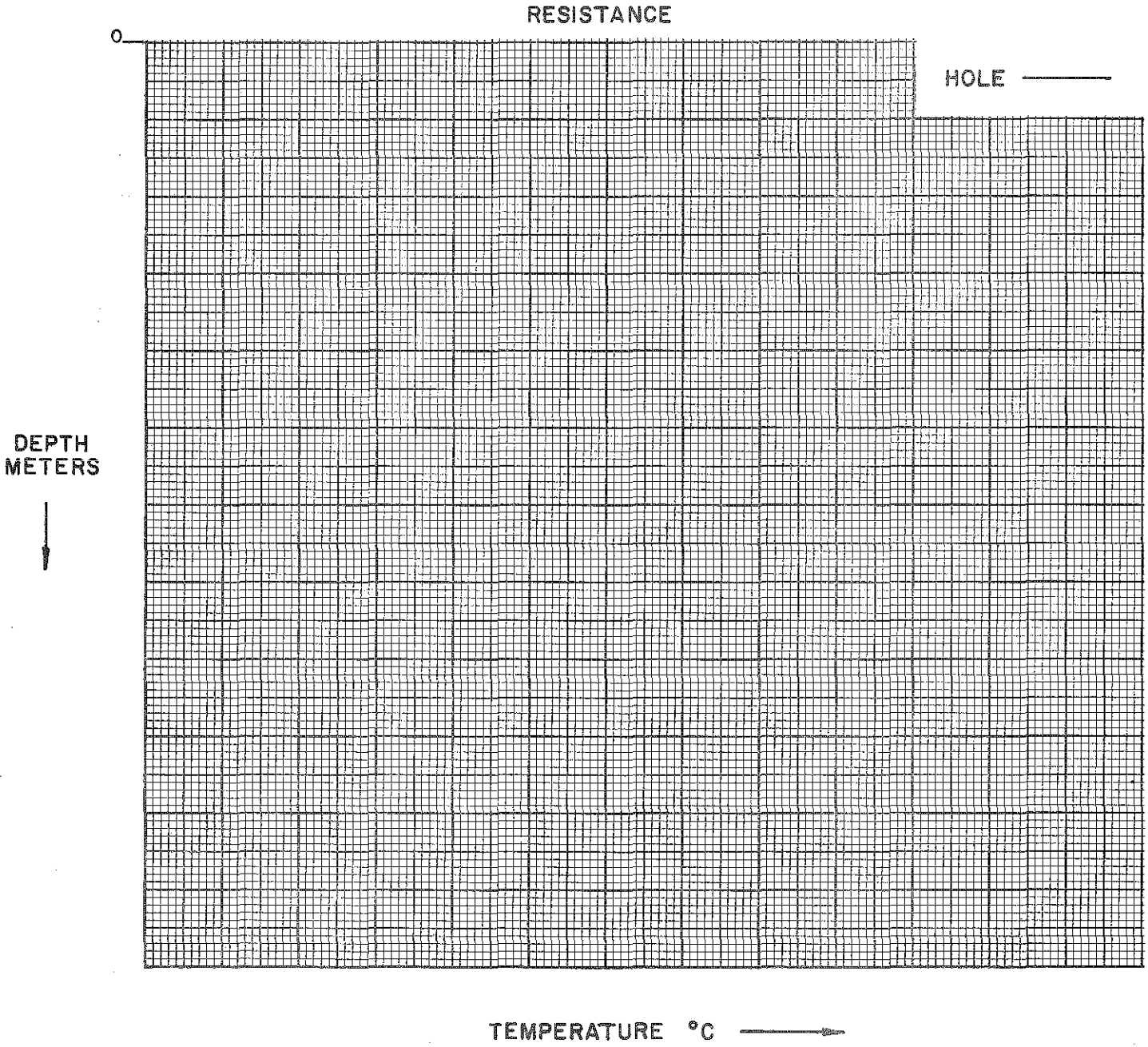
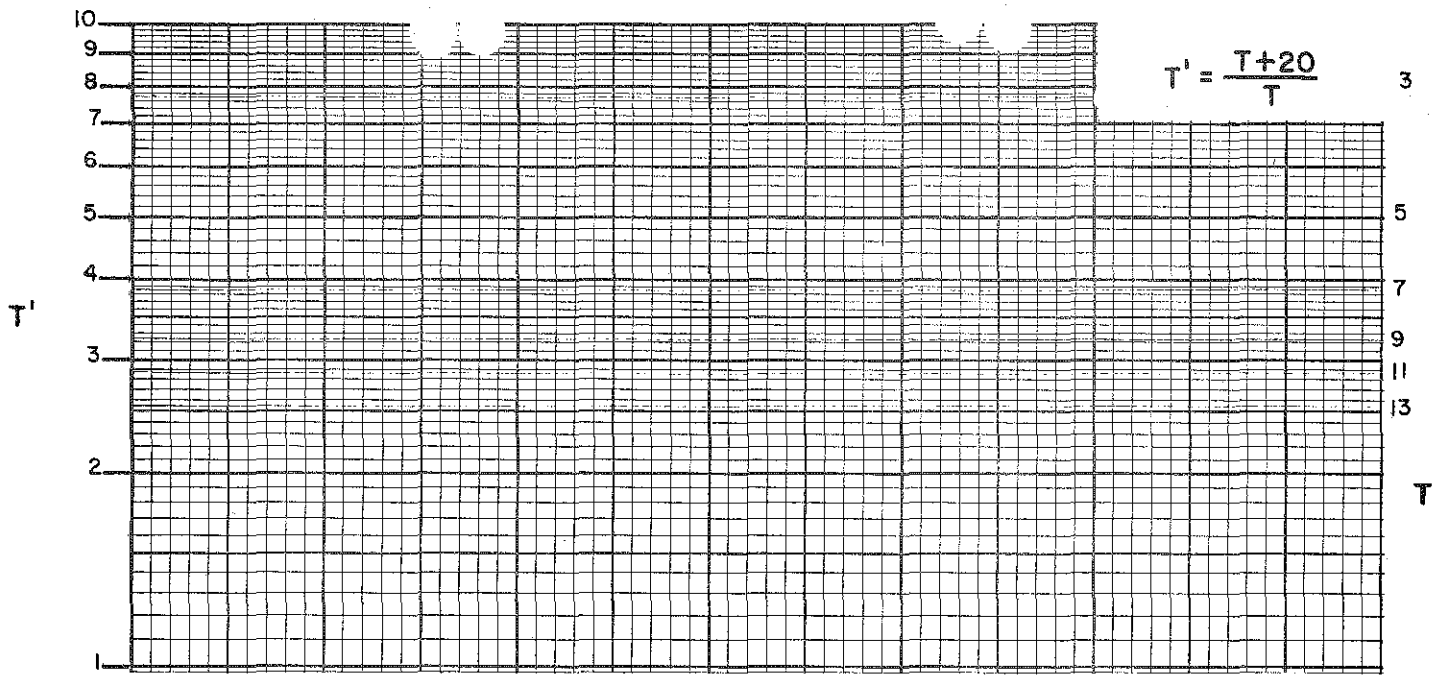
Property LIVERMORE T 37 R 22 sec 6

