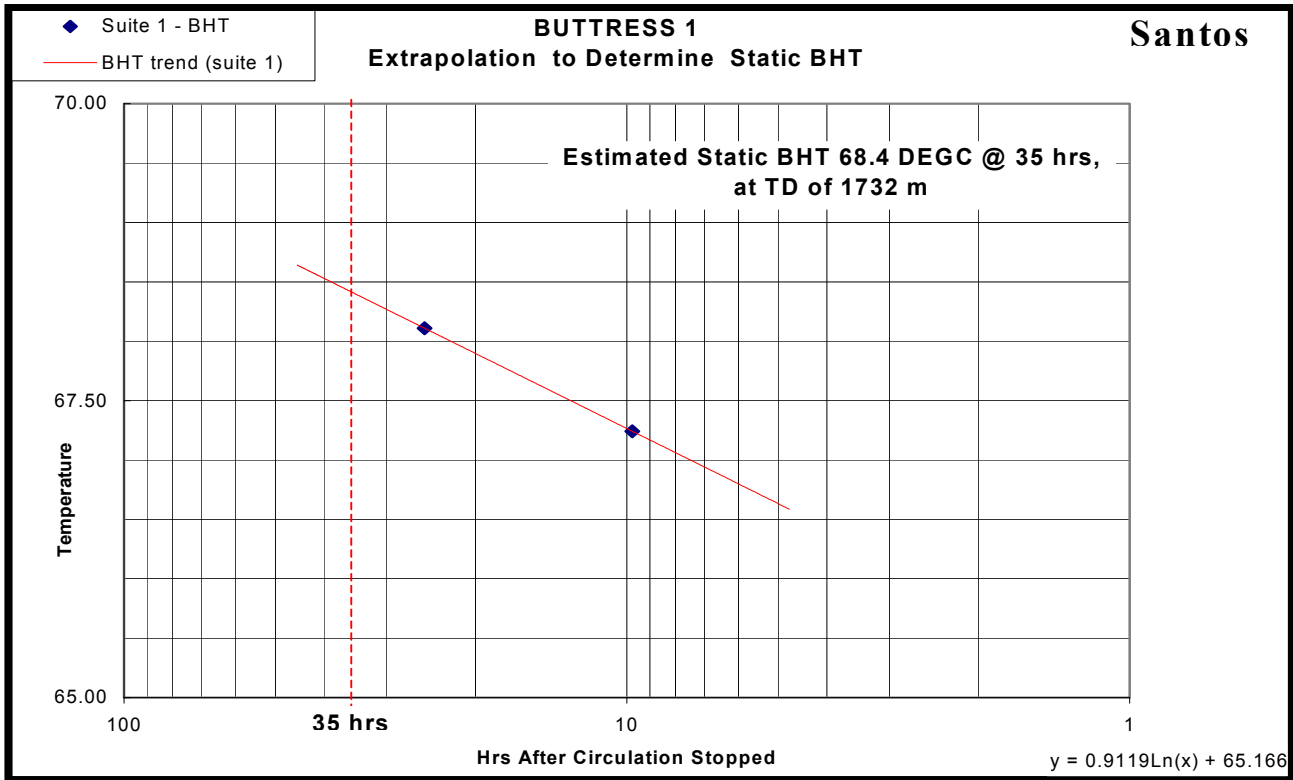
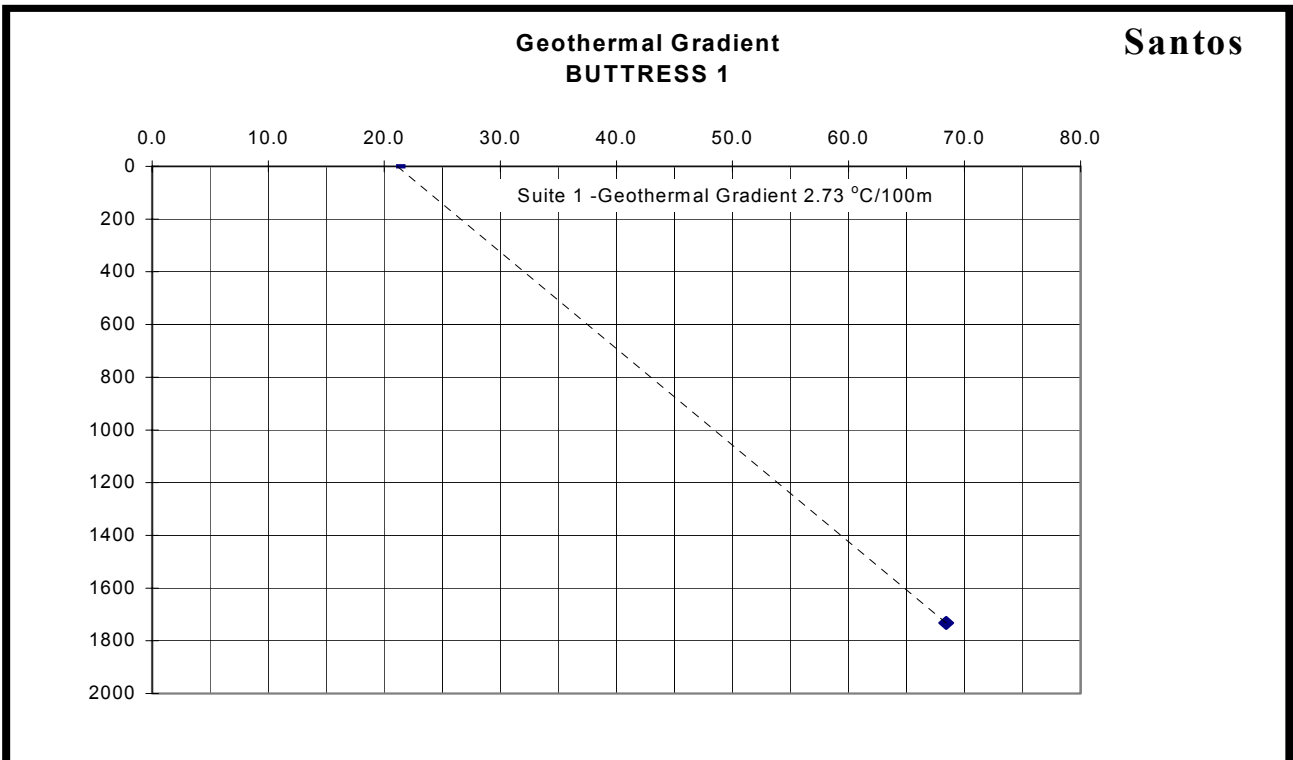


