

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.

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GLOUTHERMAL DIVISION

SUBSURFACE TEMPERATURE SURVEY

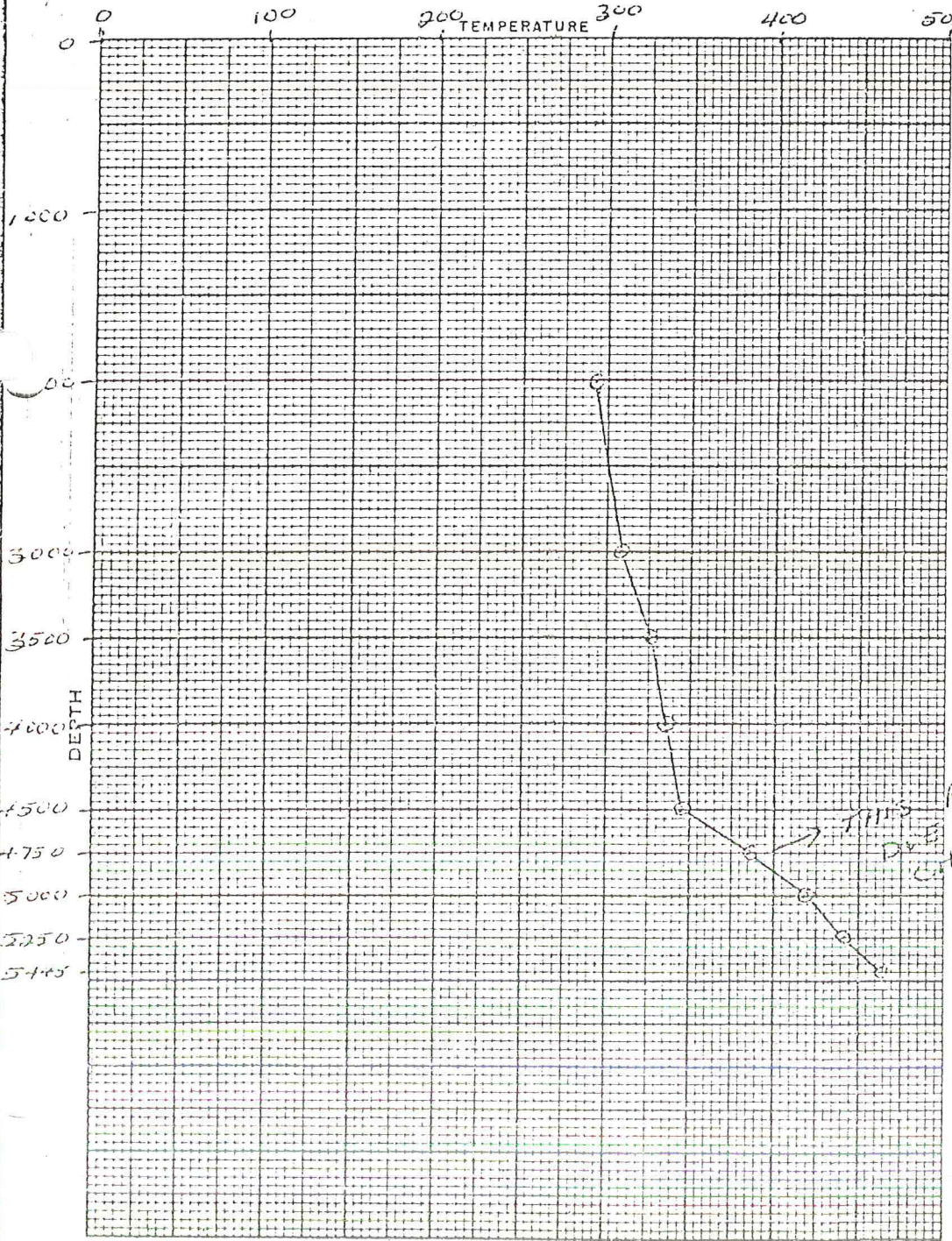
B#7-51-Temp

OWNER UNION OIL CO. OF CALIF FIELD VALLE GRANDE WELL NAME BACA #7
 CASING 1 3/8" to 524', 9 5/8" to 2925' ELEV 9000? DATE 7/31/74
 LINER DESCRIPTION 7"-2697'-5515' ZERO POINT GLTS
SLOT INTERVALS-3202'-5515' (TORCH CUT) DEPTH 5445'

HOLE DESCRIPTION: _____
 INSTRUMENT 88°F-675°F FAHR
 SERIAL NO 10055

PURPOSE REQUESTED BY GEOLOGIST. MAX TEMP 463.8 °F @

REMARKS: _____



STABILIZATION PERIOD _____

PRESSURES.	GAUGE	BOWB
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		

THIS POINT IS APPROXIMATED
 DUE TO BAD MARKING ON
 CHART - J.M.

