

Memorandum

DD-11

San Francisco, CA
February 1, 1978

SAN EMIDIO 1977 TEMPERATURE HOLE PROGRAM

During 1977 Chevron Resources conducted numerous temperature hole programs in the San Emidio Desert Prospect, Nevada. These programs were projected to evaluate recently acquired Fee Land and acreage which could be included in a unit package.

The 1977 temperature holes (Map 1) were drilled to a maximum depth of 500 feet with a minimum of 100 feet. Maximum temperature encountered in these holes was 232°F with an average gradient of $\approx 9^\circ\text{F}/100'$ (300-400') and $\approx 11^\circ\text{F}/100'$ (100-200'). In addition, shot holes drilled during the seismic program had temperature pipe installed and were also logged. Table 1 reflects data pertinent to the temperature holes drilled in 1977; in addition, complete temperature gradient plots (Appendix A) and lithology descriptions (Appendix B) are included in this report.

Water samples from two temperature holes were collected early in the 1977 program and analyzed by Skyline Laboratories (Appendix C). The results of the estimated base temperature calculations are:

Hole 1-A-77 (a twin of 1-77); water temp. 127°F; Spec. Cond. 6560 micromhos; T.D.S. 4,300 ppm; Na/K = 346°F; Na/K/Ca = 366°F; SiO₂ Max steam loss = 302°F, Min steam loss = 314°F. *52.7°C*

Hole 2-77 Water temp 78°F; Spec. Cond. 4,300 micromhos; T.D.S. 3,000 ppm; Na/K = 61°F; Na/K/Ca = 119°F; SiO₂ no steam loss 71°F. *25.6°C*

During 1977 a seismic survey was conducted in the prospect area during this survey. Chevron representatives Bob Bainer and I ran thermometers in numerous shot holes along the shot point lines (Map 2) to determine the maximum temperature in these holes (Appendix D).

Currently, additional temperature holes are being completed, and Mr. R. W. Butler will complete a final report of this prospect.

MARK KEHOE

MK:fm
Attachments

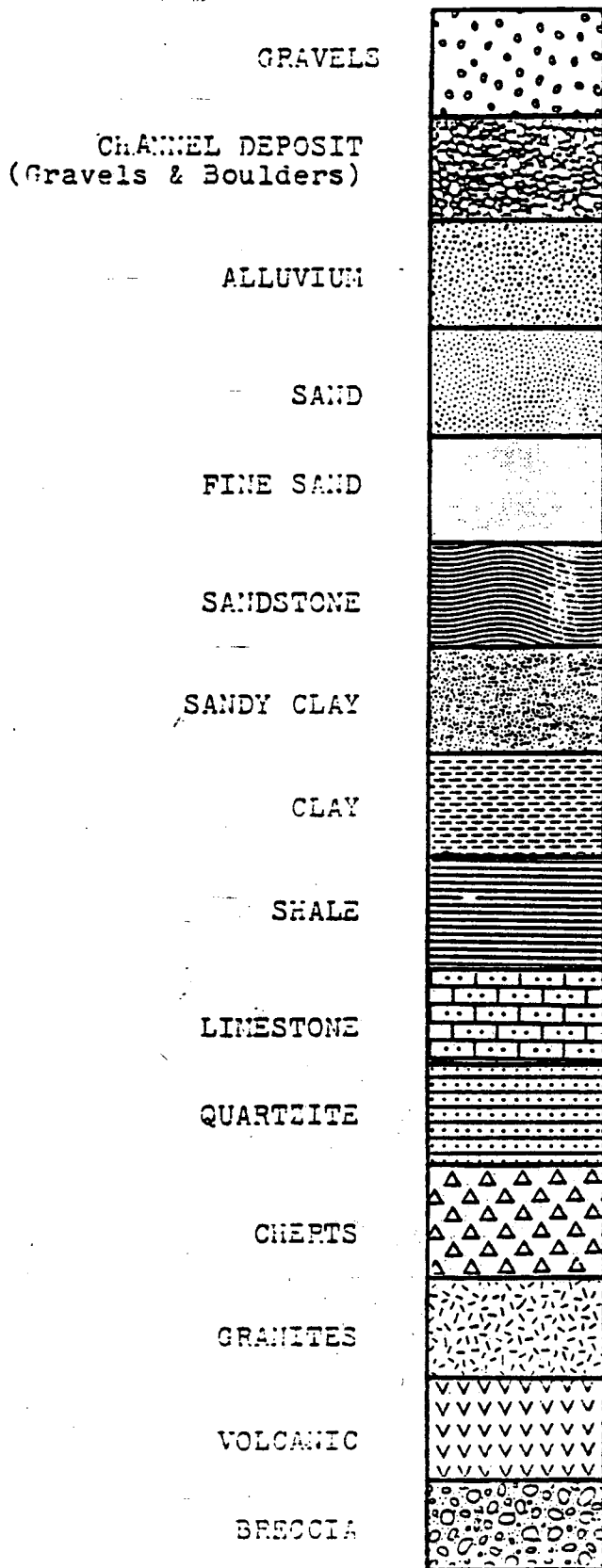
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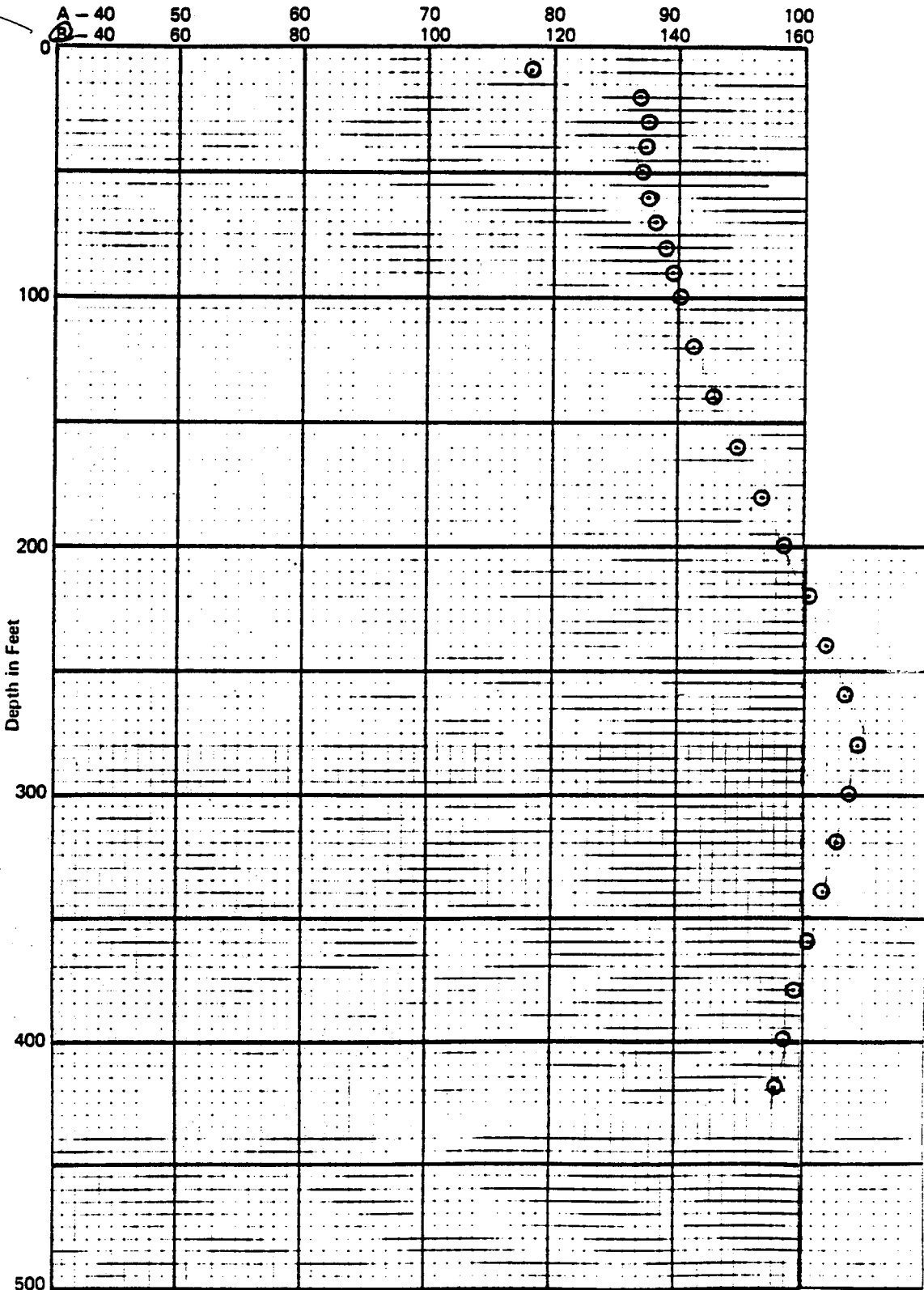
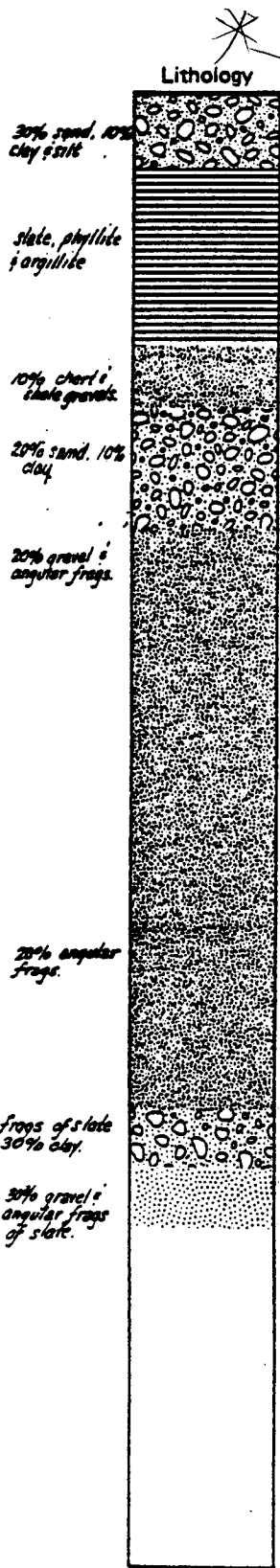


CHEVRON RESOURCES CO.
GEOHERMAL DIVISION

Prospect: San Emido
 State: Nevada
 Hole No.: 1-77
 Sec., 33 Twp., 39N Rgs.: 23E

Date Completed: 6-16-77
 Date Logged: 7-7-77
 Logged By: J. Elmer
 Temp. Probe: Chama

Temperature in °F
 (Circle Scale Used)



Approved: _____

R = reversal on T-Z profile

|—| = isothermal or reversal

-- = no data

() = TG Turn over T-Z

E = estimated

T hole #	Z	°F/100ft 50	°F/100ft 100	°F/100ft 200	°F/100ft 300	°F/100ft 400	°F/100ft 500	°F/100'	°F/200'	°F/300'	°F/400'	°F/500'	Comments
1-77	419	13	18	E18	—	—	—	140.2	157.3	R	R	—	R ~ 270'
2-77	491	7	7°	7°	7°	7°	7°	71.4	77.4	84.7	92	99	
3-77	492	16	7	6.8	11.2	11.2	11.2	95	101.2	109	120	131.8	
4-77	491	10.7	10.7	10.7	10.7	10.7	10.7	67.6	78.4	88.4	99	119.5	
5-77	421	32.6	—	—	13.8	E13.8	13.8	92.3	R	R	105.5	E127	R ~ 135 picks
6-77	492	11	8.0	11.3	11.3	11.3	11.3	78.4	86.2	97	108.5	119.9	up ~ 310'
7-77	415	8.2	6.2	6.2	6.2	E6.2	6.2	69.5	75.7	82.2	88.7	E95	
8-77	100	E184	80	—	—	—	—	(232.1)	—	—	—	—	() @ 75'
9-77	180	56	30	25	—	—	—	125.8	(E154)	—	—	—	() @ ~160'
10-77	210	46	18.5	—	—	—	—	125.8	(145.5)	—	—	—	() @ 100'
11-77	211	9	9	—	—	—	—	71.8	80.1	—	—	—	() @ ~90'
12-77	120	72	—	—	—	—	—	228.2	—	—	—	—	() @ ~90'
13-77	207	78	24.5	—	—	—	—	137.1	(164.7)	—	—	—	Picks up @ 120'
14SL-77	146	35	E88	—	—	—	—	122.0	—	—	—	—	
15SL-77	125	14.0	—	—	—	—	—	76.4	—	—	—	—	
16SL-77	35	—	—	—	—	—	—	—	—	—	—	—	
17SL-77	42	—	—	—	—	—	—	—	—	—	—	—	
18SL-77	58	—	—	—	—	—	—	—	—	—	—	—	
19SL-77	80	12.4	—	—	—	—	—	E72.6	—	—	—	—	
3-74-1	212	77	40	—	—	—	—	180°	222°	—	—	—	
3-74-3	78	50	—	—	—	—	—	274	—	—	—	—	
3-74-4	421	37	21.8	12.5	12.5	—	—	130	149.5	162.5	171.5	—	
3-74-5	208	5.1	5.1	—	—	—	—	64	69.5	—	—	—	
3-74-6	485	4.2	4.2	4.2	4.2	E4.2	4.2	63	68.8	71.4	75.5	79.9	
3-74-8	160	2.8	E2.8	—	—	—	—	59	E61.8	—	—	—	
3-74-9	89	E5.0	—	—	—	—	—	E67.9	—	—	—	—	
3-74-10	120	2.6	—	—	—	—	—	59.9	—	—	—	—	
3-74-12	450	1.0	1.0	2.7	2.7	E2.7	2.7	58.7	60	62.7	65.4	68	
3-74-13	212	E7.8	7.1	—	—	—	—	76.8	84	—	—	—	
3-74-14	375	2.5	2.5	2.5	E 2.5	—	—	57.8	60.5	62.7	E65.3	—	

T hole#	Z	°F										Comments
		100'	100'	100'	100'	100'	100'	100'	100'	100'	100'	
3-74-20	272	5.6	5.6	E5.6	—	—	63.9	70.4	E76.8	—	—	
21-78	496	1.9	1.9	1.9	1.9	3.2	59.1	60.1	63	65.2	69	TG picks up @ 400'
22-78	428	5.2	3.5	3.5	3.5	E3.5	65	69.5	73.2	76	—	
23-78	496	7.2	4.1	4.1	4.1	4.1	72.8	77.4	81.5	85.3	E89.6	
24-78	445	5.2	5.2	4.2	4.2	4.2	67	71	75.3	79.8	E83.8	
25-78	378	4.2	4.2	4.2	4.2	4.2	63.1	67.5	71.8	E75.8	—	
26-78	496	5	5	5	3.5	3.5	58.9	63.6	68.9	72.9	76.5	
27-78	495	5.8	5.8	5.8	5.8	5.8	64.4	70.7	75.9	82.1	88	
28-78	413	9.7	9.7	(3.5)	(3.5)	—	82.0	91.6	(96.3)	(98.7)	—	Turns over &
29-78	495	6.3	6.3	6.3	6.3	6.3	70.2	75.8	82.2	88	93.9	isothermal @ 21
30-78	455	5.4	5.4	5.4	3.2	E3.2	61.9	67.1	71.3	74.4	E77.4	
31-78	267	6.2	3.3	E3.3	—	—	65	70.2	—	—	—	
32-78	495	5.6	6.3	6.3	6.3	6.3	69.5	75.8	83.0	89.5	96	
33-78	496	7.0	4.6	4.6	4.6	4.6	66.9	71.7	76.1	80.7	84.8	
34-78	477	6.1	6.1	6.1	6.1	6.1	67.1	73.5	79.8	85.3	E92	
35-78	482	5.9	5.9	5.9	4.9	E4.9	67.0	73.4	78.9	83.7	E88.6	
36-78	435	5.2	5.2	5.2	5.2	5.2	63.1	68.3	73.8	79.0	E84.3	
37-78	497	5.6	5.6	4	4	4	64.1	69.7	74.2	78.1	82.4	
38-78	356	6.2	6.2	6.2	E6.2	—	67.5	73.8	79.4	E85.7	—	Kick 80-100'
39-78	497	5.5	5.5	5.5	5.5	5.5	66.7	71.5	76.9	82.7	88.6	Kick @ 90'-100'
40-78	494	5.2	5.2	5.2	5.2	5.2	64.7	71.2	75.4	81.0	86.4	Kick 120-200
41-78	497	6°	5.3	5.3	5.3	5.3	66.6	71.7	77.2	82.7	87.4	
16-242-78	490	13.8	12.0	12.0	12.0	12.0	80.3	93.2	106.1	118.2	E129.5	
15-343-78	397	10.9	10.9	3.5	3.5	—	75.2	85.1	(89.0)	(92.7)	—	Turns over @ 200'
15-444-78	368	5.0	5.0	5.0	E5.0	—	69.9	74.5	79.3	84	—	
SED-1	320	7.6	7.6	5.5	E5.5	—	65	72.6	78.8	—	—	
SED-2	470	3.5	3.5	3.5	3.5	3.5	54.8	59.8	63	66.3	69.4	
SED-10	200	5.8	E4.8	—	—	—	117	119	—	—	—	R @ 100' picks up @ 160
SED-11	320	2.2	—	—	—	—	209.4	R	R	—	—	R @ 120', 255'
SED-12	300	0.6	0.6	3.0	—	—	61.7	61.7	64.6	—	—	— between 50' - ~200
SED-13	350	4.8	4.3	4.3	E4.3	—	73.1	77.4	81.6	86.5	—	— @ 100' - 160'
16-145-78	482	52	—	—	E19.3	19.3	197.5	R	—	137.3	156°	R @ 100', isothermal @ 28
15-146-78	460	8.2	6.7	6.4	7.4	E7.0	71.3	78.0	84.4	91.8	E98.5	Picks up @ 360
22-347-78	362	6.2	6.2	4.1	E4.1	—	69.6	75.6	80.1	E84.2	—	
48-78	360	7.0	5.1	5.4	E5.4	—	68.1	73.2	78.6	E83.9	—	kick @ 70' 50-100' grad
49-78	340	6.4	4.3	3.9	—	—	67.9	72.2	76.1	—	—	kick @ 70' 50-100' } en
50-78	70'	E57.1	—	—	—	—	E280	—	—	—	—	gradient?
51-78	416	10.5	8.5	8.5	9.5	—	73.3	82.2	91.2	101.3	—	
52-78	320	6	3.9	3.1	—	—	66.7	70.6	73.7	—	—	
53-78	247	—	7.2	4.6	4.6(E)	—	71.0	75.6	79.6(E)	—	—	
SE-A	495	5.2	7.5	8.4	77	9.8(E)	79.0	86.54	95.0	102.6	112.3E	
SE-B	176	59	56.1(E)	—	—	—	174.0	230.0(E)	—	—	—	

TABLE 1

SAN EMIDIO 1977 TEMPERATURE HOLES

	<u>T.D. (ft)</u>	<u>°F @ 100'</u>	<u>°F @ 200'</u>	<u>°F/100'</u> <u>(100-200')</u>	<u>°F @ 300'</u>	<u>°F @ T.D.</u>	<u>°F/100'</u> <u>(300-400')</u>
SE-1-77	419	140.2	157.3	17.1	167.8	156.4	reversal
SE-2-77	491	71.4	77.4	6	84.4	97.9	7.8
SE-3-77	492	95.0	101.2	6.2	109.9	127.3	10.5
SE-4-77	491	67.6	78.4	10.8	89.3	109.3	10.4
SE-5-77	421	92.3	103.3	isothermal	101.5	115.9	10.9
SE-6-77	492	78.4	85.7	7.3	97.6	118.9	11.5
SE-7-77	415	68.7	75.5	6.8	82.1	89.3	6.2
SE-8-77	100	232.1	E 240			232.1	
SE-9-77	180	124.7	E 154			152.8	
SE-10-77	210	125.8	145.5	19.7		146.8	
SE-11-77	211	71.8	80.1	8.3		81.0	
SE-12-77	120	228.2				228.7	
SE-13-77	207	137.1	164.7	27.6		166.0	
SE-14Sh-77	146	121.7				148.9	
SE-15Sh-77	125	76.2				79.8	
SE-16Sh-77	35					161.9	
SE-17Sh-77	42					139.8	
SE-18Sh-77	58					178.2	
SE-19Sh-77	80					70.0	

LITHOLOGIC WELL LOG

PROSPECT SAN EMIDIO
COUNTY _____ STATE NEV.
CHEVRON RESOURCES COMPANY DATE 6-23-77 SECTION _____
WELL No. 1-77 TOWNSHIP _____
RANGE _____

