

GyroTracer Directional:

Date: 9/25/2018
 Operator : Adrian Bruner
 API: 05-123-22797
 Well Name: **Weber 6-13**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 7200.00
 Total Well Depth: 7517.00
 Latitude : 40.51818 N
 Longitude : 104.82005 W
 Grid Offset : 0.44

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

Northing: 0.00 Easting: 0.00 Altitude: 4903.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 9/19/2018 9:59

End Time: 9/19/2018 10:45

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	0.390	123.535	123.330	99.998	-0.264	0.401	0.165	0.480
200.000	0.195	76.087	116.679	199.996	-0.486	0.967	0.133	1.082
300.000	0.176	87.699	108.803	299.996	-0.438	1.286	0.013	1.358
400.000	0.252	107.112	106.703	399.995	-0.495	1.649	0.031	1.722
500.000	0.054	95.373	106.454	499.995	-0.563	1.907	0.060	1.988
600.000	0.279	146.551	110.239	599.994	-0.770	2.089	0.075	2.226
700.000	0.170	85.173	112.034	699.994	-0.960	2.371	0.074	2.558
800.000	0.208	198.880	114.445	799.993	-1.119	2.461	0.095	2.703
900.000	0.305	347.971	113.710	899.993	-1.030	2.346	0.074	2.563
1000.000	0.423	339.501	101.136	999.991	-0.425	2.160	0.039	2.201
1100.000	0.483	321.495	81.968	1099.988	0.249	1.765	0.046	1.783
1200.000	0.488	310.502	54.055	1199.984	0.853	1.177	0.028	1.454
1300.000	0.512	305.285	19.350	1299.980	1.386	0.487	0.015	1.469
1400.000	0.192	338.290	1.861	1399.979	1.798	0.058	0.110	1.799
1500.000	0.479	298.779	350.219	1499.977	2.153	-0.371	0.106	2.185
1600.000	0.580	296.171	335.134	1599.973	2.575	-1.193	0.031	2.838
1700.000	0.723	290.485	323.388	1699.966	3.015	-2.240	0.024	3.756
1800.000	0.537	280.531	315.214	1799.960	3.318	-3.293	0.065	4.675
1900.000	0.421	283.719	310.308	1899.956	3.488	-4.111	0.036	5.391
2000.000	0.556	305.140	308.359	1999.953	3.851	-4.866	0.067	6.206
2100.000	0.650	301.166	307.553	2099.947	4.421	-5.750	0.031	7.253
2200.000	0.446	280.829	305.860	2199.943	4.785	-6.619	0.084	8.167
2300.000	0.067	270.807	304.524	2299.942	4.857	-7.060	0.057	8.570

2400.000	0.407	214.709	301.948	2399.941	4.565	-7.320	0.112	8.627
2500.000	0.342	189.757	297.718	2499.939	3.978	-7.571	0.052	8.552
2600.000	0.378	138.185	294.924	2599.937	3.438	-7.399	0.094	8.159
2700.000	0.292	81.453	295.014	2699.935	3.232	-6.927	0.098	7.644
2800.000	0.365	220.088	293.747	2799.935	3.026	-6.879	0.185	7.515
2900.000	0.431	173.474	288.889	2899.933	2.409	-7.039	0.048	7.440
3000.000	0.490	188.693	282.865	2999.929	1.612	-7.058	0.041	7.240
3100.000	0.685	197.761	274.848	3099.924	0.619	-7.302	0.065	7.328
3200.000	0.738	183.405	265.485	3199.916	-0.594	-7.518	0.056	7.541
3300.000	0.695	171.952	256.180	3299.909	-1.837	-7.467	0.022	7.690
3400.000	0.781	158.813	246.697	3399.900	-3.072	-7.131	0.057	7.765
3500.000	0.621	157.537	237.778	3499.893	-4.206	-6.674	0.048	7.889
3600.000	0.582	160.409	230.518	3599.887	-5.184	-6.293	0.015	8.153
3700.000	0.291	199.087	226.423	3699.885	-5.902	-6.203	0.060	8.563
3800.000	0.165	156.802	224.786	3799.884	-6.275	-6.228	0.061	8.841
3900.000	0.458	258.064	225.310	3899.883	-6.491	-6.562	0.155	9.230
4000.000	0.266	268.600	227.508	3999.881	-6.582	-7.184	0.061	9.743
4100.000	0.151	241.197	228.550	4099.880	-6.652	-7.532	0.022	10.049
4200.000	0.073	256.389	228.874	4199.880	-6.731	-7.709	0.012	10.234
4300.000	0.219	228.967	229.032	4299.879	-6.872	-7.914	0.047	10.482
4350.000	0.490	203.234	228.531	4349.879	-7.132	-8.070	0.185	10.770
4400.000	0.459	192.154	227.442	4399.877	-7.525	-8.195	0.029	11.126
4500.000	0.329	189.296	225.427	4499.874	-8.200	-8.323	0.039	11.684
4600.000	0.540	194.481	223.503	4599.871	-8.940	-8.485	0.064	12.326
4700.000	0.408	197.162	221.795	4699.868	-9.737	-8.705	0.020	13.061
4800.000	0.510	245.615	221.915	4799.865	-10.263	-9.213	0.058	13.792
4900.000	0.560	296.995	224.509	4899.861	-10.228	-10.054	0.140	14.342
5000.000	0.662	290.381	228.362	4999.856	-9.809	-11.033	0.037	14.763
5100.000	0.464	268.152	231.223	5099.851	-9.624	-11.980	0.044	15.367
5200.000	0.624	299.177	233.910	5199.847	-9.375	-12.861	0.099	15.915
5300.000	0.453	288.730	236.764	5299.842	-8.985	-13.712	0.059	16.394
5400.000	0.677	287.596	239.346	5399.837	-8.683	-14.651	0.034	17.031
5500.000	0.606	262.104	241.399	5499.831	-8.581	-15.738	0.044	17.925
5600.000	0.250	274.030	242.329	5599.828	-8.641	-16.479	0.110	18.607
5700.000	0.227	277.710	243.019	5699.827	-8.601	-16.893	0.008	18.957
5800.000	0.258	310.421	243.972	5799.827	-8.429	-17.262	0.021	19.210
5900.000	0.219	285.998	244.955	5899.826	-8.232	-17.617	0.016	19.446
6000.000	0.118	175.746	245.038	5999.825	-8.283	-17.793	0.085	19.627
6100.000	0.243	202.883	244.347	6099.825	-8.581	-17.867	0.044	19.821
6200.000	0.345	224.246	243.652	6199.824	-8.993	-18.158	0.022	20.263
6300.000	0.743	197.619	242.099	6299.819	-9.828	-18.561	0.138	21.003
6400.000	0.267	188.969	240.395	6399.815	-10.677	-18.791	0.144	21.613
6500.000	0.294	182.594	239.347	6499.814	-11.164	-18.837	0.006	21.897
6600.000	0.524	218.349	238.377	6599.811	-11.780	-19.130	0.050	22.466
6700.000	1.035	171.152	235.933	6699.802	-13.031	-19.271	0.234	23.263
6800.000	0.737	194.769	232.982	6799.791	-14.546	-19.290	0.140	24.160
6900.000	0.773	223.900	231.832	6899.782	-15.656	-19.918	0.057	25.334
7000.000	0.918	215.680	231.145	6999.772	-16.796	-20.849	0.057	26.773
7100.000	0.894	203.509	229.967	7099.759	-18.165	-21.622	0.058	28.240
7200.000	0.799	213.597	228.904	7199.748	-19.463	-22.315	0.026	29.610