BY: J.M.

GEOTHERMAL DIVISION

SUBSURFACE PRESSURE SURVEY

B#7-51-PRESS

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OWNER UNION OIL CO. OF CALIF. FIELD VALLE GRANDE WELL NAME BACA #7
 CASING 13 1/8" TO 504, 9 7/8" - 2909 ELEV. 9000 ± DATE 7/31/74
 LINER DESCRIPTION: 7" - 2697' - 5515' ZERO POINT GL+8'
SLOT INTERVALS - 3200' - 5515' (TORN OUT) DEPTH 5445

HOLE DESCRIPTION: _____

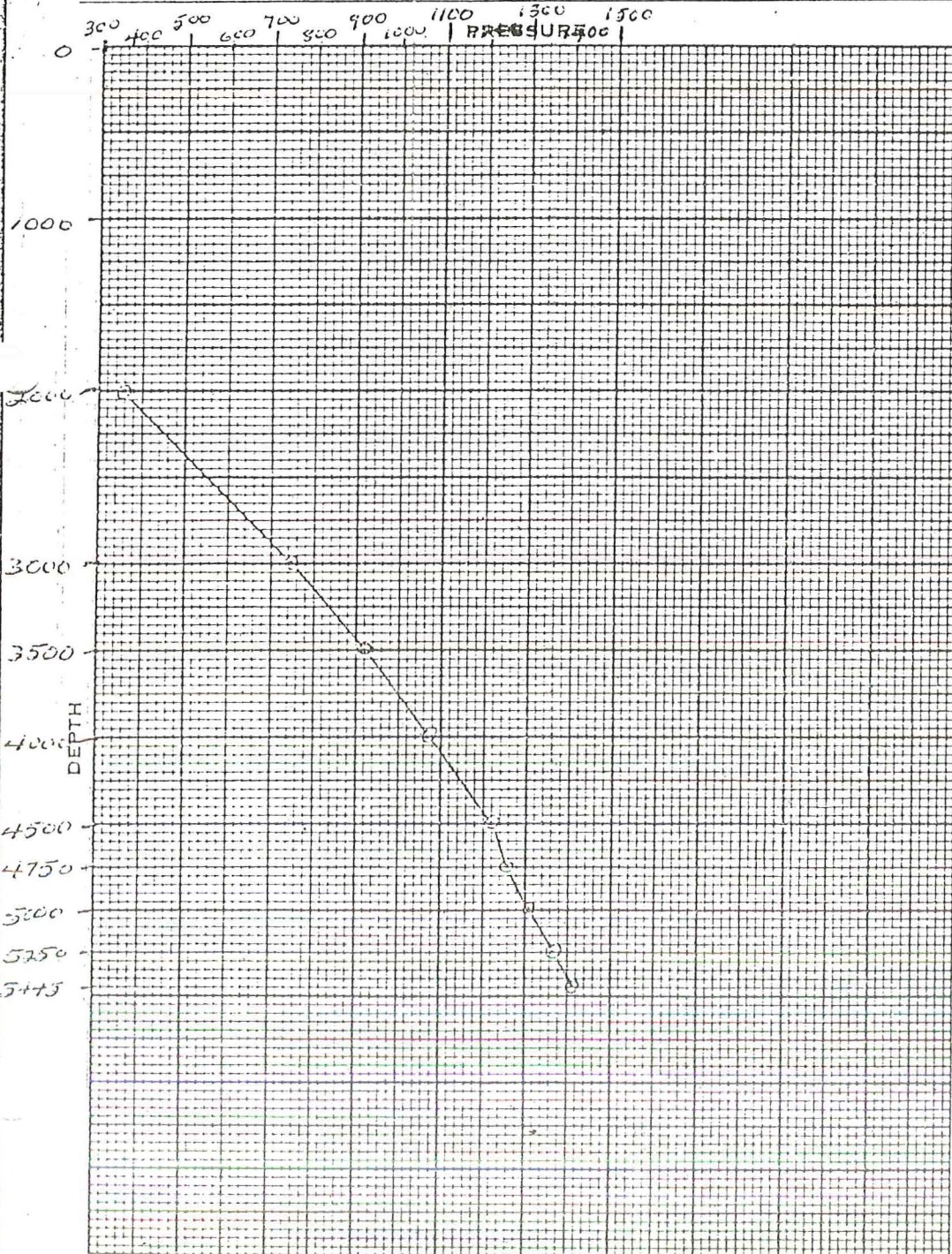
INSTRUMENT 0-4250 PSI
 SERIAL NO 7198

PURPOSE REQUESTED BY GEOLOGISTS.