Drill Hole L-7 Date Drilled 8/17/75 Elevation 1960 ft.

Instrument FAOAE Operator SM

Comments _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
0	—				
1	5662	13.450			
2	5849	12.645		-402.5	
3	5879	12.520		-62.5	
4	5834	12.710		96	
5	5767	12.995		140.5	
6	5717	13.010		157.5	
7	5682	13.260		75	← AVE FROM 16m TO 150m
8	5640	13.605		82.5	(76.5)
9	5610	13.575		75	
10	5577	13.880		72.5	
11	5545	13.965		70.5	
12	5511	14.115		75	
13	5470	14.285		85	
14	5439	14.445		80	
15	5408	14.585		70	
16	5372	14.755		85	
17	5335	14.925		85	
18	5301	15.085		80	
19	5266	15.250		82.5	
20	5230	15.400		85	



TEMPERATURE - DEPTH LOG

Location _____ Date _____

Map _____

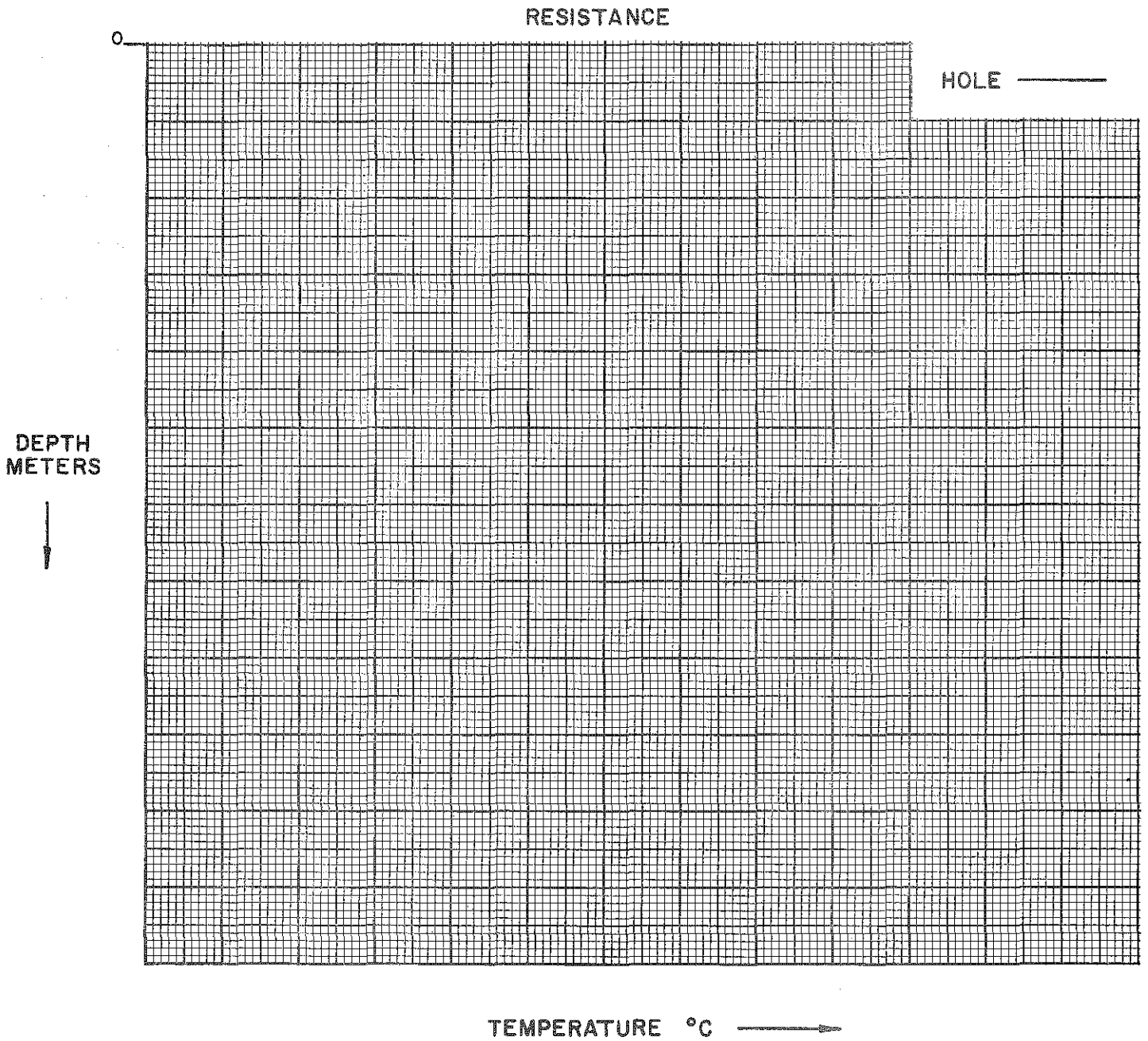
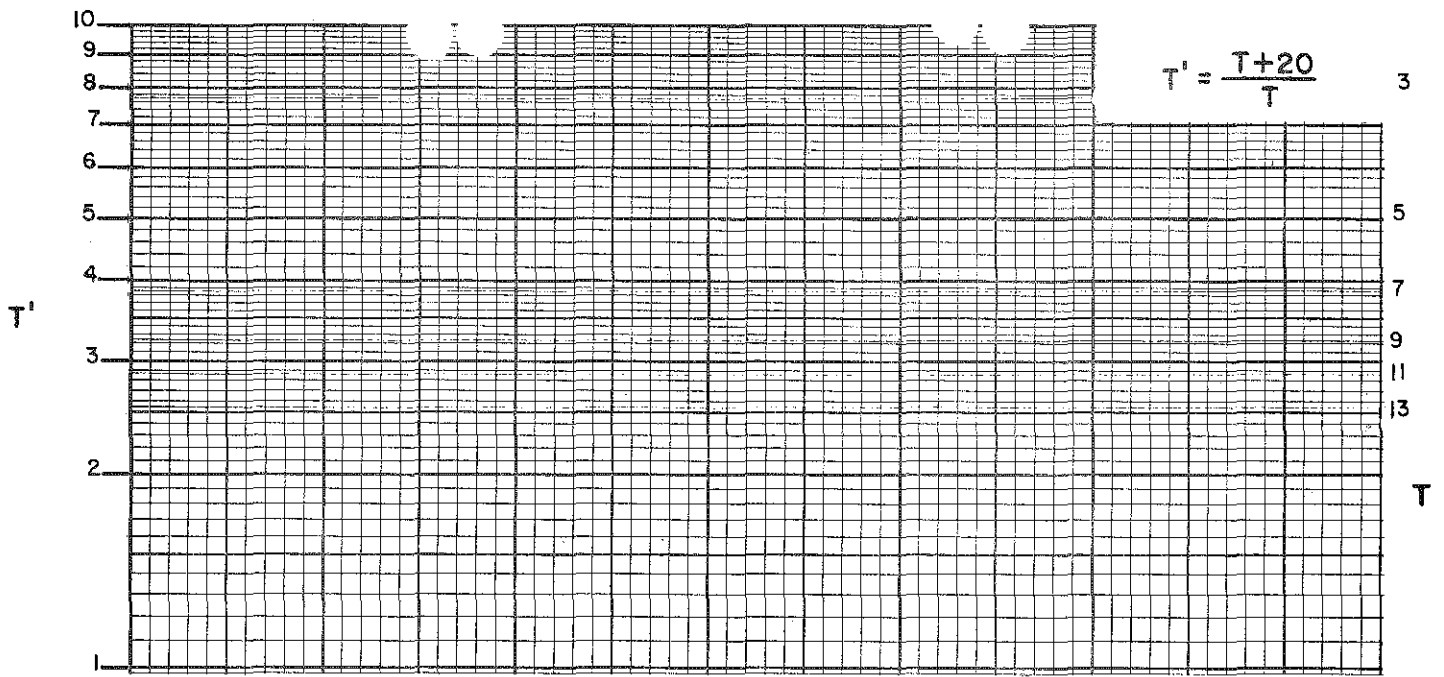
Property _____ T _____ R _____ sec _____

