

GyroTracer Directional:

Date: 10/25/2017
 Operator : David England
 API: 05-123-24718
 Well: Booth USX EE 25-23
 Field : Noble Energy INC
 Tool Type And Number: 1213
 Well Total Depth: 7287
 Bottom Depth : 7000.00
 Latitude : 40.54
 Longitude : 104.61
 Grid Offset : 0.58

**Starting Point Coordinates (in local grid):**

Northing: 0.00 Easting: 0.00 Altitude: 4850.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in feet

Temperature measured in Fahrenheit degrees

Start Time: 10/25/2017 10:18

End Time: 10/25/2017 11:29

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.00	0.00	0.00	0.00	-4850.00	0.00	0.00	0.00	0.00
100.00	0.39	180.43	205.07	-4750.00	-0.62	-0.29	0.39	0.68
200.00	0.28	161.13	195.12	-4650.00	-1.14	-0.31	0.24	1.18
300.00	0.40	121.27	175.90	-4550.01	-1.51	0.11	0.26	1.52
400.00	0.24	182.06	172.49	-4450.01	-1.73	0.23	0.35	1.74
500.00	0.23	109.37	169.69	-4350.01	-1.95	0.36	0.28	1.99
600.00	0.13	164.84	170.40	-4250.01	-2.15	0.36	0.20	2.18
700.00	0.10	349.17	171.72	-4150.01	-2.17	0.32	0.27	2.19
800.00	0.30	271.67	178.23	-4050.01	-2.16	0.07	0.31	2.16
900.00	0.24	240.59	183.59	-3950.01	-2.35	-0.15	0.08	2.36
1000.00	0.12	279.44	188.18	-3850.01	-2.56	-0.37	0.16	2.59
1100.00	0.48	174.93	191.54	-3750.01	-3.09	-0.63	0.53	3.16
1200.00	0.49	274.62	200.88	-3650.01	-3.05	-1.17	0.69	3.27
1300.00	0.40	313.98	210.13	-3550.02	-2.76	-1.60	0.24	3.19
1400.00	0.49	336.26	218.41	-3450.02	-2.24	-1.77	0.16	2.85
1500.00	0.56	24.64	226.75	-3350.02	-1.55	-1.65	0.38	2.26
1600.00	0.60	88.49	220.71	-3250.03	-1.17	-1.00	0.56	1.54
1700.00	0.39	71.61	195.58	-3150.03	-1.12	-0.31	0.32	1.16
1800.00	0.16	130.73	169.68	-3050.03	-1.05	0.19	0.32	1.07
1900.00	0.49	107.75	152.40	-2950.03	-1.19	0.62	0.30	1.34
2000.00	0.15	245.42	140.89	-2850.03	-1.05	0.85	0.56	1.35
2100.00	0.37	116.82	131.53	-2750.03	-1.15	1.30	0.24	1.74
2200.00	0.19	298.18	124.89	-2650.04	-1.02	1.47	0.56	1.79