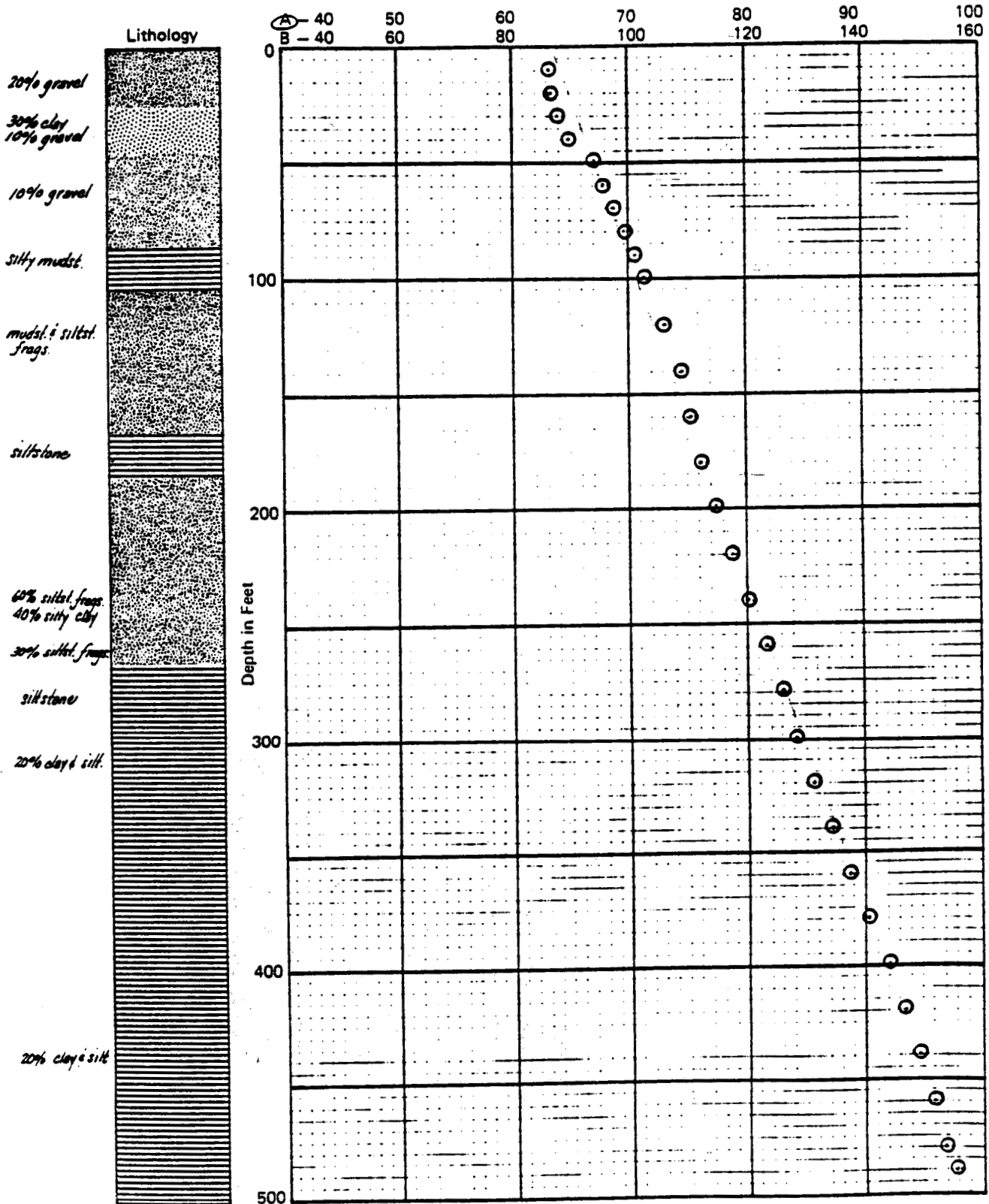
TIME	DEPTH	TEMP OF	LITHOLOGY	SIS	SETTING	COMMENTS
1604	10'	117.8		0.941	1 K-S	IN H2O
1607	20'	133.9		0.685		
1616	30'	134.8		0.673		
1613	40'	134.5		0.677		
1616	50'	133.5		0.690		
1614	60'	134.5		0.677		
1622	70'	136.3		0.655		
1625	80'	137.7		0.638		
1627	90'	139.0		0.621		
1630	100'	139.8		0.611		
1632	120'	142.0		0.588		
1635	140'	145.3		0.555		
1638	160'	148.8		0.519		
1641	180'	153.1		0.483		
1644	200'	156.8		0.453		
1647	220'	160.2		0.428		
1649	240'	163.1		0.408		
1652	260'	166.0		0.388		
1655	280'	168.3		0.374		
1658	300'	167.1		0.381		
1701	320'	165.0		0.395		
1704	340'	163.0		0.409		
1707	360'	159.9		0.430		
1710	380'	158.7		0.438		
1713	400'	157.1		0.450		
1716	419'	156.2		0.450		

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Smile
 State: Nevada
 Hole No.: 1-77
 Sec., 33 Twp., 30 Rge.: 23E

Date Completed: 6-17-77
 Date Logged: 7-7-77
 Logged By: J. Fleiner
 Temp. Probe: Charcon

Temperature in °F
(Circle Scale Used)



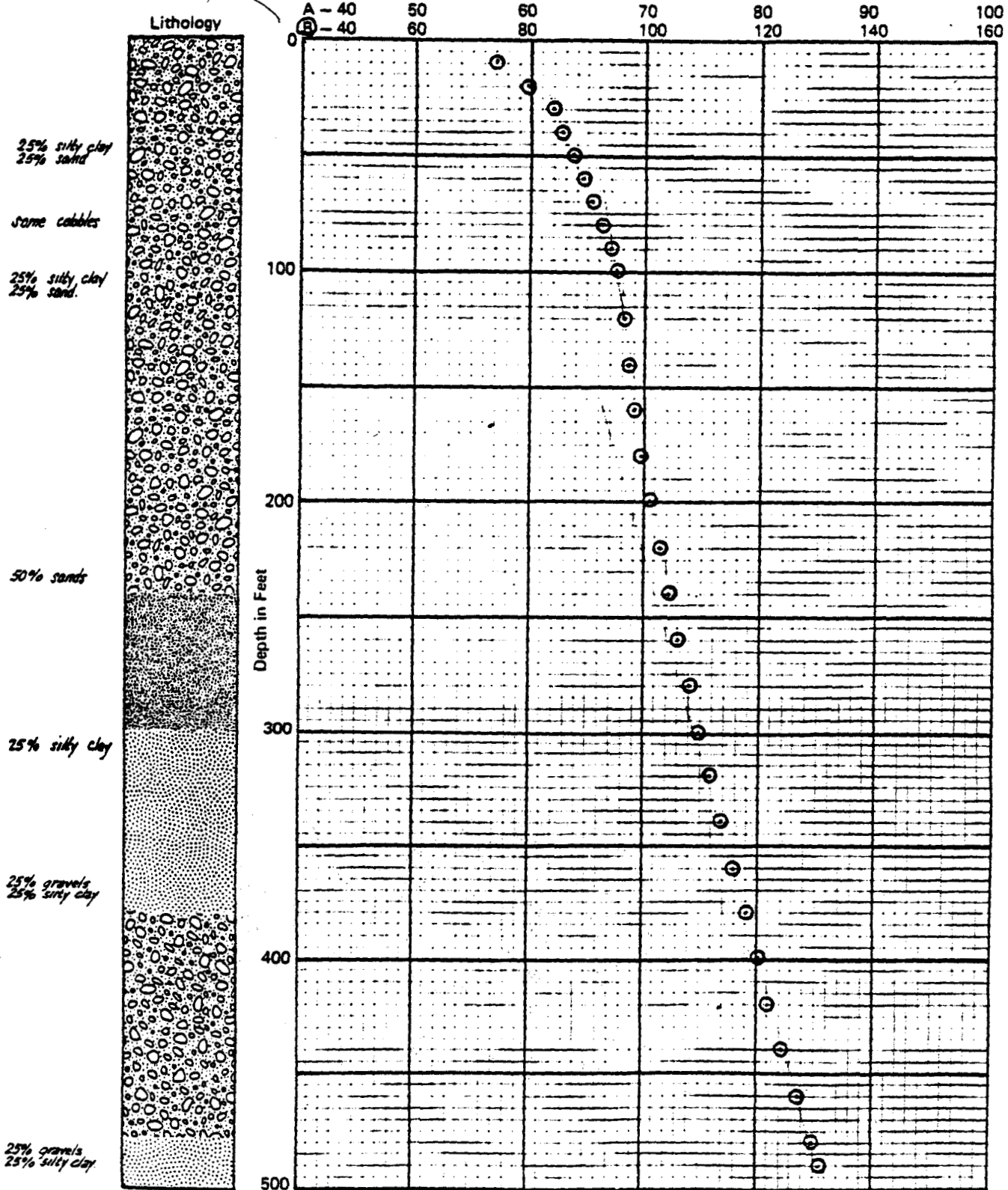
Approved: _____

CHEVRON RESOURCES CO.
GEOTHERMAL DIVISION

Prospect: San Emidio
 State: Nevada
 Hole No.: 3-77
 Sec., 21 Twp. 29N Rge.: 23E

Date Completed: 11-13-77
 Date Logged: 12-21-77
 Logged By: J. Fleiner
 Temp. Probe: Chevron

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
 GEOTHERMAL DIVISION
 SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
 STATE : NEV.
 HOLE NO. : 3-77
 S.T.R. : _____

DATE COMPLETED : 11-13-77
 DATE LOGGED : 11-16-77
 LOGGED BY : FLEINER
 UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1131

END - BATT. V = 1107

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,400	75.4 AIR	220	1,289	102.6
20	2,140	80.3	240	1,244	104.2
30	1,955	84.1	260	1,204	105.8
40	1,871	85.8	280	1,163	107.5
50	1,796	87.8	300	1,117	109.5
60	1,723	89.7	320	1,074	111.3
70	1,661	91.3	340	1,033	113.0
80	1,599	92.9	360	992	115.1
90	1,549	94.2	380	950	117.3
100	1,513	95.2	400	910	119.4
120	1,480	96.3	420	874	121.3
140	1,461	96.9	440	834	123.7
160	1,433	97.9	460	795	126.2
180	1,396	99.1	480	755	128.8
200	1,336	101.1	492 500	732	130.3

TIME START: 1010

TIME ON BOTTOM: 1130

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : 377
S.T.R. : S 2' T 2 1/2' N 1 2 3 E

DATE COMPLETED : 11-13-77
DATE LOGGED : 12-2-77
LOGGED BY : FLEINER
UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 1195

END - BATT. V = 1167

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2983	74.1	220	1282	102.9
20	2161	79.9	240	1236	104.5
30	1960	84.0	260	1195	106.2
40	1886	85.5	280	1151	108.0
50	1813	87.3	300	1107	109.9
60	1742	89.2	320	1060	111.8
70	1679	90.8	340	1019	113.7
80	1613	92.5	360	977	115.9
90	1557	94.0	380	934	118.1
100	1519	95.0	400	891	120.4
120	1480	96.3	420	856	122.2
140	1459	97.0	440	818	124.7
160	1430	98.0	460	778	127.3
180	1390	99.3	480	742	129.6
200	1332	101.2	492 500	721	131.0

TIME START: 0820

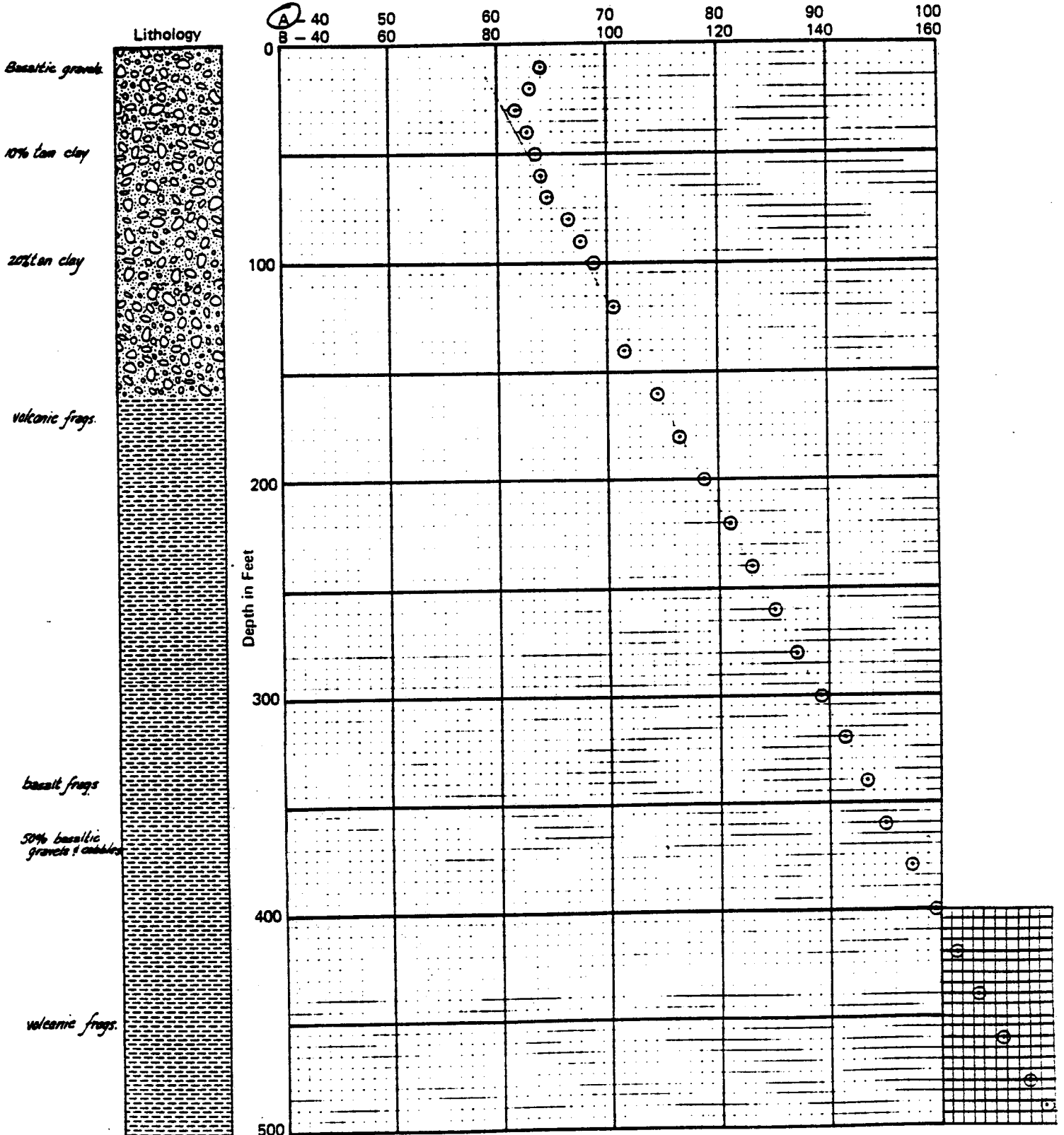
TIME ON BOTTOM: _____

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emidia
 State: Nevada
 Hole No.: 4-77
 Sec., 21 Twp., 29N Rge.: 23E

Date Completed: 11-12-77
 Date Logged: 11-15-77
 Logged By: Jack Flemer
 Temp. Probe: 1100'

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : 4-77
S.T.R. : _____

DATE COMPLETED : 11-12-77
DATE LOGGED : 11-15-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 1136

END - BATT. V = 1110

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,115	64.0	220	2,103	81.1
20	3,345	62.0	240	2,002	83.1
30	3,365	61.8	260	1,909	85.1
40	3,285	62.7	280	1,821	87.1
50	3,235	63.4	300	1,740	89.2
60	3,185	64.0	320	1,660	91.3
70	3,155	64.4	340	1,585	93.3
80	2,968	66.7	360	1,515	95.1
90	2,895	67.6	380	1,444	97.5
100	2,812	68.8	400	1,381	99.6
120	2,692	70.7	420	1,320	101.6
140	2,575	72.6	440	1,262	103.5
160	2,455	74.5	460	1,205	105.8
180	2,334	76.5	480	1,152	108.0
200	2,215	78.8	492 500	1,120	109.3

TIME START: 1430

TIME ON BOTTOM: 1610

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : 4-77
S.T.R. : 421 T22N R22E

DATE COMPLETED : 11-12-77
DATE LOGGED : 12-23-77
LOGGED BY : FLEINER
UNIT NO. : 1,000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1176

END - BATT. V = 1163

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10R-10	3,485	60.3	220	2,119	80.7
20	3,435	60.9	240	2,009	83.0
30	3,445	60.8	260	1,915	84.9
40	3,355	61.9	280	1,822	87.1
50	3,315	62.4	300	1,736	89.3
60	3,275	62.9	320	1,653	91.5
70	3,235	63.4	340	1,575	93.5
80	3,155	64.4	360	1,502	95.6
1K-90	2,980	66.5	380	1,433	97.9
100	2,892	67.6	400	1,368	100.0
120	2,752	69.8	420	1,308	102.0
140	2,591	72.3	440	1,247	104.0
160	2,512	73.6	460	1,198	106.1
180	2,358	76.1	480	1,139	108.5
200	2,231	78.4	492 500	1,111	109.7

TIME START: 09:30

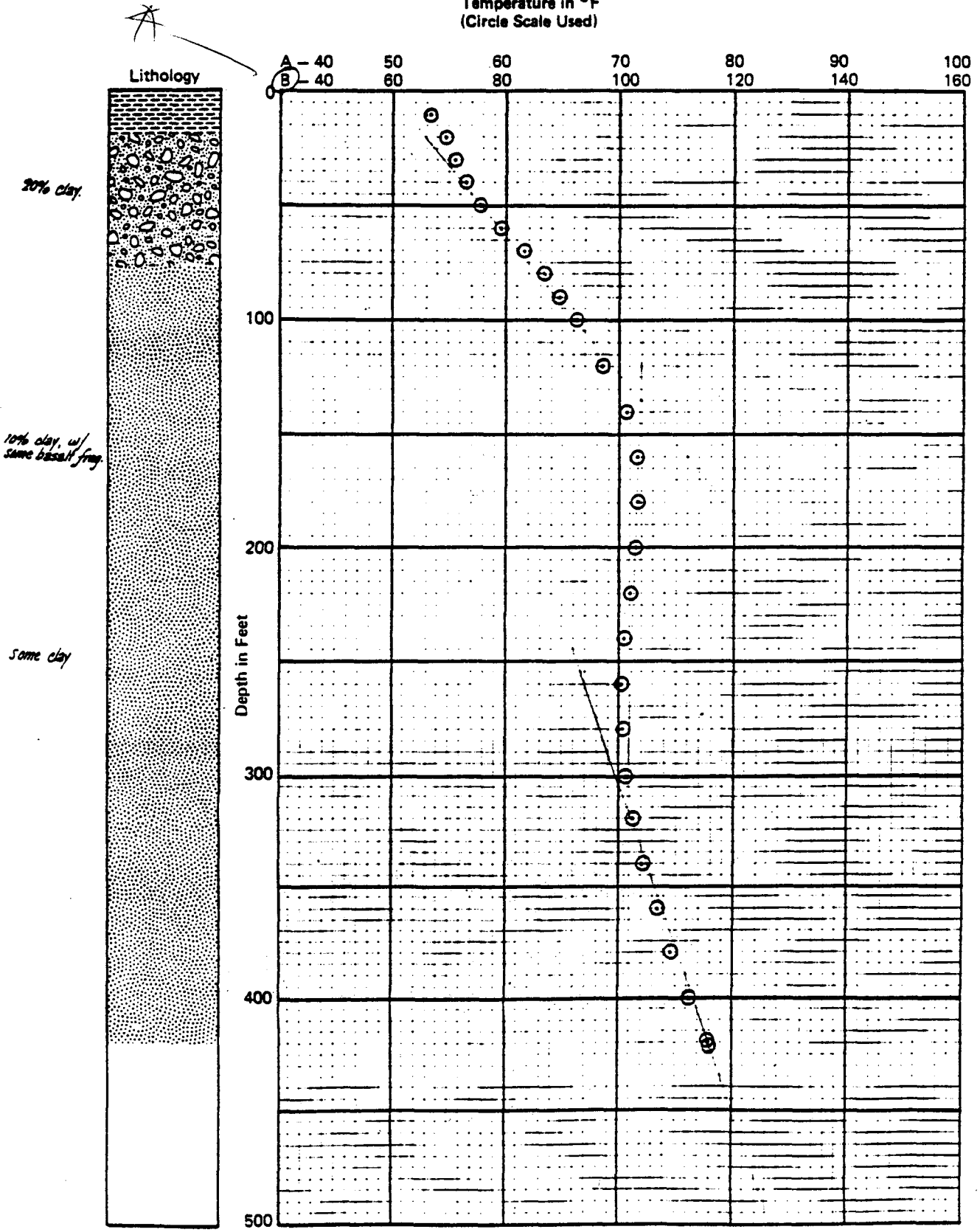
TIME ON BOTTOM: 10:55

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emidio
 State: Nevada
 Hole No.: 5-77
 Sec., 2A Twp., 29N Rge.: 23E

Date Completed: 11-11-77
 Date Logged: 11-14-77
 Logged By: Jack Elmer
 Temp. Probe: 1100'

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : 5-77
S.T.R. : SEC. 28 T29N R23E

DATE COMPLETED : 11-11-77
DATE LOGGED : 11-14-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. ✓ = 1128

END - BATT. ✓ = 1107

1K-2

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,799	66.3	220	1,305	102.1
20	2,763	69.6	240	1,339	101.0
30	2,672	71.0	260	1,356	100.9
40	2,544	73.1	280	1,354	100.5
50	2,374	75.8	300	1,326	101.4
60	2,187	79.4	320	1,290	102.6
70	1,995	83.3	340	1,243	104.2
80	1,848	86.4	360	1,184	106.7
90	1,716	89.8	380	1,120	109.3
100	1,613	92.5	400	1,049	112.3
120	1,434	97.8	420	979	115.8
140	1,322	101.5	421 440	976	115.9
160	1,270	103.3	460		
180	1,259	103.6	480		
200	1,278	103.0	500		

