

GyroTracer Directional:

Date: 11/8/2018
 Operator : Adrian Bruner
 API: 05-123-16018
 Well Name: **UPRC 31-10G**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 7200.00
 Total Well Depth: 7449.00
 Latitude : 40.26712 N
 Longitude : 104.70312 W
 Grid Offset : 0.51

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

Northing: 0.00 Easting: 0.00 Altitude: 4900.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 11/8/2018 11:06

End Time: 11/8/2018 12:18

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	1.020	121.892	83.196	99.990	0.210	1.760	1.020	1.772
200.000	0.727	102.047	96.055	199.978	-0.334	3.148	0.410	3.166
300.000	0.704	82.463	92.830	299.970	-0.220	4.449	0.274	4.455
400.000	0.547	69.168	89.085	399.963	0.089	5.565	0.299	5.565
500.000	0.648	59.377	85.888	499.956	0.476	6.615	0.137	6.632
600.000	0.548	41.365	82.398	599.951	0.992	7.436	0.179	7.502
700.000	0.576	12.157	74.367	699.943	2.178	7.784	0.324	8.083
800.000	0.784	3.763	65.961	799.933	3.540	7.936	0.112	8.689
900.000	0.905	352.939	58.263	899.922	4.972	8.038	0.213	9.452
1000.000	0.826	0.509	51.332	999.912	6.424	8.027	0.085	10.281
1100.000	0.809	344.594	44.564	1099.900	7.916	7.797	0.224	11.111
1200.000	0.662	325.014	37.630	1199.888	9.352	7.210	0.335	11.808
1300.000	1.015	335.637	31.253	1299.875	10.826	6.570	0.344	12.664
1400.000	1.010	334.903	25.388	1399.861	12.316	5.845	0.060	13.633
1500.000	1.070	333.219	19.644	1499.845	13.835	4.939	0.149	14.690
1600.000	1.089	326.615	14.406	1599.827	15.446	3.968	0.160	15.948
1700.000	1.168	327.200	10.168	1699.808	17.137	3.073	0.203	17.410
1800.000	1.151	328.575	6.310	1799.789	18.793	2.078	0.063	18.908
1900.000	1.040	326.249	2.878	1899.771	20.352	1.023	0.137	20.378
2000.000	0.717	322.457	0.336	1999.756	21.829	0.128	0.428	21.829
2100.000	0.740	335.717	358.478	2099.744	23.190	-0.616	0.453	23.198
2200.000	0.554	357.295	357.772	2199.737	24.228	-0.943	0.309	24.246
2300.000	0.562	5.701	357.822	2299.732	25.216	-0.959	0.151	25.234

2400.000	0.827	28.445	358.708	2399.726	26.290	-0.593	0.426	26.297
2500.000	0.802	49.768	0.660	2499.716	27.307	0.315	0.311	27.309
2600.000	0.893	55.283	3.129	2599.703	28.322	1.548	0.111	28.365
2700.000	1.170	64.669	6.473	2699.683	29.251	3.319	0.306	29.438
2800.000	1.377	68.598	10.282	2799.657	30.011	5.444	0.180	30.501
2900.000	1.378	67.787	13.942	2899.629	30.790	7.644	0.371	31.725
3000.000	1.186	62.523	17.227	2999.601	31.660	9.817	0.194	33.147
3100.000	0.593	65.455	19.300	3099.588	32.210	11.280	0.590	34.128
3200.000	0.240	68.875	20.372	3199.584	32.549	12.087	0.359	34.720
3300.000	0.224	320.244	20.568	3299.583	32.808	12.311	0.264	35.042
3400.000	0.400	277.858	19.731	3399.581	33.001	11.836	0.254	35.059
3500.000	0.860	289.339	18.063	3499.576	33.276	10.852	0.410	35.001
3600.000	0.770	302.962	15.877	3599.566	33.922	9.648	0.338	35.267
3700.000	1.002	311.720	13.572	3699.553	34.950	8.437	0.199	35.954
3800.000	0.715	315.615	11.405	3799.540	35.990	7.260	0.318	36.715
3900.000	0.850	333.017	9.523	3899.530	36.946	6.198	0.224	37.462
4000.000	1.096	314.636	7.727	3999.519	37.958	5.150	0.387	38.306
4100.000	0.748	313.136	6.111	4099.509	38.961	4.171	0.102	39.184
4200.000	0.603	314.867	4.850	4199.501	39.894	3.385	0.125	40.037
4300.000	0.652	314.424	3.668	4299.493	40.867	2.620	0.123	40.951
4400.000	0.823	322.749	2.540	4399.485	41.909	1.859	0.171	41.950
4500.000	0.834	335.877	1.531	4499.475	43.104	1.152	0.221	43.119
4600.000	1.029	329.061	0.444	4599.463	44.378	0.344	0.099	44.379
4700.000	1.098	336.354	359.565	4699.447	46.015	-0.349	0.191	46.016
4800.000	1.567	348.320	358.984	4799.423	48.137	-0.854	0.576	48.144
4900.000	1.384	352.932	358.618	4899.392	50.578	-1.220	0.154	50.593
5000.000	1.196	2.498	358.532	4999.363	52.948	-1.357	0.333	52.965
5100.000	0.830	357.078	358.547	5099.348	54.642	-1.386	0.302	54.659
5200.000	0.835	337.326	358.332	5199.338	56.027	-1.632	0.316	56.051
5300.000	0.686	311.767	357.644	5299.330	56.984	-2.345	0.367	57.033
5400.000	0.690	294.165	356.665	5399.324	57.553	-3.354	0.147	57.651
5500.000	0.551	279.888	355.638	5499.317	57.952	-4.420	0.146	58.120
5600.000	0.628	277.557	354.563	5599.310	58.122	-5.532	0.095	58.384
5700.000	0.605	276.646	353.416	5699.303	58.084	-6.704	0.027	58.470
5800.000	0.476	271.325	352.298	5799.296	58.123	-7.861	0.268	58.652
5900.000	0.821	259.130	351.173	5899.289	58.013	-9.009	0.155	58.708
6000.000	0.835	260.996	349.898	5999.280	57.853	-10.307	0.104	58.764
6100.000	0.985	261.422	348.444	6099.269	57.650	-11.788	0.152	58.843
6200.000	0.901	271.993	346.923	6199.256	57.554	-13.369	0.208	59.087
6300.000	0.890	276.411	345.498	6299.244	57.466	-14.864	0.112	59.357
6400.000	1.136	280.209	343.798	6399.228	57.223	-16.627	0.236	59.589
6500.000	1.484	262.496	342.026	6499.209	57.187	-18.553	0.635	60.121
6600.000	1.632	260.780	339.396	6599.166	56.968	-21.417	0.110	60.861
6700.000	1.971	269.895	336.362	6699.106	56.802	-24.861	0.360	62.005
6800.000	1.445	277.827	334.004	6799.056	57.319	-27.951	0.613	63.771
6900.000	1.799	306.710	332.738	6899.018	58.694	-30.244	0.754	66.028
7000.000	1.784	302.606	331.849	6998.978	60.518	-32.383	0.169	68.637
7100.000	1.717	298.727	330.668	7098.936	61.994	-34.835	0.176	71.111
7200.000	1.926	281.351	329.291	7198.897	63.014	-37.428	0.564	73.292