

**GyroTracer Directional:**

Date: 10/25/2017  
 Operator : Ashton Williams  
 API : 05-123-26592  
 Well Number : Booth USX EE 25-16  
 Field : Noble Energy Inc.  
 Tool Type And Number: 1602  
 Bottom Depth : 7000.00  
 Well Total Depth: 7288.00  
 Latitude : 40.54  
 Longitude : 104.60  
 Grid Offset : 0.58

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

Northing: 0.00      Easting: 0.00      Altitude: 4852.00

**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 14:44

End Time: 10/25/2017 15:51

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.00	0.00	0.00	0.00	-4852.00	0.00	0.00	0.00	0.00
100.00	0.45	53.06	0.00	-4752.00	0.79	0.00	0.45	0.79
200.00	0.31	58.03	24.03	-4652.00	1.17	0.52	0.14	1.28
300.00	0.35	125.64	40.99	-4552.00	1.08	0.94	0.42	1.43
400.00	0.11	69.17	51.03	-4452.00	1.01	1.25	0.29	1.60
500.00	0.50	117.25	63.70	-4352.01	0.81	1.65	0.39	1.84
600.00	0.51	96.00	68.78	-4252.01	0.78	2.01	0.31	2.16
700.00	0.27	146.49	75.73	-4152.01	0.62	2.45	0.69	2.53
800.00	0.14	55.64	79.71	-4052.01	0.53	2.93	0.27	2.98
900.00	0.22	216.26	82.93	-3952.01	0.37	2.97	0.29	2.99
1000.00	0.32	191.00	91.18	-3852.01	-0.06	3.06	0.14	3.06
1100.00	0.43	217.60	99.39	-3752.01	-0.50	3.03	0.24	3.07
1200.00	0.23	196.74	110.38	-3652.02	-1.06	2.86	0.21	3.05
1300.00	0.33	260.26	118.13	-3552.02	-1.32	2.47	0.33	2.80
1400.00	0.38	228.78	128.95	-3452.02	-1.66	2.05	0.18	2.64
1500.00	0.21	213.96	135.78	-3352.02	-1.98	1.92	0.17	2.76
1600.00	0.17	241.78	142.67	-3252.02	-2.27	1.73	0.10	2.86
1700.00	0.08	248.03	143.19	-3152.02	-2.27	1.70	0.08	2.83
1800.00	0.21	349.62	143.31	-3052.02	-2.37	1.76	0.22	2.95
1900.00	0.44	196.00	147.37	-2952.02	-2.61	1.67	0.62	3.10
2000.00	0.37	227.03	153.17	-2852.02	-3.05	1.54	0.21	3.42
2100.00	0.35	43.53	146.78	-2752.03	-3.12	2.04	0.78	3.73
2200.00	0.57	301.07	148.10	-2652.03	-2.58	1.61	0.72	3.04

