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GL03874

Open-File Report # NM/Baca- **19 e**

BACA PROJECT  
DATA AND REPORTS

WELLS

<u>No.</u>	<u>Transfer Date</u>	<u>Release Date</u>	<u>Title</u>
1.	A	A	Summary sheet for Baca Wells No's 1-3.
2.	A	A	Baca Wells No's 4-16 summary sheet.
3.	A	A	Well summary reports and Drilling Histories-- Baca Wells No's 4-16.
4.	B	B	Lithology logs--Baca Wells No's 4-16.
5.	A	A	Temperature and Pressure Surveys--Baca Wells No's 4-8 and 10-16.
	B	B	Electric logs for Baca Wells No's 10-14.

UNION

# GLO THERMAL DIVISION

## SUBSURFACE TEMPERATURE SURVEY

B#7-51-Temp

76

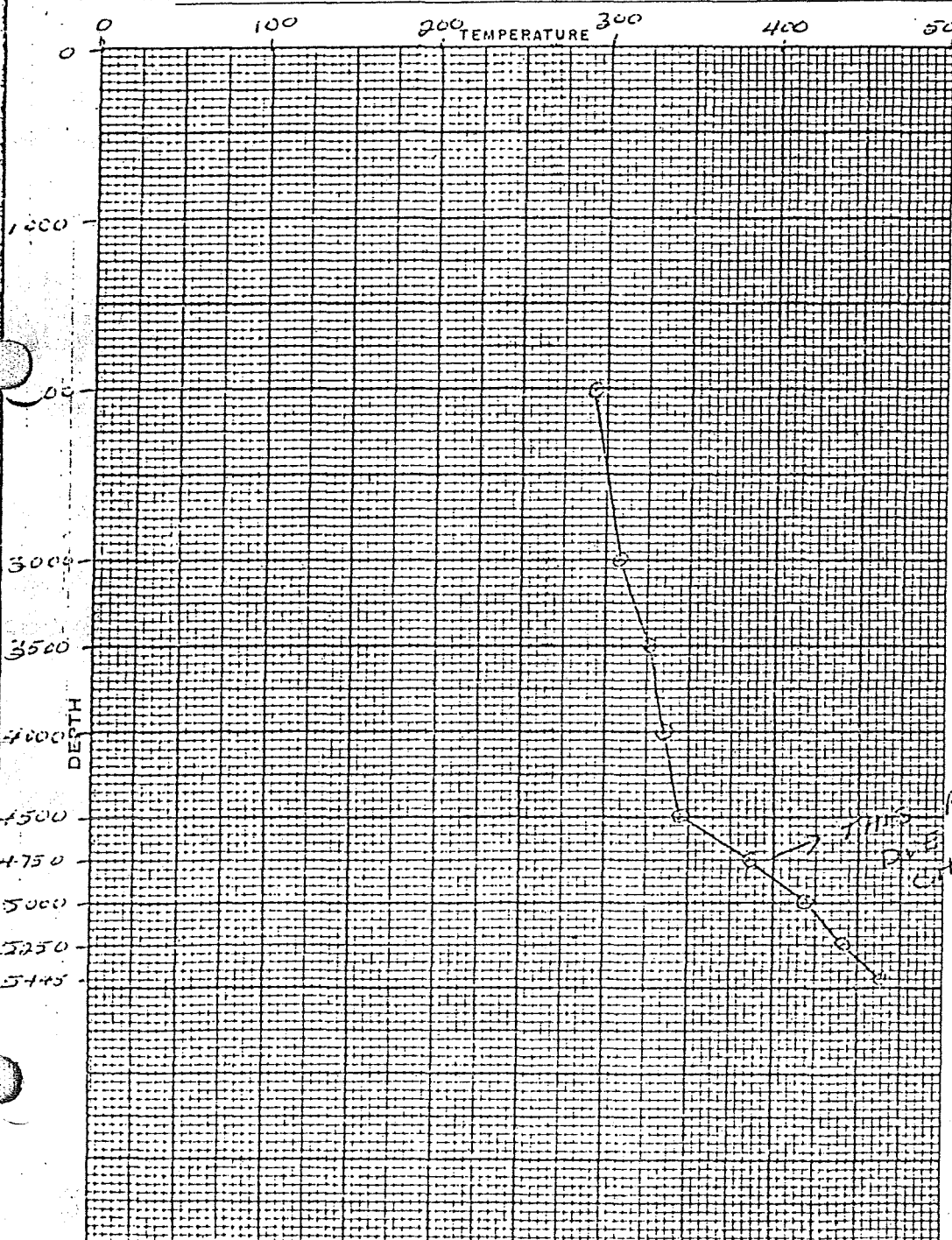
OWNER UNION OIL CO. OF CALIF FIELD VALLE GRANDE WELL NAME BARA #7  
 CASING 13 7/8" TO 504', 9 7/8" TO 5025' ELEV 9000' DATE 7/31/74  
 LINER DESCRIPTION 7"-3297'-5575' ZERO POINT GLTS  
SLOT INTERVALS-3202'-5575' (FORCH CUT) DEPTH 5445'

HOLE DESCRIPTION:

INSTRUMENT 83°F-698°F FAHR  
 SERIAL NO. 10057

PURPOSE REQUESTED BY GEOLOGIST.  
 REMARKS:

MAX TEMP 463.8 °F @



STABILIZATION PERIOD			
PRESSURES.	GAUGE	BOMB	
CASING. PSI	0	0	
DEPTH	TEMP.	DEPTH	TEMP.
2000	293.2		
3000	308.2		
3500	325.2		
4000	335.8		
4500	345.0		
4750	386.2		
5000	419.2		
5250	441.2		
5445	463.8		

POINT IS APPROXIMATED  
 TO BAD MARKING ON  
 CHART. J.M.