MAX TEMP 403.8 °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	1213.2	.297
4750	1253.5	.161
5000	1307.2	.194
5250	1364.4	.229
5445	1411.0	.239

BY: J.M.

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UNION

GEO THERMAL DIVISION
SUBSURFACE TEMPERATURE SURVEY

B8-53-Temp

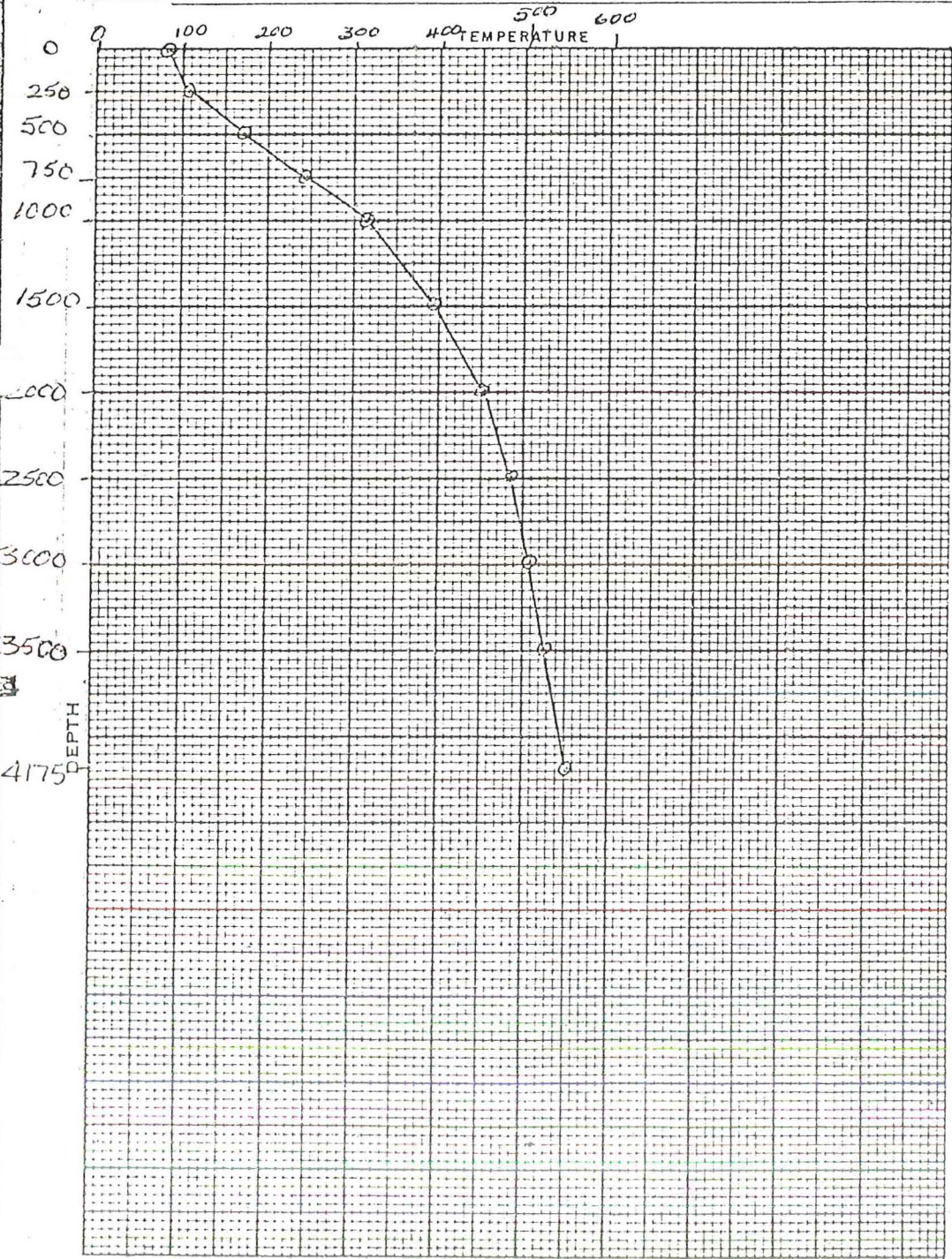
OWNER UNION OIL COMPANY OF CALIF. FIELD VALLE GRANDE WELL NAME BACA #8
 CASING 1 3/8" TO 340' ; 9/8" TO 2281' ELEV 8631 DATE 9/5/74
 LINER DESCRIPTION: NONE ZERO POINT GL +7
TUBING - 2 3/8" FROM SURFACE TO 4225' DEPTH 4384

