

SOUTHWEST DRILLING AND EXPLORATION, INC.
GEOTECHNICAL SERVICES GROUP

14009 MIDLAND ROAD • POWAY, CALIFORNIA 92064 • (714) 486-4286

November 30, 1982

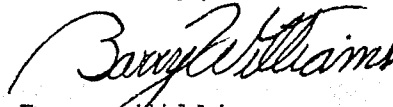
Dr. C. W. Berge
Grace Geothermal Corporation
970 E. 4800 S., Suite 2
Salt Lake City, Utah 84117

Dear Dr. Berge:

Enclosed please find copies of the temperature/depth plots from the second temperature survey run on hole no. 45-14 near Denio, Nevada. As we discussed on the telephone last week, I was unable to reach total depth due to a clay bridge at 1567 feet.

If you would like additional information, please do not hesitate to contact me.

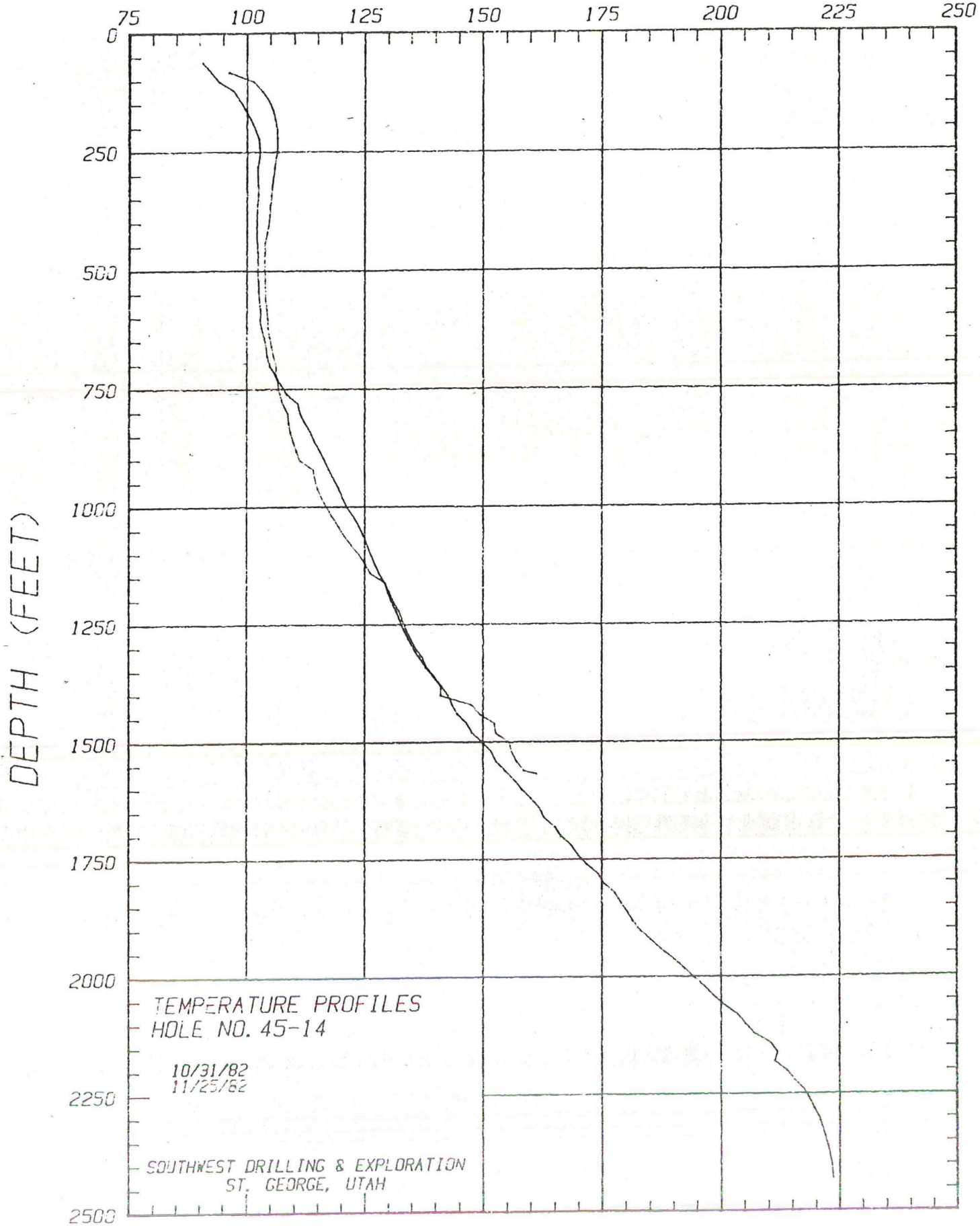
Sincerely;