BY: J.M.

## GEO THERMAL DIVISION

### SUBSURFACE PRESSURE SURVEY

B#7-SI-PRESS

# 76

OWNER UNION OIL CO OF CALIF. FIELD VALLE GRANDE WELL NAME BACA #7  
 CASING 13 3/8" TO 504, 9 7/8" - 2909 ELEV. 9000 ± DATE 7/31/74  
 LINER DESCRIPTION: 7" - 2697 - 5515' ZERO POINT GLTS'  
SLOT INTERVALS - 3200' - 5515' (TORCH CUT) DEPTH 5445'

HOLE DESCRIPTION:

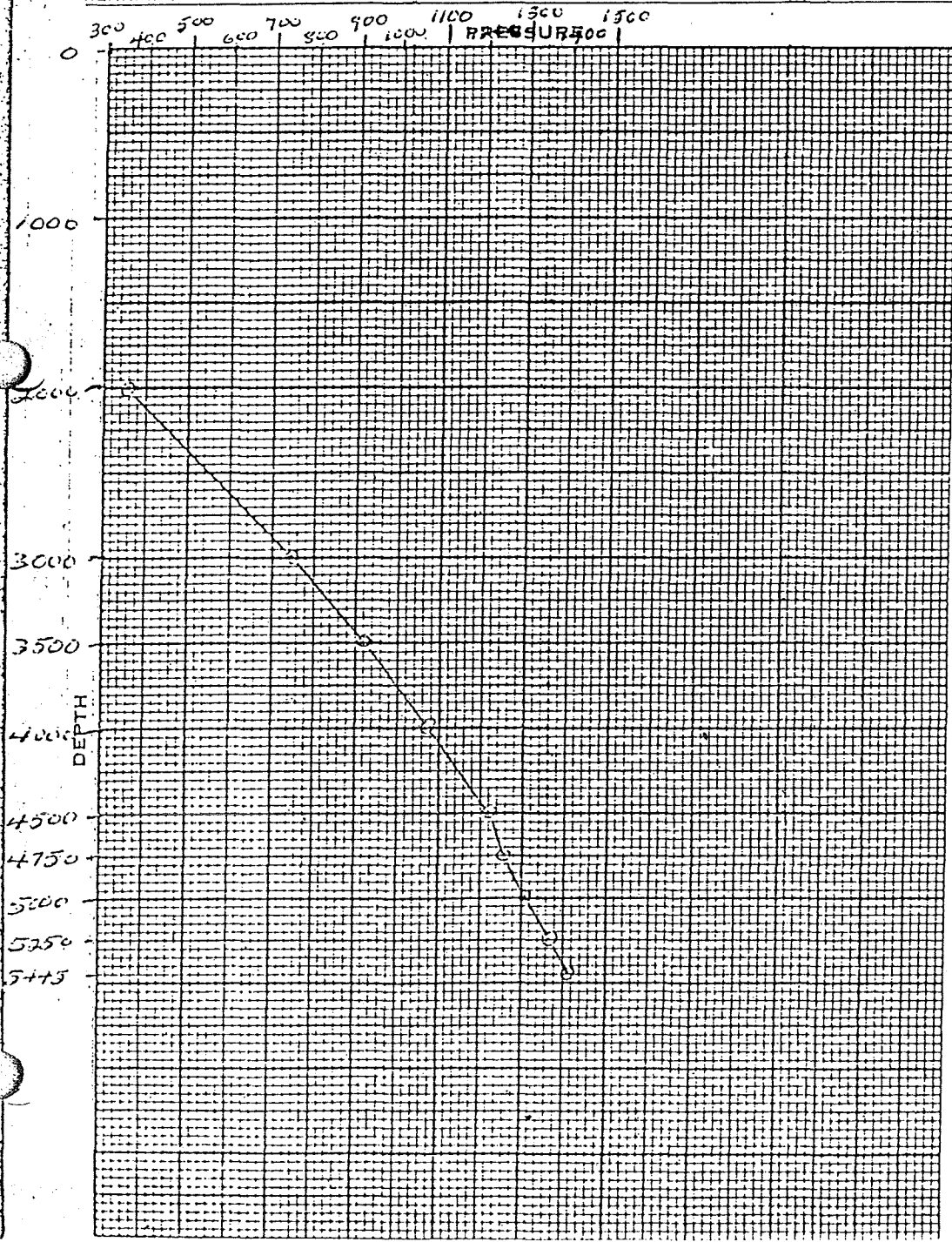
INSTRUMENT 0-4250 PSI  
 SERIAL NO 7198

PURPOSE REQUESTED BY GEOLOGISTS.