HOLE DESCRIPTION: _____
 INSTRUMENT KT13 80°-646° FAHR
 SERIAL NO 10052

PURPOSE _____ MAX TEMP 552 °F @ 4175'

REMARKS: _____

STABILIZATION PERIOD _____



PRESSURES	GAUGE	BOYS	
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	452.7 452.7		
2500	485.4		
3000	509.6		
3500	524.7		
4175	552.0		

BY: _____

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UNION

H O S S I N O W

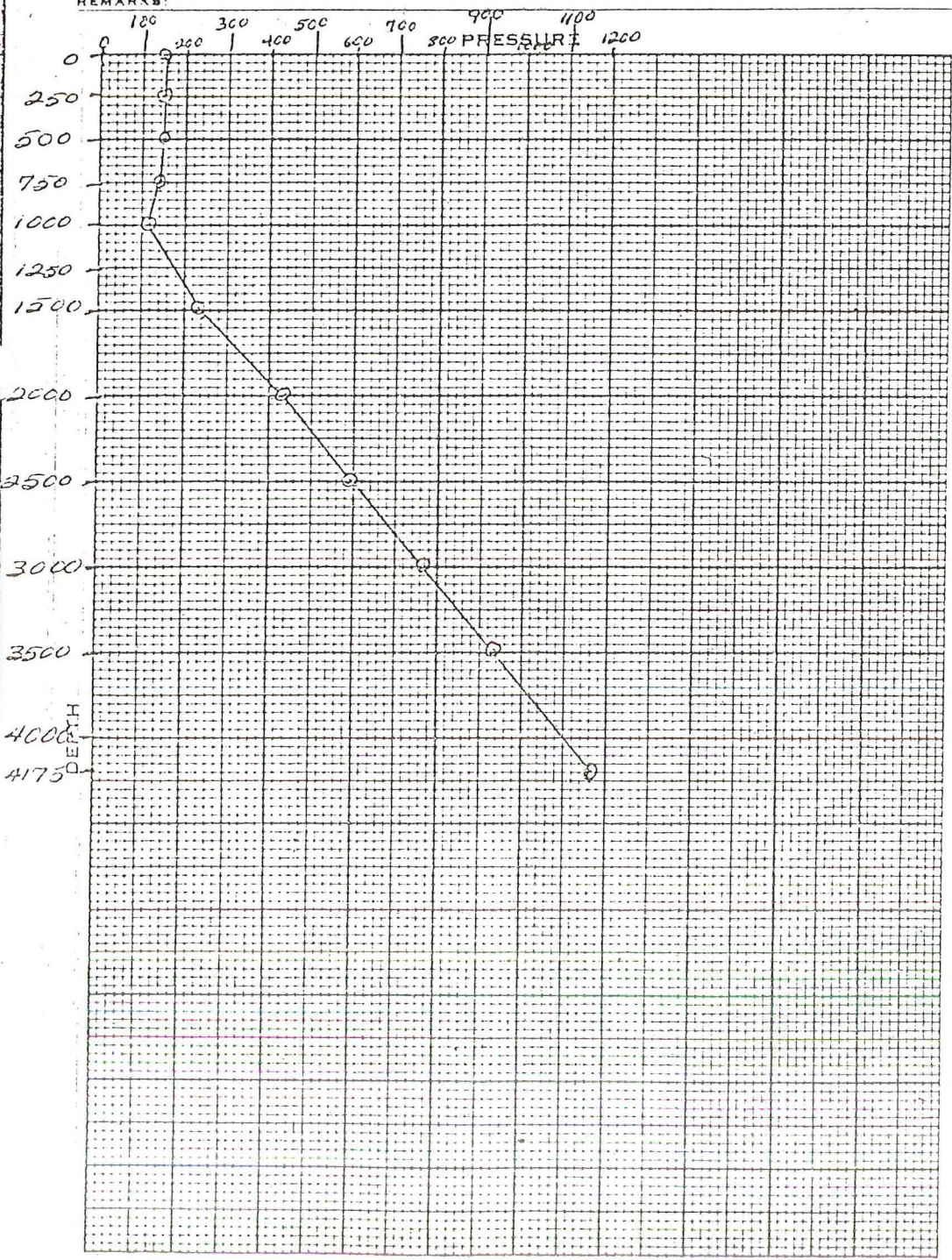
GEO THERMAL DIVISION

SUBSURFACE PRESSURE SURVEY

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 9/5/74
 LINER DESCRIPTION: NONE ZERO POINT GL + 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: G.M.