2300.00	0.25	83.49	121.51	-2550.04	-1.09	1.78	0.43	2.09
2400.00	0.64	44.01	108.65	-2450.04	-0.70	2.07	0.44	2.19
2500.00	0.20	103.32	110.95	-2350.04	-0.91	2.38	0.13	2.55
2600.00	0.52	266.88	105.90	-2250.04	-0.63	2.20	0.75	2.28
2700.00	0.45	275.89	123.79	-2150.05	-0.92	1.38	0.10	1.66
2800.00	0.71	239.27	162.39	-2050.06	-1.09	0.35	0.44	1.15
2900.00	1.01	276.95	219.81	-1950.06	-1.03	-0.85	0.27	1.33
3000.00	0.83	285.55	250.50	-1850.07	-0.76	-2.16	0.24	2.29
3100.00	0.87	308.11	261.10	-1750.08	-0.50	-3.23	0.37	3.26
3200.00	1.00	307.06	274.01	-1650.09	0.30	-4.27	0.33	4.28
3300.00	1.05	307.09	280.70	-1550.10	1.04	-5.52	0.45	5.62
3400.00	0.94	341.47	288.69	-1450.11	2.12	-6.25	0.55	6.60
3500.00	1.25	306.86	294.95	-1350.13	3.44	-7.38	0.75	8.14
3600.00	1.81	319.41	299.34	-1250.16	5.24	-9.32	0.65	10.70
3700.00	1.82	323.68	304.76	-1150.22	7.86	-11.33	0.12	13.79
3800.00	2.19	351.70	312.14	-1050.27	11.07	-12.23	0.97	16.49
3900.00	1.71	123.53	313.75	-950.32	9.48	-9.90	3.48	13.71
4000.00	2.38	144.37	315.78	-850.39	7.18	-6.98	1.01	10.01
4100.00	2.02	181.06	297.53	-750.47	4.92	-9.44	1.25	10.65
4200.00	2.50	177.80	278.65	-650.55	1.26	-8.30	0.57	8.40
4300.00	1.80	209.67	258.65	-550.62	-1.94	-9.67	1.28	9.86
4400.00	1.73	258.16	253.44	-450.67	-3.63	-12.22	1.33	12.74
4500.00	2.03	261.70	255.98	-350.71	-3.75	-15.00	0.43	15.46
4600.00	1.61	287.26	260.23	-250.74	-2.97	-17.25	0.80	17.50
4700.00	2.17	331.63	266.65	-150.78	-1.13	-19.34	1.44	19.38
4800.00	1.09	4.68	273.26	-50.81	1.13	-19.79	1.20	19.82
4900.00	1.02	30.86	279.13	49.17	3.03	-18.87	0.47	19.11
5000.00	1.34	53.82	285.15	149.14	4.69	-17.31	0.52	17.94
5100.00	1.44	86.61	290.11	249.12	5.61	-15.32	0.75	16.32
5200.00	1.12	256.46	285.50	349.10	4.66	-16.81	0.71	17.44
5300.00	1.05	314.05	287.20	449.01	6.14	-19.82	0.73	20.75
5400.00	1.46	355.90	291.54	548.98	8.26	-20.91	0.96	22.48
5500.00	1.96	26.90	298.93	648.93	11.47	-20.75	0.97	23.71
5600.00	2.27	24.76	307.72	748.86	14.41	-18.62	0.38	23.55
5700.00	1.90	50.59	315.02	848.81	15.84	-15.82	0.14	22.39
5800.00	1.05	277.98	319.58	948.78	16.65	-14.18	2.68	21.87
5900.00	1.02	272.92	315.69	1048.76	16.43	-16.04	0.08	22.96
6000.00	1.27	97.70	319.81	1148.73	16.48	-13.93	2.22	21.58
6100.00	1.36	125.81	323.11	1248.71	15.76	-11.83	0.57	19.70
6200.00	1.36	155.53	322.92	1348.68	13.80	-10.43	0.61	17.30
6300.00	0.88	184.44	320.61	1448.66	11.93	-9.79	0.75	15.43
6400.00	0.72	189.16	316.67	1548.65	10.68	-10.08	0.13	14.69
6500.00	0.94	148.28	315.01	1648.64	9.39	-9.38	0.59	13.27
6600.00	1.11	167.26	310.32	1748.62	7.75	-9.13	0.31	11.97
6700.00	0.89	196.39	306.29	1848.61	6.48	-8.82	0.70	10.94
6800.00	0.97	345.01	308.81	1948.59	7.27	-9.04	1.82	11.60
6900.00	1.29	197.74	301.89	2048.57	6.37	-10.24	2.14	12.06
7000.00	1.13	88.20	304.64	2148.56	6.28	-9.09	1.93	11.06



Temp
0.00
64.93
64.78
64.77
64.84
64.97
65.16
65.43
65.78
66.18
66.56
70.62
71.06
71.68
72.27
72.88
73.53
74.24
75.01
75.85
76.59
84.04
84.97

85.95
87.03
88.01
89.07
90.25
91.43
92.93
94.04
104.81
105.91
107.03
108.14
109.35
110.62
111.86
113.23
114.64
116.03
117.45
130.00
131.22
132.49
133.80
135.10
136.55
137.80
139.14
140.53
141.98
155.32
156.54
157.90
159.34
160.80
162.30
163.83
165.61
167.28
169.43
171.05
186.44
187.87
188.88
190.15
191.51
192.97
194.48
197.22