TIME START: 1415

TIME ON BOTTOM: 1.550

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : 5-77
S.T.R. : SEC 28 T29 N R23 E

DATE COMPLETED : 11-11-77
DATE LOGGED : 12-14-77
LOGGED BY : FL EINER
UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1182 END - BATT. V = 1162

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3215	63.6	220	1298	102.3
20	2765	69.6	240	1335	101.1
30	2678	71.0	260	1353	100.5
40	2560	72.8	280	1351	100.6
50	2392	75.5	300	1322	101.5
60	2213	78.8	320	1285	102.8
70	2015	82.9	340	1238	104.4
80	1865	86.0	360	1179	106.9
90	1730	89.5	380	1114	109.6
100	1623	92.3	400	1041	112.6
120	1431	97.9	420	972	116.1
140	1311	101.9	440	970	116.2
160	1256	103.7	460		
180	1247	104.0	480		
200	1269	103.3	500		

TIME START: 1745

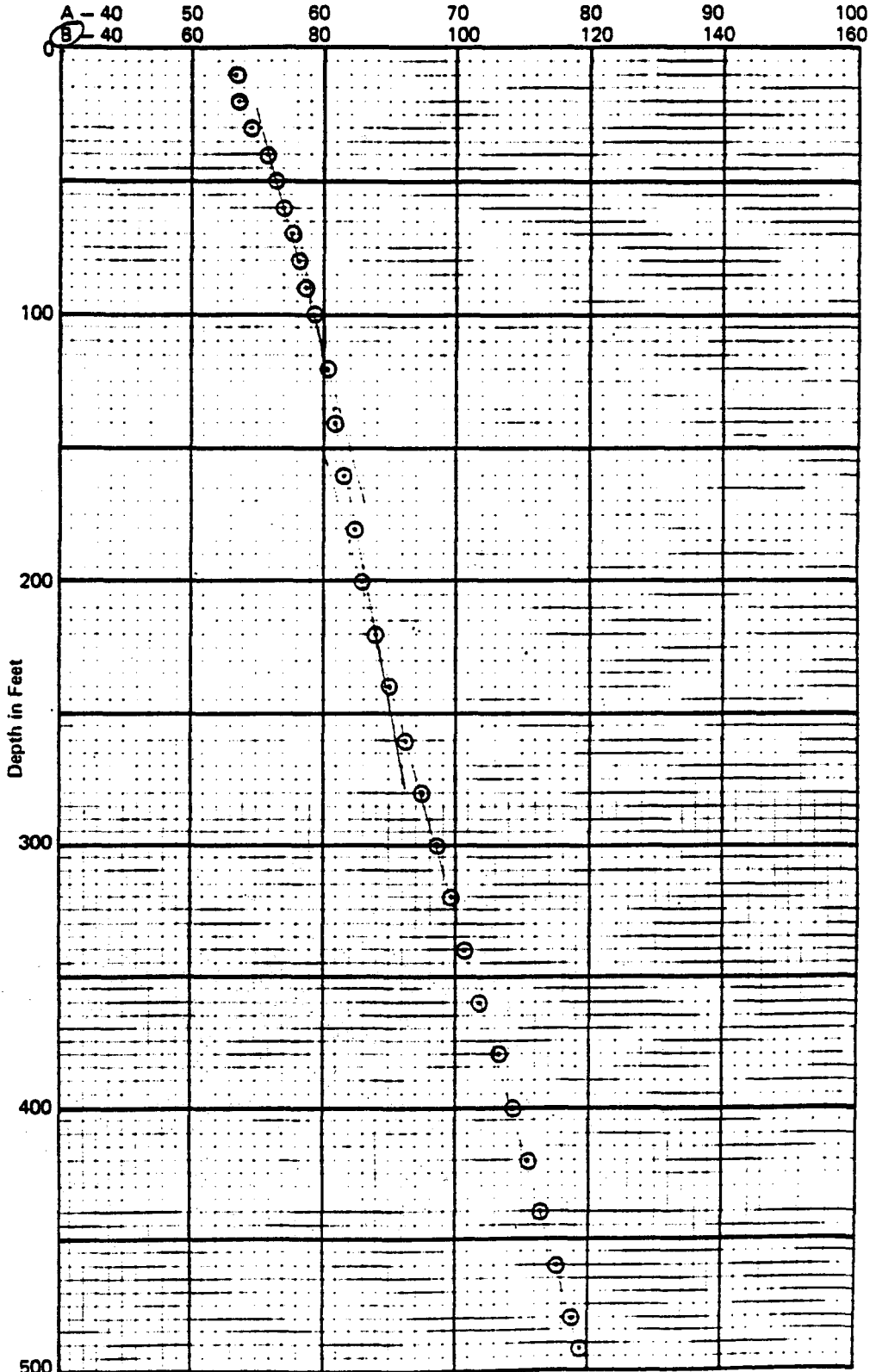
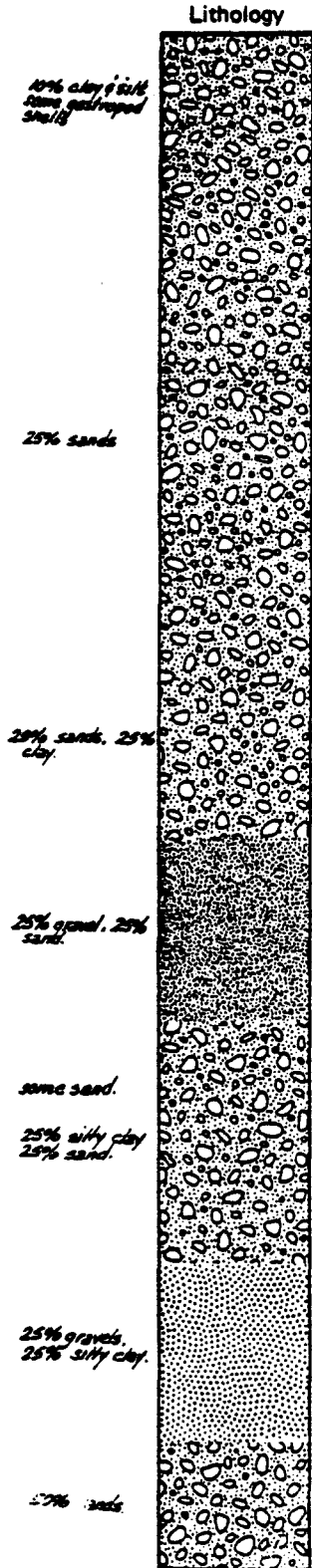
TIME ON BOTTOM: 1635

CHEVRON RESOURCES CO.
GEOHERMAL DIVISION

Prospect: Sam Emidio
 State: Nevada
 Hole No.: 6-77
 Sec., 28 Twp., 29N Rge.: 23E

Date Completed: 11/10/77
 Date Logged: 11/13/77
 Logged By: J. Elmer
 Temp. Probe: 1100

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV.
HOLE NO. : 6-77
S.T.R. : SEC 28 T29N R23E

DATE COMPLETED : _____
DATE LOGGED : 11-12-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. $\checkmark = 1128$

END - BATT $\checkmark = 1107$

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,985	66.5	220	1,789	87.9
20	2,923	67.2	240	1,708	90.1
30	2,795	69.1	260	1,623	92.3
40	2,642	71.5	280	1,534	94.6
50	2,572	72.7	300	1,457	97.1
60	2,490	74.0	320	1,385	99.5
70	2,410	75.3	340	1,318	101.7
80	2,350	76.2	360	1,254	103.8
90	2,286	77.3	380	1,194	106.3
100	2,232	78.4	400	1,137	108.6
120	2,139	80.3	420	1,083	110.9
140	2,064	81.9	440	1,034	112.9
160	2,010	83.0	460	986	115.4
180	1,948	84.3	480	941	117.8
200	1,874	85.8	492 500	919	118.9

TIME START: 1040

TIME ON BOTTOM: 1210

CHEVRON RESOURCES COMPANY
 GEOTHERMAL DIVISION
 SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN FEMIDIO
 STATE : NEV.
 HOLE NO. : 6-77
 S.T.R. : 223 T23N123E

DATE COMPLETED : 11-10-77
 DATE LOGGED : 12-19-77
 LOGGED BY : FLEINER
 UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 1148

END - BATT. V = 1116

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3315	62.4	220	1789	88.1
20	2979	66.5	240	1699	90.3
30	2826	68.6	260	1614	92.5
40	2639	71.6	280	1518	95.0
50	2579	72.5	300	1441	97.6
60	2494	73.9	320	1369	100.0
70	2408	75.3	340	1302	102.2
80	2347	76.3	360	1235	104.5
90	2289	77.2	380	1173	107.1
100	2234	78.4	400	1118	109.4
120	2142	80.3	420	1067	111.6
140	2069	81.8	440	1015	113.9
160	2015	82.9	460	971	116.2
180	1951	84.2	480	928	118.4
200	1876	85.7	490 500	905	119.6

TIME START: 1225

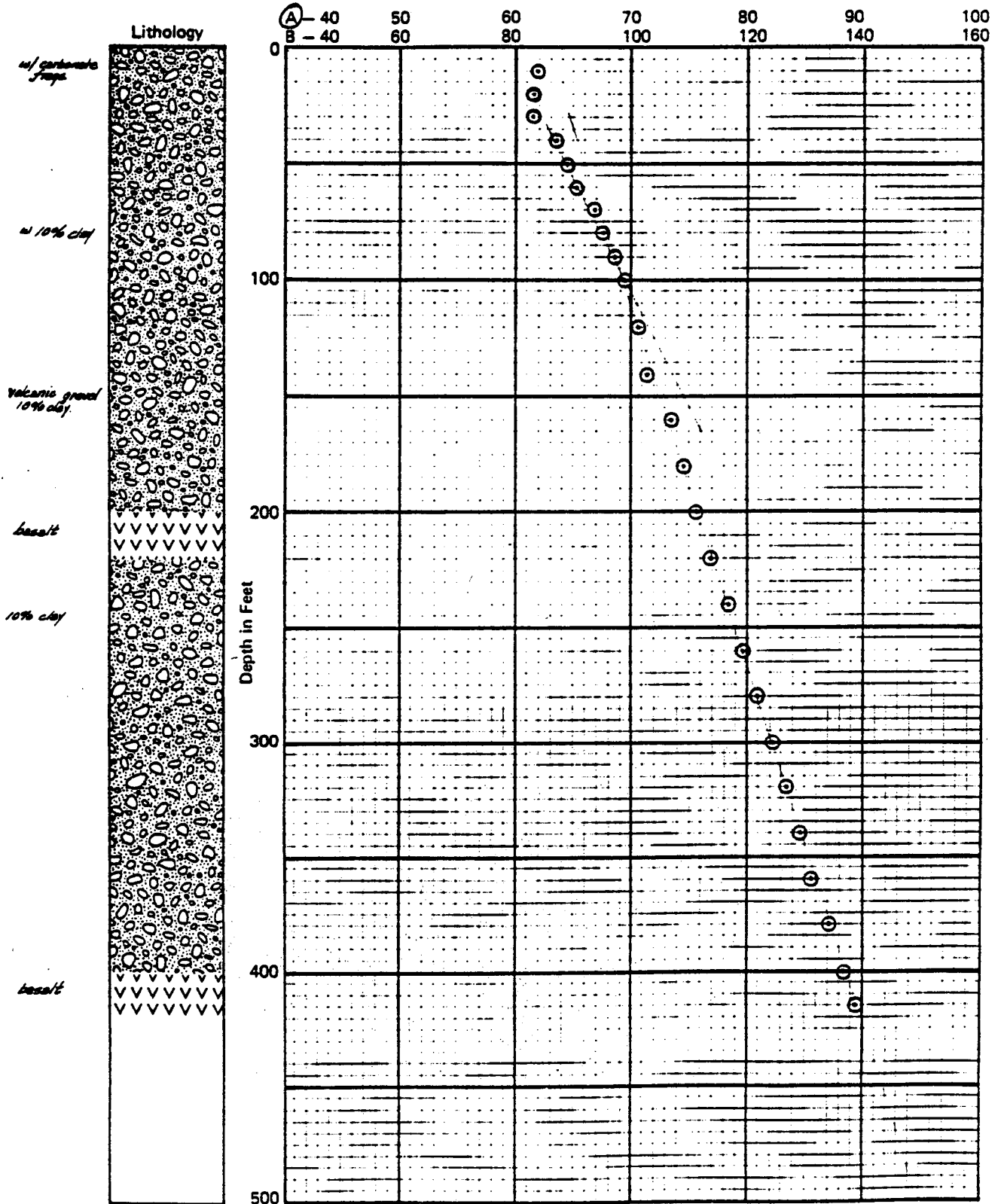
TIME ON BOTTOM: 1305

**CHEVRON RESOURCES CO.
GEOTHERMAL DIVISION**

Prospect: Sam Friedman
 State: Nevada
 Hole No.: 7-77
 Sec. 28 Twp., 29N Rge.: 23E

Date Completed: 11-9-77
 Date Logged: 11-14-77
 Logged By: Jack Fleiner
 Temp. Probe: 1100'

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : NEV
HOLE NO. : 7-77
S.T.R. : SEC 28 T29N R23E

DATE COMPLETED : 11-9-77
DATE LOGGED : 11-14-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1137

END - BATT. V = 1109

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,275	62.9	220	2,305	76.4
20	3,245	62.6	240	2,236	78.3
30	3,305	62.5	260	2,169	79.7
40	3,215	63.6	280	2,105	81.0
50	3,145	64.5	300	2,046	82.2
60	3,085	65.2	320	1,987	83.5
70	2,947	66.9	340	1,927	84.7
80	2,892	67.6	360	1,876	85.7
90	2,830	68.5	380	1,822	87.1
100	2,782	69.3	400	1,772	88.4
120	2,688	70.8	415 420	1,737	89.3
140	2,592	72.3	440		
160	2,525	73.4	460		
180	2,455	74.5	480		
200	2,379	75.7	500		

TIME START: 1205

TIME ON BOTTOM: 1345

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : NEV
HOLE NO. : 7-77
S.T.R. : SEC 22 T23N R23E

DATE COMPLETED : 11-2-77
DATE LOGGED : 12-19-77
LOGGED BY : FLEINER
UNIT NO. : 1,000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER

BEGIN-BATT V = 1121

END-BATT V = 1117

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,435	60.9	220	2,322	76.7
20	3,385	61.5	240	2,251	78.0
30	3,375	61.6	260	2,180	79.5
40	3,355	61.9	280	2,116	80.8
50	3,255	63.1	300	2,054	82.1
60	3,185	64.0	320	1,993	83.3
70	3,105	65.0	340	1,935	84.5
80	2,996	67.0	360	1,880	85.7
90	2,879	67.8	380	1,826	87.0
100	2,818	68.7	400	1,776	88.3
120	2,718	70.3	420 415	1,736	89.3
140	2,620	71.9	440		
160	2,547	73.1	460		
180	2,469	74.3	480		
200	2,394	75.5	500		

TIME START: 1320

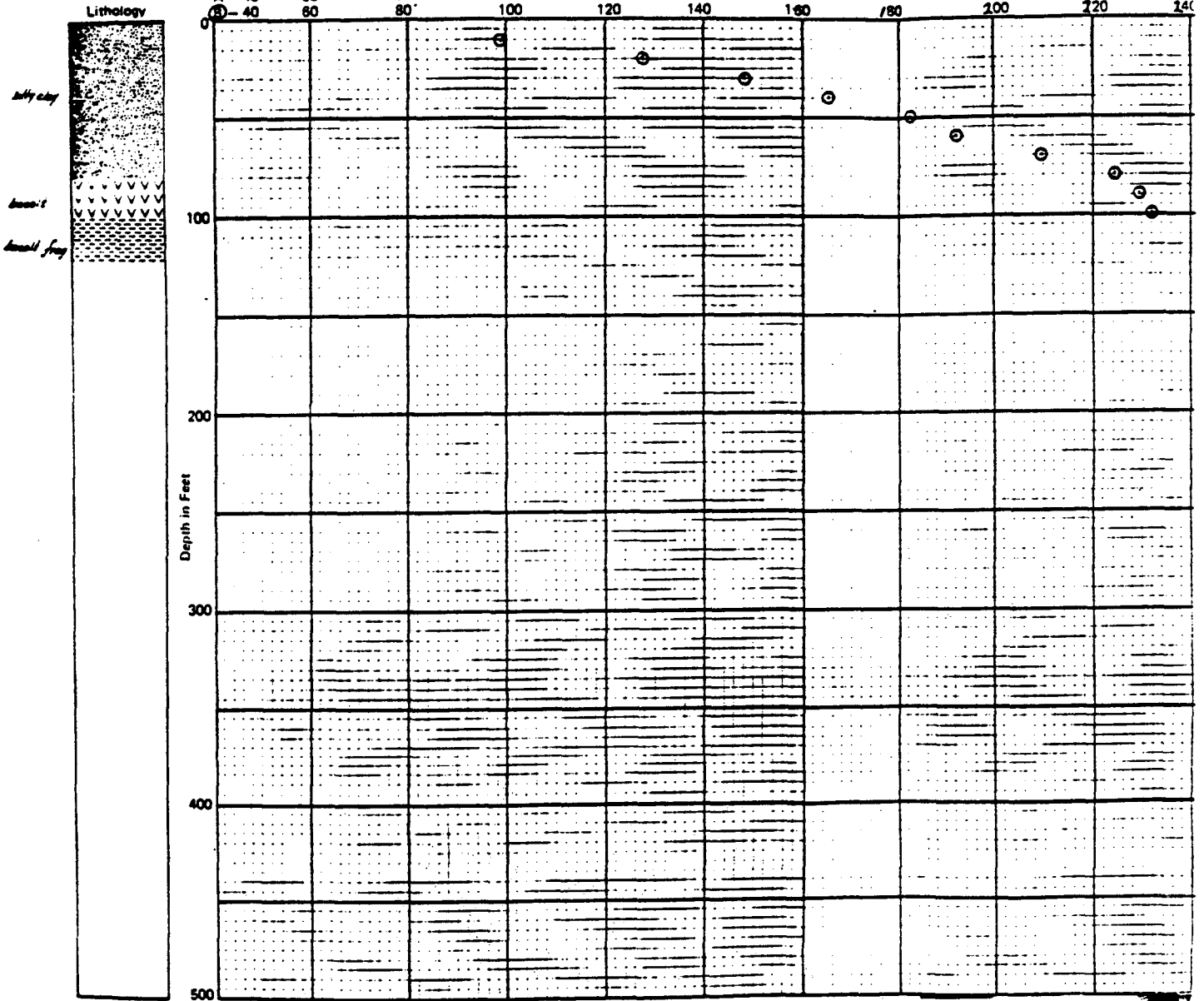
TIME ON BOTTOM: 1420

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Project: San Felipe
 State: Nevada
 Hole No.: A-77
 Sec. 9 Twp. 29N Rge. 23E

Date Completed: 11-14-77
 Date Logged: 12-31
 Logged By: J. F. Hines
 Temp. Probe: Chauca

Temperature in °F
 (Circle Scale Used)



Approved: _____

**CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG**

PROSPECT : DAV 330 200
 STATE : NEV
 HOLE NO. : 2-77
 S.T.R. : SEC 7 T20N R20E

DATE COMPLETED : 11-12-77
 DATE LOGGED : 12-2-77
 LOGGED BY : FELENER
 UNIT NO. : 300

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: RESISTANCE AND TEMPERATURE CORRECTIONS MADE

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1.15	19.0	220		
20	1.57	19.7	240		
30	1.85	20.4	260		
40	2.15	21.2	280		
50	2.51	22.0	300		
60	2.80	22.6	320		
70	2.95	23.1	340		
80	1.75	22.4	360		
90	1.75	22.9	380		
100	1.60	23.2	400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 10:55

TIME ON BOTTOM: 1:15

**CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG**

PROSPECT : SAN EMIDIO
 STATE : NEV.
 HOLE NO. : 8-77
 S.T.R. : SEE 9 T-9 N 9 R 23 E

DATE COMPLETED : 11-17-77
 DATE LOGGED : 12-23-77
 LOGGED BY : FLEINER
 UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1210

END - BATT. V = 1187

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1317	101.7	220		
20	760	128.5	240		
30	517	149.1	260		
40	390	165.8	280		
50	303	182.1	300		
60	257	193.4	320		
70	207	209.9	340		
80	175	224.0	360		
90	163	230.3	380		
100	159	232.7	400		
110			420		
120					
140			440		
160			460		
180			480		
200			500		