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GEO THERMAL DIVISION

SUBSURFACE PRESSURE SURVEY

B8-82-P

OWNER UNION OIL CALIF FIELD VALLE GRANDE WELL NAME BWH #8
 CASING 1 3/4" TO 340' 9 7/8" TO 2281 ELEV 3631 DATE 8/22/74
 LINER DESCRIPTION NO LNER ZERO POINT GLT 5'
2 3/8" TUBING - SURFACE TO 4225' DEPTH 4225'

HOLE DESCRIPTION:

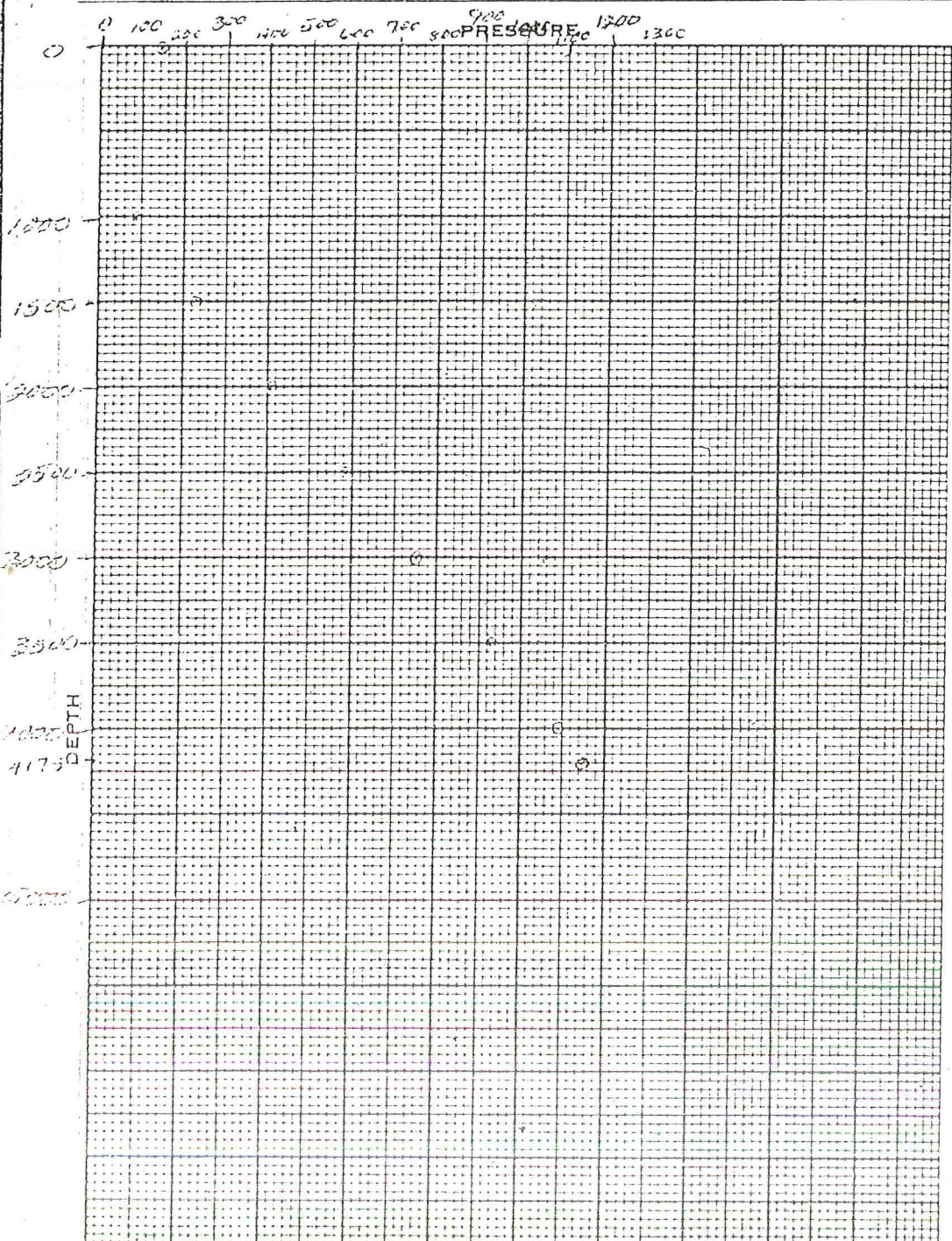
INSTRUMENT 4250 PSI
 SERIAL NO 7198

PURPOSE

MAX TEMP 500.0 °F @

REMARKS:

STABILIZATION PERIOD



PRESSURES	GAUGE	BOMB
CASING, PSI	148.0	142.5

DEPTH	PRESSURE	GRADIENT
0	142.5	0.0
1000	142.1	0.0
1500	142.3	0.21
2000	142.3	0.3
2500	138.6	0.31
3000	137.5	0.32
3500	137.3	0.33
4000	137.5	0.33
4175	115.4	0.30

BY: J. H. [Signature]

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GEOHERMAL DIVISION
SUBSURFACE TEMPERATURE SURVEY

BS-S2-TEMP

OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME BACA #8
CASING 13 3/8" TO 340' ; 9 7/8" TO 2251' ELEV 8631 DATE: 8/29/74
LINEAR DESCRIPTION: NONE ZERO POINT CLTS
DEPTH 4384'

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

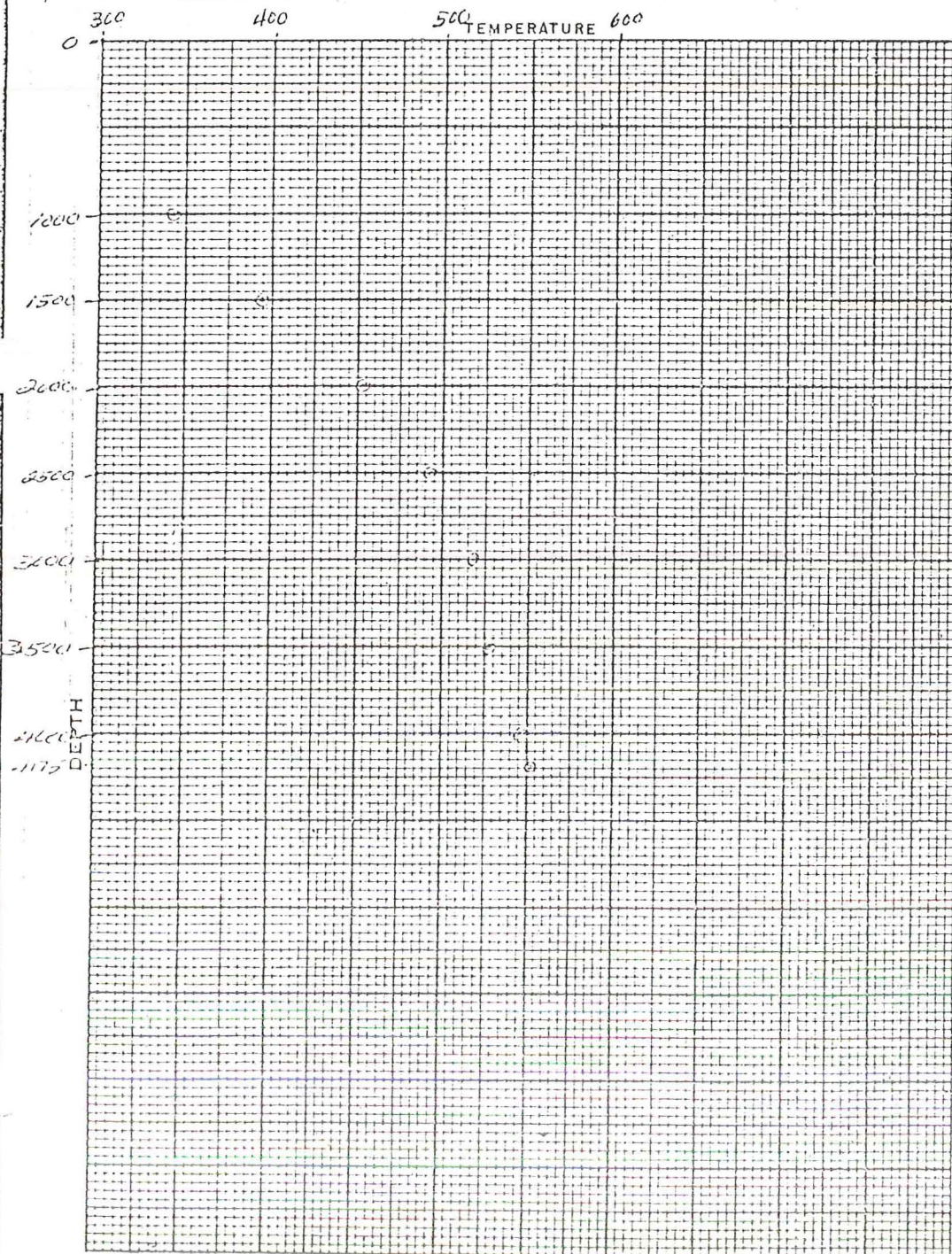
INSTRUMENT KT13 80°-696° FAHR
SERIAL NO 10052

PURPOSE

MAX TEMP 552.2 °F @ 4175'

REMARKS: SURVEYED TO 4175'

STABILIZATION PERIOD



PRESSURES	GAUGE	BOMB
CASING, PSI	148.0	142.5

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

BY: J.M.

