

GyroTracer Directional:

Date: 3/18/2019
 Operator : Adrian Bruner
 API : 05-123-27353
 Well Name : **Wolfe USX CC 7-12**
 Field : Noble Energy Inc
 Tool Number: 1717
 Bottom Depth : 6650.00
 Total Well Depth: 7295.00
 Latitude : 40.32534 N
 Longitude : 104.48693 W
 Grid Offset : 0.66
 Datum: NAD 83

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

Northing: 0.00 Easting: 0.00 GLE: 4617.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Lat/Long/Elevation obtained by handheld GPS at wellhead. Device error ± 9 Feet

RKB = Ground Level Elevation

Start Time: 2/27/2019 14:28

End Time: 2/27/2019 15:41

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	0.310	73.934	73.934	100.000	0.075	0.260	0.093	0.271
200.000	0.157	99.732	79.062	199.999	0.127	0.655	0.055	0.667
300.000	0.226	64.895	79.067	299.998	0.187	0.969	0.040	0.986
400.000	0.138	285.558	73.621	399.998	0.303	1.031	0.103	1.075
500.000	0.223	216.433	77.395	499.998	0.179	0.800	0.065	0.819
600.000	0.449	240.490	116.467	599.996	-0.171	0.343	0.079	0.383
700.000	0.431	210.672	195.442	699.993	-0.687	-0.190	0.068	0.713
800.000	0.355	157.029	191.378	799.991	-1.296	-0.261	0.108	1.322
900.000	0.411	166.085	181.593	899.989	-1.929	-0.054	0.012	1.930
1000.000	0.495	148.664	174.448	999.986	-2.646	0.257	0.048	2.659
1100.000	0.442	155.935	169.253	1099.982	-3.368	0.639	0.024	3.428
1200.000	0.605	128.061	163.320	1199.978	-4.045	1.212	0.089	4.223
1300.000	0.613	130.116	156.637	1299.973	-4.715	2.037	0.007	5.137
1400.000	0.515	118.613	151.700	1399.968	-5.275	2.841	0.045	5.991
1500.000	0.331	118.003	148.187	1499.965	-5.626	3.490	0.055	6.621
1600.000	0.110	158.144	147.129	1599.964	-5.851	3.781	0.077	6.966
1700.000	0.302	222.759	149.328	1699.964	-6.133	3.638	0.041	7.131
1800.000	0.477	204.200	153.882	1799.961	-6.707	3.288	0.064	7.469
1900.000	0.247	94.700	154.870	1899.960	-7.104	3.332	0.182	7.847
2000.000	0.257	91.782	152.120	1999.959	-7.129	3.771	0.005	8.065
2100.000	0.251	31.999	149.391	2099.958	-6.950	4.112	0.076	8.075

2200.000	0.551	1.843	145.970	2199.956	-6.284	4.243	0.107	7.582
2300.000	0.713	13.207	139.744	2299.950	-5.197	4.401	0.031	6.810
2400.000	0.711	21.216	130.090	2399.942	-4.013	4.767	0.030	6.232
2500.000	0.469	6.363	121.010	2499.937	-3.028	5.037	0.085	5.877
2600.000	0.437	20.229	113.463	2599.934	-2.263	5.214	0.034	5.684
2700.000	0.380	21.848	106.283	2699.931	-1.598	5.470	0.017	5.698
2800.000	0.470	43.501	99.587	2799.928	-0.992	5.875	0.055	5.959
2900.000	0.581	67.364	94.313	2899.924	-0.500	6.626	0.036	6.645
3000.000	0.502	22.172	89.202	2999.920	0.101	7.259	0.127	7.260
3100.000	0.271	356.461	84.276	3099.918	0.743	7.410	0.085	7.447
3200.000	0.148	274.362	82.252	3199.917	0.989	7.266	0.087	7.333
3300.000	0.081	137.644	82.498	3299.917	0.946	7.185	0.032	7.247
3400.000	0.484	114.042	84.587	3399.916	0.722	7.619	0.123	7.653
3500.000	0.596	121.836	88.132	3499.911	0.276	8.446	0.040	8.451
3600.000	0.455	127.595	91.501	3599.907	-0.241	9.203	0.045	9.206
3700.000	0.530	116.875	93.989	3699.904	-0.692	9.930	0.018	9.954
3800.000	0.356	90.053	94.838	3799.901	-0.902	10.653	0.080	10.691
3900.000	0.540	73.185	93.838	3899.898	-0.766	11.415	0.067	11.440
4000.000	1.017	64.929	91.146	3999.888	-0.253	12.670	0.147	12.672
4100.000	0.852	43.497	87.290	4099.875	0.662	13.985	0.058	14.001
4200.000	0.692	46.740	83.828	4199.866	1.615	14.937	0.025	15.024
4300.000	1.227	40.387	79.962	4299.852	2.845	16.070	0.163	16.320
4400.000	0.815	21.363	75.753	4399.836	4.322	17.023	0.158	17.563
4500.000	0.322	346.962	73.018	4499.831	5.259	17.219	0.087	18.004
4600.000	0.543	322.539	70.695	4599.828	5.908	16.867	0.042	17.872
4700.000	0.698	302.063	67.639	4699.822	6.608	16.063	0.040	17.369
4800.000	0.640	283.864	64.786	4799.815	7.065	15.004	0.033	16.585
4900.000	0.808	278.439	62.054	4899.807	7.302	13.765	0.027	15.582
5000.000	0.762	261.954	59.488	4999.798	7.313	12.409	0.034	14.403
5100.000	0.933	261.654	57.023	5099.787	7.102	10.945	0.026	13.047
5200.000	1.330	9.972	51.836	5199.776	8.126	10.340	0.277	13.151
5300.000	1.430	12.346	45.860	5299.747	10.488	10.808	0.017	15.061
5400.000	1.148	353.140	40.777	5399.722	12.702	10.955	0.077	16.774
5500.000	0.718	343.210	36.696	5499.708	14.296	10.655	0.069	17.830
5600.000	0.355	190.650	35.521	5599.706	14.592	10.416	0.157	17.928
5700.000	1.048	131.758	38.911	5699.699	13.678	11.041	0.137	17.578
5800.000	0.860	96.510	43.841	5799.686	12.984	12.469	0.091	18.002
5900.000	0.818	116.549	47.758	5899.676	12.580	13.853	0.044	18.713
6000.000	0.660	60.855	50.092	5999.668	12.541	14.995	0.106	19.548
6100.000	0.386	46.771	50.338	6099.664	13.053	15.743	0.045	20.450
6200.000	0.353	325.282	49.436	6199.663	13.536	15.813	0.072	20.816
6300.000	0.530	334.176	47.377	6299.660	14.206	15.436	0.028	20.978
6400.000	1.016	338.313	43.983	6399.650	15.446	14.907	0.073	21.467
6500.000	0.506	358.168	41.075	6499.641	16.711	14.566	0.085	22.168
6600.000	0.860	46.564	40.511	6599.635	17.669	15.096	0.097	23.240
6650.010	0.960	46.930	40.717	6649.638	18.213	15.675	0.030	24.029