

GyroTracer Directional:

Date: 8/8/2018
 Operator : Adrian Bruner
 API: 05-123-24223
 Well Name: **Guttersen USX CC 17-25**
 Field : Noble Energy Inc
 Tool Type And Number: 1605
 Bottom Depth : 6600.00
 Total Well Depth: 6871.00
 Latitude : 40.30846 N
 Longitude : 104.46643 W
 Grid Offset : 0.67

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

Northing: 0.00 Easting: 0.00 Altitude: 4705.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 8/8/2018 10:03

End Time: 8/8/2018 11:04

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	0.360	137.425	100.954	100.000	-0.120	0.620	0.360	0.632
200.000	0.377	138.591	116.673	199.998	-0.491	0.978	0.019	1.094
300.000	0.442	207.734	119.003	299.997	-0.728	1.314	0.445	1.502
400.000	0.192	46.608	115.285	399.996	-0.780	1.651	0.385	1.826
500.000	0.914	322.014	90.301	499.981	-0.007	1.422	0.936	1.422
600.000	1.017	315.982	16.659	599.968	1.170	0.350	0.134	1.221
700.000	0.849	299.885	343.353	699.955	2.317	-0.693	0.330	2.419
800.000	0.900	300.992	329.468	799.943	3.197	-1.885	0.007	3.711
900.000	0.685	278.568	319.926	899.934	3.709	-3.120	0.305	4.847
1000.000	0.514	290.196	312.996	999.929	3.854	-4.134	0.219	5.652
1100.000	0.527	284.556	308.027	1099.924	3.927	-5.022	0.064	6.375
1200.000	0.370	257.286	303.289	1199.920	3.887	-5.919	0.249	7.081
1300.000	0.568	278.217	299.451	1299.916	3.817	-6.760	0.213	7.763
1400.000	0.402	272.366	296.861	1399.913	3.839	-7.581	0.185	8.498
1500.000	0.516	260.044	294.720	1499.909	3.889	-8.448	0.169	9.300
1600.000	0.550	273.809	292.631	1599.905	3.871	-9.285	0.105	10.060
1700.000	0.620	263.281	290.162	1699.900	3.755	-10.226	0.133	10.894
1800.000	0.657	266.051	287.942	1799.893	3.672	-11.340	0.105	11.920
1900.000	1.351	328.363	288.384	1899.886	4.122	-12.404	1.221	13.071
2000.000	0.733	316.333	290.526	1999.879	4.921	-13.142	0.664	14.033
2100.000	0.770	345.767	294.226	2099.871	6.118	-13.597	0.394	14.910
2200.000	0.742	350.831	298.159	2199.861	7.457	-13.931	0.102	15.801
2300.000	1.071	358.656	303.297	2299.844	9.229	-14.052	0.345	16.811

2400.000	1.288	7.804	309.998	2399.813	11.573	-13.793	0.296	18.005
2500.000	1.366	15.082	316.269	2499.786	13.853	-13.253	0.199	19.172
2600.000	1.520	13.742	322.184	2599.756	16.182	-12.559	0.125	20.484
2700.000	1.472	17.960	327.701	2699.722	18.589	-11.751	0.158	21.992
2800.000	1.510	6.571	332.159	2799.686	21.204	-11.199	0.324	23.979
2900.000	1.394	12.320	336.029	2899.651	23.777	-10.572	0.178	26.021
3000.000	1.310	10.054	339.021	2999.620	26.203	-10.047	0.094	28.063
3100.000	1.078	357.493	340.966	3099.596	28.338	-9.776	0.302	29.977
3200.000	0.726	344.334	341.714	3199.583	29.922	-9.888	0.314	31.514
3300.000	0.623	350.907	342.009	3299.575	31.131	-10.109	0.140	32.731
3400.000	0.352	317.848	341.866	3399.570	31.960	-10.467	0.421	33.630
3500.000	0.580	260.951	340.999	3499.566	32.269	-11.112	0.473	34.129
3600.000	0.608	251.829	339.505	3599.562	32.150	-12.017	0.128	34.323
3700.000	0.619	242.580	337.816	3699.557	31.732	-12.939	0.088	34.269
3800.000	0.508	226.528	336.051	3799.550	31.127	-13.825	0.185	34.059
3900.000	0.803	191.222	334.296	3899.542	30.018	-14.449	0.509	33.314
4000.000	1.002	188.217	332.385	3999.529	28.555	-14.938	0.136	32.226
4100.000	1.294	196.839	329.923	4099.511	26.767	-15.502	0.280	30.931
4200.000	1.596	207.413	326.243	4199.481	24.690	-16.501	0.389	29.696
4300.000	1.958	194.509	320.661	4299.429	21.731	-17.811	0.519	28.097
4400.000	2.506	200.855	313.121	4399.348	18.036	-19.260	0.576	26.386
4500.000	2.971	213.822	302.927	4499.234	13.692	-21.142	0.697	25.188
4600.000	3.201	200.272	290.729	4599.091	8.699	-22.985	0.670	24.576
4700.000	2.895	202.491	277.708	4698.920	3.391	-25.056	0.376	25.284
4800.000	2.923	206.397	267.790	4798.801	-1.042	-27.003	0.277	27.023
4900.000	2.700	201.600	259.991	4898.700	-5.101	-28.900	0.179	29.346
5000.000	2.217	201.871	253.553	4998.611	-8.981	-30.425	0.285	31.723
5100.000	1.969	199.466	248.474	5098.538	-12.533	-31.773	0.350	34.155
5200.000	1.707	195.932	244.503	5198.487	-15.567	-32.642	0.270	36.164
5300.000	1.197	212.587	241.616	5298.456	-17.965	-33.248	0.633	37.791
5400.000	1.002	203.113	239.818	5398.436	-19.722	-33.910	0.285	39.228
5500.000	0.762	182.853	238.236	5498.424	-21.219	-34.271	0.389	40.308
5600.000	0.682	221.213	237.509	5598.418	-22.128	-34.745	0.616	41.193
5700.000	0.345	197.472	237.240	5698.413	-22.775	-35.394	0.284	42.088
5800.000	0.339	279.541	237.427	5798.410	-22.978	-35.967	0.442	42.681
5900.000	0.221	273.412	237.958	5898.407	-22.922	-36.624	0.110	43.206
6000.000	0.706	274.631	238.949	5998.401	-22.532	-37.424	0.348	43.683
6100.000	0.681	322.780	240.574	6098.393	-21.501	-38.118	0.478	43.764
6200.000	0.747	341.621	242.683	6198.379	-20.064	-38.846	0.245	43.722
6300.000	1.212	323.919	245.322	6298.356	-18.073	-39.331	0.581	43.285
6400.000	1.595	358.648	248.891	6398.315	-15.287	-39.599	1.026	42.447
6500.000	2.204	354.992	253.363	6498.254	-11.836	-39.611	0.419	41.341
6600.000	2.590	17.210	258.728	6598.174	-7.900	-39.634	1.038	40.414