MAX TEMP 463.8 °F @

REMARKS:

STABILIZATION PERIOD



PRESSURES.	GAUGE	BOMB
CASING, PSI	0	0

DEPTH	PRESSURE	GRADIENT
2000	359.7	0
3000	742.6	.383
3500	917.7	.386
4000	1069.9	.305
4500	1218.2	.297
4750	1258.5	.161
5000	1307.2	.194
5250	1364.4	.229
5445	1411.0	.239

BY: J.M.

## GEO THERMAL DIVISION SUBSURFACE TEMPERATURE SURVEY

B8-53-Temp

76

OWNER UNION OIL COMPANY OF CALIF. FIELD VALLE GRANDE WELL NAME BACA #8  
 CASING 1 3/8" TO 340' ; 9/8" TO 2281' ELEV 8631 DATE 9/5/74  
 LINER DESCRIPTION: NONE ZERO POINT CL 17  
TUBING - 2 3/8" FROM SURFACE TO 4225' DEPTH 4384

HOLE DESCRIPTION: \_\_\_\_\_

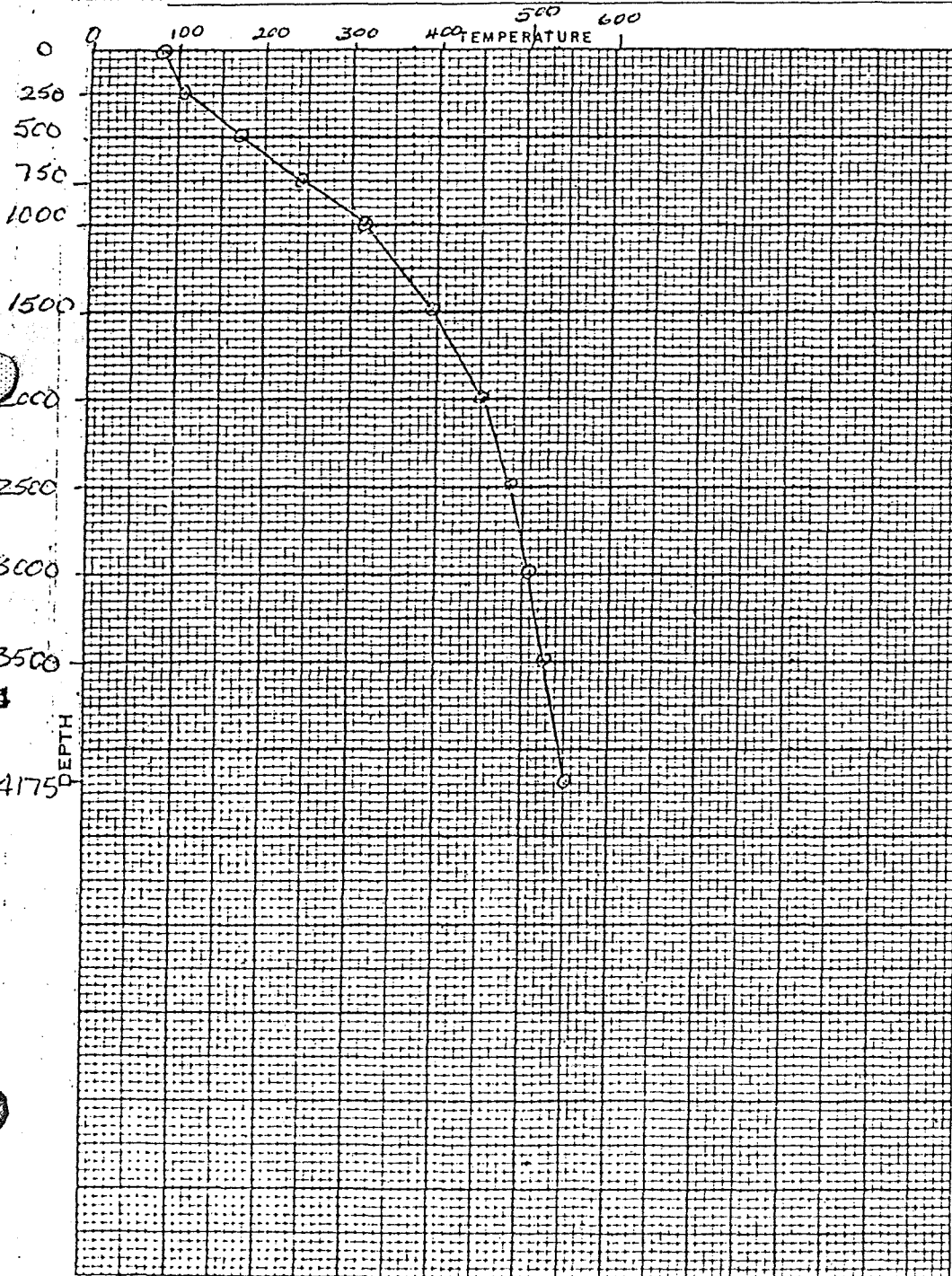
INSTRUMENT KTB 80°-646° FAHR  
 SERIAL NO 10052