APPENDIX V: GEOTHERMAL GRADIENT

	Max Recorded Temp	Depth Recorded	Time Since Circulation.	Total Depth	Estimated BHT
Run 1	66	1700	9.75	1732	67.24
Run 2	65.9	1675.8	25.25	1732	68.11
Run 3					



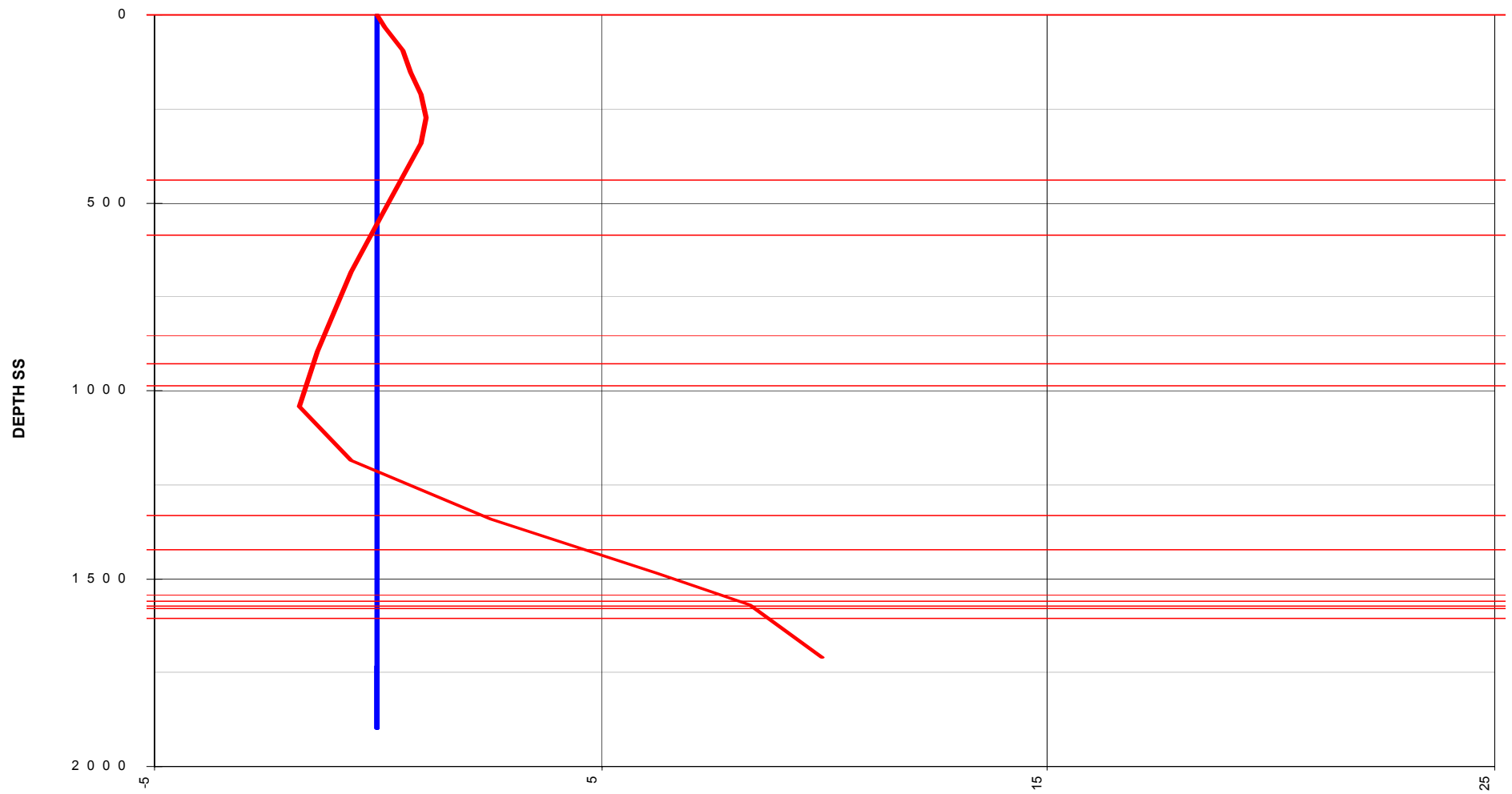
STATIC BHT @ 35 hrs	68.4	°C	@	1732	m
SURFACE TEMP.	21.11	°C	@	0	m
Geothermal Gradient for Suite 1	2.73		°C/100 m		



APPENDIX VI:DEVIATION DATA

BUTTRESS 1					ACTUAL TRAJECTORY DATA				Angle for section plot:			294
DEPTH	INCLIN	Azimuth	TVD	TVD	Northing	Easting	Dog Leg	Vert	Vert	TVD for	Displ	Direction
MD (m)	DEG	DEG (T)	m	S/S m	north	east	°/100'	Sect	Plane	Plan Traj		True
0.00	0.00	000	0.00	-50.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32.00	0.50	293	32.00	-18.50	0.05	-0.13	1.56	0.14	0.14	32.00	0.14	293.00
94.00	0.50	356	94.00	43.50	0.43	-0.40	0.84	0.54	0.54	94.00	0.58	317.34
152.00	0.50	001	152.00	101.50	0.94	-0.41	0.08	0.75	-0.75	152.00	1.02	336.35