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UNION 76

B-8 5-1 PT

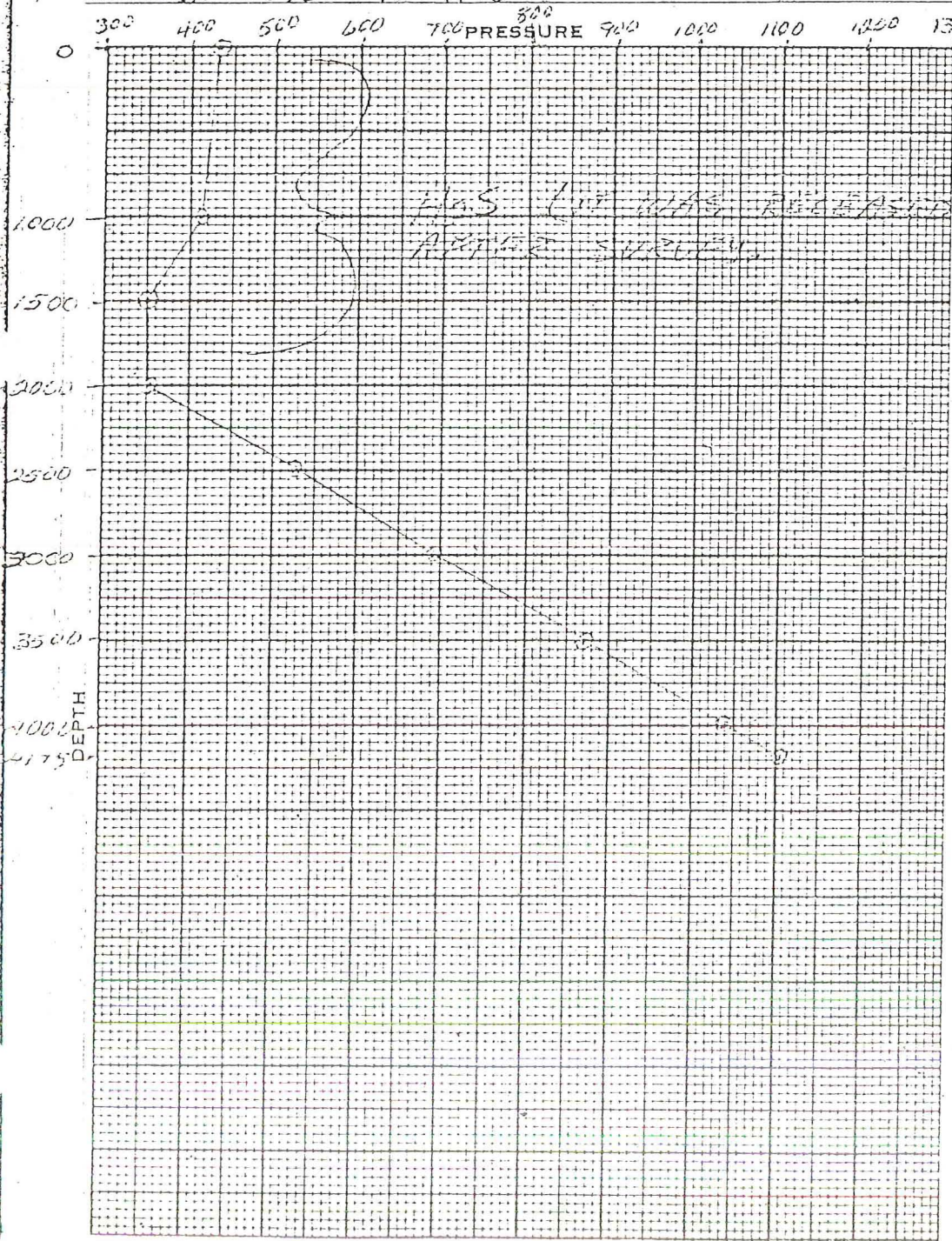
GEO THERMAL DIVISION

SUBSURFACE PRESSURE SURVEY

OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME BACA # 8
 CASING 13 3/8" to 340'; 9 3/4" to 2251' ELEV. 8631' DATE 8/2/74
 LINER DESCRIPTION: NONE ZERO POINT GL + 5
 DEPTH 4357'