Drill Hole 4-7 Date Drilled _____ Elevation _____ ft.

Instrument _____ Operator _____

Comments _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
44	5177	15.590		80	
46	5169	15.715		67.5	
48	5138	15.845		75	
50	5105	16.030		80.5	
52	5073	16.185		77.5	
54	5043	16.325		75	
56	5011	16.495		80	
58	4981	16.650		77.5	
60	4951	16.800		75	
62	4922	16.950		75	
64	4891	17.10		80	
66	4859	17.075		80.5	
68	4829	17.145		75	
70	4801	17.330		77.5	
72	4773	17.730		75	
74	4745	17.880		75	
76	4718	18.005		76.5	
78	4690	18.175		75	
80	4662	18.330		77.5	
82	4633	18.490		80	
84	4606	18.635		77.5	



TEMPERATURE - DEPTH LOG

Location _____ Date _____

Map _____

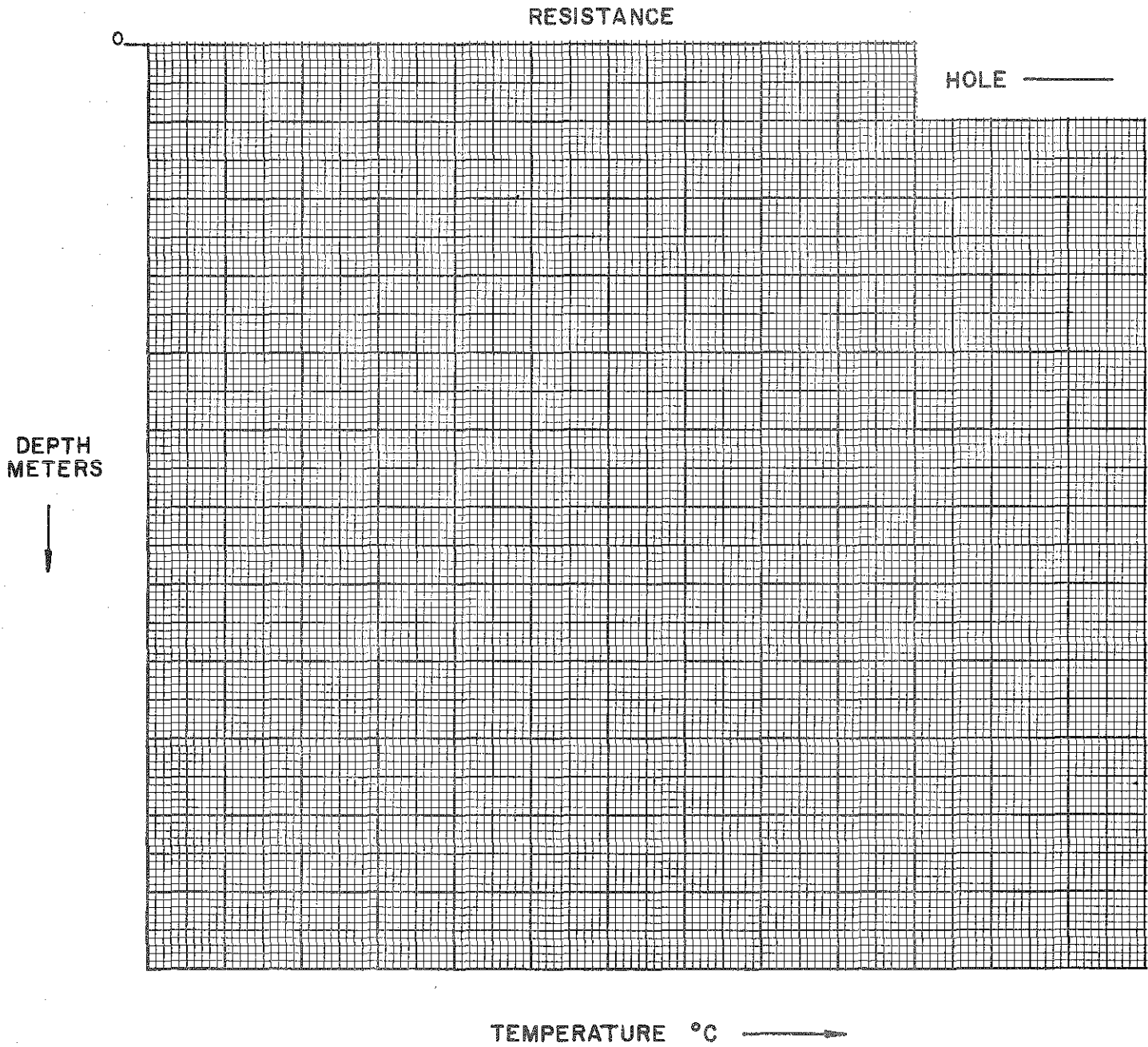
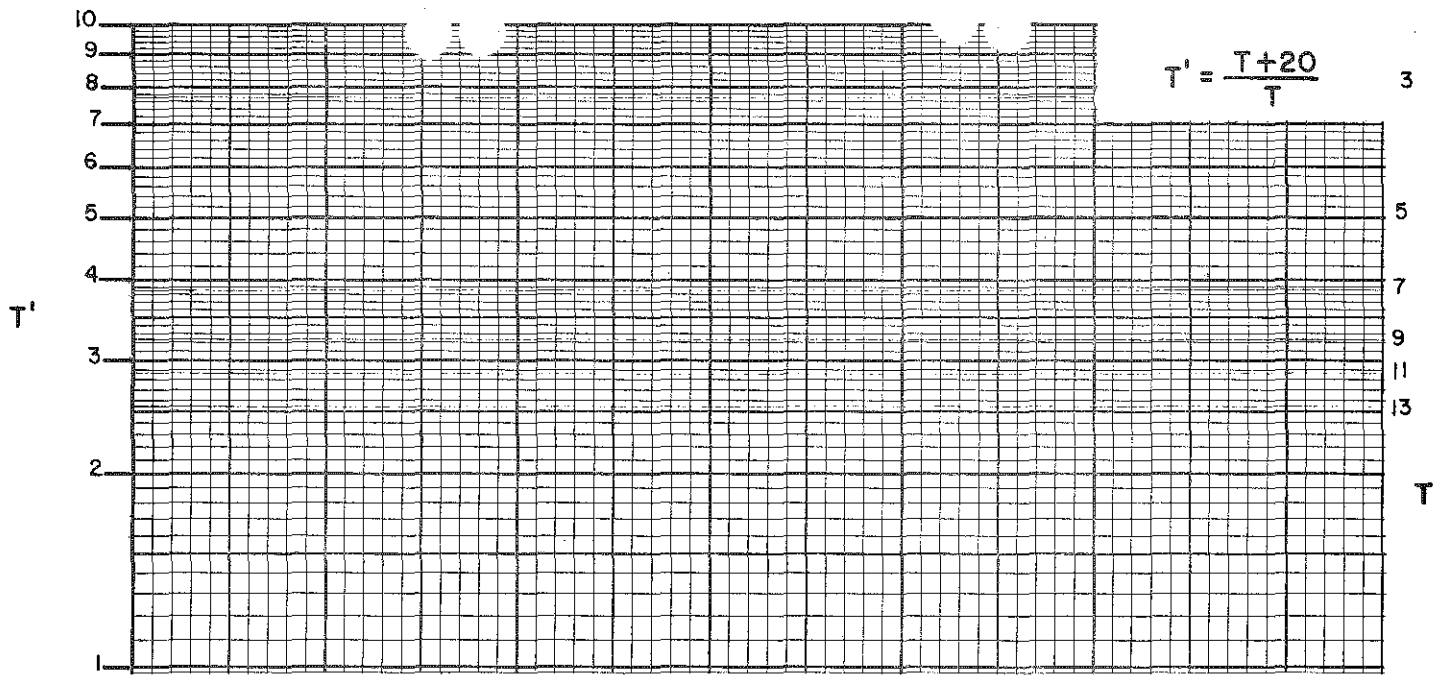
Property _____ T _____ R _____ sec _____