Barry Williams
Manager, Geotechnical Services

Encl(s)
23-82

TEMPERATURE (°F)

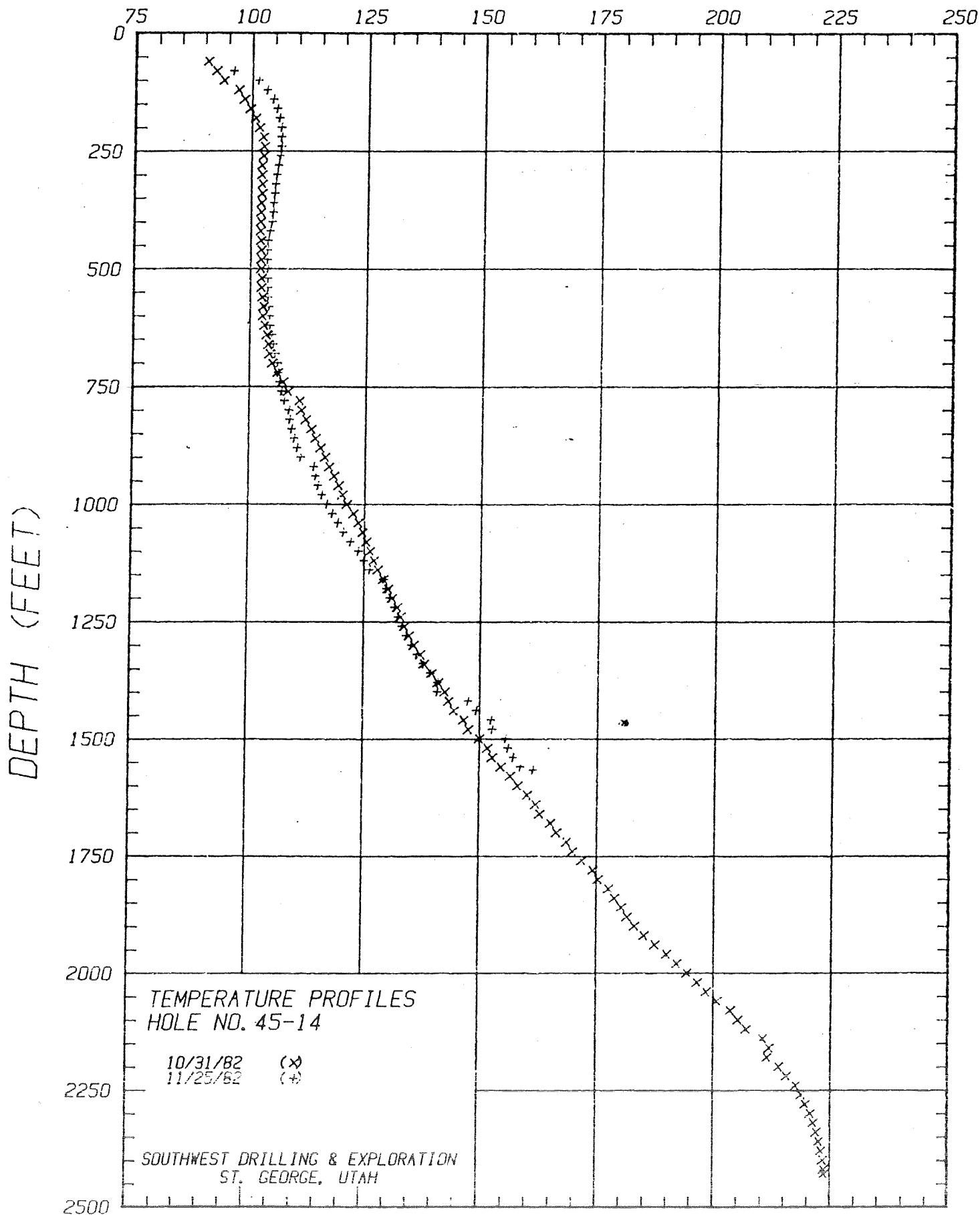


TEMPERATURE PROFILES
HOLE NO. 45-14

10/31/82
11/25/62

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ST. GEORGE, UTAH

TEMPERATURE (°F)

