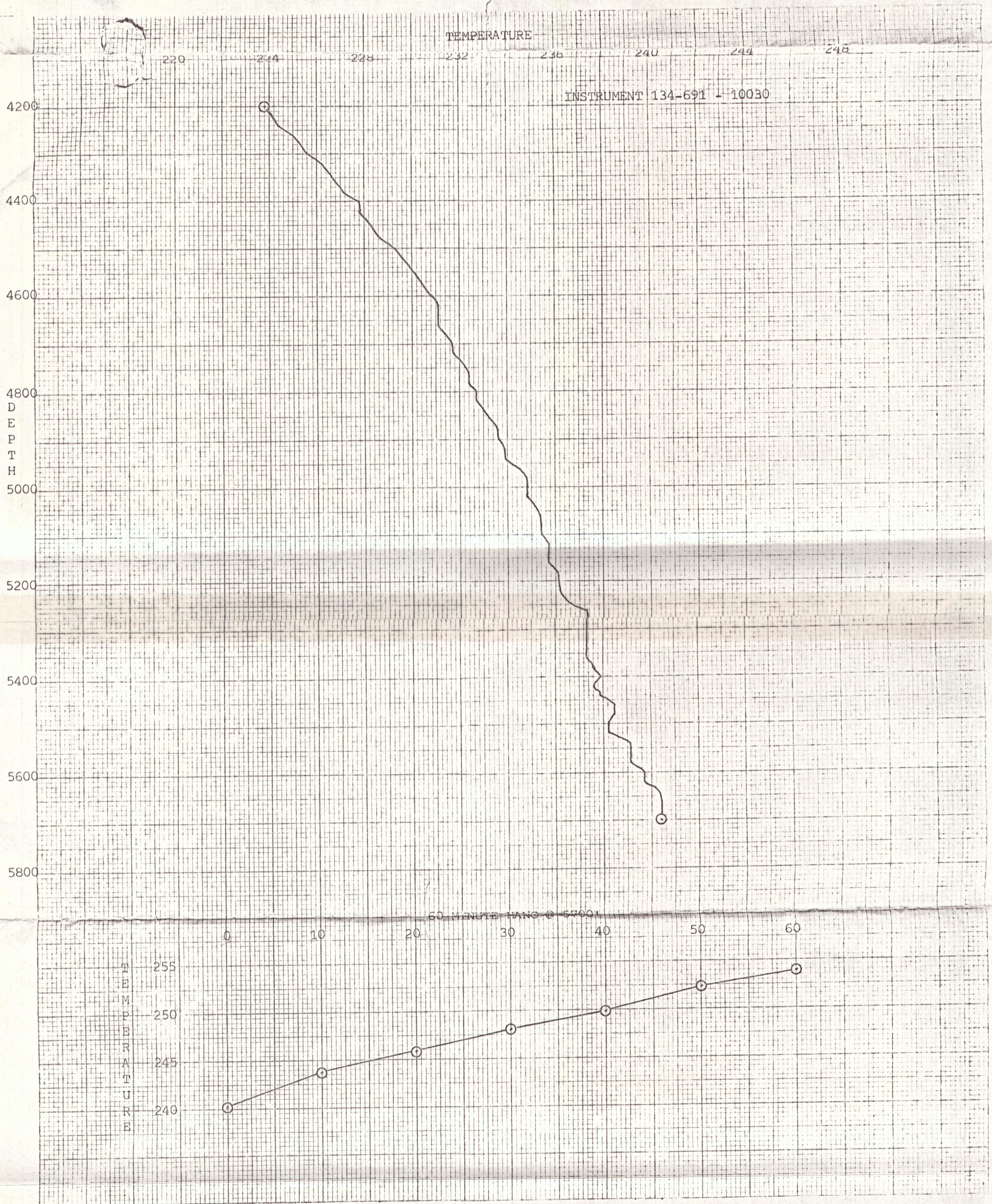


SUBSURFACE SURVEY

OWNER	THERMOGENICS, INC.	FIELD	GEYSERS	WELL NAME	K - 1A
CASING:	4188' - 9-5/8"	ELEV.		DATE:	April 11, 1978
LINER DESCRIPTION:				ZERO POINT	D. F.
PERFORATIONS:				MPP	
TUBING DETAIL:				DEPTH	5740' ZONE
WELL STATUS	Static	PUMP SHOE		ON PRODUCTION	
SURVEYED	TUB. <input type="checkbox"/> ANN <input type="checkbox"/> Casing	SHUT IN		DISENGAGE STYLUS	4:02 pm
PICK UP @	none made	ENGAGE STYLUS	12:30 pm	TIME OFF BOTTOM	3:30 pm
ELEMENT RANGE	100-558 & 134-691	TIME ON BOTTOM	2:30 pm	CLOCK 12 hour TURN	15
PURPOSE	STATIC TEMPERATURE TRAVERSE SURVEY	SERIAL NO.	10136 & 10030	MAX. °F	353.9 @ 5700'
REMARKS:	Traverse 20' per minute. Fish in hole, surveyed to 5700'.				

STABILIZATION PERIOD		
PRESSURES:	START	FINISH
DATE		
CASING PSI OBS		
CASING PSI COR		
TUBING PSI OBS		
TUBING PSI COR		
PRESS. STATUS		
INSTRUMENT HUNG @	5700'	

BY: SUNDBERG & ABLIN



DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.	DEPTH	TEMP.
4200	223.8	4500	229.3	4780	232.4	5060	235.4	5340	237.3	5620	239.7
4220	224.1	4520	229.6	4800	232.7	5080	235.4	5360	237.3	5640	240.4
4240	224.4	4540	229.9	4820	232.7	5100	235.4	5380	237.6	5660	240.4
4260	225.0	4560	230.2	4840	233.0	5120	235.7	5400	237.9	5680	240.4
4280	225.3	4580	230.5	4860	233.3	5140	235.7	5420	237.6	5700	240.4
4300	225.6	4600	230.8	4880	233.6	5160	235.7	5440	237.9		
4320	226.2	4620	231.1	4900	233.6	5180	236.1	5460	238.5	60 MINUTE HANG @ 5700'	
4340	226.5	4640	231.1	4920	233.9	5200	236.1	5480	238.5	TIME	TEMP.
4360	226.8	4660	231.1	4940	233.9	5220	236.1	5500	238.2	0	240.4
4380	227.1	4680	231.4	4960	234.5	5240	236.4	5520	238.2	10 min.	243.7
4400	227.8	4700	231.7	4980	234.8	5260	237.3	5540	239.1	20	245.9
4420	227.8	4720	231.7	5000	234.8	5280	237.3	5560	239.1	30	248.0
4440	228.1	4740	232.1	5020	234.8	5300	237.3	5580	239.1	40	249.9
4460	228.4	4760	232.4	2040	235.1	5320	237.3	5600	239.7	50	252.4
4480	228.7									60	353.9