

GyroTracer Directional:

Date: 6/18/2018
 Operator : Adrian Bruner
 API: 05-123-26357
 Well Name: **Guttersen USX CC 9-8**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 6500.00
 Total Well Depth: 6783.00
 Latitude : 40.328441 N
 Longitude : 104.436184 W
 Grid Offset : 0.69

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

Northing: 0.00 Easting: 0.00 Altitude: 4663.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 6/18/2018 9:13

End Time: 6/18/2018 10:17

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	0.650	73.318	76.817	99.990	0.260	1.110	0.650	1.140
200.000	0.583	79.195	77.841	199.985	0.437	2.030	0.085	2.076
300.000	0.696	119.693	83.121	299.982	0.343	2.847	0.445	2.868
400.000	0.692	114.366	91.173	399.974	-0.082	4.025	0.077	4.026
500.000	0.574	91.805	97.292	499.967	-0.642	5.018	0.254	5.059
600.000	0.133	115.545	98.880	599.966	-0.852	5.454	0.356	5.520
700.000	0.320	166.608	99.595	699.965	-0.970	5.736	0.251	5.818
800.000	0.675	37.729	96.913	799.961	-0.778	6.416	0.872	6.463
900.000	0.805	43.761	90.531	899.953	-0.068	7.380	0.195	7.380
1000.000	0.788	68.694	84.656	999.945	0.770	8.229	0.331	8.264
1100.000	0.634	70.646	80.044	1099.936	1.622	9.239	0.169	9.380
1200.000	0.693	62.972	77.863	1199.927	2.233	10.382	0.086	10.620
1300.000	0.422	52.197	75.466	1299.917	2.976	11.480	0.366	11.859
1400.000	0.682	63.855	73.150	1399.910	3.745	12.366	0.223	12.921
1500.000	0.566	6.648	70.520	1499.903	4.603	13.014	0.626	13.805
1600.000	0.330	45.805	68.147	1599.900	5.333	13.298	0.368	14.327
1700.000	0.216	4.210	66.298	1699.896	5.993	13.652	0.196	14.910
1800.000	0.418	36.357	65.756	1799.895	6.236	13.846	0.261	15.186
1900.000	0.362	210.583	66.101	1899.894	6.048	13.650	0.581	14.930
2000.000	0.688	246.107	66.956	1999.892	5.685	13.364	0.437	14.523
2100.000	0.895	229.183	68.215	2099.885	4.994	12.497	0.288	13.458
2200.000	0.939	252.554	69.423	2199.872	4.196	11.176	0.395	11.938
2300.000	1.048	245.639	71.219	2299.851	3.205	9.425	0.117	9.955

2400.000	1.436	235.312	74.271	2399.824	2.086	7.407	0.364	7.696
2500.000	1.291	225.634	83.649	2499.796	0.623	5.599	0.292	5.633
2600.000	1.135	232.191	100.432	2599.769	-0.680	3.694	0.139	3.756
2700.000	1.328	226.031	140.821	2699.737	-2.033	1.657	0.183	2.623
2800.000	1.321	244.786	188.186	2799.704	-3.411	-0.491	0.439	3.446
2900.000	1.329	244.575	208.663	2899.674	-4.630	-2.531	0.076	5.277
3000.000	1.260	248.621	217.227	2999.649	-5.822	-4.423	0.105	7.312
3100.000	0.898	242.087	221.100	3099.624	-7.076	-6.173	0.377	9.391
3200.000	0.985	242.741	223.287	3199.602	-8.300	-7.818	0.026	11.403
3300.000	1.171	227.791	224.534	3299.579	-9.624	-9.469	0.352	13.501
3400.000	1.340	236.673	226.798	3399.553	-10.707	-11.401	0.247	15.640
3500.000	1.358	224.821	228.878	3499.526	-11.723	-13.428	0.318	17.826
3600.000	1.403	250.912	230.665	3599.501	-12.638	-15.421	0.644	19.938
3700.000	1.360	255.049	231.989	3699.477	-13.573	-17.365	0.101	22.040
3800.000	1.208	232.924	233.435	3799.448	-14.486	-19.530	0.517	24.316
3900.000	0.950	250.746	234.994	3899.424	-15.091	-21.548	0.421	26.307
4000.000	0.742	261.194	236.230	3999.405	-15.609	-23.342	0.191	28.080
4100.000	0.932	255.071	237.442	4099.391	-15.916	-24.927	0.138	29.575
4200.000	0.936	272.285	238.735	4199.383	-15.868	-26.134	0.289	30.574
4300.000	0.842	296.052	240.063	4299.376	-15.603	-27.094	0.410	31.266
4400.000	0.527	315.472	241.501	4399.371	-15.072	-27.760	0.314	31.588
4500.000	0.294	306.015	241.980	4499.370	-14.924	-28.044	0.282	31.768
4600.000	0.415	182.021	241.575	4599.368	-15.280	-28.231	0.676	32.101
4700.000	0.528	40.036	241.142	4699.365	-15.270	-27.710	0.849	31.639
4800.000	0.710	52.521	241.405	4799.361	-14.788	-27.129	0.280	30.898
4900.000	0.251	71.462	242.161	4899.355	-14.065	-26.633	0.550	30.119
5000.000	0.058	322.702	243.128	4999.351	-13.369	-26.384	0.255	29.578
5100.000	0.333	354.515	243.649	5099.349	-13.075	-26.396	0.276	29.456
5200.000	0.660	272.285	244.725	5199.345	-12.781	-27.069	0.655	29.934
5300.000	0.329	294.712	244.918	5299.341	-13.049	-27.879	0.455	30.782
5400.000	1.037	266.163	245.748	5399.335	-12.986	-28.825	0.821	31.615
5500.000	0.765	290.162	246.550	5499.327	-13.038	-30.056	0.505	32.762
5600.000	1.047	274.987	247.753	5599.316	-12.840	-31.389	0.391	33.913
5700.000	1.272	270.237	249.215	5699.304	-12.472	-32.860	0.178	35.147
5800.000	1.140	285.490	251.009	5799.288	-11.826	-34.363	0.371	36.341
5900.000	1.705	284.684	252.756	5899.268	-11.248	-36.237	0.656	37.942
6000.000	1.665	300.079	254.644	5999.243	-10.505	-38.255	0.554	39.671
6100.000	1.786	292.373	256.879	6099.209	-9.443	-40.513	0.272	41.599
6200.000	1.825	287.400	258.910	6199.161	-8.514	-43.438	0.151	44.265
6300.000	1.762	291.369	260.633	6299.111	-7.667	-46.482	0.185	47.110
6400.000	2.580	280.115	262.322	6399.038	-6.753	-50.085	0.891	50.538
6500.000	4.365	284.686	264.126	6498.894	-5.685	-55.258	1.867	55.549