PURPOSE \_\_\_\_\_

MAX TEMP 552° F @ 4175'

REMARKS: \_\_\_\_\_

STABILIZATION PERIOD \_\_\_\_\_



PRESSURES	GAUGE	BOY?	
CASING, PSI	228		
TUBING	149	153.5	
DEPTH	TEMP.	DEPTH	TEMP.
0	80.7		
250	109.5		
500	173.0		
750	243.8		
1000	318.2		
1500	393.8		
2000	<del>452.7</del> 452.7		
2500	485.4		
3000	509.6		
3500	524.7		
4175	552.0		

BY: \_\_\_\_\_

GEO THERMAL DIVISION

SUBSURFACE PRESSURE SURVEY

76

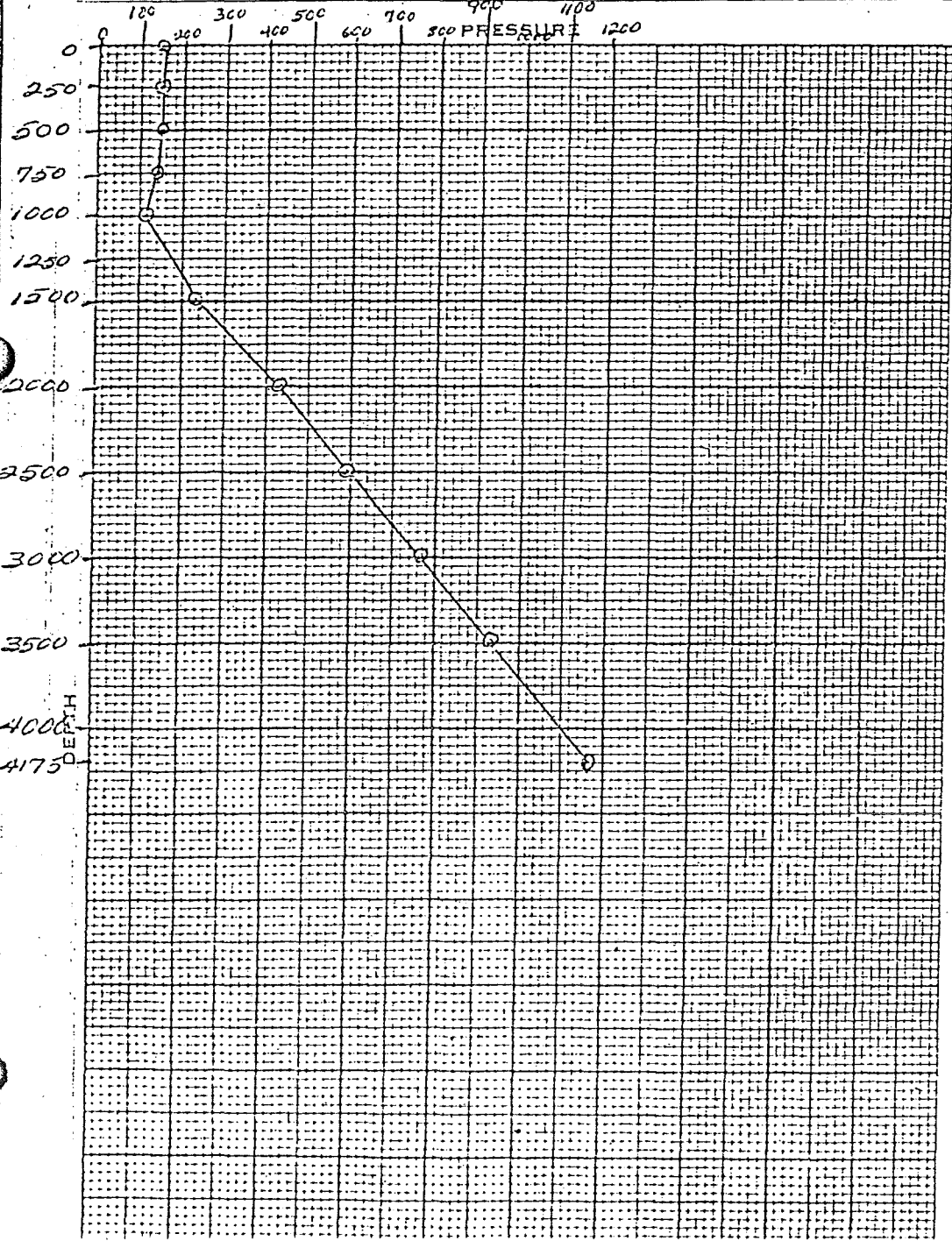
OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME BACA # 8  
 CASING 13 7/8" TO 340'; 9 5/8" TO 2251' ELEV 8631 DATE 9/5/74  
 LINER DESCRIPTION: NONE ZERO POINT CL+7  
TUBING - 2 3/8" FROM SURFACE TO 4225' DEPTH 4384'

HOLE DESCRIPTION: \_\_\_\_\_ INSTRUMENT 4250 PSI  
 SERIAL NO 7198

PURPOSE \_\_\_\_\_ MAX TEMP 552 °F @ 4175'

REMARKS:

STABILIZATION PERIOD \_\_\_\_\_



PRESSURES	GAUGE	BOMB
CASING, PSI	228	2
TUBING	149	153.5

DEPTH	PRESSURE	GRADIENT
0	153.5	0
250	153.5	0
500	151.32	0
750	140.35	0
1000	116.23	0
1500	236.84	.241
2000	418.86	.364
2500	594.94	.352
3000	767.93	.350
3500	936.71	.338
4175	1165.25	.339

BY: C.M.

