

AGNEW and SWEET
 24 HOUR PHONE 805-327-2267
 3914 GILMORE AVENUE
 BAKERSFIELD, CALIFORNIA
 93308

CONFIDENTIAL

SUBSURFACE SURVEY

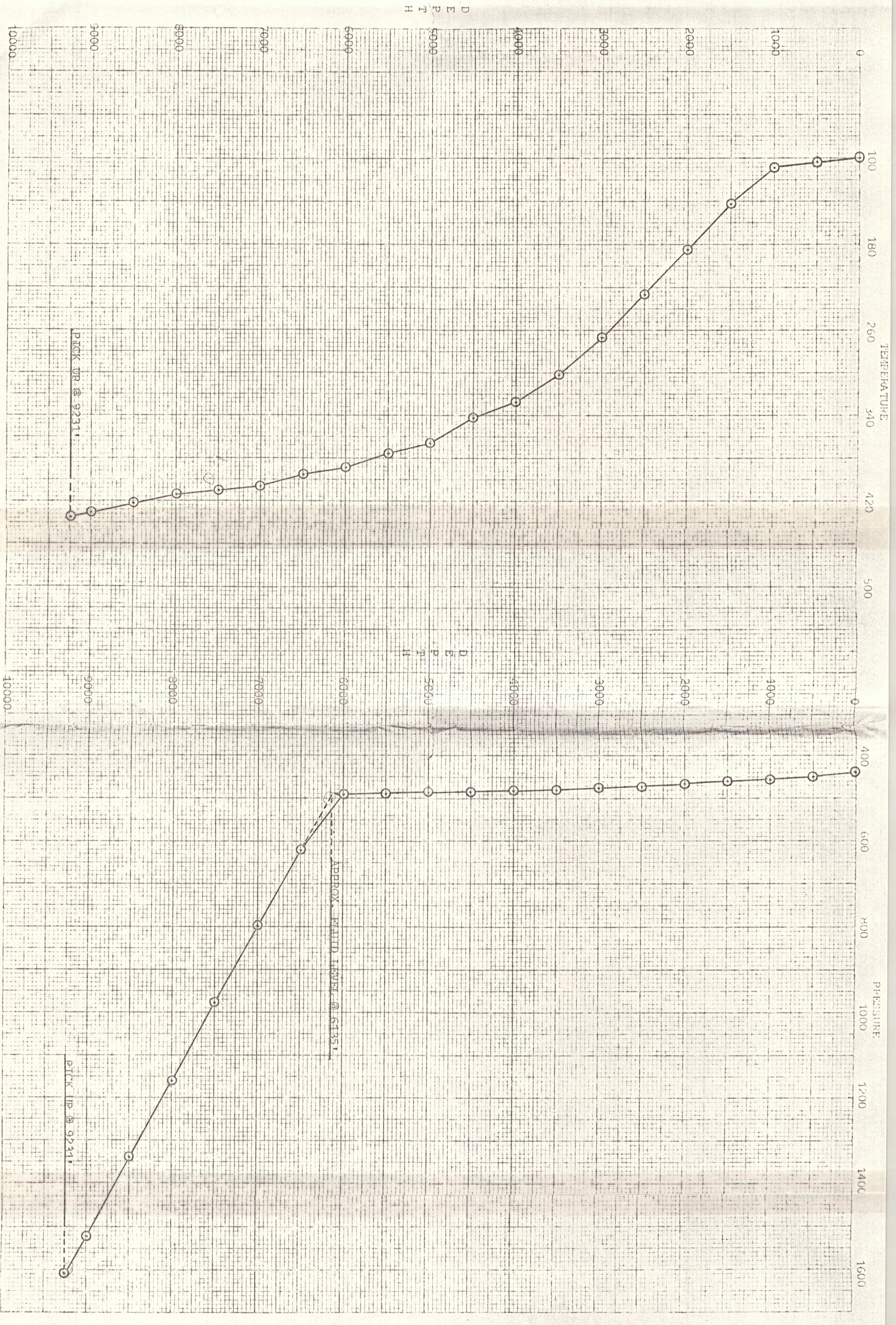
OWNER: THERMOGENICS, INC. FIELD: GEYSERS
 CASING: 13-3/8" @ 4189' ELEV: 201
 WELL NAME: KALAMINE K-1A
 DATE: AUG. 14, 1978
 ZERO POINT: 20'
 PERFORATIONS: MMP
 TUBING DETAIL: DEPTH: 9275' ZONE

WELL STATUS: Static
 SURVEYED: TUB. ANN. CASING
 PICK UP @ 9231' TIME ON BOTTOM: 5:11 PM
 ELEMENT RANGE: 1800#, 100-558 SERVA NO. 5709, 10136
 PURPOSE: STATIC TEMPERATURE & PRESSURE GRADIENT SURVEY
 REMARKS: MAX. OF 434.3 @ 9231'

ON PRODUCTION: SHUT IN: 6:18 PM
 ENGAGE STATUS: 12:57 PM DISENGAGE STATUS: 5:41 PM
 TIME ON BOTTOM: 5:11 PM
 CLOCK: 12 hr. TURN: 7 1/2

STABILIZATION PERIOD: PRESSURES: START FIN SH
 DATE: 8-14
 CASING PSI OBS: 350
 CASING PSI COR: 440
 TUBING PSI OBS:
 TUBING PSI COR:
 PRESS STATUS: Static
 INSTRUMENT HANG: @

BY: CONNELL & LOONEY



DEPTH	TEMP.	DEPTH	PRESS.	GRAD.
0	100.0	0	440	
500	104.1	500	450	.020
1000	109.1	1000	457	.014
1500	142.3	1500	461	.008
2000	185.3	2000	466	.010
2500	227.6	2500	472	.012
3000	267.7	3000	475	.008
3500	302.0	3500	480	.008
4000	328.7	4000	482	.004
4500	342.8	4500	485	.006
5000	366.5	5000	488	.006
5500	375.7	5500	490	.004
6000	389.1	6000	492	.004
6500	395.7	6500	621	.258
7000	406.0	7000	798	.354
7500	410.4	7500	978	.360
8000	415.7	8000	1160	.364
8500	422.3	8500	1341	.362
9000	430.2	9000	1522	.362
9231	434.3	9231	1608	.372