

GyroTracer Directional:

Date: 6/7/2018
 Operator : Adrian Bruner
 API: 05-123-15481
 Well Name: **Bruzewski 33-16F**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 7200.00
 Total Well Depth: 7415.00
 Latitude : 40.26277 N
 Longitude : 104.77466 W
 Grid Offset : 0.47

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

Northing: 0.00 Easting: 0.00 Altitude: 4792.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 6/7/2018 12:36

End Time: 6/7/2018 13:47

Depth	Inclination	Azimuth	Closure Direction	True Depth	Coordinates		Dogleg Severity	Closure Distance
					+N/-S	+E/-W		
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.000	0.270	207.296	219.036	100.000	-0.370	-0.300	0.270	0.476
200.000	0.163	301.112	213.445	200.000	-0.562	-0.371	0.336	0.673
300.000	0.558	229.780	242.887	299.997	-0.527	-1.028	0.526	1.155
400.000	0.466	245.315	236.939	399.993	-1.113	-1.710	0.160	2.041
500.000	0.944	242.075	245.665	499.980	-1.450	-3.207	0.474	3.520
600.000	1.291	245.593	250.677	599.951	-1.940	-5.533	0.345	5.863
700.000	1.522	264.645	253.461	699.929	-2.237	-7.532	0.553	7.857
800.000	1.443	260.323	255.887	799.903	-2.464	-9.802	0.190	10.107
900.000	1.654	264.492	256.676	899.876	-2.859	-12.072	0.170	12.406
1000.000	1.356	286.138	257.869	999.843	-3.137	-14.595	0.567	14.929
1100.000	1.661	289.269	261.019	1099.801	-2.756	-17.438	0.229	17.655
1200.000	2.064	284.734	265.062	1199.742	-1.789	-20.709	0.460	20.786
1300.000	2.394	298.954	269.763	1299.676	-0.099	-23.862	0.649	23.862
1400.000	2.227	304.626	274.490	1399.596	2.130	-27.128	0.428	27.212
1500.000	2.755	313.930	279.580	1499.503	5.101	-30.220	0.740	30.647
1600.000	2.938	314.154	284.263	1599.380	8.575	-33.731	0.131	34.803
1700.000	3.205	318.066	288.568	1699.224	12.610	-37.540	0.318	39.601
1800.000	3.716	327.847	293.026	1799.033	17.532	-41.251	0.835	44.822
1900.000	3.851	330.685	297.415	1898.806	23.217	-44.762	0.260	50.425
2000.000	3.800	333.896	301.448	1998.575	29.263	-47.851	0.230	56.090
2100.000	4.134	337.763	304.984	2098.337	35.511	-50.745	0.431	61.936
2200.000	3.924	3.760	309.888	2198.092	42.423	-50.760	1.837	66.154
2300.000	3.999	6.161	314.565	2297.838	49.515	-50.273	0.162	70.562

2400.000	3.780	18.278	318.963	2397.602	56.191	-48.910	0.841	74.496
2500.000	2.701	28.476	322.688	2497.441	61.408	-46.801	1.306	77.209
2600.000	2.525	29.314	325.855	2597.329	65.438	-44.381	0.104	79.068
2700.000	3.054	27.196	328.950	2697.209	69.634	-41.923	0.573	81.280
2800.000	2.934	10.220	331.581	2797.090	74.130	-40.114	0.879	84.287
2900.000	2.646	19.779	334.184	2896.978	78.225	-37.842	0.426	86.898
3000.000	1.852	48.231	336.216	2996.906	81.428	-35.887	1.304	88.985
3100.000	1.436	35.025	337.897	3096.859	83.781	-34.026	0.611	90.426
3200.000	1.340	59.701	339.277	3196.832	85.190	-32.230	0.574	91.083
3300.000	0.674	68.290	340.231	3296.819	85.739	-30.816	0.653	91.108
3400.000	0.605	199.878	340.382	3396.815	85.291	-30.402	1.160	90.547
3500.000	1.186	229.265	339.792	3496.808	84.466	-31.091	0.661	90.006
3600.000	1.906	253.958	338.287	3596.777	83.328	-33.182	0.982	89.692
3700.000	2.608	254.869	335.937	3696.708	82.032	-36.632	0.721	89.839
3800.000	2.975	256.764	333.250	3796.608	81.307	-40.982	0.411	91.051
3900.000	2.525	253.529	330.321	3896.488	80.228	-45.723	0.498	92.342
4000.000	2.973	258.651	327.347	3996.360	78.893	-50.557	0.475	93.702
4100.000	2.924	256.739	324.328	4096.220	77.511	-55.640	0.123	95.414
4200.000	3.240	260.926	321.412	4196.071	76.370	-60.940	0.339	97.704
4300.000	2.832	263.392	318.953	4295.939	75.807	-66.007	0.550	100.517
4400.000	2.259	278.806	317.501	4395.824	77.036	-70.588	0.892	104.485
4500.000	2.451	293.588	316.404	4495.734	78.329	-74.582	0.566	108.157
4600.000	2.503	291.428	315.674	4595.637	80.324	-78.456	0.159	112.282
4700.000	2.699	313.997	315.192	4695.541	82.638	-82.085	1.099	116.478
4800.000	3.267	303.341	314.728	4795.410	85.477	-86.293	0.787	121.461
4900.000	3.087	298.879	314.265	4895.265	88.436	-90.735	0.313	126.703
5000.000	2.819	295.400	313.956	4995.133	91.448	-94.843	0.309	131.750
5100.000	2.272	326.163	313.785	5095.034	94.200	-98.283	1.385	136.137
5200.000	1.859	314.571	313.773	5194.960	96.809	-101.045	0.688	139.936
5300.000	1.610	306.491	313.746	5294.896	99.187	-103.627	0.394	143.446
5400.000	1.970	341.860	313.967	5394.840	101.820	-105.559	1.121	146.662
5500.000	2.120	325.285	314.325	5494.787	104.603	-107.097	0.620	149.705
5600.000	2.190	340.696	314.726	5594.732	107.501	-108.535	0.584	152.762
5700.000	1.535	351.465	315.627	5694.670	110.887	-108.486	0.750	155.129
5800.000	1.701	20.563	316.491	5794.623	113.873	-108.095	0.823	157.008
5900.000	1.280	12.128	317.429	5894.574	116.855	-107.344	0.518	158.676
6000.000	1.757	37.074	318.408	5994.530	119.419	-105.996	0.790	159.674
6100.000	1.443	29.912	319.180	6094.505	121.031	-104.544	0.402	159.931
6200.000	1.789	34.930	320.157	6194.464	122.779	-102.453	0.405	159.910
6300.000	1.548	80.948	320.933	6294.435	123.982	-100.638	1.281	159.686
6400.000	1.830	64.313	321.813	6394.401	125.123	-98.418	0.568	159.191
6500.000	0.676	68.864	322.398	6494.383	125.681	-96.796	1.169	158.636
6600.000	1.120	86.038	322.859	6594.370	125.730	-95.229	0.680	157.723
6700.000	1.230	85.904	323.345	6694.356	125.927	-93.711	0.076	156.969
6800.000	1.036	120.554	323.717	6794.346	125.850	-92.387	0.701	156.120
6900.000	0.727	120.320	324.051	6894.327	124.998	-90.647	0.290	154.407
7000.000	1.050	162.669	324.041	6994.312	123.669	-89.715	0.676	152.784
7100.000	1.203	137.593	324.010	7094.299	122.388	-88.889	0.639	151.262
7200.000	0.501	177.550	323.916	7194.290	121.296	-88.399	0.830	150.090