## GEO THERMAL DIVISION

### SUBSURFACE PRESSURE SURVEY

B8-52-P

76

OWNER UNION OIL CALIF FIELD VALLE GRANDE WELL NAME BACT #3  
 CASING 1 7/8" TO 340' 7 1/2" TO 2281 ELEV 8631 DATE 8/22/74  
 LINER DESCRIPTION NO LNER ZERO POINT GLT 5'  
2 3/8" TUBING - SURFACE TO 4225' DEPTH 4225'

HOLE DESCRIPTION: \_\_\_\_\_

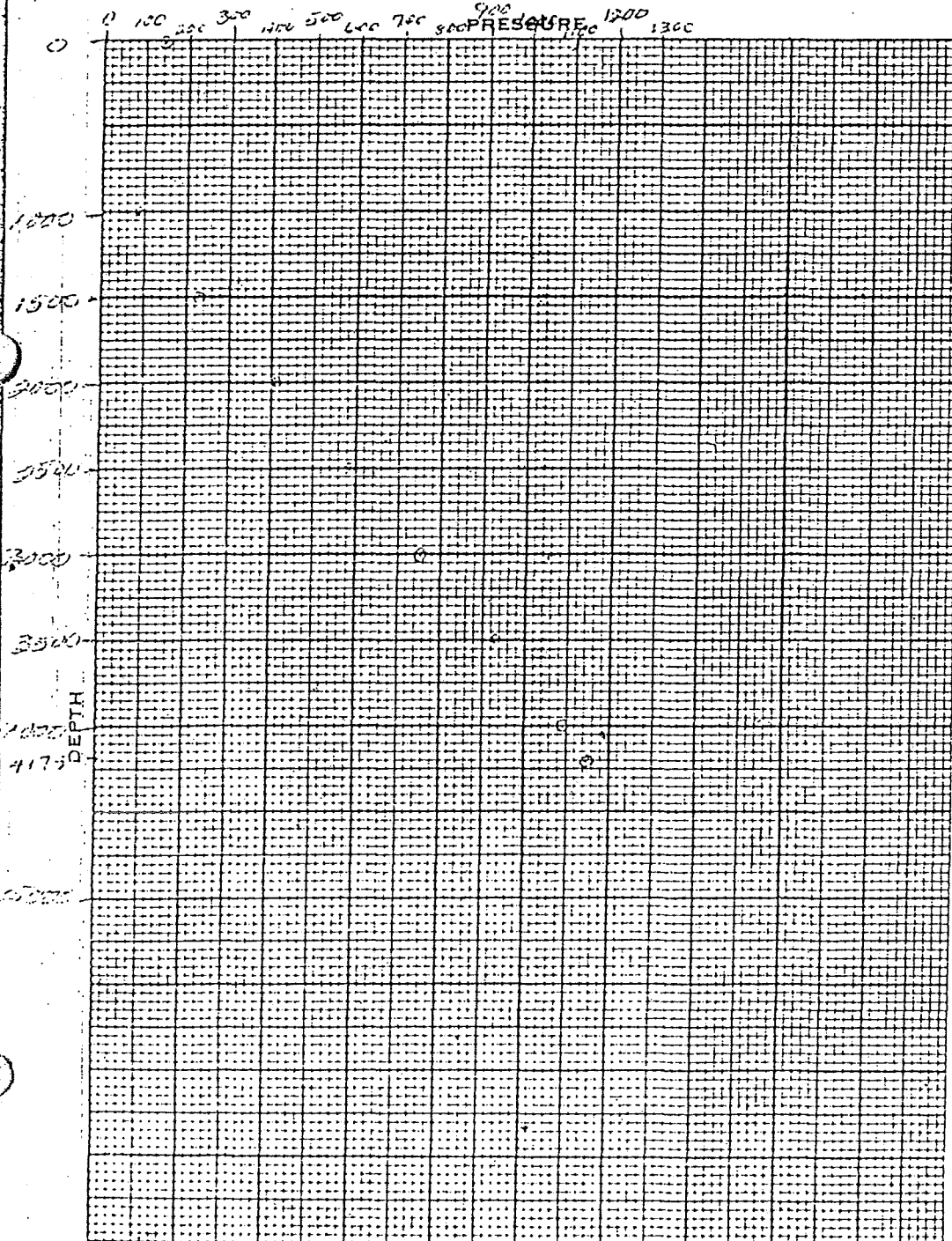
INSTRUMENT 14250 PSI  
 SERIAL NO 7198

PURPOSE \_\_\_\_\_

MAX TEMP 552.2 °F @ \_\_\_\_\_

REMARKS: \_\_\_\_\_

STABILIZATION PERIOD \_\_\_\_\_



PRESSURES	GAUGE	BOMB
CASING, PSI	148.0	142.5

DEPTH	PRESSURE	GRADIENT
0	142.5	0.0
1000	220.1	0.0
1500	230.3	0.21
2000	412.3	0.3
2500	538.6	0.31
3000	759.5	0.34
3500	948.3	0.33
4000	1297.5	0.358
4175	1150.4	0.301

BY: J. H. H.