2300.00	0.30	301.43	149.98	-2552.03	-2.03	1.17	0.23	2.35
2400.00	0.23	302.94	153.96	-2452.03	-1.77	0.87	0.10	1.97
2500.00	0.19	319.94	155.84	-2352.03	-1.61	0.72	0.06	1.76
2600.00	0.38	323.34	168.48	-2252.04	-1.41	0.29	0.23	1.44
2700.00	0.21	284.03	187.39	-2152.04	-1.21	-0.16	0.29	1.22
2800.00	0.17	267.45	213.38	-2052.04	-0.85	-0.56	0.09	1.02
2900.00	0.27	308.73	236.48	-1952.04	-0.58	-0.88	0.16	1.06
3000.00	0.24	309.09	255.37	-1852.04	-0.35	-1.33	0.02	1.37
3100.00	0.28	298.83	261.27	-1752.04	-0.27	-1.77	0.02	1.79
3200.00	0.73	251.00	261.62	-1652.04	-0.37	-2.51	0.58	2.54
3300.00	0.56	285.50	263.91	-1552.05	-0.36	-3.39	0.32	3.41
3400.00	0.41	288.43	267.08	-1452.05	-0.21	-4.19	0.21	4.19
3500.00	0.82	311.76	272.61	-1352.06	0.24	-5.32	0.44	5.32
3600.00	0.13	270.33	273.36	-1252.06	0.35	-5.92	0.55	5.93
3700.00	0.83	245.41	269.75	-1152.07	-0.03	-6.47	0.72	6.47
3800.00	1.26	265.04	266.62	-1052.08	-0.47	-7.98	0.55	7.99
3900.00	0.72	252.61	266.50	-952.09	-0.58	-9.40	0.52	9.42
4000.00	0.97	268.72	267.02	-852.11	-0.59	-11.33	0.30	11.34
4100.00	0.58	271.87	268.25	-752.12	-0.38	-12.33	0.11	12.33
4200.00	0.66	259.14	267.98	-652.12	-0.47	-13.37	0.17	13.38
4300.00	0.50	212.91	265.40	-552.13	-1.12	-13.90	0.45	13.95
4400.00	1.18	220.43	260.69	-452.14	-2.44	-14.86	0.68	15.06
4500.00	1.22	201.86	255.28	-352.17	-4.30	-16.36	0.45	16.92
4600.00	1.54	202.87	250.81	-252.21	-6.36	-18.27	0.84	19.34
4700.00	1.55	210.95	245.94	-152.25	-8.78	-19.68	0.11	21.55
4800.00	1.66	203.89	240.79	-52.30	-11.58	-20.72	0.18	23.73
4900.00	1.71	296.60	240.76	47.66	-12.65	-22.60	2.47	25.90
5000.00	1.43	333.83	246.06	147.62	-10.99	-24.76	1.00	27.08
5100.00	1.40	291.74	249.32	247.59	-10.26	-27.17	0.91	29.04
5200.00	1.21	278.11	252.70	347.56	-9.09	-29.21	0.34	30.59
5300.00	0.96	252.17	254.48	447.54	-8.60	-30.96	0.78	32.13
5400.00	0.50	279.98	255.01	547.53	-8.60	-32.11	0.54	33.24
5500.00	0.19	266.72	254.79	647.53	-8.83	-32.49	0.40	33.66
5600.00	0.26	48.34	255.15	747.53	-8.51	-32.10	0.38	33.21
5700.00	0.45	24.54	256.14	847.52	-7.82	-31.69	0.23	32.64
5800.00	0.61	26.07	258.33	947.52	-6.52	-31.55	0.03	32.22
5900.00	0.52	270.29	259.36	1047.51	-6.05	-32.19	1.15	32.75
6000.00	0.54	235.24	258.79	1147.50	-6.61	-33.36	0.26	34.01
6100.00	1.61	48.01	260.90	1247.47	-5.37	-33.57	2.27	34.00
6200.00	2.28	36.49	265.70	1347.40	-2.35	-31.25	0.76	31.34
6300.00	2.57	27.26	271.88	1447.31	0.95	-28.97	0.61	28.98
6400.00	1.20	16.32	276.89	1547.27	3.33	-27.57	1.40	27.77
6500.00	0.44	56.57	278.79	1647.26	4.16	-26.90	0.91	27.22
6600.00	0.64	144.86	279.22	1747.25	4.18	-25.73	0.85	26.06
6700.00	1.19	142.95	276.75	1847.24	2.94	-24.84	0.62	25.01
6800.00	1.01	143.69	273.69	1947.22	1.53	-23.71	0.10	23.76
6900.00	1.31	155.09	269.13	2047.20	-0.35	-22.66	0.38	22.67
7000.00	0.84	147.12	263.65	2147.16	-2.37	-21.29	0.49	21.43



Temp
0.00
100.11
98.87
98.06
97.34
96.67
96.03
95.36
94.74
94.25
93.72
93.27
92.74
92.31
91.92
91.61
90.42
90.40
90.41
90.54
90.71
90.87
91.11

91.44
91.85
92.38
93.02
100.86
101.82
102.75
103.64
104.39
105.42
107.16
108.74
118.31
119.00
119.86
120.73
121.66
122.80
123.98
125.23
126.38
127.56
128.98
140.68
141.79
142.98
144.19
145.53
146.82
148.29
149.85
151.35
164.20
166.78
167.87
168.99
170.19
171.04
172.17
173.28
174.75
176.30
177.87
179.69
198.66
200.73
203.22
205.60