TIME START: 1025

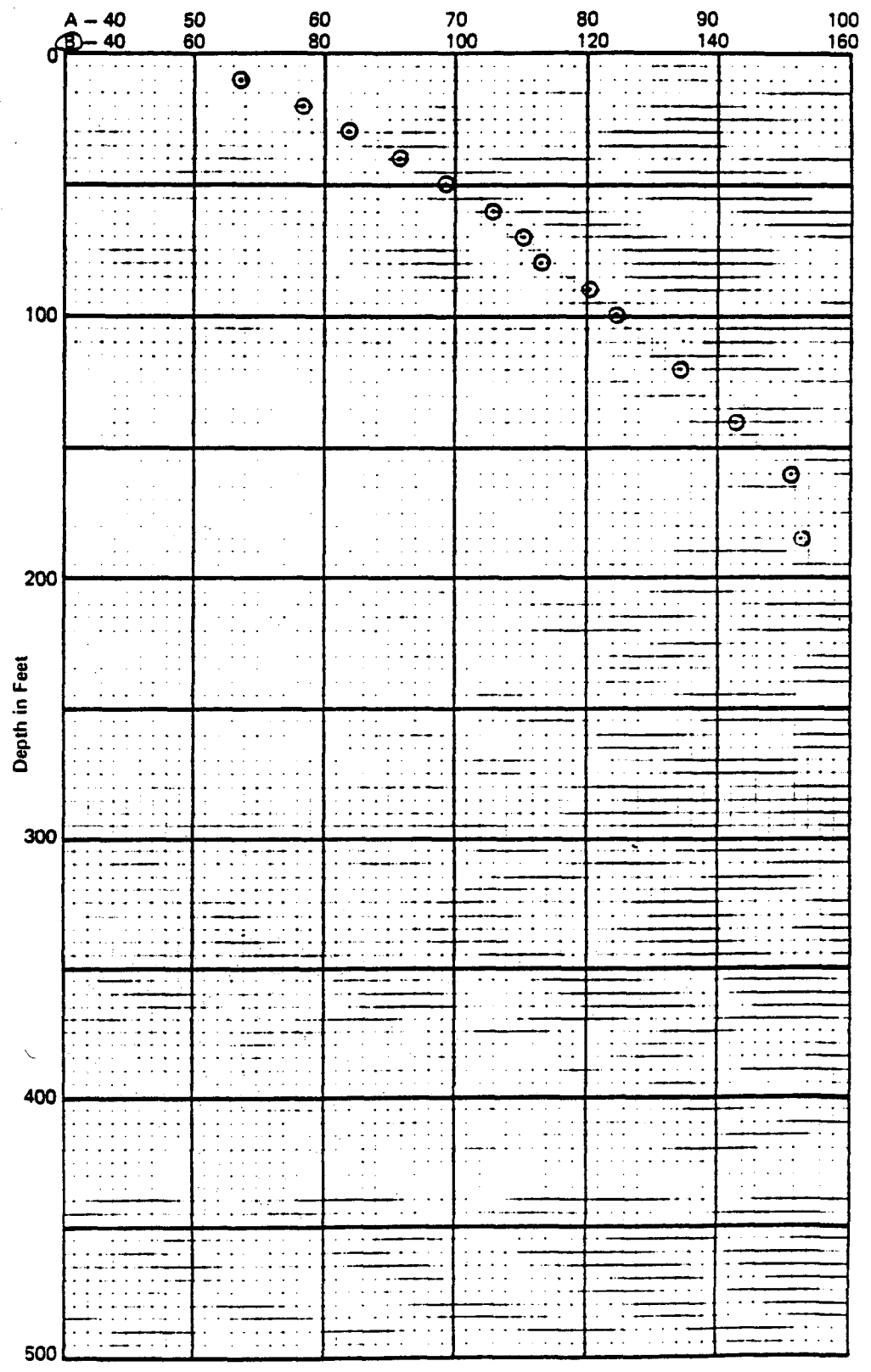
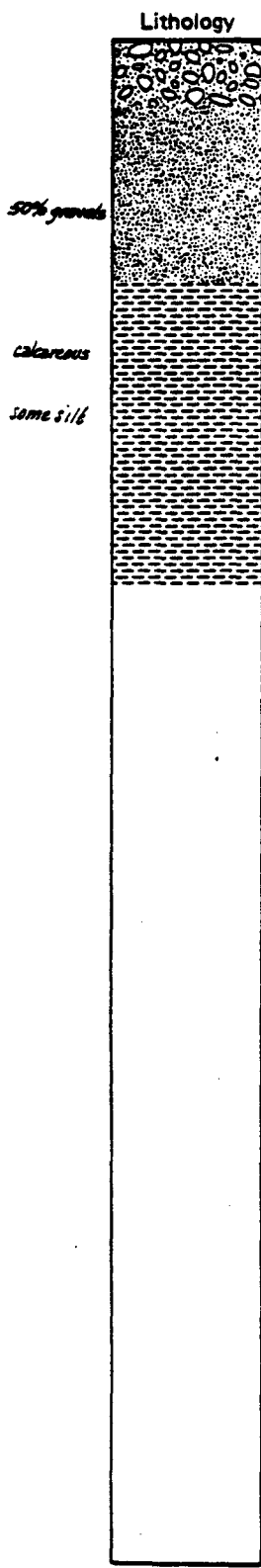
TIME ON BOTTOM: 1725

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emido
 State: Nevada
 Hole No.: 9-27
 Sec., 9 Twp., 27 Rge.: 23E

Date Completed: 11-14-77
 Date Logged: 12-21-77
 Logged By: J. Fleiner
 Temp. Probe: Chevron

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : 10-77
S.T.R. : 9 T 23 N R 23 E

DATE COMPLETED : 11-15-77
DATE LOGGED : 12-22-77
LOGGED BY : FLEINER
UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTOR & THERMOMETER.

BEGIN - BATT. $V = 126$

END - BATT. $V = 1196$

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1835	86.7	220	930	121.0
20	1678	90.8	240		
30	1612	92.6	260		
40	1501	95.6	280		
50	1280	102.9	300		
60	1162	107.6	320		
70	1019	113.7	340		
80	912	119.3	360		
90	834	123.7	380		
100	797	126.1	400		
120	734	130.2	420		
140	669	135.2	440		
160	620	139.1	460		
180	579	142.9	480		
200	551	145.7	500		

TIME START: 1510

TIME ON BOTTOM: 10:05

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : N.M.
HOLE NO. : 9-77
S.T.R. : 37 TOWN ARIZONA

DATE COMPLETED : 11-12-77
DATE LOGGED : 12-21-77
LOGGED BY : FLEINER
UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMISTORS
BEGIN BATT. V = 11.61
END BATT. V = 11.61

11/23
A/M

H

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2374	67.9	220		
20	2321	70.7	240		
30	1907	83.9	260		
40	1679	91.0	280		
50	1710	98.4	300		
60	1232	105.7	320		
70	1045	110.4	340		
80	1031	113.1	360		
90	843	120.3	380		
100	810	127.7	400		
120	677	137.8	420		
140	584	142.4	440		
160	490	151.0	460		
180	430	157.8	480		
200			500		

TIME START: 12:15

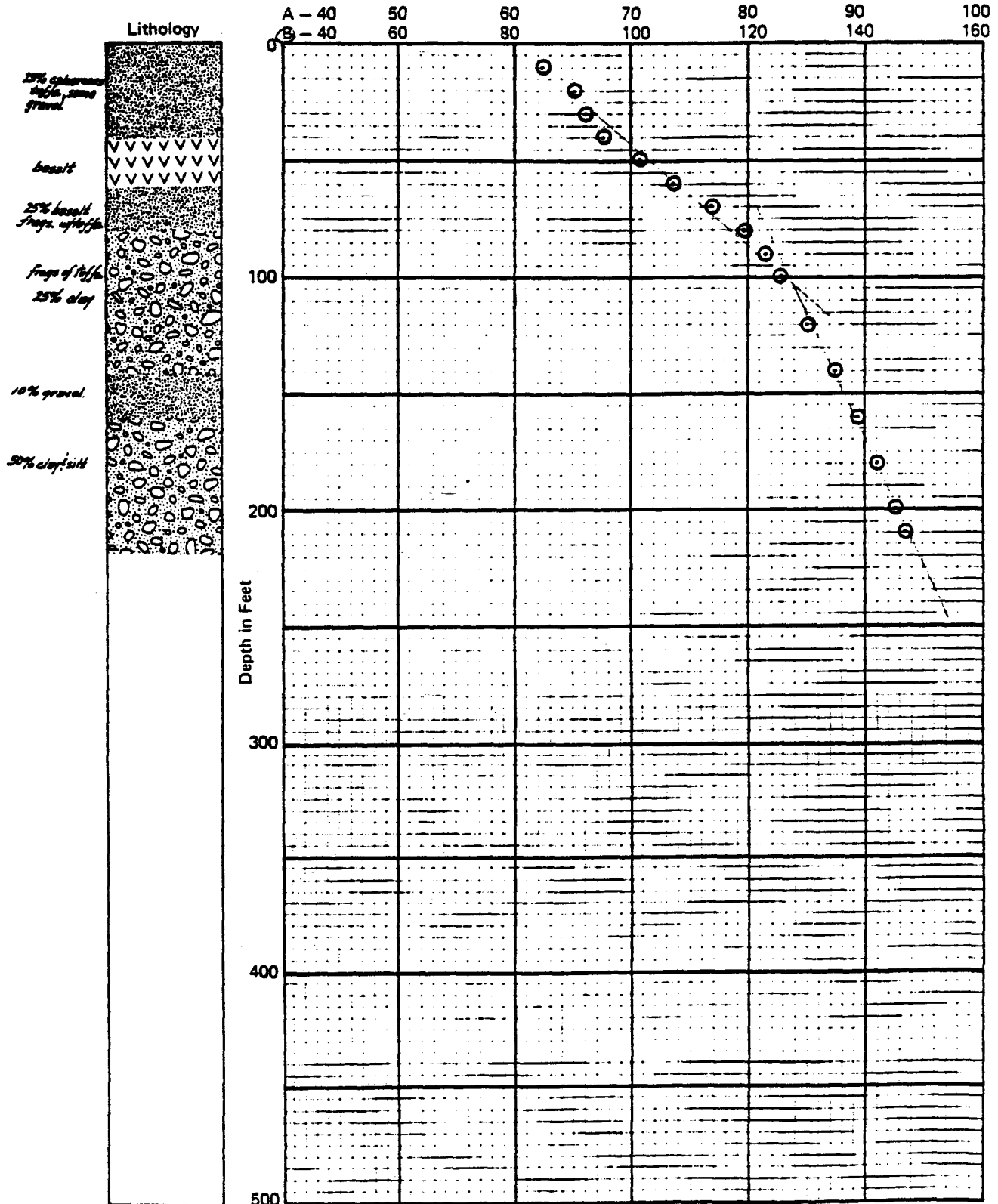
TIME ON BOTTOM: 13:15

**CHEVRON RESOURCES CO.
GEO THERMAL DIVISION**

Prospect: San Felipe
 State: Nevada
 Hole No.: 10-77
 Sec., 9 Twp., 29n Rge.: 23E

Date Completed: 12-15-77
 Date Logged: 12-21-77
 Logged By: J. Elmer
 Temp. Probe: Chevron

Temperature in °F
(Circle Scale Used)



Approved: _____

**CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG**

PROSPECT : 4N E 10 10N
 STATE : NEV
 HOLE NO. : 10-77
 S.T.R. : 27 T 23 N R 23 E

DATE COMPLETED : 1-15-77
 DATE LOGGED : 12-28-77
 LOGGED BY : ELMER
 UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: MEASURED WITH RESISTANCE THERMISTERS

RESISTANCE - TEMPERATURE = 11.7 TEMPERATURE - RESISTANCE = 112

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	19.30	97.7	220	5.8	170.5
20	10.92	105	240		
30	10.25	112.3	260		
40	10.10	115.3	280		
50	12.17	121.7	300		
60	11.05	117.3	320		
70	10.17	113.8	340		
80	9.15	114.1	360		
90	8.42	123.1	380		
100	8.01	125.8	400		
120	7.0	130.7	420		
140	6.74	129.5	440		
160	6.21	131.0	460		
180	5.5	142.2	480		
200	5.03	145.5	500		

TIME START: 8:30

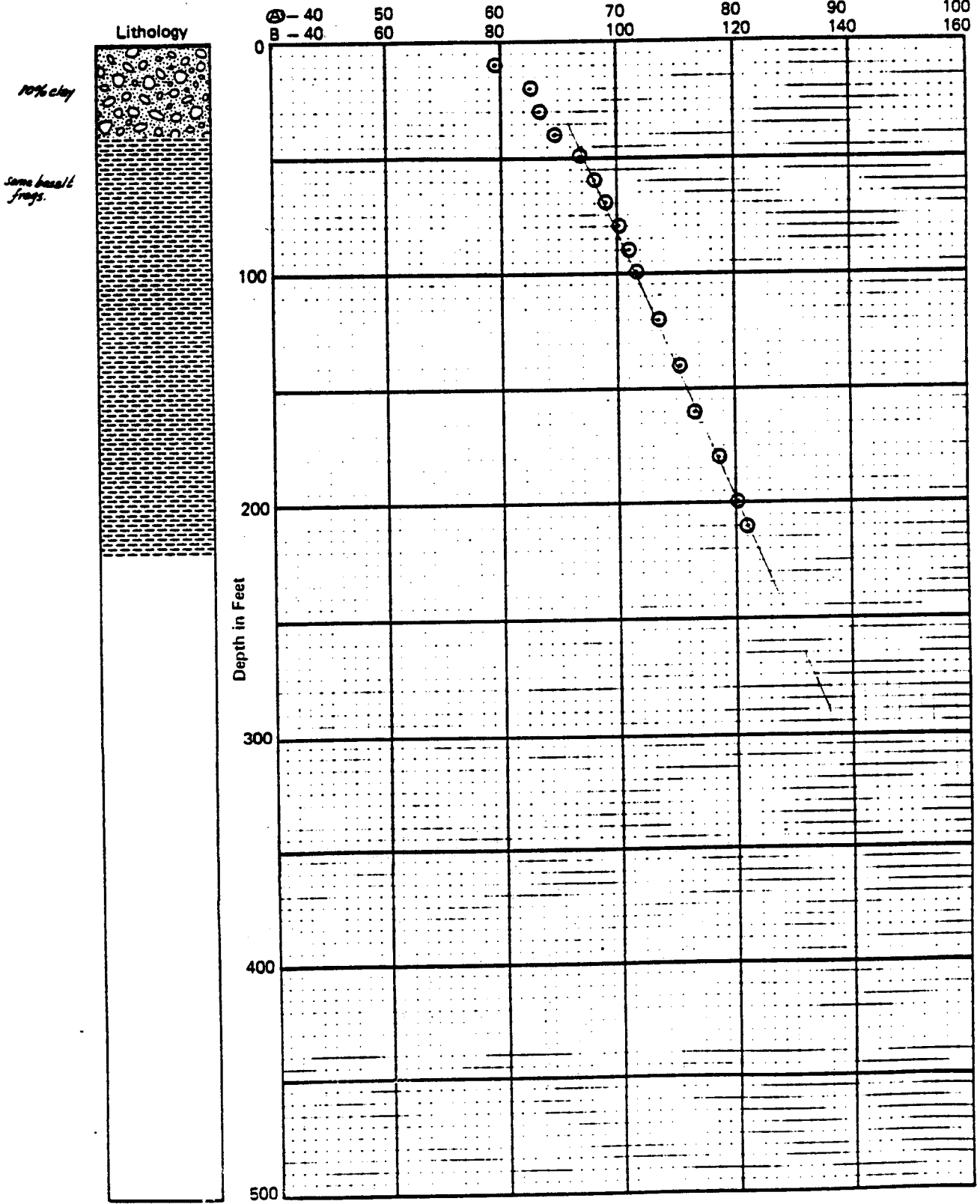
TIME ON BOTTOM: 1:25

CHEVRON RESOURCES CO.
GEOTHERMAL DIVISION

Prospect: San Eaida
 State: Nevada
 Hole No.: 11-77
 Sec., 9 Twp., 29n Rge.: 23e

Date Completed: 11-15-77
 Date Logged: 12-21-77
 Logged By: J. Fleiner
 Temp. Probe: Chevron

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EM1010
 STATE : NEV.
 HOLE NO. : 11-77
 S.T.R. : 3 ; T2-3A A 23E

DATE COMPLETED : 11-15-77
 DATE LOGGED : 12-20-77
 LOGGED BY : FLEINER
 UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN-BATT ✓ = 1132

END-BATT ✓ = 1108

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3425	61.0	220 240	2102	81.1
20	3275	62.9	240		
30	3225	63.5	260		
40	3115	64.9	280		
10K-50	2938	67.1	300		
60	2849	68.2	320		
70	2790	69.2	340		
80	2733	70.1	360		
90	2669	71.1	380		
100	2622	71.9	400		
120	2512	73.6	420		
140	2414	75.2	440		
160	2319	76.7	460		
180	2227	78.5	480		
200	2146	80.2	500		

TIME START: 1335

TIME ON BOTTOM: 1445

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : NEW
HOLE NO. : 11-77
S.T.R. : SI T29 N R23E

DATE COMPLETED : 11-15-77
DATE LOGGED : 12-21-77
LOGGED BY : FLEINER
UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTANCE THERMOMETER

BELOW - RATT = 1014

END - BATT = 1000

1000

1000

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3031	61.7	220	2100	81.0
20	3307	62.5	240		
30	3241	63.3	260		
40	3119	64.8	280		
50	2945	66.4	300		
60	2867	68.0	320		
70	2748	69.0	340		
80	2729	70.1	360		
90	2676	71.0	380		
100	2627	71.8	400		
120	2505	73.7	420		
140	2418	75.2	440		
160	2328	76.6	460		
180	2230	78.5	480		
200	2151	80.1	500		

TIME START: 1730

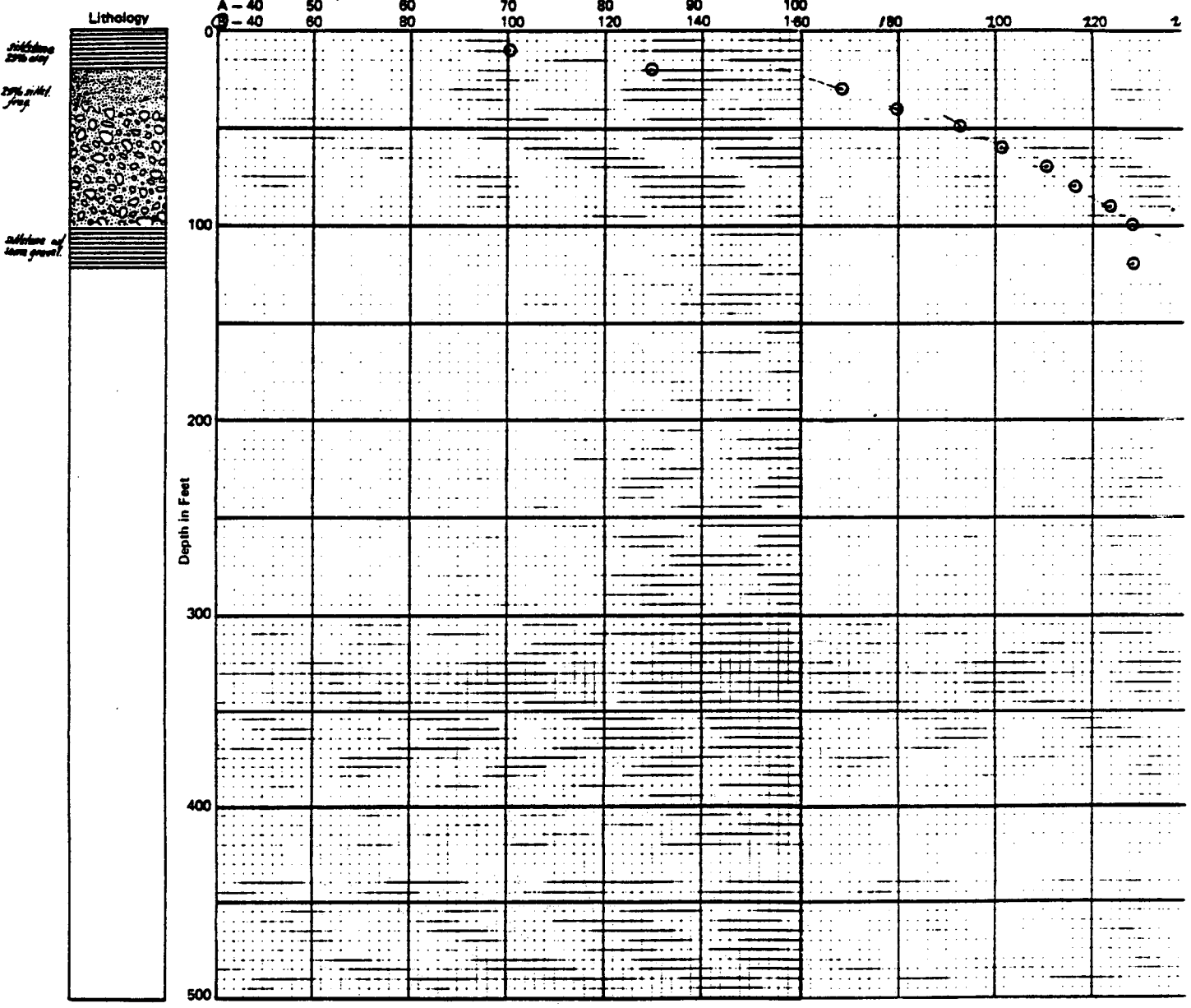
TIME ON BOTTOM: 1830

**CHEVRON RESOURCES CO.
GEOTHERMAL DIVISION**

Prospect: San Emidio
 State: NM
 Hole No.: 12-77
 Sec., 4 Twp., 26N Rge.: 23E

Date Completed: 11-16-77
 Date Logged: 12-21-77
 Logged By: T. Elwood
 Temp. Probe: CHENCO

Temperature in °F
(Circle Scale Used)



Approved: _____

**CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG**

PROSPECT : SAN FERRANDO
 STATE : NEW
 HOLE NO. : 12-77
 S.T.R. : 24 T-3 N R23E

DATE COMPLETED : 11-16
 DATE LOGGED : 12-2
 LOGGED BY : FLEW
 UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS + THERMOM.