## GEOHERMAL DIVISION SUBSURFACE TEMPERATURE SURVEY

BS-52-TEMP

76

OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME BACA # 8  
 CASING 1 3/8" TO 340' ; 9/8" TO 2251' ELEV 8631 DATE 8/29/74  
 LINER DESCRIPTION: NONE ZERO POINT GLTS  
 DEPTH 4384'

HOLE DESCRIPTION: 2 3/8" TUBING FROM SURFACE TO 4225'

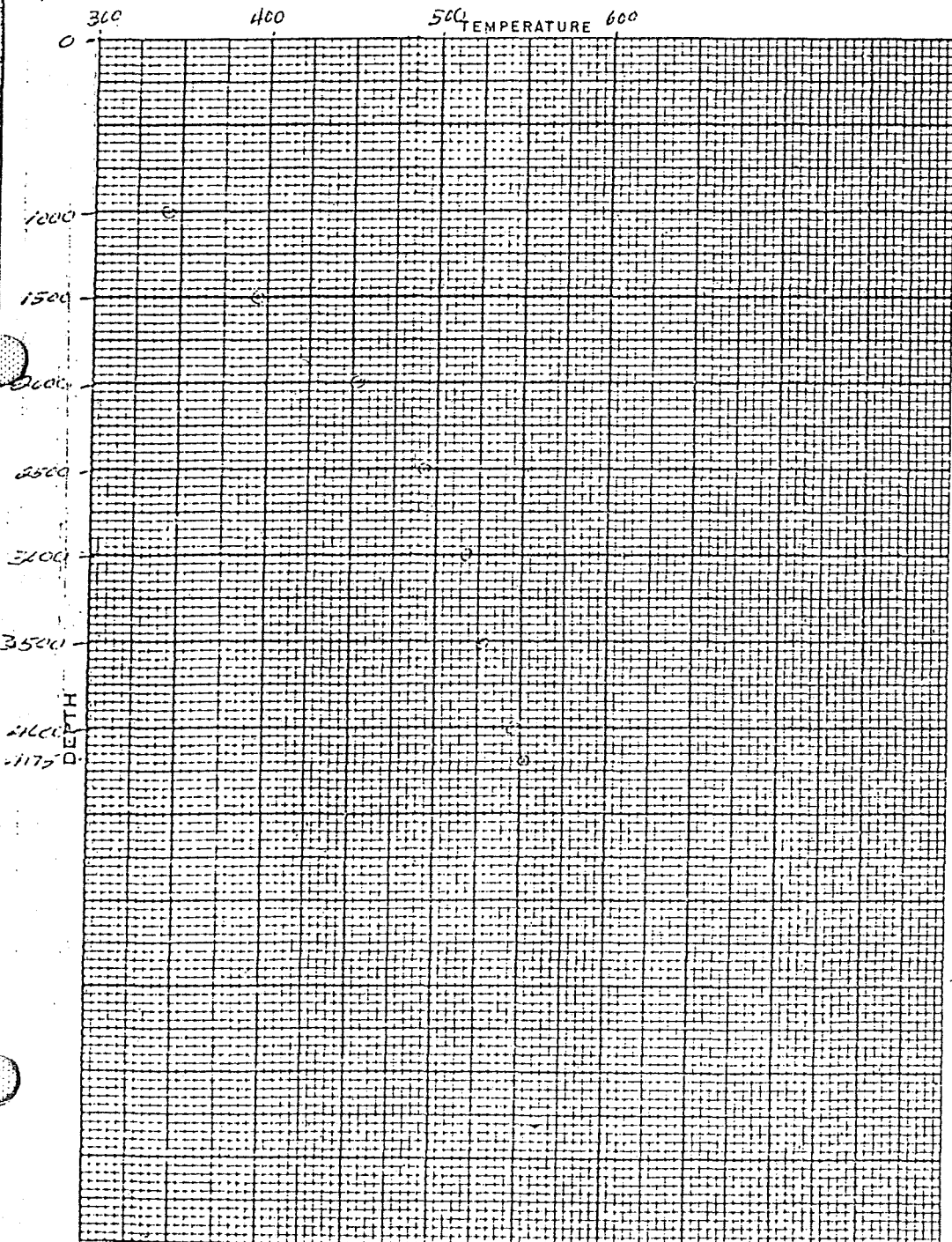
INSTRUMENT KTTB 20"-696° FAHR  
 SERIAL NO 10052

PURPOSE \_\_\_\_\_

MAX TEMP 552.2 °F @ 4175'

REMARKS: SURVEYED TO 4175'

