

GyroTracer Directional:

Date: 10/16/2017
 Operator : Ashton Williams
 API: 05-123-18643
 Well: Rubix A 32-03
 Field : Noble Energy Inc.
 Tool Type And Number: 1602
 Well Total Depth: 7087
 Bottom Depth : 6700.00
 Latitude : 40.45
 Longitude : 104.58
 Grid Offset : 0.60

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

Northing: 0.00 Easting: 0.00 Altitude: 4662.00

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: 10/16/2017 14:41

End Time: 10/16/2017 15:55

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.00	0.00	0.00	0.00	-4662.00	0.00	0.00	0.00	0.00
101.20	0.41	216.89	217.67	-4560.80	-0.57	-0.44	0.41	0.72
200.00	0.54	201.31	208.26	-4462.00	-1.37	-0.74	0.18	1.56
300.00	0.14	212.71	199.47	-4362.01	-1.98	-0.70	0.29	2.10
400.00	0.58	146.19	190.05	-4262.01	-2.76	-0.49	0.62	2.80
500.00	0.56	148.40	182.95	-4162.02	-3.50	-0.18	0.10	3.51
600.00	0.45	197.70	179.66	-4062.02	-4.01	0.02	0.42	4.01
700.00	0.53	154.46	178.41	-3962.03	-4.96	0.14	0.51	4.96
800.00	0.45	178.31	177.04	-3862.03	-5.65	0.29	0.22	5.65
900.00	0.46	157.90	176.36	-3762.04	-6.69	0.43	0.23	6.70
1000.00	0.75	192.33	175.34	-3662.04	-7.62	0.62	0.38	7.64
1100.00	0.81	171.08	176.13	-3562.05	-8.85	0.60	0.28	8.87
1200.00	0.78	157.45	174.06	-3462.06	-10.08	1.05	0.21	10.13
1300.00	0.79	157.77	172.66	-3362.07	-11.44	1.47	0.01	11.53
1400.00	0.50	166.47	171.50	-3262.08	-12.56	1.88	0.29	12.70
1500.00	0.76	187.42	171.18	-3162.08	-13.58	2.11	0.40	13.74
1600.00	0.49	235.07	171.28	-3062.09	-14.65	2.25	0.68	14.83
1700.00	0.76	208.23	173.80	-2962.10	-15.76	1.71	0.24	15.85
1800.00	0.85	209.39	175.73	-2862.11	-16.95	1.26	0.09	16.99
1900.00	0.50	220.07	177.62	-2762.11	-17.84	0.74	0.34	17.86
2000.00	0.78	223.09	180.22	-2662.12	-18.82	-0.07	0.28	18.82
2100.00	0.71	203.45	183.14	-2562.13	-20.01	-1.10	0.27	20.04
2200.00	0.60	220.72	185.35	-2462.14	-21.07	-1.97	0.28	21.16

2300.00	1.38	220.16	187.48	-2362.16	-22.77	-2.99	0.47	22.96
2400.00	1.39	211.70	190.11	-2262.20	-25.02	-4.46	0.21	25.41
2500.00	1.41	200.73	191.88	-2162.23	-27.17	-5.72	0.22	27.76
2600.00	1.39	195.59	192.88	-2062.26	-29.31	-6.70	0.15	30.07
2700.00	1.15	199.57	192.47	-1962.28	-31.46	-6.96	0.22	32.22
2800.00	0.99	171.27	191.88	-1862.31	-33.85	-7.12	0.54	34.60
2900.00	1.37	183.22	191.20	-1762.34	-36.15	-7.16	0.46	36.85
3000.00	1.02	166.81	189.89	-1662.37	-38.38	-6.70	0.40	38.96
3100.00	0.57	157.76	188.91	-1562.38	-40.01	-6.27	0.48	40.50
3200.00	0.44	39.29	188.47	-1462.39	-40.12	-5.98	0.86	40.57
3300.00	1.31	342.03	188.99	-1362.40	-38.50	-6.09	1.16	38.98
3400.00	2.12	338.78	190.60	-1262.45	-35.53	-6.65	0.91	36.15
3500.00	2.28	356.09	193.02	-1162.52	-31.82	-7.36	0.68	32.66
3600.00	3.11	347.60	195.47	-1062.64	-26.99	-7.47	0.93	28.00
3700.00	2.95	343.03	201.02	-962.76	-22.21	-8.54	0.20	23.80
3800.00	2.78	339.04	210.82	-862.89	-17.38	-10.37	0.34	20.24
3900.00	3.08	327.38	225.06	-763.03	-12.72	-12.74	0.62	18.00
4000.00	2.72	313.98	240.97	-663.16	-8.58	-15.46	0.77	17.68
4100.00	1.53	300.99	250.55	-563.22	-6.38	-18.06	1.32	19.15
4200.00	0.58	300.66	254.40	-463.24	-5.56	-19.92	0.93	20.68
4300.00	0.40	235.41	255.59	-363.24	-5.37	-20.88	0.55	21.56
4400.00	0.17	194.20	254.43	-263.25	-5.92	-21.26	0.34	22.07
4500.00	0.34	132.35	253.51	-163.25	-6.30	-21.28	0.32	22.19
4600.00	0.24	159.71	252.99	-63.25	-6.48	-21.18	0.22	22.14
4700.00	0.32	88.39	251.73	36.75	-6.84	-20.70	0.30	21.80
4800.00	0.86	87.34	250.58	136.75	-7.04	-19.98	0.57	21.19
4900.00	1.25	78.54	249.23	236.73	-6.87	-18.12	0.48	19.37
5000.00	0.89	69.41	248.29	336.71	-6.45	-16.20	0.39	17.43
5100.00	0.47	54.66	248.78	436.70	-5.84	-15.04	0.44	16.14
5200.00	0.35	358.95	248.41	536.70	-5.71	-14.43	0.36	15.52
5300.00	0.45	324.75	250.50	636.69	-5.17	-14.60	0.26	15.49
5400.00	1.39	345.00	256.65	736.68	-3.58	-15.11	0.98	15.53
5500.00	2.28	329.44	266.57	836.63	-0.99	-16.50	1.01	16.53
5600.00	1.97	320.06	276.69	936.57	2.14	-18.26	0.48	18.38
5700.00	2.73	325.95	283.82	1036.49	5.08	-20.65	0.81	21.26
5800.00	2.55	331.24	290.42	1136.41	8.49	-22.80	0.30	24.33
5900.00	3.28	319.58	296.26	1236.27	12.71	-25.77	1.02	28.73
6000.00	2.90	296.33	297.65	1336.14	15.66	-29.89	1.15	33.75
6100.00	3.38	284.58	296.50	1436.00	17.42	-34.94	0.81	39.04
6200.00	4.10	264.80	293.88	1535.80	18.22	-41.17	1.59	45.02
6300.00	6.20	241.73	286.88	1635.37	15.10	-49.77	2.80	52.01
6400.00	5.49	221.92	278.35	1734.77	8.57	-58.39	2.13	59.02
6500.00	4.34	214.72	271.79	1834.42	1.98	-63.50	1.27	63.53
6600.00	2.20	208.54	266.71	1934.19	-3.86	-67.07	2.12	67.18
6700.00	0.86	216.31	264.23	2034.11	-6.98	-69.05	1.36	69.40



Temp
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