230K - B + TTV = 1122

EM - B + TTV =

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	13.1	100.2	220		
20	12.4	129.3	240		
30	13.5	128.2	260		
40	11.1	179.3	280		
50	25.0	192.6	300		
60	23.2	201.0	320		
70	20.5	210.6	340		
80	19.2	216.1	360		
90	17.1	223.5	380		
100	11.7	228.2	400		
120	11.5	228.7	420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1530

TIME ON BOTTOM: 1555

CHEVRON RESOURCES COMPANY
 GEOTHERMAL DIVISION
 SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
 STATE : NEV
 HOLE NO. : 12-77
 S.T.R. : ST TAIN RFE

DATE COMPLETED : 11-16-77
 DATE LOGGED : 12-20-77
 LOGGED BY : FLINER
 UNIT NO. : 1000
 /

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN-BATT V = 1236

END-BATT V = 1212

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1139	108.5	220		
20	731	130.3	240		
30	379	167.5	260		
40	313	179.9	280		
50	262	192.1	300		
60	231	201.3	320		
70	207	209.9	340		
80	188	217.8	360		
90	175	224.0	380		
100	168	227.6	400		
110 117	165	229.2	420		
140			440		
160			460		
180			480		
200			500		

TIME START: 0755

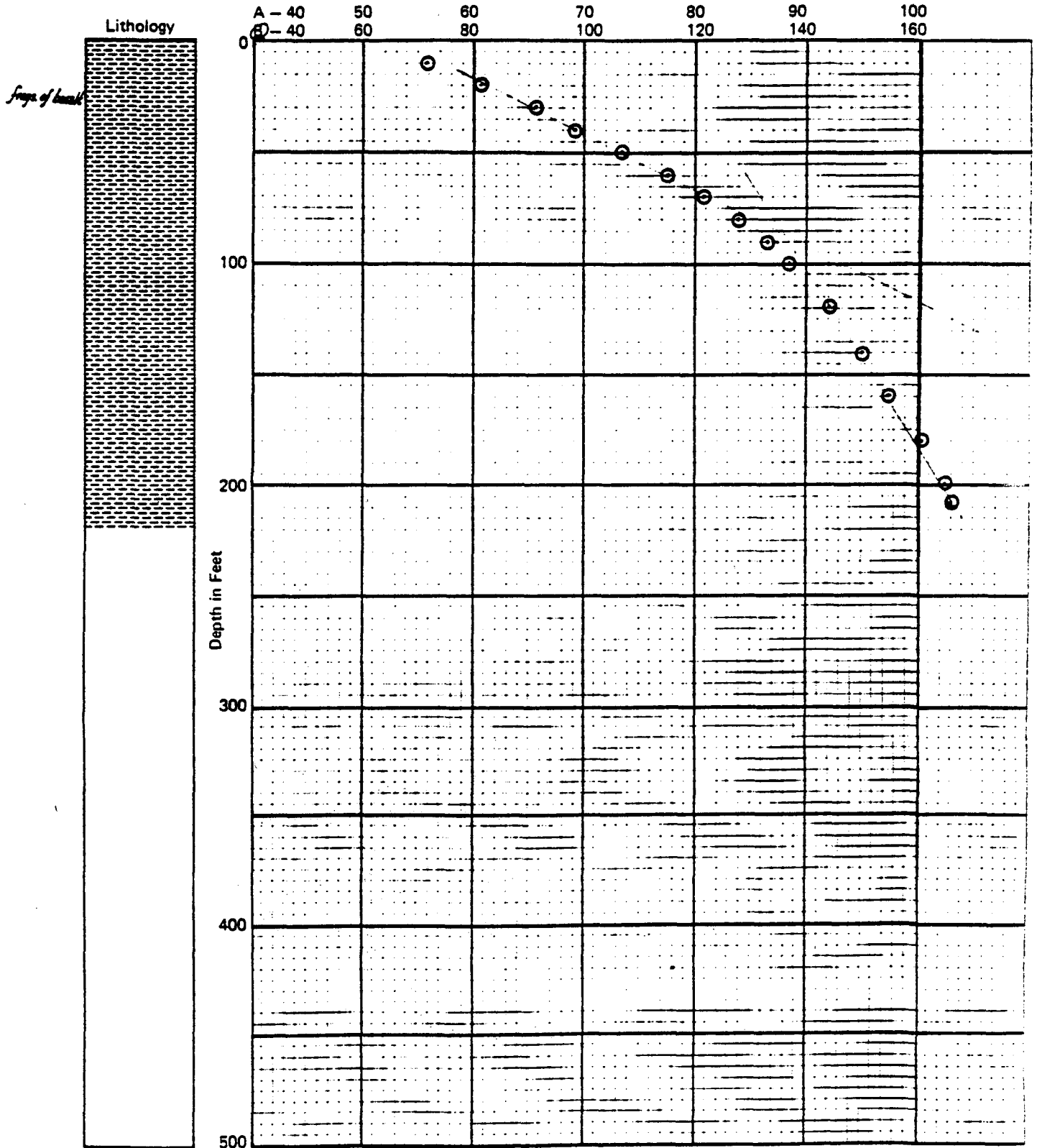
TIME ON BOTTOM: 0900

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emido
 State: Nevada
 Hole No.: 13-77
 Sec., 4 Twp., 29N Rge.: 23E

Date Completed: 11-16-77
 Date Logged: 12-31-77
 Logged By: J. Flinn
 Temp. Probe: Chevron

Temperature in °F
(Circle Scale Used)



Approved: _____

**CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG**

PROSPECT : SAN EDUARDO
 STATE : NEV
 HOLE NO. : 13-77
 S.T.R. : S + T23 N R23E

DATE COMPLETED : 11-1-77
 DATE LOGGED : 12-21-77
 LOGGED BY : FLYNN
 UNIT NO. : 100

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS + THERMISTERS

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3000	71.9	220		
20	2000	81.7	240		
30	1800	91.7	260		
40	1200	99.2	280		
50	1000	107.1	300		
60	900	114.9	320		
70	800	121.6	340		
80	700	127.9	360		
90	600	132.5	380		
100	600	137.1	400		
120	500	144.1	420		
140	500	150.1	440		
160	400	157.9	460		
180	400	160.5	480		
200	300	164.7	500		

TIME START: 10:20

TIME ON BOTTOM: 1:10

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : NEV.
HOLE NO. : 13-77
S.T.R. : 5 + TREN 422E

DATE COMPLETED : 11-11-77
DATE LOGGED : 12-20-77
LOGGED BY : FLEINER
UNIT NO. : 1000

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER

BEGIN - BATT. $\checkmark = 1145$

END - BATT. $\checkmark = 1119$

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2595	72.3	220 227	387	166.2
20	2043	82.3	240		
30	1637	91.9	260		
40	1385	99.5	280		
50	1170	107.3	300		
60	996	114.9	320		
70	866	121.7	340		
80	772	127.7	360		
90	696	133.0	380		
100	645	137.1	400		
120	565	144.3	420		
140	509	150.0	440		
160	469	154.9	460		
180	426	160.5	480		
200	396	164.9	500		

TIME START: 1205

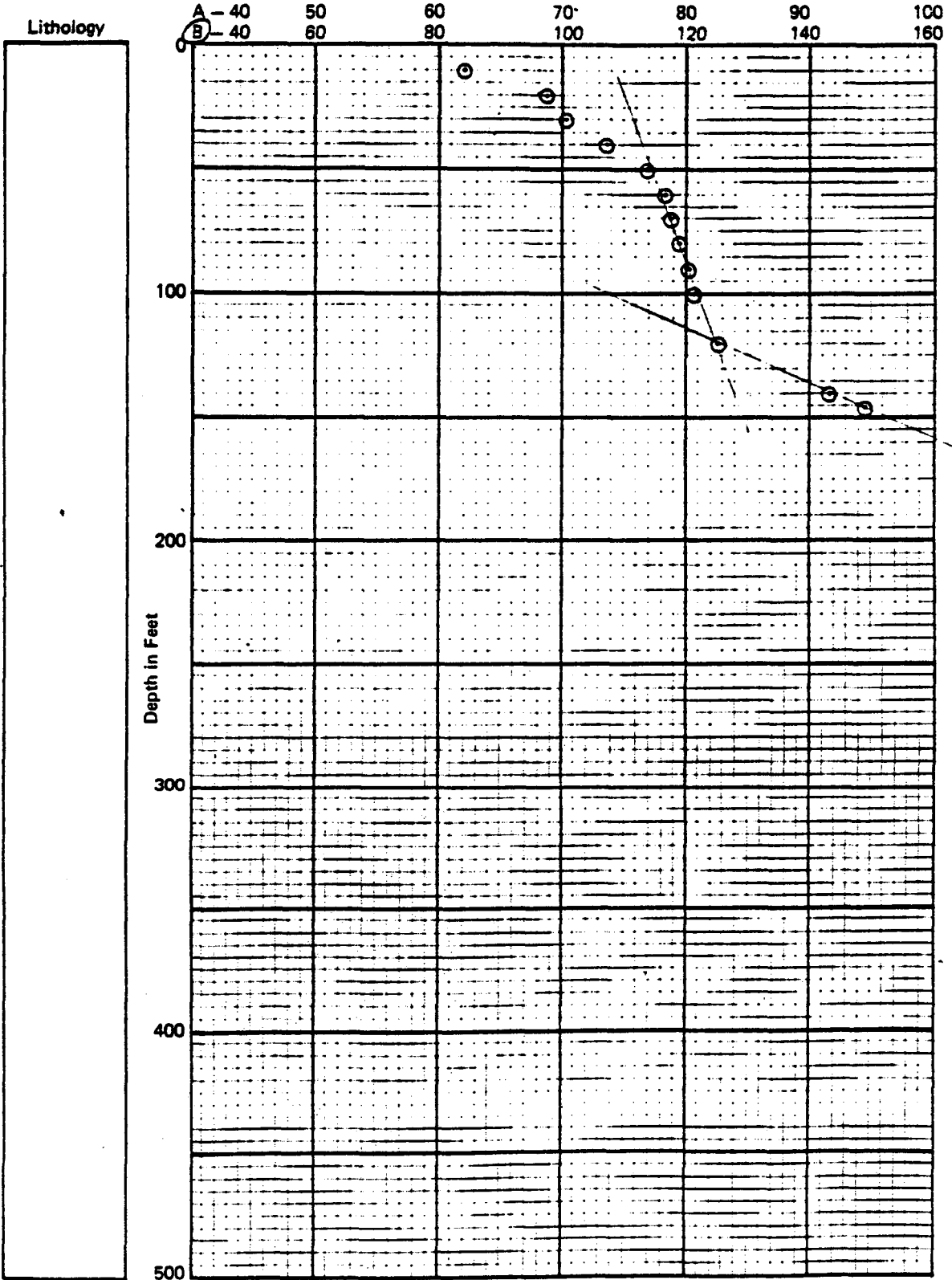
TIME ON BOTTOM: 1310

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emidio
 State: Nevada
 Hole No.: SP-14-77 Shot hole
 Sec., 9 Twp., 29N Rge.: 23E

Date Completed: _____
 Date Logged: 11-16-77
 Logged By: Fleiner
 Temp. Probe: 1100'

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV.
HOLE NO. : SP 14-77
S.T.R. : T29N R23E

DATE COMPLETED : _____
DATE LOGGED : 11-13-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER

BEGIN - BATT. $\checkmark = 1129$

END - BATT. $\checkmark = 1106$

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1953	84.2	220		
20	1738	97.7	240		
30	1347	100.7	260		
40	1166	107.4	280		
50	1016	113.8	300		
60	965	116.5	320		
70	943	117.7	340		
80	918	119.0	360		
90	893	120.3	380		
100	865	121.7	400		
120	809	125.3	420		
140	571	143.7	440		
146 160	518	148.9	460		
180			480		
200			500		

TIME START: 0905

TIME ON BOTTOM: 0935

CHEVRON RESOURCES COMPANY
 GEOTHERMAL DIVISION
 SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
 STATE : NEV
 HOLE NO. : SP14-77
 S.T.R. : T29N R23E

DATE COMPLETED : _____
 DATE LOGGED : 11-16-77
 LOGGED BY : FLEINER
 UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 11.28

END - BATT. V = 11.08

1KΩ

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1,842	86.6	220		
20	1,722	98.2	240		
30	1,349	100.6	260		
40	1,155	107.9	280		
50	1,018	113.7	300		
60	969	116.3	320		
70	946	117.5	340		
80	924	118.6	360		
90	898	120.0	380		
100	871	121.4	400		
120	814	125.0	420		
140	568	144.0	440		
140 160	523	148.5	460		
180			480		
200			500		

TIME START: 11 55

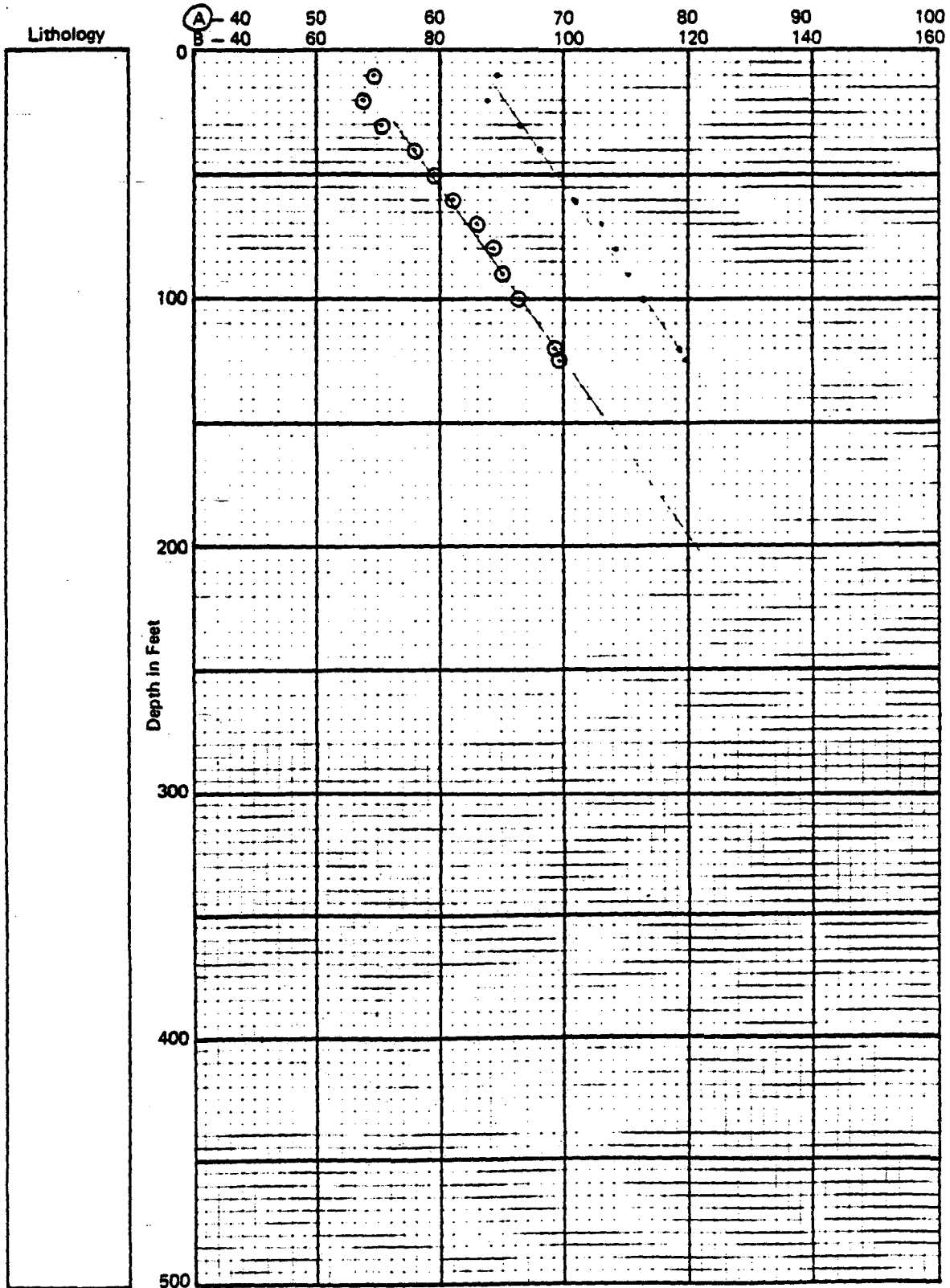
TIME ON BOTTOM: 1 2 35

**CHEVRON RESOURCES CO.
GEOTHERMAL DIVISION**

Prospect: San Emidio
 State: Nevada
 Hole No.: SP-15-77 Shot hole
 Sec., 9 Twp., 29N Rge.: 23E

Date Completed: _____
 Date Logged: 01-16-77
 Logged By: J. Fleiner
 Temp. Probe: Chevron

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : SP 15-77
S.T.R. : T29NR 23E

DATE COMPLETED : _____
DATE LOGGED : 11-12-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 1142 END - BATT. V = 1118

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3125	64.7	220	-	
20	3195	63.4	240		
30	3085	65.2	260		
40	2865	68.0	280		
50	2766	69.5	300		
60	2671	71.1	320		
70	2548	73.0	340		
80	2477	74.2	360		
90	2421	75.1	380		
100	2348	76.2	400		
120	2192	79.2	420		
125 140	2164	79.8	440		
160			460		
180			480		
200			500		

TIME START: 1045

TIME ON BOTTOM: 1130

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
 STATE : NEV.
 HOLE NO. : SP 15-77
 S.T.R. : T29N R3E

DATE COMPLETED : _____
 DATE LOGGED : 11-16-77
 LOGGED BY : FLEINER
 UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT $\checkmark = 1125$

END - BATT $\checkmark = 1107$

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	3,145	64.7	220		
20	3,195	63.4	240		
30	2,985	66.5	260		
40	2,863	68.0	280		
50	2,764	69.6	300		
60	2,674	71.0	320		
70	2,545	73.1	340		
80	2,473	74.2	360		
90	2,413	75.2	380		
100	2,336	76.4	400		
120	2,185	79.4	420		
125 140	2,165	79.8	440		
160			460		
180			480		
200			500		

TIME START: 12 50

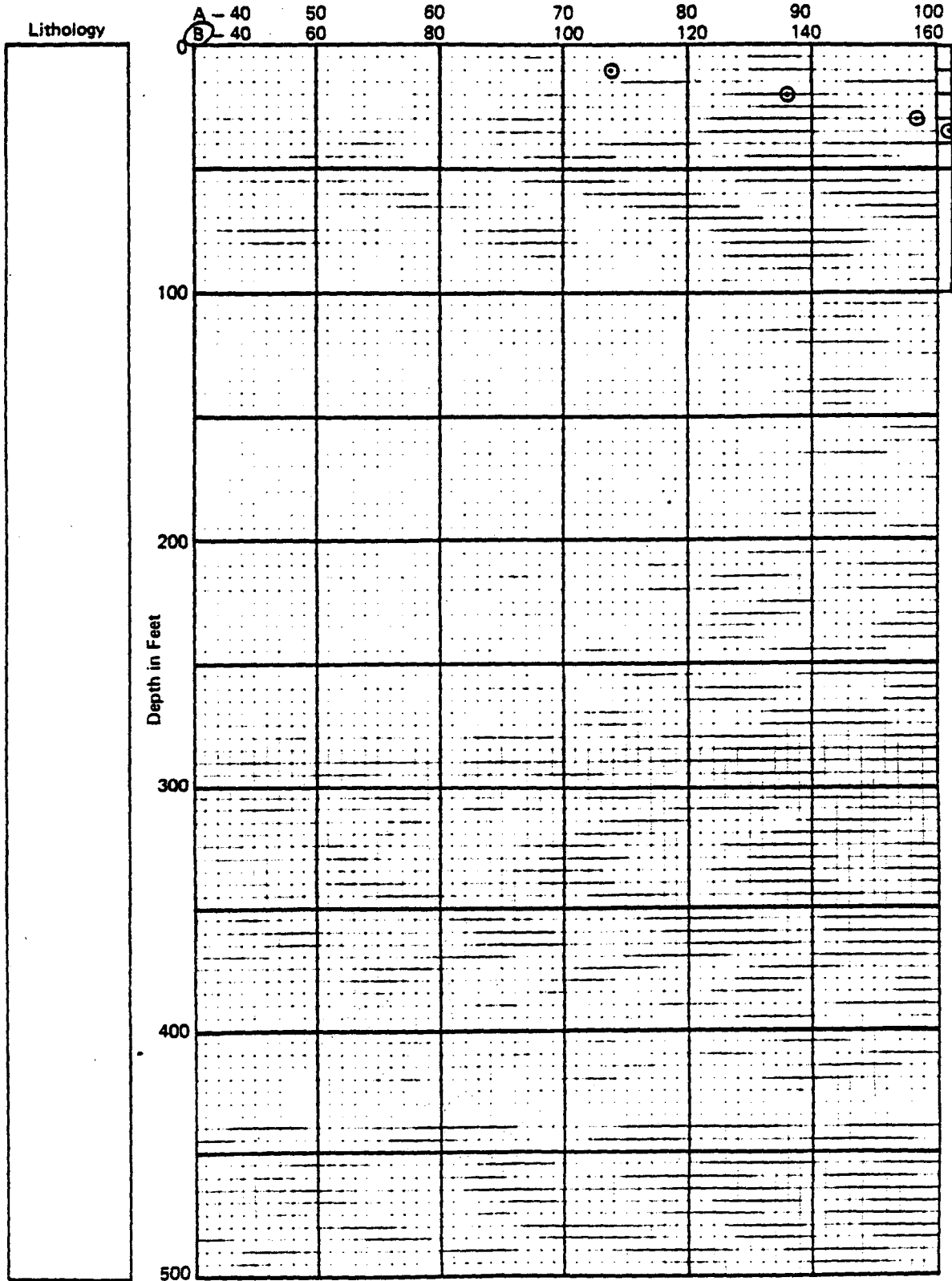
TIME ON BOTTOM: 13 25

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emidio
 State: Nevada
 Hole No.: SP-16-77 shot hole
 Sec., 9 Twp., 29N Rge.: 23E