STABILIZATION PERIOD \_\_\_\_\_



PRESSURES	GAUGE	BOMBS
CASING, PSI	148.0	142.5

DEPTH	TEMP.	DEPTH	TEMP.
0		0	
1000	343°		
1500	394.1°		
2000	453.5°		
2500	488.3°		
3000	518.7°		
3500	527.7°		
4000	546.7°		
4175	552.2°		

BY: A-M



GEOHERMAL DIVISION

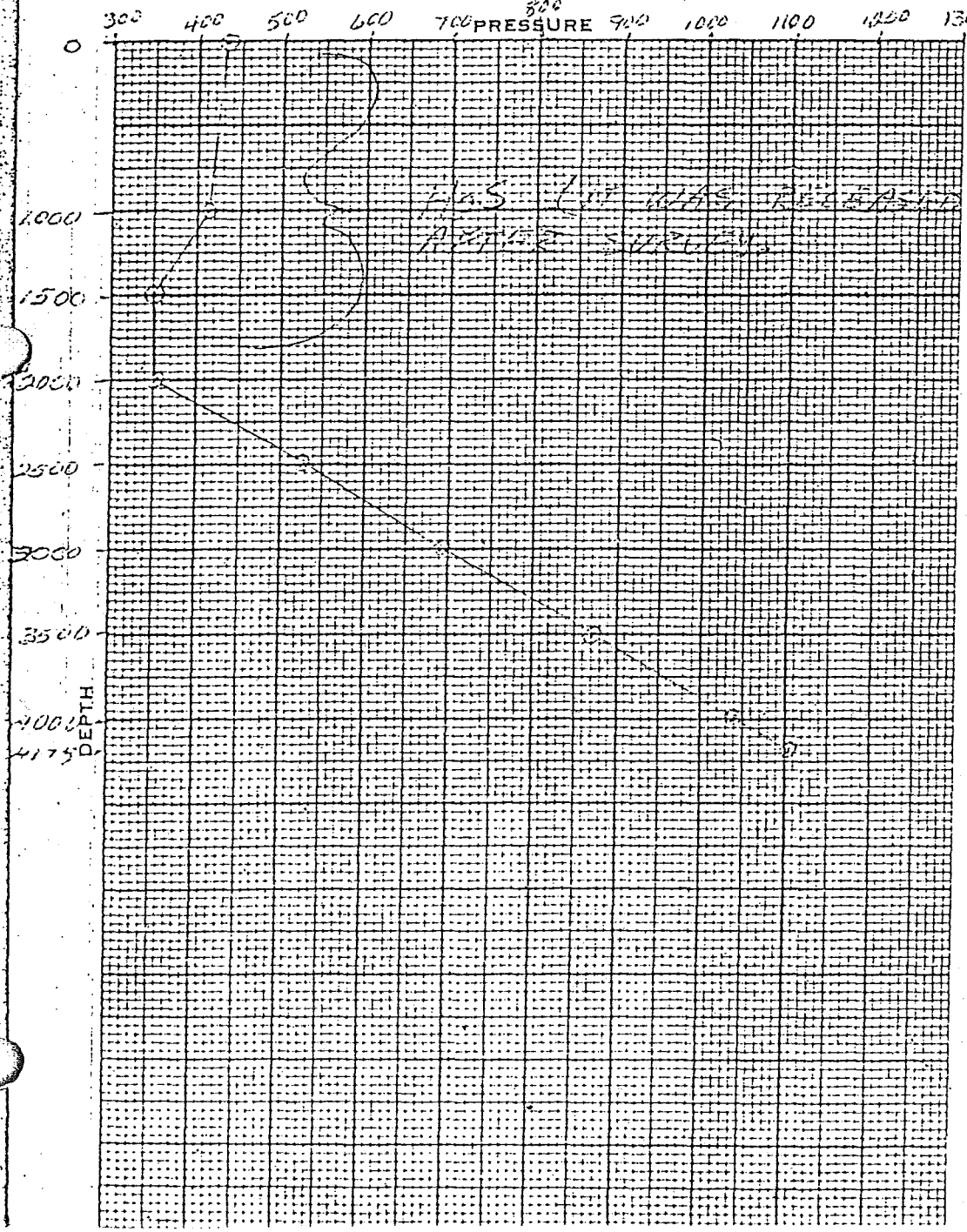
SUBSURFACE PRESSURE SURVEY

76

OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME BACA # 8  
 CASING 13 3/8" to 340'; 9 5/8" to 2281' ELEV. 8631' DATE 8/2/74  
 LINER DESCRIPTION: NONE ZERO POINT 0 L + S  
 DEPTH 4384'

HOLE DESCRIPTION: 2 3/8" TUBING FROM SURFACE to 4225'  
 INSTRUMENT 4250 PS  
 SERIAL NO 7198

PURPOSE REQUESTED BY GEOLOGIST MAX TEMP 364.2°F @ 4175'  
 REMARKS: SURVEYED TO 4175'



STABILIZATION PERIOD

PRESSURES	GAUGE	BOMB
CASING, PSI	430	432

DEPTH	PRESSURE	GRADIENT
0	432	0
1000	414.47	0
1500	350.83	0
2000	353.07	0
2500	529.54	.352
3000	692.20	.325
3500	873.42	.362
4000	1040.50	.335
4175	1101.69	.351

BY: P.M.