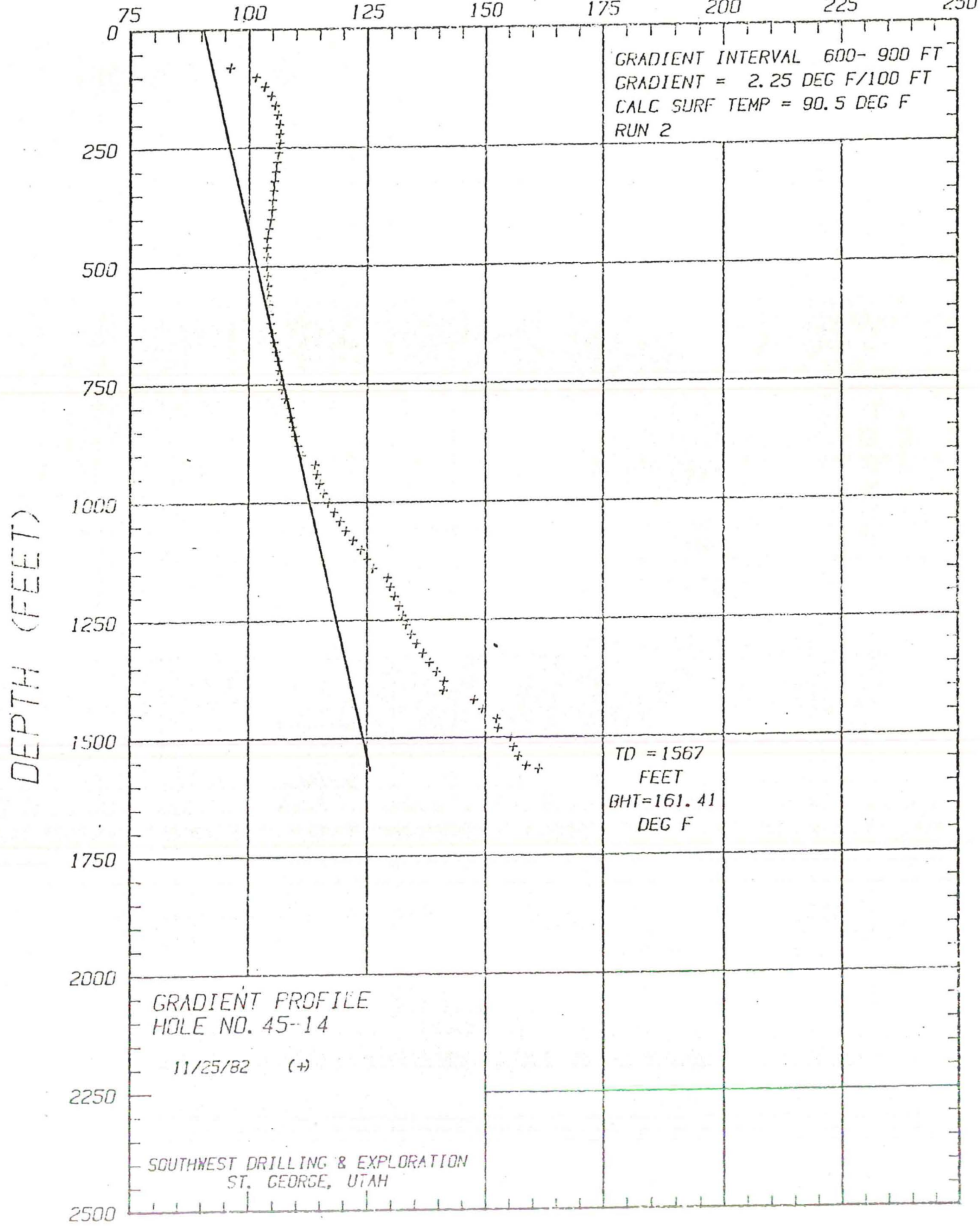


TEMPERATURE PROFILES
HOLE NO. 45-14