Date Completed: _____
 Date Logged: 11-16-77
 Logged By: J. Fleener
 Temp. Probe: 1100'

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
 STATE : NEV.
 HOLE NO. : SP 16-77
 S.T.R. : T29N R23E

DATE COMPLETED : _____
 DATE LOGGED : 11-12-77
 LOGGED BY : FLEINER
 UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 1132

END - BATT. V = 1119

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1155	107.9	220		
20	658	136.0	240		
30	450	157.1	260		
35 40	416	161.9	280		
50			300		
60			320		
70			340		
80			360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 12 10

TIME ON BOTTOM: 12 45

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : SP 16-77
S.T.R. : T29N R23E

DATE COMPLETED : _____
DATE LOGGED : 11-16-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER

BEGIN - BATT. V = 1126

END - BATT. V = 1108

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1133	108.8	220		
20	694	137.2	240		
30	449	157.3	260		
40	421	161.2	280		
50			300		
60			320		
70			340		
80			360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1400

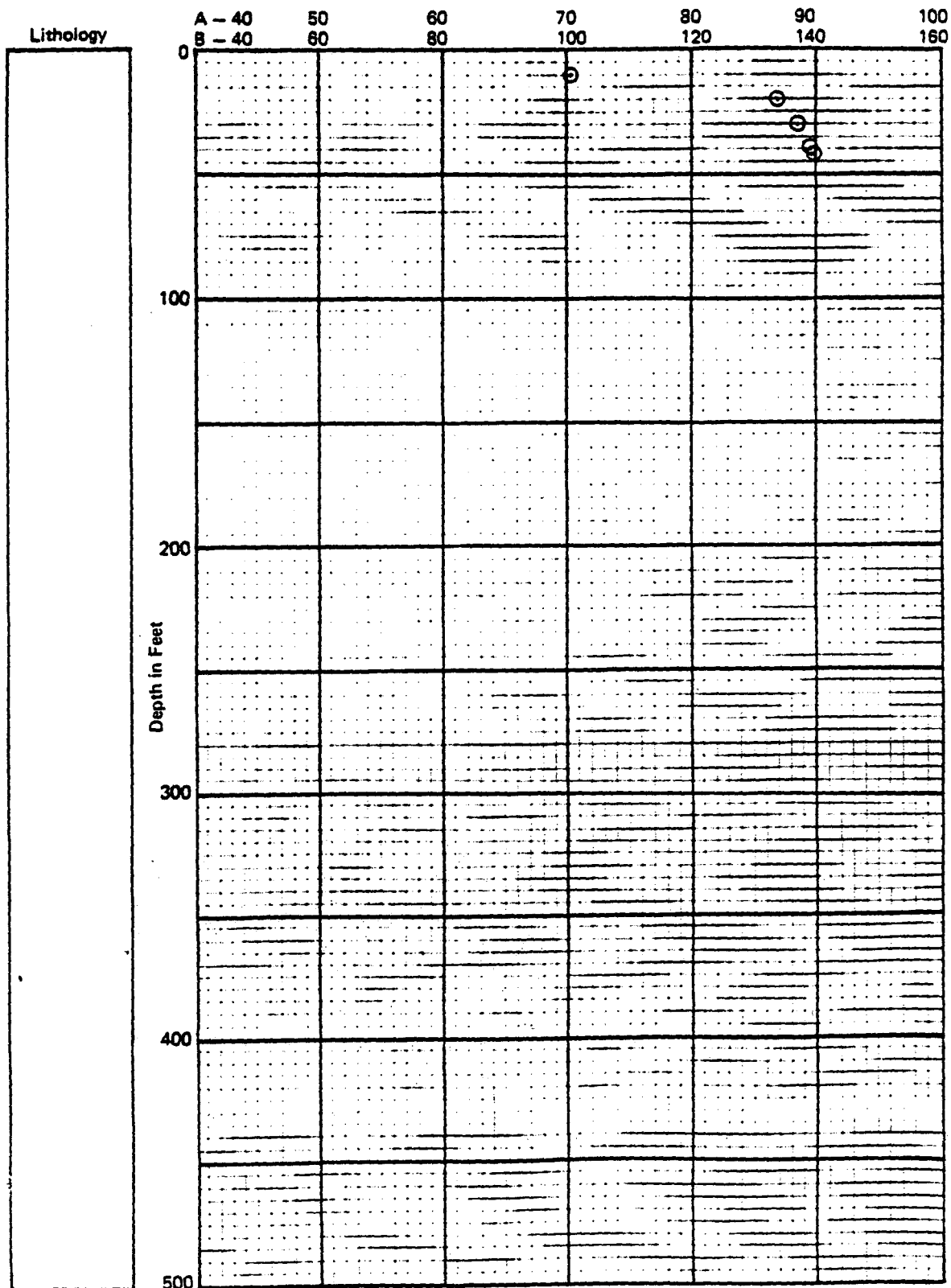
TIME ON BOTTOM: 1935

**CHEVRON RESOURCES CO.
GEOTHERMAL DIVISION**

Prospect: San Ermidia
 State: Nevada
 Hole No.: SP-17-77 Shot hole
 Sec., 4 Twp., 29N Rgs.: 23E

Date Completed: _____
 Date Logged: 11-16-77
 Logged By: Feiner
 Temp. Probe: 1100'

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
 GEOTHERMAL DIVISION
 SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
 STATE : NEV.
 HOLE NO. : SP 17-77
 S.T.R. : T29N R29E

DATE COMPLETED : _____
 DATE LOGGED : 11-13-77
 LOGGED BY : FLEINER
 UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1132

END - BATT. V = 1114

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1355	100.4	220		
20	683	134.0	240		
30	646	137.0	260		
40	617	139.3	280		
42 50	611	139.8	300		
60			320		
70			340		
80			360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 0750

TIME ON BOTTOM: 0825

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV
HOLE NO. : SP 17-77
S.T.R. : T29N R23E

DATE COMPLETED : _____
DATE LOGGED : 11-16-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER.

BEGIN - BATT. V = 1128

END - BATT. V = 1108

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
110 10	1290	102.6	220		
20	684	134.0	240		
30	650	136.7	260		
40	622	138.9	280		
42 50	615	139.5	300		
60			320		
70			340		
80			360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1710

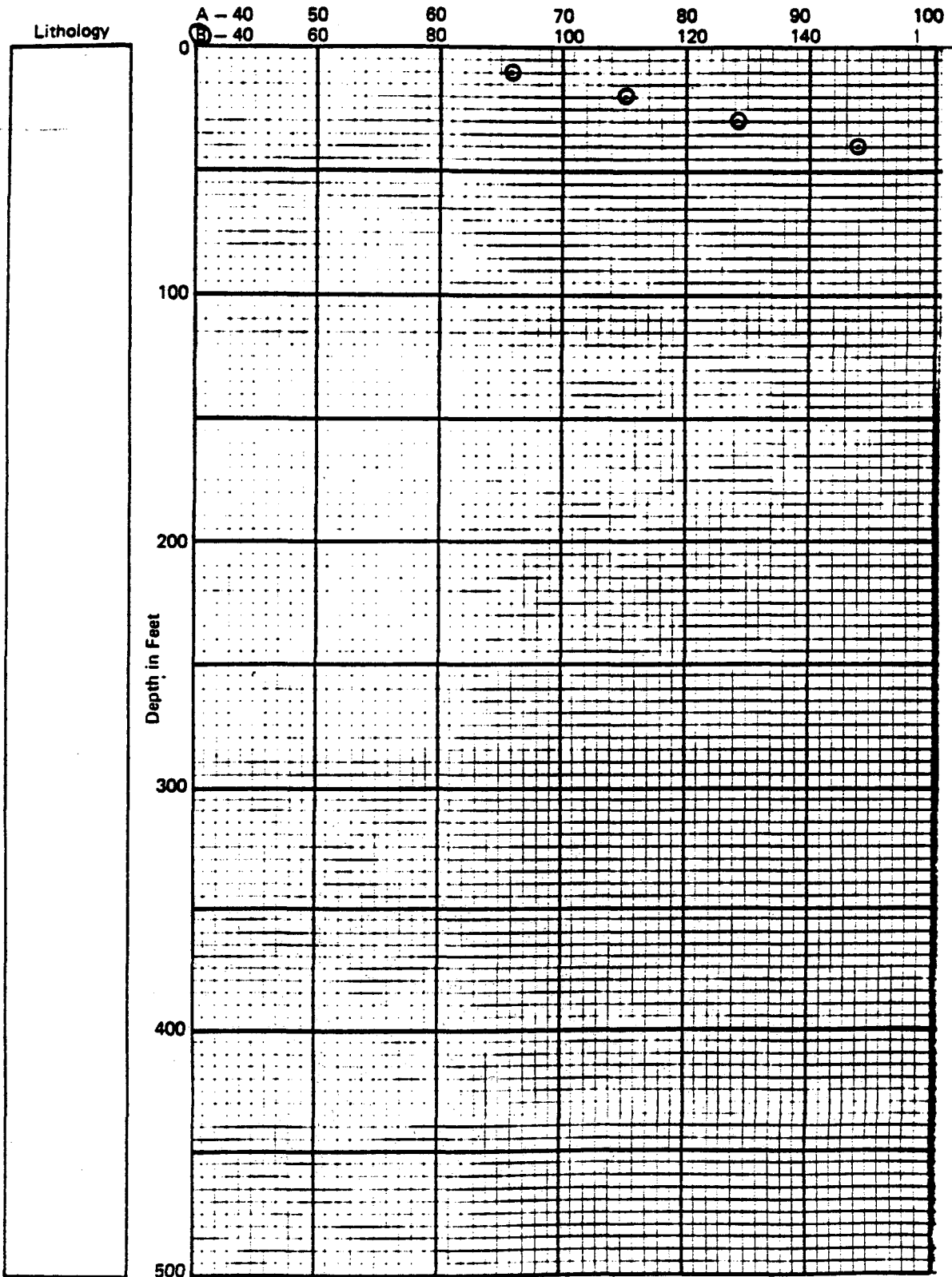
TIME ON BOTTOM: 1755

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Felipe
 State: Nevada
 Hole No.: 18 sh - 77
 Sec., 4 Twp., 28N Rge.: 23E

Date Completed: _____
 Date Logged: 11-16-77
 Logged By: J. Elmer
 Temp. Probe: Chauca

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
STATE : NEV.
HOLE NO. : SP 18-77
S.T.R. : T29N R23E

DATE COMPLETED : _____
DATE LOGGED : 11-12-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED WITH RESISTORS + THERMOMETER

BEGIN - BATT V = 1131

END BATT. V = 1118

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
<u>1K-20</u> 10	<u>1648</u>	<u>91.6</u>	220		
20	<u>1099</u>	<u>110.4</u>	240		
30	<u>763</u>	<u>128.3</u>	260		
40	<u>529</u>	<u>147.9</u>	280		
50	<u>392</u>	<u>165.5</u>	300		
50 60	<u>321</u>	<u>178.2</u>	320		
70			340		
80			360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1320

TIME ON BOTTOM: 1350

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : NEV
HOLE NO. : SP 18-77
S.T.R. : T29N R23E

DATE COMPLETED : _____
DATE LOGGED : 11-16-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER

BEGIN - BATT. V = 1129

END - BATT. V = 1109

1KΩ

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	1774	88.3	220		
20	1104	110.0	240		
30	770	127.8	260		
40	553	147.5	280		
50	400	164.3	300		
50 58	323	177.7	320		
70			340		
80			360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1610

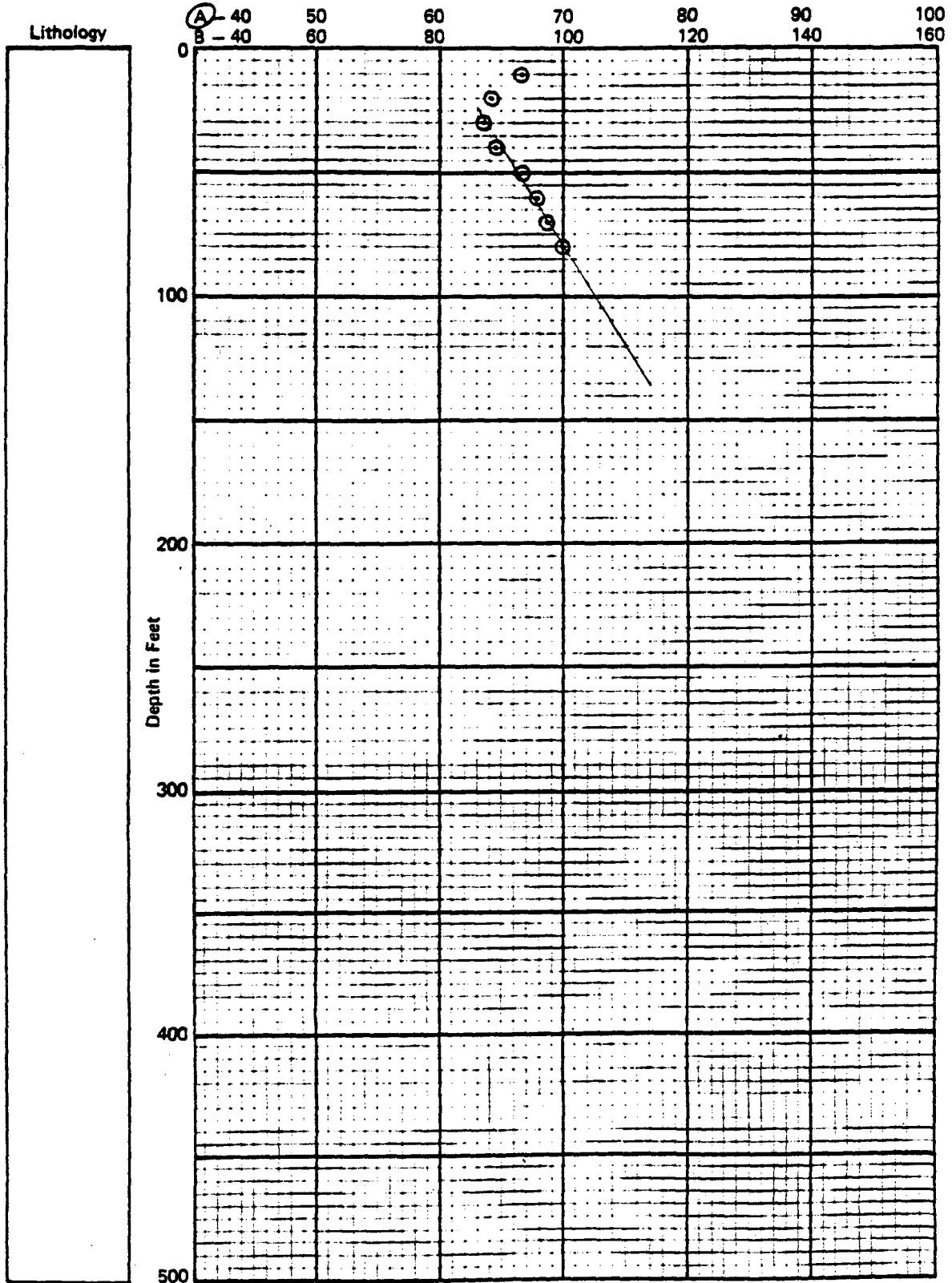
TIME ON BOTTOM: 1645

**CHEVRON RESOURCES CO.
GEOHERMAL DIVISION**

Prospect: San Emidio
 State: Nevada
 Hole No.: SP-19-77 36 in hole
 Sec., Twp., Rge.: R3E

Date Completed: _____
 Date Logged: 11-16-77
 Logged By: Flemer
 Temp. Probe: 1100

Temperature in °F
(Circle Scale Used)



Approved: _____

CHEVRON RESOURCES COMPANY
 GEOTHERMAL DIVISION
 SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMIDIO
 STATE : NEV.
 HOLE NO. : SP 19-77
 S.T.R. : T29N R22E

DATE COMPLETED : _____
 DATE LOGGED : 11-12-77
 LOGGED BY : FLEINER
 UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS + THERMOMETER.

BEGIN - BATT. V = 1131

END - BATT. V = 1111

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10	2,968	66.7	220		
20	3,175	64.1	240		
30	3,225	63.5	260		
40	3,135	64.6	280		
50	2,968	66.7	300		
60	2,873	67.9	320		
70	2,812	68.8	340		
80	2,738	70.0	360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1410

TIME ON BOTTOM: 1435

CHEVRON RESOURCES COMPANY
GEOHERMAL DIVISION
SHALLOW TEMPERATURE HOLE LOG

PROSPECT : SAN EMILIO
STATE : NEV
HOLE NO. : SP 19-77
S.T.R. : T29N R29E

DATE COMPLETED : _____
DATE LOGGED : 11-16-77
LOGGED BY : FLEINER
UNIT NO. : _____

SUMMARY OF LITHOLOGY:

CALIBRATION NOTES: CHECKED, WITH RESISTORS & THERMOMETER,

BEGIN - BATT. V = 1130

END - BATT. V = 1114

DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)	DEPTH (Ft)	RESISTANCE (ohms)	TEMPERATURE (°C/°F)
10KΩ 10	3085	65.2	220		
20	3185	64.0	240		
30	3245	63.2	260		
40	3135	64.6	280		
1KΩ 50	2956	66.8	300		
60	2873	67.9	320		
70	2803	68.9	340		
80	2739	70.0	360		
90			380		
100			400		
120			420		
140			440		
160			460		
180			480		
200			500		

TIME START: 1505

TIME ON BOTTOM: 1545

PROSPECT SAN EMIDIO

<u>Well No.</u>	<u>Depth</u>	<u>Lithology</u>	<u>Comments</u>
1-77	20'-25'	#1 - 60% sub-ang. to sub-round, small-med. gravels + frags of grey slate and shale + quartz; 30% ang., fine-med. sand, 10% unconsolid., brown clay and silt.	H ₂ O at 18' MUD Temp = 86° F.
	40'-45'	#2 - 70% ang., small gravel + frags of red and grey slate, quartz and chert; 20% ang., med.-coarse sand; 10% unconsolid., brown clay and silt.	MUD Temp = 88° F.
	60'-65'	#3 - 50% ang., frags of grey slate, phyllite and argillite, chert, quartz, 40% ang., fine-coarse sand (30% med.); 10% unconsolid., brown clay & silt.	MT = 92° F.
	80'-85'	#4 - 50% ang., frags of grey slate, phyllite & argillite, chert, quartz, 40% ang., fine-coarse sand (30% med.); 10% unconsolid., brown clay & silt.	MT = 102° F.
	100'-105'	#5 - 60% unconsolid., calcareous brown clay and silt; 30% ang., fine-coarse sand (15% fine + 10% coarse); 10% ang. to sub-ang., small gravel + frags of chert and slate.	MT = 104° F.
	120'-125'	#6 - 70% ang., small-med. gravels + frags of grey phyllite and argillite, metasediments and chert. 20% ang., med.-coarse sand, 10% unconsolid., brown clay and silt.	MT = 107° F.
	140'-145'	#7 - 70% ang., small-med. gravels + frags of grey phyllite and argillite, metasediments and chert. 20% ang., med.-coarse sand, 10% unconsolid., brown clay and silt.	MT = 108° F.
	160'-165'	#8 - 80% soft, sandy, calcareous, brown and green-grey clays; 20% ang. to sub-round, small gravel + frags of grey phyllite, chert and quartz.	MT = 111° F.

PROSPECT SAN EMIDIO

<u>Well No.</u>	<u>Depth</u>	<u>Lithology</u>	<u>Comments</u>
1-77	180'-185'	#9 - soft, sandy and silty, calcareous, grey-green clay.	MT = 115° F.
	200'-205'	#10 - soft, sandy and silty, calcareous, grey-green clay.	MT = 118° F.
	220'-225'	#11 - soft, sandy and silty, calcareous, grey-green clay.	MT = 119° F.
	240'-245'	#12 - soft, sandy and silty, calcareous, grey-green clay.	MT = 122° F.
	260'-265'	#13 - soft, sandy and silty, calcareous, grey-green clay.	MT = 117° F. added cold H ₂ O.
	280'-285'	#14 - soft, sandy, calcareous, grey-green clay.	MT = 122° F.
	300'-305'	#15 - 50% soft, sandy and silty, calcareous, grey-green clay; 30% ang., med.-coarse sand; 20% ang., frags, grey phyllite and slate, metasediments and chert.	MT = 124° F.
	320'-325'	#16 - 50% soft, sandy and silty, calcareous, grey-green clay; 30% ang., med.-coarse sand; 20% ang., frags, grey phyllite and slate, metasediments and chert.	MT = 124° F.
	340'-345'	#17 - poorly consolid., sandy and silty, calcareous, grey-green clay.	MT = 102° F. Added cold H ₂ O
	360'-365'	#18 - 70% ang. to sub-ang., small gravel + frags of grey slate, phyllite, argillite and metasediments + chert and quartz. 30% unconsolid., grey-green clay.	MT = 112° F.
	380'-385'	#19 - 60% ang., fine-coarse sand (20% fine & 30% med.); 30% ang. to sub-ang., small gravel + frags of grey slate, phyllite and argillite, + quartz and chert.	MT = 115° F.