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

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



STABILIZATION PERIOD

PRESSURE	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	.350
3000	692.20	.329
3500	873.42	.362
4000	1040.50	.334
4175	1101.69	.351

BY: *J.M.*

UNION

B8-S1-PT

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GEO THERMAL DIVISION

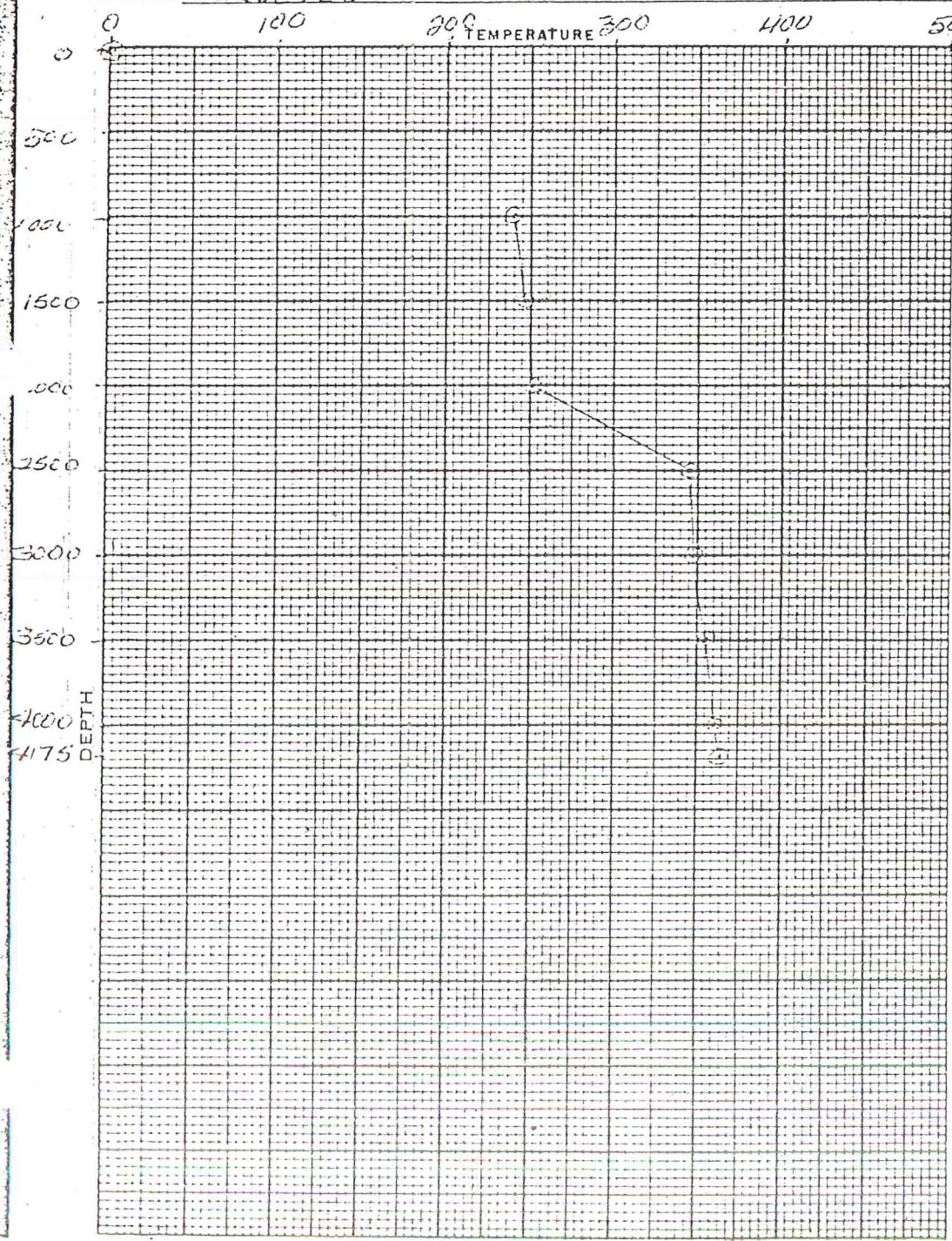
SUBSURFACE TEMPERATURE SURVEY

OWNER UNION OIL COMPANY OF CALIFORNIA FIELD VALLE GRANDE WELL NAME BACH #8
 CASING 1 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 696 °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: J.H.