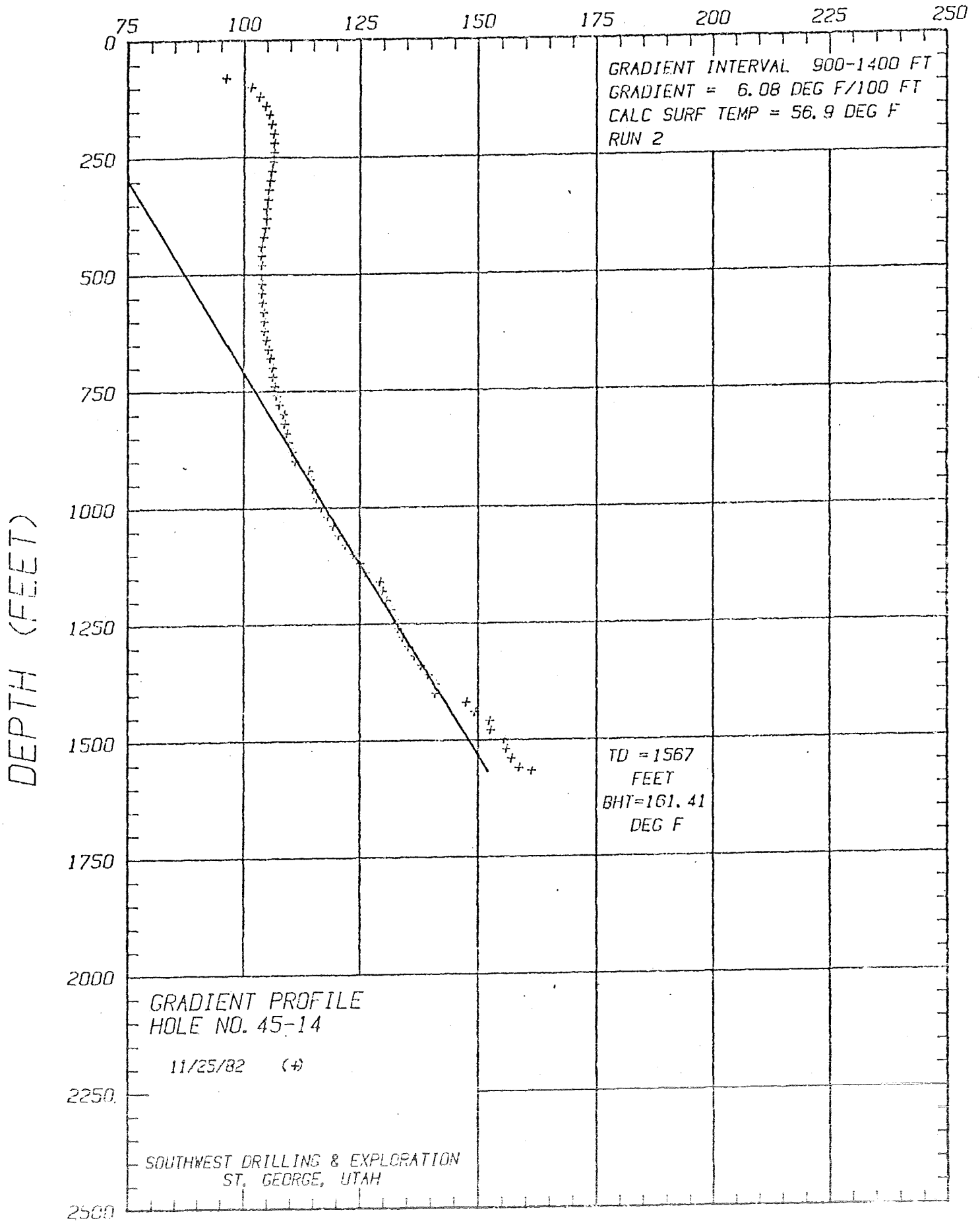
10/31/82 (x)
11/25/62 (+)