PROSPECT SAN EMIDIO

<u>Well No.</u>	<u>Depth</u>	<u>Lithology</u>	<u>Comments</u>
1-77	400'-405'	#20 - 70% ang. to sub-ang., small gravel + frags of grey slate, phyllite, argillite and metasediments + chert and quartz. 30% unconsolid., grey-green clay.	MT = 121° F.
	420'-425'	#21 - 70% ang. to sub-ang., small gravel + frags of grey slate, phyllite, argillite and metasediments + chert and quartz. 30% unconsolid., grey-green clay.	MT = 124° F.

PROSPECT SAN EMIDIO

<u>Well No.</u>	<u>Depth</u>	<u>Lithology</u>	<u>Comments</u>
2-77	20'-25'	#1 - 80% soft, brown-yellow, sandy and silty clay, 20% ang., small gravel + frags of light-grey mudstone.	
	40'-45'	#2 - 60% ang., fine-coarse sand (30% fine and 20% med.); 30% unconsolid., yellow and brown clays; 10% ang. to sub-ang., small gravels.	
	60'-65'	#3 - 70% unconsolid., brown-yellow clay and silt; 20% ang., fine-coarse sand; 10% ang., small gravel.	
	80'-85'	#4 - 90% hard, sandy and silty, calcareous, grey clay; 10% ang. to sub-ang., sand and small gravel.	
	100'-105'	#5 - ang., frags of grey, silty mudstone.	
	120'-125'	#6 - 60% unconsolid green-grey clay and silt, 10% ang., frags of green-grey mudstone and siltstone.	
	140'-145'	#7 - 60% unconsolid green-grey clay and silt, 10% ang., frags of green-grey mudstone and siltstone.	
	160'-165'	#8 - 60% unconsolid green-grey clay and silt, 10% ang., frags of green-grey mudstone and siltstone.	
	180'-185'	#9 - ang., frags of green-grey siltstone.	
	200'-205'	#10 - soft, green-grey, silty clay.	
	220'-225'	#11 - soft, grey, silty clay.	
	240'-245'	#12 - 60% frags of green-grey siltstone; 40% unconsolid., green-grey clay and silt.	
	260'-265'	#13 - 70% soft, green-grey, silty clay, 30% frags of green-grey, siltstone.	

PROSPECT SAN EMIDIO

<u>Well No.</u>	<u>Depth</u>	<u>Lithology</u>	<u>Comments</u>
2-77	280'-285'	#14 - frags of green-grey siltstone.	
	300'-305'	#15 - frags of green-grey siltstone.	
	320'-325'	#16 - 80% frags of red-brown siltstone; 20% unconsolid., green-grey clay and silt.	
	340'-345'	#17 - frags of red-brown siltstone.	
	360'-365'	#18 - 90% frags of red-brown siltstone; 10% frags of grey and green-grey siltstone.	
	380'-385'	#19 - frags of brown-grey and grey-green siltstone.	H ₂ O at 380'. H ₂ O Temp. = 78° F.
	400'-405'	#20 - frags of brown-grey and grey-green siltstone.	H ₂ O Temp. = 78° F.
	420'-425'	#21 - frags of brown-grey and grey-green siltstone.	H ₂ O Temp. = 78° F.
	440'-445'	#22 - 80% frags of brown and grey siltstone; 20% unconsolid., grey and brown, clay and silt + some frags of chert.	H ₂ O Temp. = 79° F.
	460'-465'	#23 - 80% frags of brown and grey siltstone; 20% unconsolid., grey and brown, clay and silt + some frags of chert.	H ₂ O Temp. = 79° F.
	480'-485'	#24 - frags of brown and green siltstone.	H ₂ O Temp. = 79° F.
	495'-500'	#25 - frags of brown and green siltstone.	H ₂ O Temp. = 80° F.

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 3-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0907	15-20	#1 - ang. to sub-ang. gravels	MT = 80°F
0915	35-40	#2 - same as #1.	MT = 80°F
0925	55-60	#3 - 50% ang. to sub.-ang. gravels; 25% unconsolid., brown, silty clay, 25% ang. to sub-round sands	MT = 80°F
0935	75-80	#4 - ang. to sub-ang. gravels and cobbles	MT = 80°F
0948	95-100	#5 - same as #4	MT = 80°F
1008	115-120	#6 - 50% ang. to sub-ang. gravels and cobbles, 25% unconsolid., brown, silty clay, 25% ang. to sub-ang. sands	MT = 80°F
1038	135-140	#7 - ang. to sub-ang. gravels and cobbles	MT = 80°F
1115	155-160	#8 - same as #7	MT = 80°F
1145	175-180	#9 - 75% ang. to sub-ang. gravels and cobbles, 25% unconsolid., brown, silty clay.	MT = 80°F
1155	195-200	#10 - same as #9	MT = 80°F
1208	215-220	#11 - same as #9	MT = 80°F
1215	235-240	#12 - 50% ang. to sub-ang. gravels, 50% ang. to sub-ang. sands	MT = 80°F
1228	255-260	#13 - 50% unconsolid., brown, silty clay, 50% ang. to sub-ang. sands	MT = 80°F
1234	275-280	#14 - same as #13	MT = 80°F
1240	295-300	#15 - same as #13	MT = 80°F
1249	315-320	#16 - 75% ang. to sub-ang. sands, 25% unconsolid., brown, silty clay	MT = 80°F
1254	335-340	#17 - same as #16	MT = 80°F

<u>Time</u>	<u>Depth (Ft.)</u>		
1303	355-360	#18 - same as #16	MT = 80°F
1315	375-380	#19 - 50% ang. to sub-ang. sands, 25% ang. to sub-ang. gravels, 25% unconsolid., brown, silty clay	MT = 80°F
1335	395-400	#20 - 50% ang. to sub-ang. gravels, 25% ang. to sub-ang. sands, 25% unconsolid., brown silty clay	MT = 80°F
1345	415-420	#21 - same as #20	MT = 80°F
1358	435-440	#22 - same as #20	MT = 80°F
1410	455-460	#23 - same as #20	MT = 80°F
1418	475-480	#24 - same as #20	MT = 80°F
1430	495-500	#25 - 50% ang. to sub-ang. sands, 25% ang. to sub-ang. gravels, 25% unconsolid., brown, silty clay.	MT = 85°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 4-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0920	15-20	#1 - sub-round, coarse, basaltic gravels	MT = 85°F
0944	35-40	#2 - same as #1	MT = 80°F
0955	55-60	#3 - 90% sub-round gravels, 10% tan clay	MT = 85°F
1030	75-80	#4 - same as #3	MT = 82°F
1047	95-100	#5 - 80% basaltic gravels and cobbles, 20% tan clay	MT = 75°F
1100	115-120	#6 - same as #5	MT = 77°F
1107	135-140	#7 - same as #5	MT = 75°F
1112	155-160	#8 - same as #5	MT = 75°F
1119	175-180	#9 - soft, grey-green clay, some ang. volcanic frags.	MT = 75°F
1130	195-200	#10 - same as #9	MT = 75°F
1140	215-220	#11 - same as #9	MT = 80°F
1150	235-240	#12 - same as #9	MT = 75°F
1200	255-260	#13 - same as #9	MT = 80°F
1205	275-280	#14 - same as #9	MT = 80°F
1210	295-300	#15 - same as #9	MT = 82°F
1224	315-320	#16 - same as #9	MT = 80°F
1235	335-340	#17 - soft, grey-green clay and some ang. frags. of basalt	MT = 80°F
1245	355-360	#18 - same as #9	MT = 80°F
1252	375-380	#19 - 50% soft, tan clay, 50% basaltic gravels and cobbles	MT = 80°F
1300	395-400	#20 - same as #19	MT = 81°F

<u>Time</u>	<u>Depth (Ft.)</u>		
1305	415-420	#21 - same as #19	MT = 80°F
1313	435-440	#22 - same as #19	MT = 84°F
1324	455-460	#23 - Soft grey-green clay, and some ang. frags. of volcanics	MT = 80°F
1340	475-480	#24 - same as #23	MT = 80°F
1400	495-500	#25 - same as #23	MT = 80°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 5-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0930	15-20	#1 - soft, tan clay, and ang. volcanic frags (basalt and tuff)	MT = 80°F
0937	35-40	#2 - 80% ang., basaltic gravels and cobbles, 20% soft tan clay	MT = 80°F
0941	55-60	#3 - same as #2	MT = 80°F
0946	75-80	#4 - same as #2	MT = 80°F
0951	95-100	#5 - 90% ang. to sub-round coarse sand, and some frags. of basalt, 10% tan clay	MT = 80°F
0957	115-120	#6 - same as #5	MT = 75°F
1005	135-140	#7 - same as #5	MT = 75°F
1018	155-160	#8 - same as #5	MT = 75°F
1030	175-180	#9 - same as #5	MT = 75°F
1050	195-200	#10 - same as #5	MT = 75°F
1127	215-220	#11 - same as #5	MT = 75°F
1145	235-240	#12 - same as #5	MT = 75°F
1205	255-260	#13 - ang., coarse, basaltic sand and some clay	MT = 75°F
1230	275-280	#14 - same as #13	MT = 75°F
1300	295-300	#15 - same as #13	MT = 75°F
1330	315-320	#16 - same as #13	MT = 75°F
1400	335-340	#17 - same as #13	MT = 75°F
1432	355-360	#18 - same as #13	MT = 75°F
1500	375-380	#19 - same as #13	MT = 80°F
1512	395-400	#20 - same as #13	MT = 80°F
1525	415-420	#21 - same as #13	MT = 80°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 6-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0935	15-20	#1 - 90% ang. to sub-round gravels and cobbles, 10% unconsolid. brown clay and silt, a few gastropod shells	MT = 80°F
0945	35-40	#2 - same as #1	MT = 78°F
0950	55-60	#3 - ang. to sub-ang., med.-large gravels and cobbles and boulders	MT = 75°F
0955	75-80	#4 - same as #3	MT = 75°F
1001	95-100	#5 - same as #3	MT = 75°F
1007	115-120	#6 - same as #3	MT = 75°F
1015	135-140	#7 - 75% ang. to sub-round small-large gravels and cobbles, 25% sub-ang. sands	MT = 75°F
1019	155-160	#8 - same as #7	MT = 75°F
1048	175-180	#9 - same as #7	MT = 75°F
1056	195-200	#10 - same as #7	MT = 75°F
1103	215-220	#11 - ang. to sub-ang. gravels and cobbles	MT = 75°F
1110	235-240	#12 - ang. to sub-ang. gravels and cobbles, 25% ang. to sub-ang. sands, 25% unconsolid. red-brown, silty clay	MT = 75°F
1115	255-260	#13 - same as #12	MT = 75°F
1122	275-280	#14 - 50% unconsolid. red-brown, silty clay, 25% sub-ang. gravels, 25% ang. to sub-ang. sands	MT = 75°F
1128	295-300	#15 - same as #14	MT = 75°F
1138	315-320	#16 - same as #14	MT = 75°F
1141	335-340	#17 - ang. to sub-ang. gravels and some sand	MT = 75°F

<u>Time</u>	<u>Depth (Ft.)</u>		
1152	355-360	#13 - 50% ang. to sub-ang. gravels, 25% unconsolid. red-brown, silty clay, 25% ang. to sub-ang. sands	MT = 75°F
1200	375-380	#19 - same as #18	MT = 75°F
1207	395-400	#20 - same as #18	MT = 75°F
1217	415-420	#21 - 50% sub-ang. to sub-round sands, 25% sub-ang. to sub-round gravels, 25% unconsolid. brown, silty sand	MT = 80°F
1225	435-440	#22 - 50% sub-ang. to sub-round sands, 25% sub-ang. to sub-round gravels, 25% unconsolid. brown, silty clay	MT = 75°F
1237	455-460	#23 - same as #22	MT = 75°F
1247	475-480	#24 - 50% ang. to sub-ang. gravels, 50% ang. to sub-ang. sands	MT = 75°F
1300	495-500	#25 - same as #24	MT = 75°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 7-77

<u>Time</u>	<u>Depth (Ft.)</u>		
1040	15-20	#1 - ang. gravels and some frags. of carbonate	MT = 75°F
1100	35-40	#2 - same as #1	MT = 75°F
1105	55-60	#3 - same as #1	MT = 75°F
1115	75-80	#4 - 90% ang. gravels, 10% tan clay	MT = 75°F
1120	95-100	#5 - same as #1	MT = 75°F
1135	115-120	#6 - same as #1	MT = 75°F
1145	135-140	#7 - same as #1	MT = 75°F
1200	155-160	#8 - 90% volcanic gravels and cobbles, 10% tan clay	MT = 75°F
1214	175-180	#9 - same as #8	MT = 75°F
1225	195-200	#10 - same as #8	MT = 75°F
1245	215-220	#11 - ang. frags. of weathered basalt	MT = 75°F
1300	235-240	#12 - sub-ang. to sub-round, volcanic gravels	MT = 75°F
1309	255-260	#13 - 90% sub-ang. to sub-round volcanic gravels, 10% tan clay	MT = 75°F
1323	275-280	#14 - sub-ang. to sub-round volcanic gravels	MT = 75°F
1333	295-300	#15 - same as #14	MT = 75°F
1347	315-320	#16 - same as #14	MT = 75°F
1400	335-340	#17 - same as #14	MT = 75°F
1410	355-360	#18 - same as #14	MT = 75°F
1430	375-380	#19 - same as #14	MT = 75°F
1445	395-400	#20 - same as #14	MT = 75°F
1500	415-420	#21 - ang. frags. of basalt	MT = 75°F Hard rock at 405'

LITHOLOGIC WELL LOG

Sam Emidio
Nevada
Well No. 8-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0915	15-20	#1 - Poorly consolid., tan, calcareous, silty clay	MT = 85°F
0925	35-40	#2 - coarse sand and some tan clay	MT = 90°F
0935	55-60	#3 - soft, grey-green, silty clay and a few ang. frags. of basalt	MT = 90°F
0957	75-80	#4 - Soft, grey-green and tan, calcareous, silty clays	MT = 104°F
1043	95-100	#5 - ang. frags. of weathered basalt	MT = 107°F
1055	115-120	#6 - soft, grey-green clay and some ang. frags. of basalt	MT = 115°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 9-77

<u>Time</u>	<u>Depth (Ft.)</u>		
1315	15-20	#1 - sub-ang. to sub-round gravels and cobbles	MT = 85°F
1330	35-40	#2 - 50% unconsolid., brown, silty, calcareous clay, 50% sub-ang. gravels and sands	MT = 85°F
1345	55-60	#3 - 75% poorly consolid., gray-brown, silty clay, 25% ang. frags. of gray-brown and gray-green, siltstone and some gravels	Partial loss of circulation
1350	75-80	#4 - same as #3	MT = 90°F
1355	95-100	#5 - soft, gray, silty, calcareous clay	MT = 90°F Lost circulation
1403	115-120	#6 - soft, green-gray and gray, silty clays	MT = 90°F Lost circulation
1452	135-140	#7 - soft, gray-green, silty, calcareous clay	MT = 90°F Lost circulation
1500	155-160	#8 - same as #7	MT = 92°F
1515	175-178	#9 - same as #7	MT = 90°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 10-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0910	15-20	#1 - 75% soft, gray-brown, silty clay, 25% ang. frags. of calcareous tuffa and some sub-ang. gravels	MT = 85°F
0920	35-40	#2 - 75% soft to hard calcareous gray-brown and gray-green, silty clay, 25% ang. frags. of calcareous tuffs and some sub-ang. gravels	MT = 85°F
0927	55-60	#3 - ang. frags. of dark green-gray basalt with some carbonate veining	MT = 85°F
0931	75-80	#4 - 75% poorly consolid., silty calcareous clay, 25% ang. frags. of basalt and some frags. of calcareous tuffa	MT = 80°F
0936	95-100	#5 - 75% sub-ang. gravels and frags. of calcareous tuffa, 25% poorly consolid., silty, green and gray, calcareous clay	MT = 82°F
0945	115-120	#6 - same as #5	MT = 85°F
0950	135-140	#7 - same as #5	MT = 90°F
0955	155-160	#8 - 90% soft, gray and green-gray silty, calcareous clays, 10% sub-ang. gravels	MT = 90°F
1000	175-180	#9 - 50% ang. to sub-ang. gravels and cobbles, 50% soft, gray and green-gray, silty, calcareous clay	MT = 90°F
1005	195-200	#10 - same as #9	MT = 95°F
1013	215-220	#11 - same as #9	MT = 90°F

LITHOLOGIC WELL LOG

San Emidio
Nevada

Well No. 11-77

<u>Time</u>	<u>Depth (Ft.)</u>		
1255	15-20	#1 - 90% sub-ang., gravels, 10% soft, light-gray clay	MT = 85°F
1320	35-40	#2 - same as #1	MT = 79°F
1332	55-60	#3 - Soft, gray-green clay and some ang. frags. of basalt	MT = 75°F
1339	75-80	#4 - same as #3.	MT = 75°F
1344	95-100	#5 - same as #3	MT = 80°F
1421	115-120	#6 - same as #3	MT = 84°F
1435	135-140	#7 - same as #3	MT = 84°F
1444	155-160	#8 - same as #3	MT = 85°F
1455	175-180	#9 - same as #3	MT = 84°F
1505	195-200	#10- same as #3	MT = 84°F
1530	215-220	#11- same as #3	MT = 80°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 12-77

<u>Time</u>	<u>Depth (Ft.)</u>		
1240	15-20	#1 - 75% ang. frags. of gray and brown, calcareous, siltstone, 25% unconsolid. gray, silty calcareous clay	MT = 85°F
1250	35-40	#2 - 75% unconsolid. gray, silty calcareous clay, 25% sub-ang. gravels and ang. frags. of calcareous siltstone	MT = 85°F
1255	55-60	#3 - sub-ang. to sub-round gravels and cobbles	MT = 100°F
1300	75-80	#4 - same as #3	MT = 103°F
1327	95-100	#5 - same as #3	MT = 105°F
1520	115-120	#6 - ang. frags. of gray, calcareous siltstone and sub-ang. to sub-round gravels	MT = 110°F

LITHOLOGIC WELL LOG

San Emidio
Nevada
Well No. 13-77

<u>Time</u>	<u>Depth (Ft.)</u>		
0855	15-20	#1 - Poorly consolid., gray-green clay and some ang. frags. of weathered basalt	MT = 78°F
0911	35-40	#2 - same as #1	MT = 75°F
0924	55-60	#3 - same as #1	MT = 75°F
0934	75-80	#4 - same as #1	MT = 80°F
0959	95-100	#5 - same as #1	MT = 73°F
1009	115-120	#6 - same as #1	MT = 70°F
1022	135-140	#7 - same as #1	MT = 85°F
1033	155-160	#8 - same as #1	MT = 82°F
1045	175-180	#9 - same as #1	MT = 80°F
1102	195-200	#10 - same as #1	MT = 85°F
1119	215-220	#11 - same as #1	MT = 92°F

STATE: Nevada

AREA, SPRING, OR WELL NAME San Emidio Temp. Hole 1-77A

LOCATION NE 1/4 of SE 1/4 of Sec 33 T30N R23E

COUNTY Washoe

DATE 6-18-77

DISCHARGE None

DEPOSITS None

TEMP 127°F

pH (field)

ANALYSIS (collected by or source:)

TDS 4,300

Cl 1600

Spec cond 6560

SO₄ 220

Na 1300

CO₃ < 2

K 120

HCO₃ 50

Ca 130

F 3.1

Mg 2.1

B 3.6

Mn .07

SiO₂ 140

Hg

pH (lab) 7.7

As .14

Other

U < 2

Al < 1

Fe .5

Li 3.0

ESTIMATED BASE TEMPERATURES

SiO₂, Max steam loss: 302°F

SiO₂, no steam loss: 314°F

Na/K: 346°F

Na/K/Ca: 386°F

Other:

STATE: Nevada

AREA, SPRING, OR WELL NAME San Emidio Temp Hole 2-77

LOCATION SE 1/4 of SE 1/4 of Sec 33 T30N R23E

COUNTY Washoe DATE 6-17-77

DISCHARGE None DEPOSITS None

TEMP 78°F

pH (field)

ANALYSIS (collected by or source:)

TDS	3000	Cl	550
Spec cond	4,300	SO ₄	1750
Na	640	CO ₃	22
K	6.6	HCO ₃	35
Ca	310	F	1.4
Mg	7.3	B	.7
Mn	.49	SiO ₂	5.6
Hg		pH (lab)	7.2
As	<.05	Other	
U	< 2		
Al	.6		
Fe	.4		
Li	.38		

ESTIMATED BASE TEMPERATURES

SiO ₂ , Max steam loss:	- 0 -	SiO ₂ , no steam loss:	71°F
Na/K:	61°F	Na/K/Ca:	119°F
Other:			

PROGRAM UPDATED 2/24/77

AREA: SED&EM

CATION GEOTHERMOMETRY

STATION	PPM NA	PPM K	PPM CA	NA-K TEMP C	NA-K TEMP F	NAKCA TEMP C	NAKCA TEMP F	CONST. USED
SED1	1300.0	120.0	130.0	175.	346.	197.	386.	1/3
SED2	640.0	8.6	310.0	16.	61.	48.	119.	4/3
BM16	74.0	9.6	30.0	216.	421.	85.	185.	4/3

SILICA GEOTHERMOMETRY

STATION	PPM SiO2	MAX STEAM LOSS TEMP C	NO STEAM LOSS TEMP C	CHERT TEMP C	CRISTOB TEMP C	GLASS TEMP C
SED1	140.0	149.	157.	133.	107.	35.
SED2	5.6	8888.	22.	8888.	-25.	9999.
BM16	40.0	8888.	92.	61.	42.	8888.