211.00	0.25	343	210.99	160.49	1.32	-0.44	0.46	0.94	0.94	210.99	1.39	341.40
273.00	0.20	221	272.99	222.49	1.36	-0.55	0.63	1.06	-1.06	272.99	1.47	337.92
343.00	0.20	139	342.99	292.49	1.18	-0.55	0.37	0.99	-0.99	342.99	1.30	334.87
530.00	0.40	134	529.99	479.49	0.48	0.13	0.11	0.08	-0.08	529.99	0.50	15.20
684.00	0.50	191	683.99	633.49	-0.55	0.39	0.28	-0.58	0.58	683.99	0.68	144.91
896.00	0.75	181	895.97	845.47	-2.85	0.19	0.13	-1.33	1.33	895.97	2.85	176.22
1042.00	0.50	201	1041.97	991.47	-4.40	-0.06	0.23	-1.74	1.74	1041.97	4.40	180.74
1187.00	1.00	275	1186.96	1136.46	-4.88	-1.54	0.68	-0.57	-0.57	1186.96	5.12	197.56
1341.00	1.37	286	1340.92	1290.42	-4.25	-4.65	0.28	2.52	2.52	1340.92	6.30	227.56
1485.00	1.67	311	1484.87	1434.37	-2.40	-7.89	0.50	6.23	6.23	1484.87	8.25	253.06
1571.00	1.75	341	1570.84	1520.34	-0.34	-9.26	1.03	8.33	8.33	1570.84	9.27	267.90
1711.00	2.12	021	1710.76	1660.26	4.10	-9.03	0.98	9.92	-9.92	1710.76	9.92	294.41