SOUTHWEST DRILLING & EXPLORATION
ST. GEORGE, UTAH

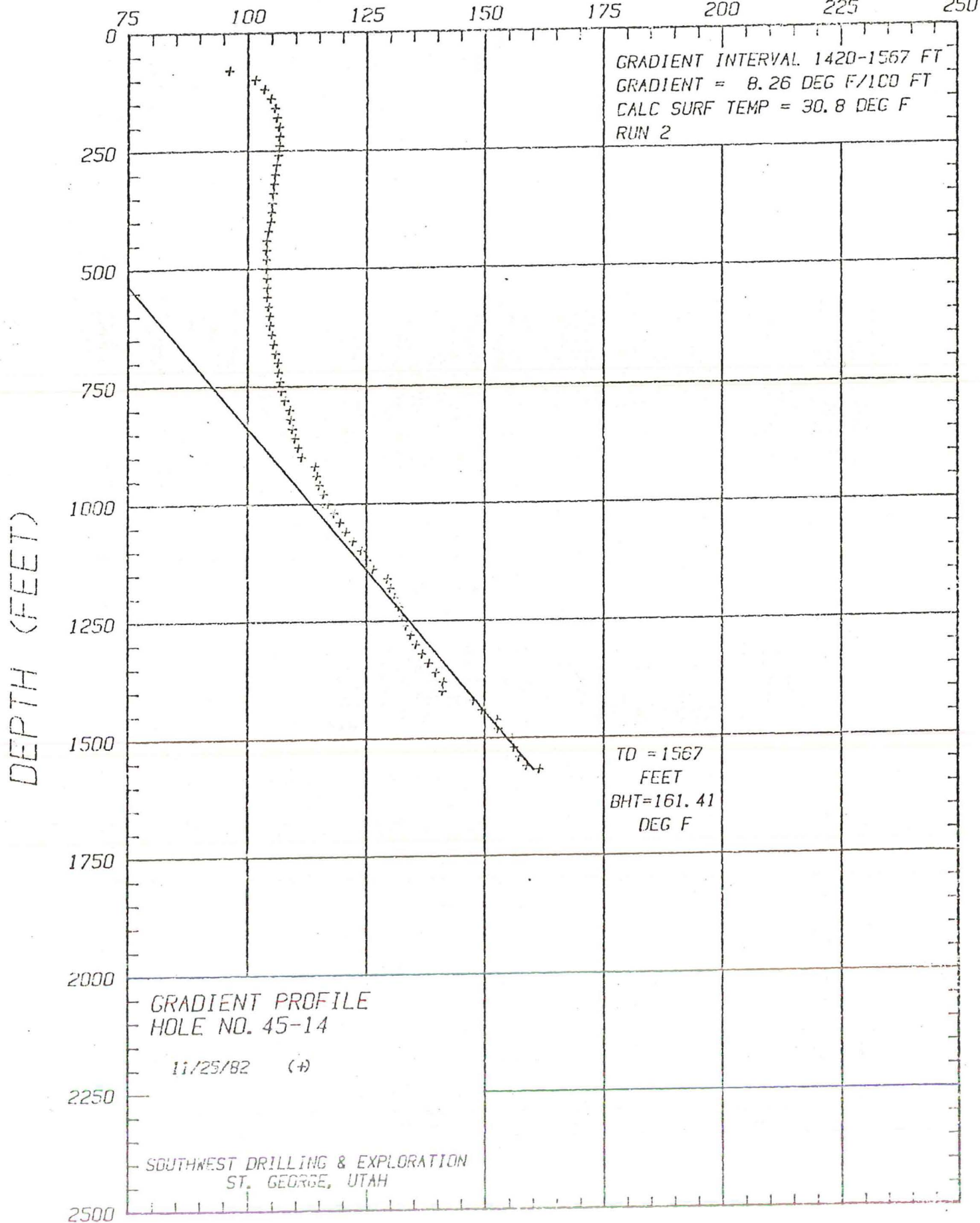
TEMPERATURE (°F)