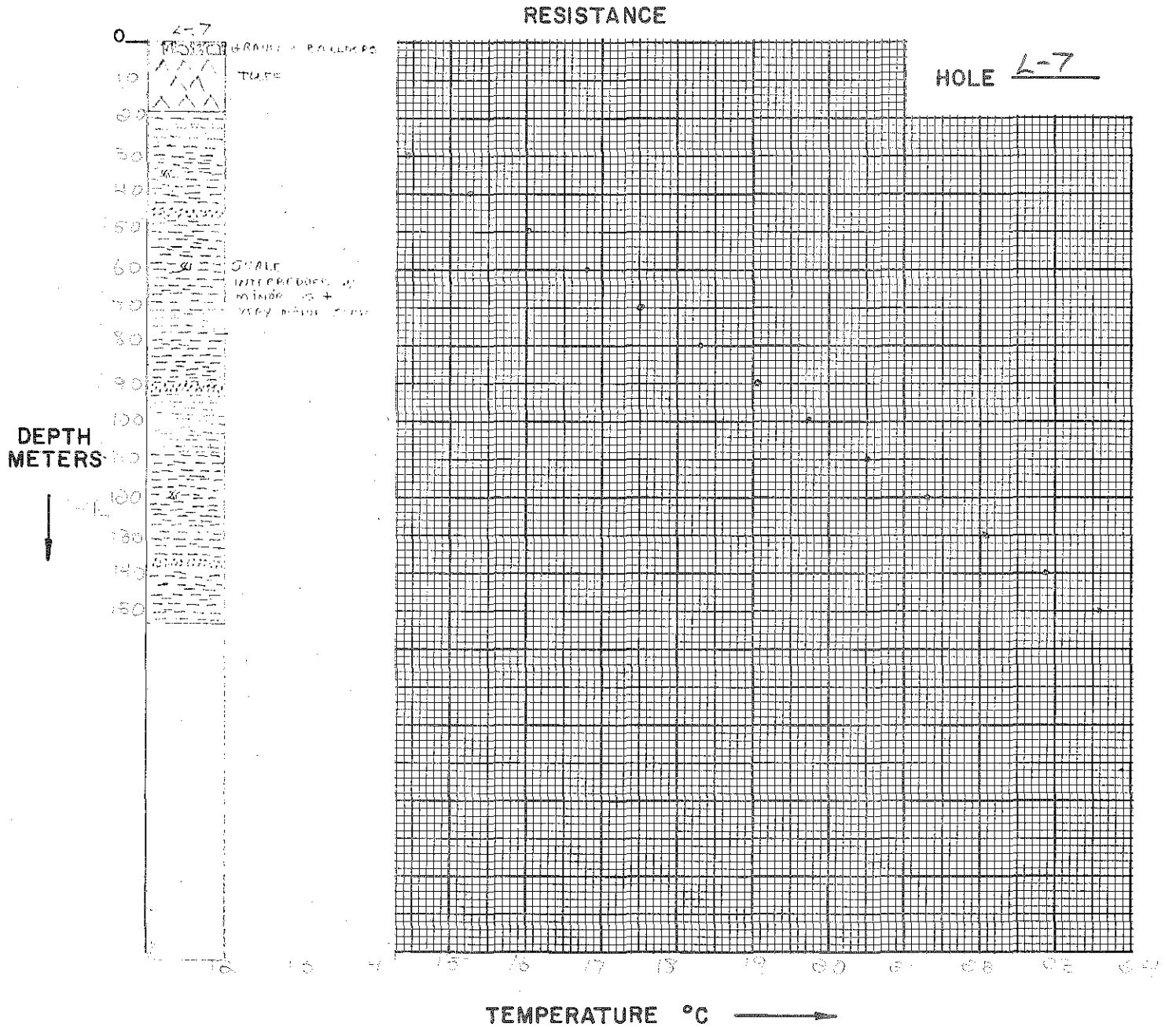
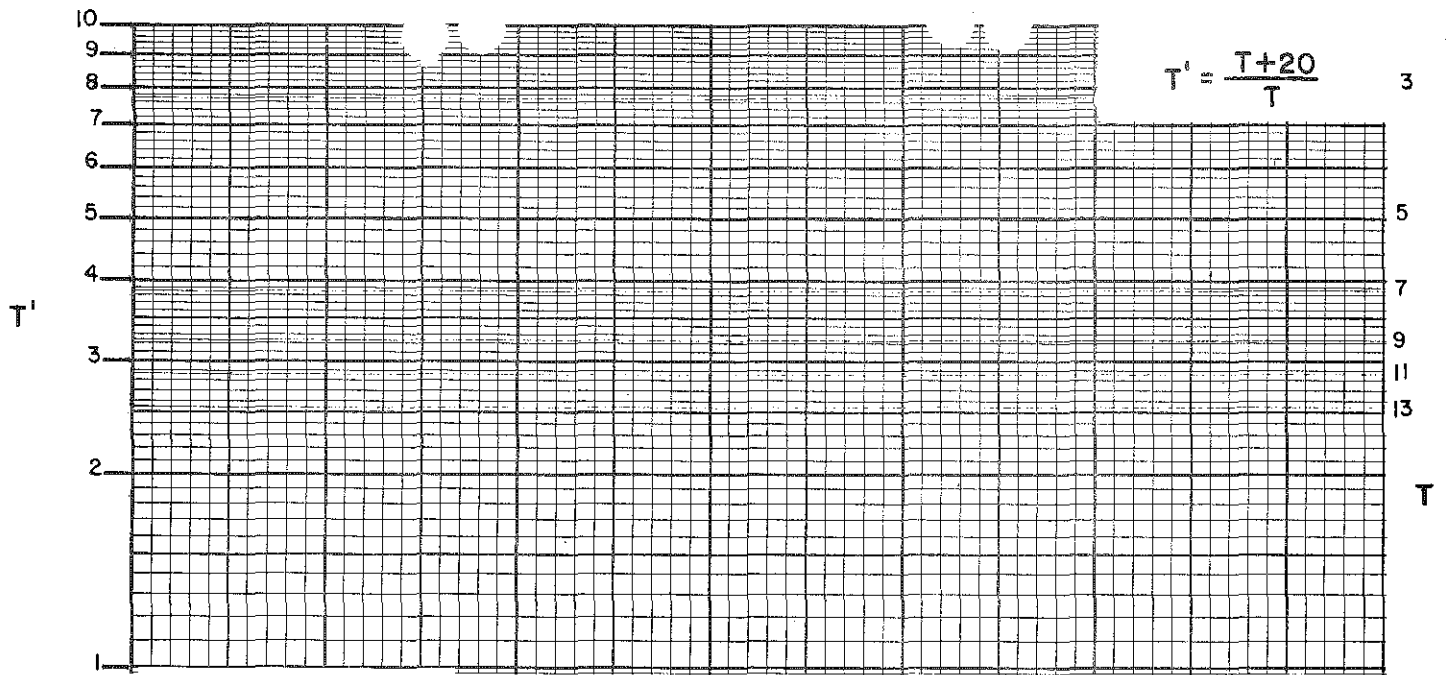
Drill Hole L-7 Date Drilled _____ Elevation _____ ft.