UNION

88-51-PT

# GEO THERMAL DIVISION

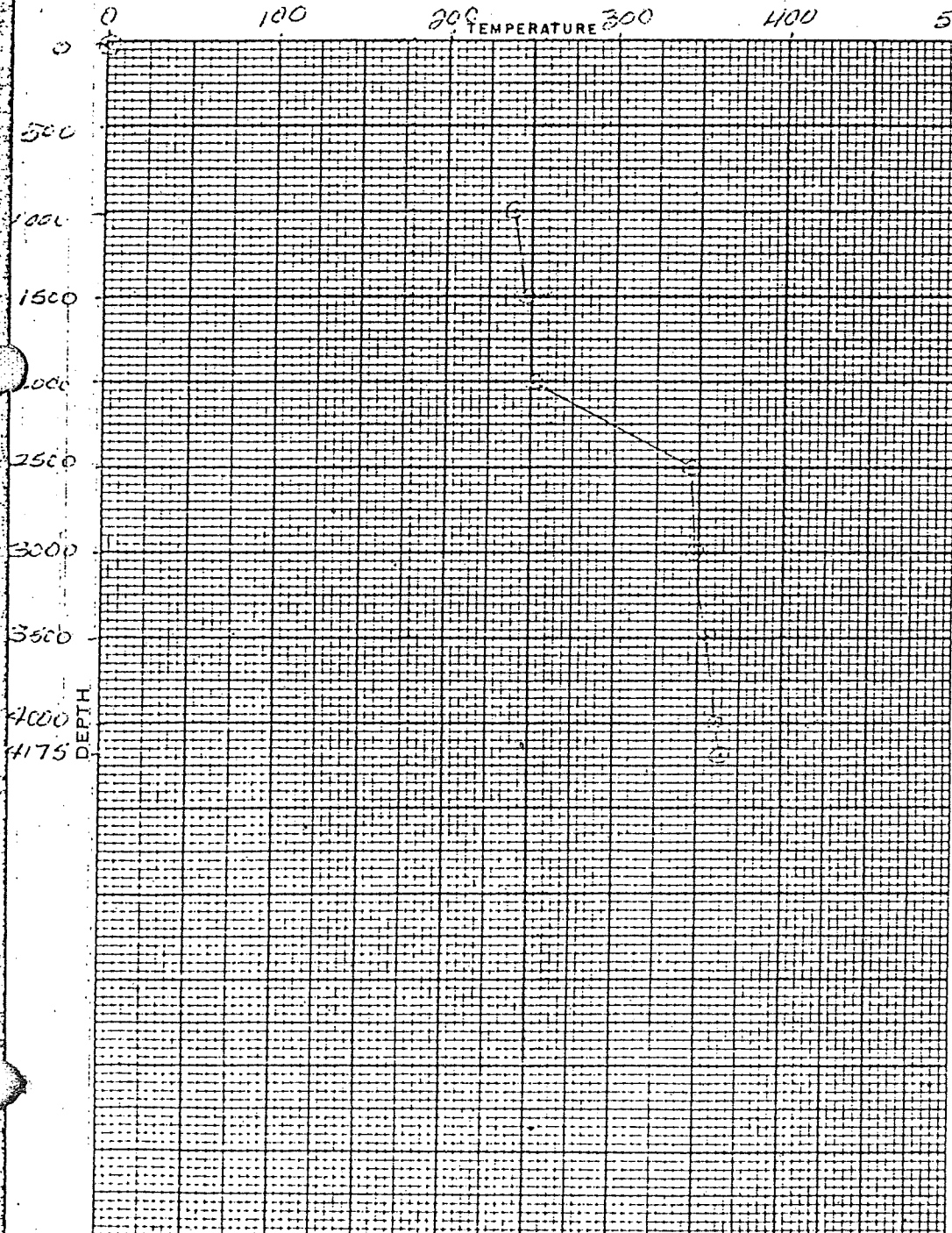
## SUBSURFACE TEMPERATURE SURVEY

76

OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME ZACH # 8  
 CASING 13 3/8" to 340' ; 9 5/8" to 2281 ELEV 8631' DATE 3/2/74  
 LINER DESCRIPTION: NONE ZERO POINT GL+5  
 DEPTH 4384'

HOLE DESCRIPTION: 2 3/8" TUBING FROM SURFACE TO 4225'  
 INSTRUMENT 83°F TO 690 °F  
 SERIAL NO 10055

PURPOSE REQUESTED BY GEOLOGIST MAX. TEMP 364.2°F @ 4175'  
 REMARKS: SURVEYED TO 4175'



PRESSURES.	GAUGE	BOND
CASING, PSI	430	432

DEPTH	TEMP.	DEPTH	TEMP.
0	0		
1000	240.1		
1500	248.1		
2000	252.6		
2500	346.0		
3000	348.2		
3500	355.5		
4000	361.7		
4175	364.2		

BY: *[Signature]*