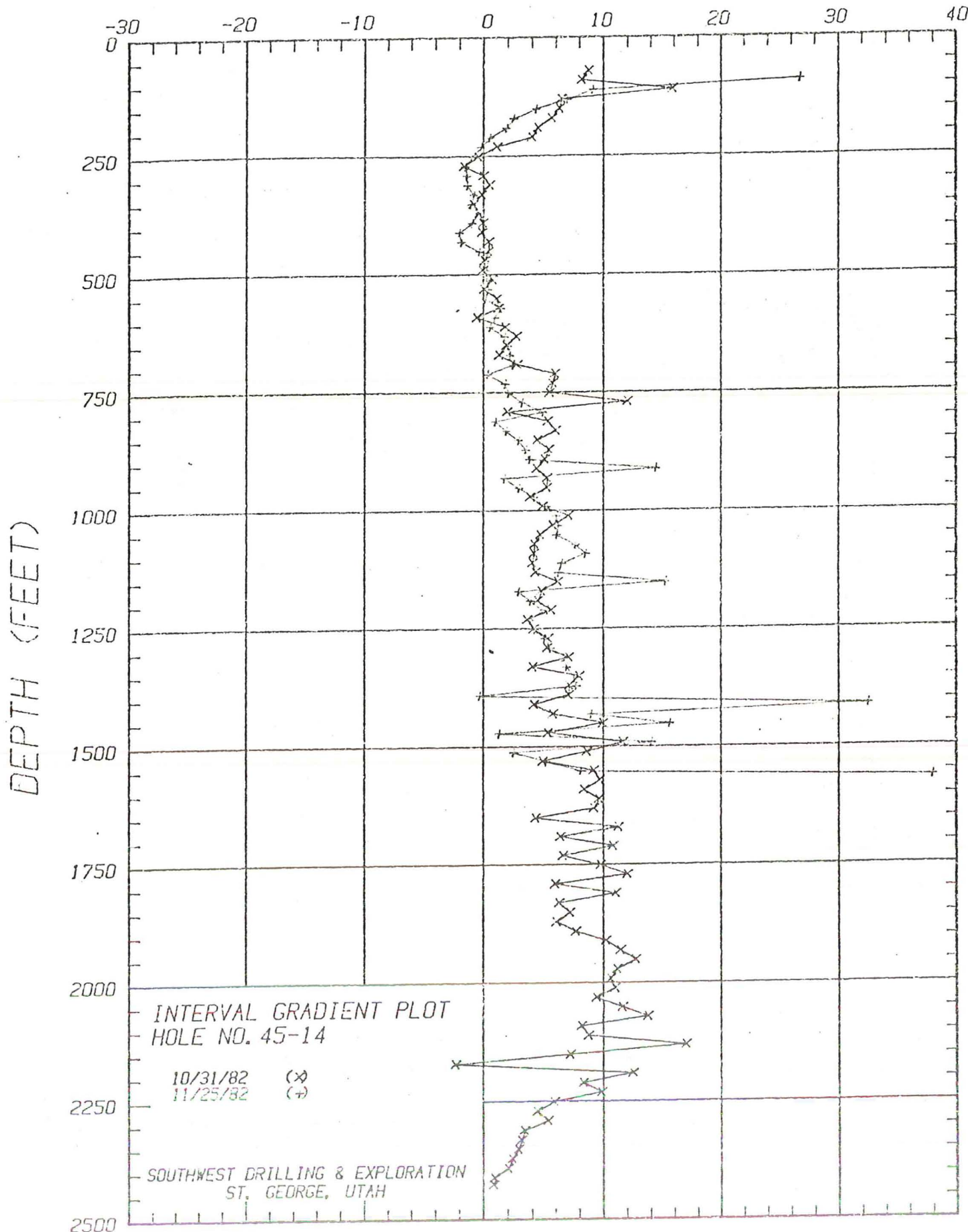
TEMPERATURE (°F)