Instrument _____ Operator _____

Comments _____

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
86	4579	18.790		77.5	
88	4554	18.930		70	
90	4589	19.070		70	
92	4563	19.215		72.5	
94	4477	19.365		75	
96	4455	19.495		65	
98	4431	19.630		67.5	
100	4408	19.765		67.5	
102	4382	19.920		77.5	
104	4354	20.095		82.5	
106	4328	20.240		77.5	
108	4302	20.395		77.5	
110	4272	20.575		70	
112	4246	20.735		80	
114	4221	20.890		77.5	
116	4198	21.030		70	
118	4173	21.185		77.5	
120	4149	21.335		75	
122	4125	21.485		75	
124	4101	21.640		77.5	
126	4077	21.790		75	





TEMPERATURE - DEPTH LOG

1 of 1

Location CAUSTORA, CALIF. Date 9/6/75

Map DESERT RESECTOR

Property LIVERMORE T 9N R 6W sec 6

Drill Hole L-7 Date Drilled 8/7/75 Elevation 1960 ft.

Instrument PRDSE Operator SM E J D

Comments 2ND RUN PIPE 88CM ABOVE GROUND

Depth (meters)	Instr. Reading	Temp. °C	ΔT	Gradient °C/Km Avg.	Comments
10	5863	13.590			
30	5640	13.545		95.5	
50	5465	14.385		78 ←	
40	5090	16.135		81	
50	5123	15.240		92.5	
60	4965	16.730		79	
70	4813	17.515		78.5	
80	4671	18.680		76.5	
90	4536	19.030		75	
100	4412	19.710		71	
110	4277	20.515		80.5	
120	4151	21.385		78	
130	4033	22.075		75	
140	3915	22.855		78	
150	3804	23.615		76	

30-150m AVG
77.5 °C / Km