B U T T R E S S 1 - V e r t i c a l S e c t i o n @ 2 9 4 D e g



V e r t i c a l S e c t i o n

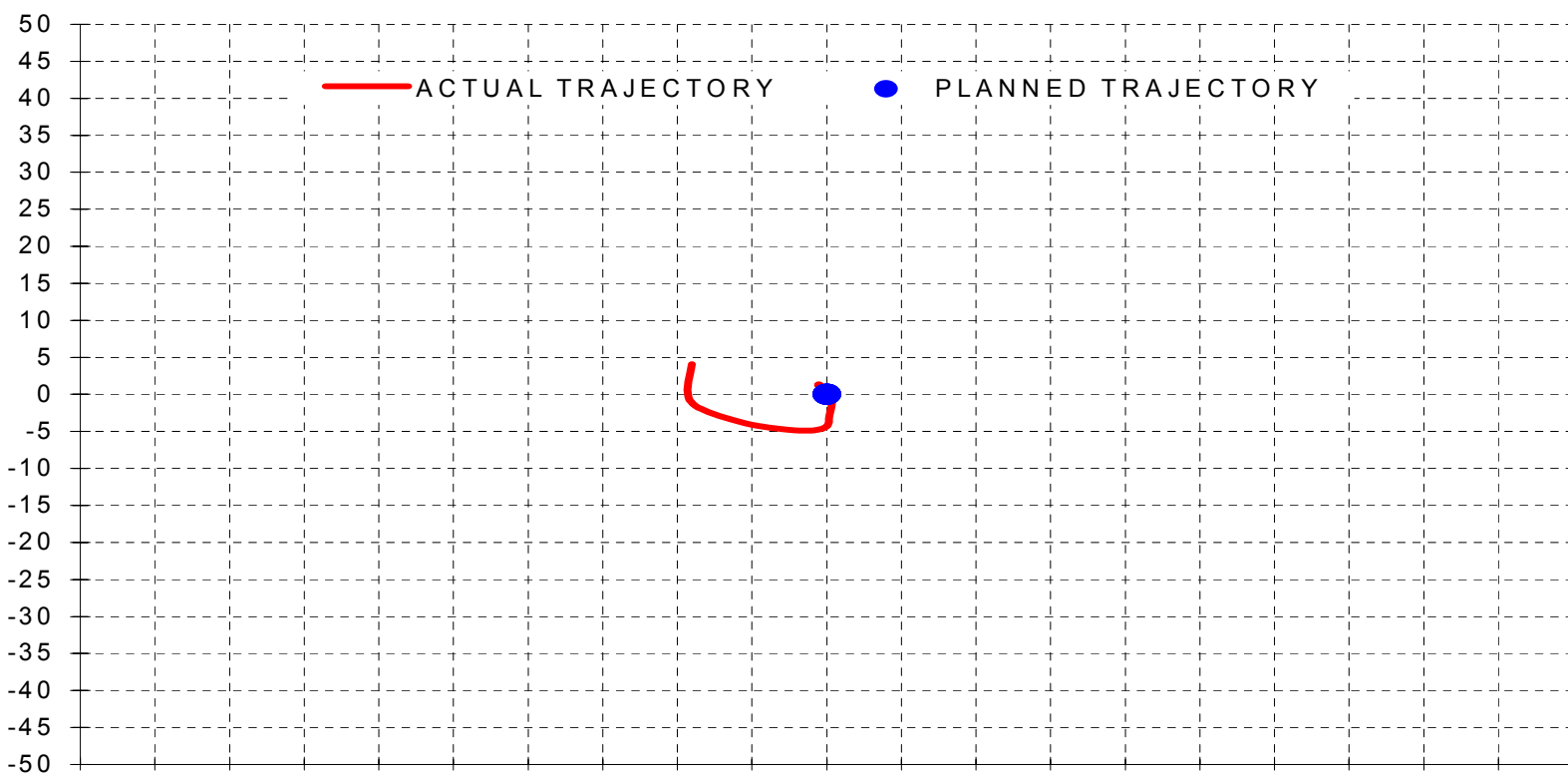
— PLANNED TRAJECTORY — ACTUAL TRAJECTORY

**BUTTRESS 1
Plan View**

Santos

Easting

-50 -45 -40 -35 -30 -25 -20 -15 -10 -5 0 5 10 15 20 25 30 35 40 45 50



Northing

50
45
40
35
30
25
20
15
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50