TEMPERATURE (°F)



GRADIENT (°F/100 FT)



TEMPERATURE/DEPTH DATA

HOLE NO: 45-14

SWDX JOB NO: 23-82

RUN 2

RUN DATE: 11/25/82

DEPTH (FEET)	TEMPERATURE (DEG F)	GRADIENT (DEG F/100 FT)	DEPTH (FEET)	TEMPERATURE (DEG F)	GRADIENT (DEG F/100 FT)
80	96.19		1080	122.15	7.6
100	101.54	26.7	1100	123.85	8.5
120	103.35	9.0	1120	125.14	6.5
140	104.74	6.9	1140	126.38	6.2
160	105.60	4.3	1160	129.43	15.2
180	106.09	2.4	1180	130.00	2.9
200	106.46	1.9	1200	130.77	3.9
220	106.56	.5	1220	131.74	4.9
240	106.51	-.2	1240	132.50	3.8
260	106.30	-1.0	1260	133.34	4.2
280	105.98	-1.6	1280	134.35	5.1
300	105.69	-1.5	1300	135.46	5.6
320	105.41	-1.4	1320	136.77	6.5
340	105.24	-.9	1340	138.15	6.9
360	105.03	-1.0	1360	139.65	7.5
380	104.92	-.6	1380	141.19	7.7
400	104.72	-1.0	1400	141.12	-.4
420	104.31	-2.1	1420	147.63	32.6
440	103.93	-1.9	1440	149.42	8.9
460	103.85	-.4	1460	152.54	15.6
480	103.87	.1	1480	152.79	1.2
500	103.91	.2	1500	155.60	14.1
520	103.96	.2	1520	156.09	2.4
540	104.03	.3	1540	157.13	5.2
560	104.06	.1	1560	158.75	8.1
580	104.34	1.4	1567	161.41	38.0
600	104.52	.9			
620	104.62	.5			
640	104.96	1.7			
660	105.36	2.0			
680	105.79	2.2			
700	106.28	2.4			
720	106.34	.3			
740	106.69	1.8			
760	107.10	2.0			
780	107.73	3.2			
800	108.71	4.9			
820	108.90	1.0			
840	109.27	1.8			
860	109.84	2.8			
880	110.53	3.5			
900	111.28	3.7			
920	114.16	14.4			
940	114.50	1.7			
960	115.08	2.9			
980	115.91	4.2			
1000	116.96	5.2			
1020	118.17	6.0			
1040	119.41	6.2			
1060	120.62	6.0			