SILICA GEOTHERMOMETRY

STATION	PPM SiO2	MAX STEAM LOSS TEMP F	NO STEAM LOSS TEMP F	CHERT TEMP F	CRISTOB TEMP F	GLASS TEMP F
SED1	140.0	301.	314.	271.	224.	95.
SED2	5.6	8888.	71.	8888.	-13.	9999.
BM16	40.0	8888.	197.	142.	107.	8888.

8888. INDICATES THE LOWER BOUND OF THE EQUATION HAS BEEN EXCEEDED.

9999. INDICATES THE UPPER BOUND OF THE EQUATION HAS BEEN EXCEEDED.

ENTER DATA

> @DATA STOP= YES ; @END

10.40.59 >LOG
INVALID OSS COMMAND

10.41.09 >LOG
VPO=\$ 0.29, I/O=\$ 0.00, CON=\$ 1.76, TOT=\$ 1.75
70 VPO'S, .24 CONNECT HRS, 300 I/O
LOGGED OFF AT 10.41.19 ON 03A0577

SKYLINE LABS, INC.

SPECIALISTS IN EXPLORATION GEOCHEMISTRY

12090 WEST 50TH PLACE • WHEAT RIDGE, COLORADO 80033 • TEL: (303) 424-7718

REPORT OF ANALYSIS

Job No. 120392
July 30, 1977

Chevron Oil Company
Minerals Staff
Attention: Roger J. Allmendinger
575 Market Street
San Francisco, California 94105

Analysis of 3 Water Samples

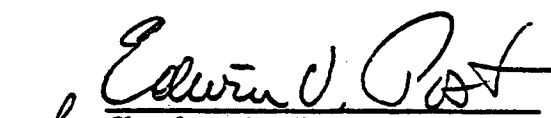
Item	Sample Number		Na (mg/l)	K (mg/l)	Mg (mg/l)	Ca (mg/l)	Li (mg/l)
1.	San Emidio #1	acid	1,300	120.	2.1	130	3.0
2.	San Emidio #2	acid	640	6.6	7.3	310	.38
3.	Battle Mountain #16	raw	74	9.6	7.0	30	.08

Item	Sample Number		Al (mg/l)	Mn (mg/l)	Fe (mg/l)	U (mg/l)
1.	San Emidio #1	acid	<.1	.07	.5	<2
2.	San Emidio #2	acid	.6	.49	.4	<2
3.	Battle Mountain #16	raw	<.1	.31	1.8	<2

Item	Sample Number		As (mg/l)	B (mg/l)	SO ₄ (mg/l)	F (mg/l)	Cl (mg/l)
1.	San Emidio #1	raw	.14	3.6	220	3.1	1,600
2.	San Emidio #2	raw	<.05	.7	1,750	1.4	550
3.	Battle Mountain #16	raw	<.05	<.1	150	.70	22

Item	Sample Number		CO ₃ (mg/l)	HCO ₃ (mg/l)	pH	Specific Conductance (micromhos/cm)
1.	San Emidio #1	raw	<2	50	7.7	6,560
2.	San Emidio #2	raw	<2	35	7.2	4,300
3.	Battle Mountain #16	raw	<2	160	7.6	604

Item	Sample Number		TDS (mg/l)	SiO ₂ (mg/l)
1.	San Emidio #1	raw	4,300	*
2.	San Emidio #1	dilute	*	14.
3.	San Emidio #2	raw	3,000	5.6
4.	Battle Mountain #16	raw	400	40.


 Charles E. Thompson
 Chief Chemist

* Analysis not requested

San Emido Desert
Seismic Shot Point Temperatures

Line # 1

<u>S. P. #</u>	<u>Depth</u>	<u>Temperature</u>
24	22'	65°F
40	15'	63°F
62	250'	109°F
62	150'	103°F
68	150'	87°F
70	120'	71°F

San Emido Desert
Seismic Shot Point Temperatures
Line # 2

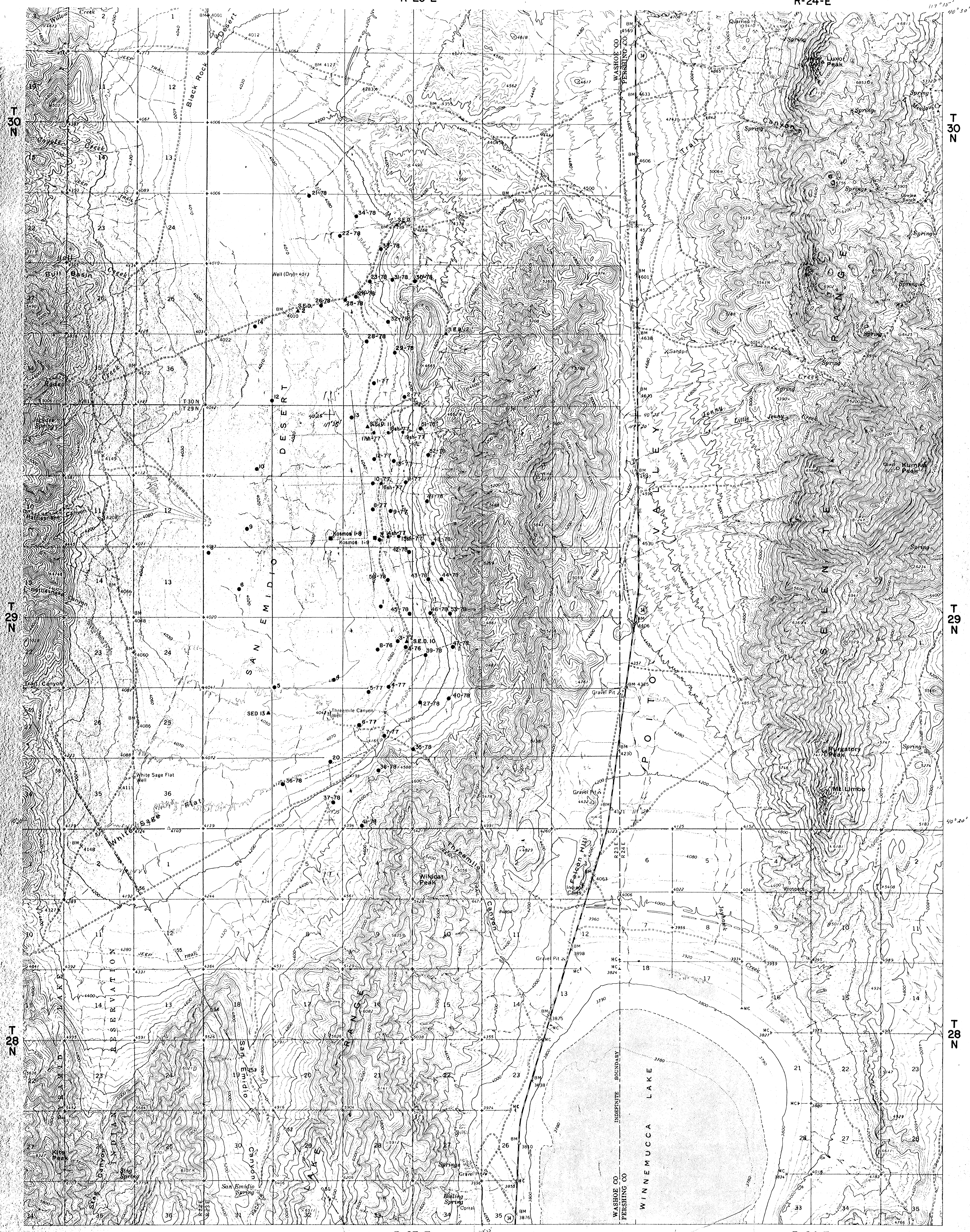
<u>S. P. #</u>	<u>Depth</u>	<u>Temperature</u>
32	22'	60°F
30	22'	60°F
64	17'	95°F -#1 95°F -#2
62	13'	81°F -#1 83°F -#2
60	22'	75°F -#1 75°F -#2
28	22'	60°F
36	22'	66°F
38	22'	72°F
40	22'	69°F
42	22'	63°F
44	22'	66°F
46	22'	63°F
48	22'	65°F
50	22'	72°F
52	22'	65°F
54	9'	69°F
58	22'	73°F -#2
56	22'	69°F

San Emido Desert
 Seismic Shot Point Temperatures
 Line # 3

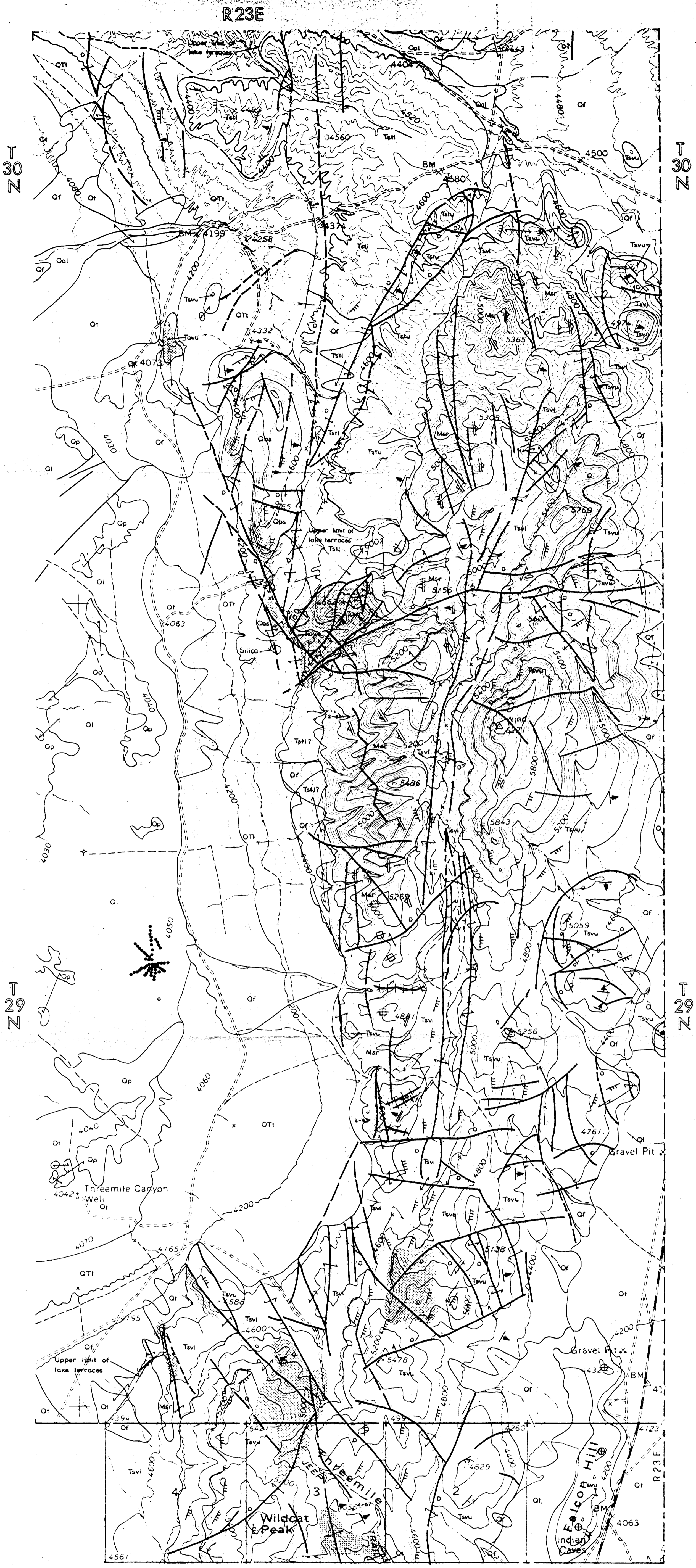
<u>S. P. #</u>	<u>Depth</u>	<u>Temperature</u>
24	23'	61°F at 20'
26	22'	72°F - #1 74°F at 20' #2
28	22'	70.7°F - #1 at 20' 69.5 - #2
30	22'	69.5°F - #1 at 20' 70.5°F
32	22'	74°F - #1 74°F - #2
34	22'	72°F - #1 72.5 - #2
36	22'	74.5°F - #1 75°F - #2
38	17'	88°F - #1 88°F - #2
39-1/2	15'	90°F
40	22'	84°F - #2
42	22'	87.5°F - #1 86°F - #2
44	22'	112°F #'s 1&2
46	22'	87°F - #1 85°F - #2
50	22'	91°F at 20' #1 92°F at 20' #2
56	22'	90°F - #1 92°F - #2
58	22'	92°F at 20' #'s 1&2
60	22'	117°F at 20' #1 113°F - #2

San Emido Desert
Seismic Shot Point Temperatures
Line # 3 (page 2)

<u>S. P. #</u>	<u>Depth</u>	<u>Temperature</u>
62	20'	140°F - #1 130°F - #2
64	20'	157.6°F at 14'
66	60'	167°F
68	160'	185°F at 150'
70	80'	75°F at 70'



CHEVRON OIL COMPANY
 MINERALS STAFF
SAN EMIDIO AREA
 WASHOE & PERSHING CO'S, NEVADA
 TEMPERATURE HOLE LOCATIONS
 SCALE 1:24000



AREAL AND STRUCTURAL GEOLOGY
of the
SAN EMIDIO AREA
WASHOE COUNTY NEVADA

Prepared by
IntraSearch
Denver, Colorado

<p>LEGEND</p> <p>QUATERNARY</p> <ul style="list-style-type: none"> Q SURFICIAL DEPOSITS Op PLAYA DEPOSITS Qal ALLUVIUM Qf FAN DEPOSITS Ql LACUSTRINE DEPOSITS Qt TERRACE DEPOSITS Qbs BEDDED SILICA DEPOSITS <p>QUATERNARY-TERTIARY</p> <ul style="list-style-type: none"> QTI QUATERNARY & TERTIARY LAKE TERRACE DEPOSITS <p>TERTIARY</p> <ul style="list-style-type: none"> Ts1a SEDIMENTS & TAFFACEOUS SEDIMENTS (UPPER) Ts1b SEDIMENTS & TAFFACEOUS SEDIMENTS (LOWER) Tsv1 UPPER VOLCANIC UNIT (PREDOMINANTLY BASALT) Tsv2 LOWER VOLCANIC UNIT (PREDOMINANTLY PYROCLASTIC) <p>MESOZOIC</p> <ul style="list-style-type: none"> Msr METAMORPHIC ROCKS 	<p>ALTERED VOLCANIC ROCKS UNDIVIDED</p>	<p>MINING INTELLIGENCE LEGEND</p> <ul style="list-style-type: none"> • DRILL HOLE ○ SUSPECTED DRILL HOLE x PROSPECT ○ PIT ○ TAILINGS ○ MINE SHAFT OR ADIT ○ OIL TEST OR WELL SITE 	<p>GEOLOGIC SYMBOLS</p> <p>STRIKE AND DIP COMPONENT</p> <ul style="list-style-type: none"> GROUP 1, 3° OR LESS GROUP 2, 3° TO 10° GROUP 3, 10° TO 25° GROUP 4, 25° TO 45° GROUP 5, 45° TO VERTICAL <p>STRIKE AND DIP OF FOLIATION IN CRYSTALLINE ROCKS</p> <ul style="list-style-type: none"> BEDDING APPEARS VERTICAL VERTICAL BEDDING BEDDING APPEARS HORIZONTAL LINEAR OUTCROP APPEARS HORIZONTAL FIELD OBSERVED AMOUNT OF DIP CANNOT BE ESTIMATED QUESTIONABLE JOINTS FAULT, DASHED WHERE APPROXIMATE, D INDICATES DOWNTHROWN SIDE FAULT, PROBABLE THRUST FAULT, TRIANGLE ON UPPER PLATE FAULT WITH DOMINANTLY HORIZONTAL DISPLACEMENT ALIGNMENT, TOPOGRAPHIC OR VEGETATIONAL GEOLOGIC CONTACT, DASHED WHERE APPROXIMATE KEY BED INTERTONGUING CONTACT NOMENCLATURE OR FACIES CHANGE ANTICLINE, DASHED WHERE APPROXIMATELY LOCATED ANTICLINE, PROBABLE ANTICLINE, OVERTURNED SYNCLINE, DASHED WHERE APPROXIMATELY LOCATED SYNCLINE, PROBABLE SYNCLINE, OVERTURNED MONOCLINE STRUCTURAL TERRACE IGNEOUS DIKE PHOTO CENTER FLIGHT AND PICTURE NUMBER 	<p>ALTERATION ZONE</p>
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Geologic data derived from interpretation of color air photography, scale 1:24,000 dated 7-23-77. Base map printed from U.S.G.S topographic mapping.

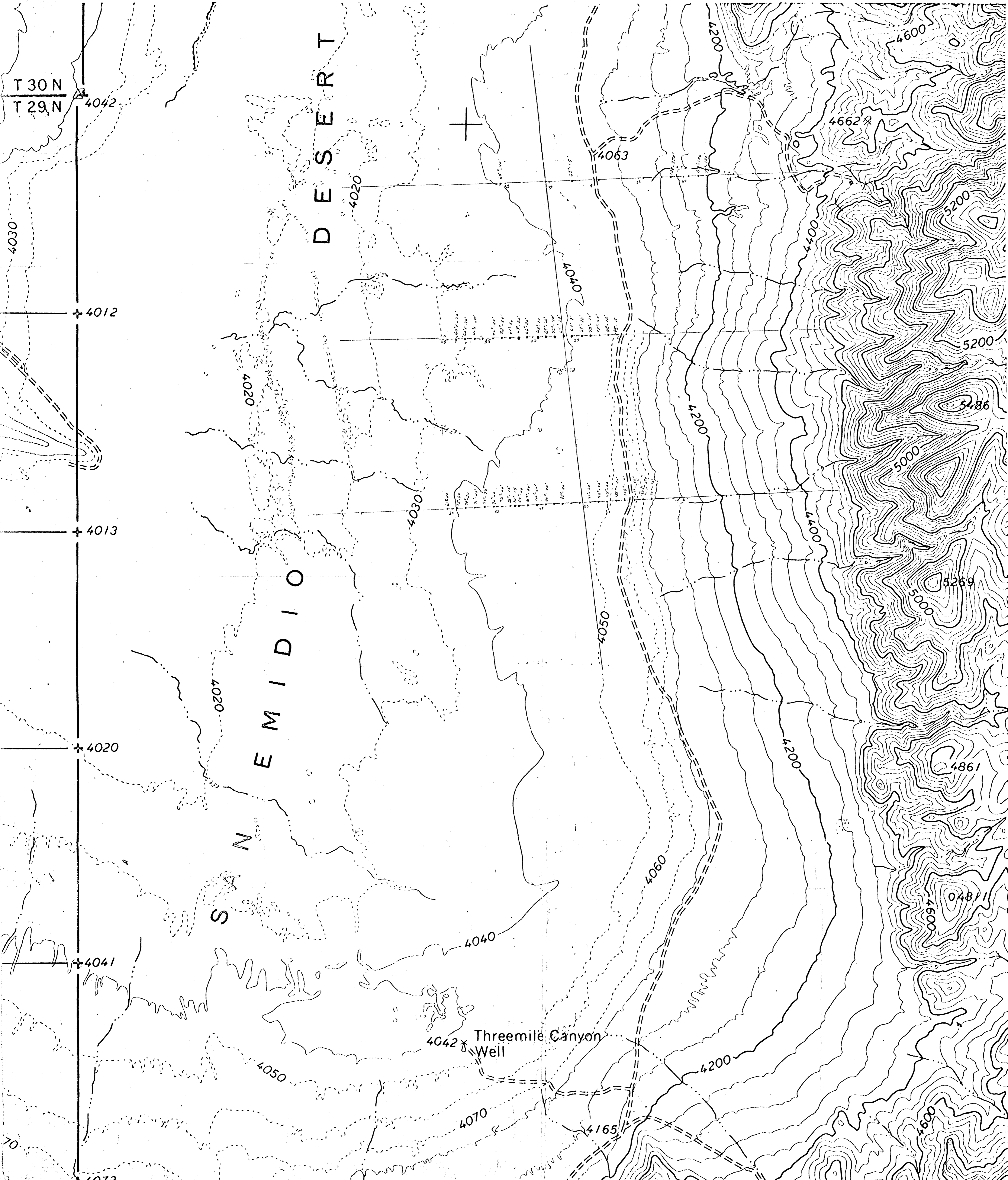
SCALE 1:24,000

PROJECT No. 7787 - Area 4

T 30 N
T 29 N

D E S E R T

S A N E M I D I O



T 29

San Emidio
Temperature
Measurements
In
Sismic Shot
Holes