

GyroTracer Directional:

Date: 10/4/2018
 Operator : Adrian Bruner
 API: 05-123-22425
 Well Name: **UPRC J 31-14**
 Field : Noble Energy Inc
 Tool Type And Number: 1605
 Bottom Depth : 7200.00
 Total Well Depth: 7462.00
 Latitude : 40.35076 N
 Longitude : 104.82534 W
 Grid Offset : 0.44

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

Northing: 0.00 Easting: 0.00 Altitude: 4825.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 10/4/2018 9:31

End Time: 10/4/2018 10:38

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	0.450	322.331	324.293	100.000	0.640	-0.460	0.450	0.788
200.000	0.435	326.577	322.039	199.997	1.223	-0.954	0.025	1.551
300.000	0.311	311.331	324.777	299.995	1.761	-1.243	0.083	2.156
400.000	0.240	347.801	325.729	399.994	2.169	-1.478	0.208	2.625
500.000	0.136	315.481	325.691	499.993	2.402	-1.639	0.119	2.908
600.000	0.706	216.451	310.010	599.988	1.745	-2.079	0.757	2.715
700.000	0.700	212.601	284.502	699.981	0.699	-2.701	0.187	2.790
800.000	0.766	213.266	262.961	799.973	-0.410	-3.319	0.035	3.344
900.000	0.730	210.805	249.251	899.964	-1.528	-4.034	0.040	4.314
1000.000	0.972	213.795	241.667	999.955	-2.604	-4.829	0.283	5.486
1100.000	0.819	213.796	235.839	1099.945	-3.762	-5.543	0.187	6.699
1200.000	0.824	221.249	231.599	1199.935	-4.954	-6.250	0.147	7.976
1300.000	0.832	213.975	229.120	1299.925	-6.108	-7.056	0.125	9.332
1400.000	0.824	204.561	226.657	1399.914	-7.341	-7.779	0.147	10.696
1500.000	0.958	186.645	222.809	1499.902	-8.820	-8.170	0.306	12.022
1600.000	0.870	186.162	218.279	1599.889	-10.463	-8.257	0.056	13.328
1700.000	0.919	179.045	214.333	1699.874	-12.184	-8.322	0.161	14.755
1800.000	0.736	170.181	211.136	1799.860	-13.798	-8.335	0.268	16.120
1900.000	0.489	164.201	208.766	1899.855	-14.754	-8.099	0.218	16.831
2000.000	0.409	112.253	206.886	1999.853	-15.059	-7.635	0.344	16.884
2100.000	0.116	139.901	205.055	2099.851	-15.336	-7.169	0.212	16.929
2200.000	0.191	105.140	203.791	2199.850	-15.475	-6.822	0.262	16.912
2300.000	0.343	132.110	203.466	2299.849	-15.457	-6.710	0.224	16.850

2400.000	0.139	228.270	203.200	2399.849	-15.464	-6.628	0.199	16.824
2500.000	0.116	235.841	203.423	2499.848	-15.560	-6.741	0.050	16.957
2600.000	0.168	145.024	203.814	2599.848	-15.611	-6.890	0.179	17.064
2700.000	0.190	13.323	203.893	2699.847	-15.709	-6.959	0.346	17.181
2800.000	0.124	267.719	204.305	2799.846	-15.784	-7.128	0.089	17.319
2900.000	0.235	295.306	204.945	2899.846	-15.743	-7.323	0.146	17.363
3000.000	0.096	226.867	205.563	2999.845	-15.741	-7.529	0.196	17.450
3100.000	0.071	273.412	206.112	3099.845	-15.698	-7.695	0.040	17.483
3200.000	0.416	99.920	205.523	3199.844	-15.679	-7.486	0.534	17.375
3300.000	0.878	123.418	202.348	3299.838	-16.023	-6.587	0.572	17.324
3400.000	0.799	141.103	198.192	3399.828	-17.013	-5.591	0.235	17.908
3500.000	0.281	186.107	195.362	3499.820	-18.004	-4.946	0.768	18.671
3600.000	0.397	182.447	194.824	3599.818	-18.615	-4.927	0.041	19.256
3700.000	0.311	260.098	195.852	3699.816	-18.873	-5.359	0.372	19.619
3800.000	0.568	263.742	197.458	3799.814	-19.073	-5.998	0.252	19.994
3900.000	0.386	255.727	199.131	3899.811	-19.270	-6.684	0.292	20.396
4000.000	0.409	251.053	200.736	3999.809	-19.463	-7.368	0.055	20.811
4100.000	1.102	357.622	202.085	4099.806	-19.087	-7.745	1.274	20.598
4200.000	1.561	9.799	204.467	4199.784	-17.101	-7.782	0.579	18.788
4300.000	1.484	8.893	207.896	4299.747	-14.401	-7.624	0.076	16.294
4400.000	1.333	25.479	211.023	4399.714	-11.904	-7.159	0.412	13.891
4500.000	1.323	5.156	215.416	4499.683	-9.462	-6.728	0.470	11.610
4600.000	1.069	6.809	221.403	4599.661	-7.429	-6.551	0.230	9.905
4700.000	0.273	317.611	225.572	4699.654	-6.402	-6.531	0.909	9.146
4800.000	0.987	279.001	231.383	4799.647	-6.038	-7.559	0.819	9.675
4900.000	0.871	275.650	237.806	4899.633	-5.791	-9.198	0.080	10.869
5000.000	1.055	268.339	242.296	4999.618	-5.732	-10.916	0.155	12.330
5100.000	1.175	258.614	245.658	5099.603	-5.730	-12.667	0.338	13.903
5200.000	1.254	249.369	247.117	5199.587	-6.075	-14.394	0.439	15.623
5300.000	1.181	240.230	247.392	5299.568	-6.748	-16.205	0.208	17.554
5400.000	1.581	238.092	246.343	5399.540	-7.966	-18.183	0.279	19.851
5500.000	2.754	240.778	245.054	5499.468	-9.938	-21.365	1.105	23.563
5600.000	3.086	244.509	244.802	5599.344	-12.133	-25.786	0.367	28.498
5700.000	2.757	243.503	244.780	5699.213	-14.321	-30.407	0.268	33.611
5800.000	2.115	250.836	244.802	5799.122	-16.105	-34.228	0.758	37.828
5900.000	1.221	248.947	245.255	5899.080	-17.016	-36.921	0.952	40.653
6000.000	0.783	244.034	245.744	5999.065	-17.378	-38.568	0.393	42.303
6100.000	0.682	252.950	246.071	6099.057	-17.651	-39.778	0.155	43.518
6200.000	0.502	257.809	246.408	6199.052	-17.783	-40.719	0.301	44.433
6300.000	0.528	291.472	246.937	6299.049	-17.677	-41.517	0.302	45.124
6400.000	0.522	317.577	247.501	6399.047	-17.395	-41.997	0.235	45.457
6500.000	0.556	275.865	247.929	6499.043	-17.325	-42.729	0.395	46.107
6600.000	0.574	283.456	248.863	6599.036	-16.950	-43.845	0.081	47.007
6700.000	0.900	290.491	249.737	6699.028	-16.621	-45.024	0.319	47.994
6800.000	0.914	285.594	250.596	6799.017	-16.359	-46.444	0.138	49.241
6900.000	0.916	268.580	251.382	6899.003	-16.199	-48.086	0.293	50.742
7000.000	0.803	280.517	252.129	6998.991	-15.994	-49.606	0.206	52.121
7100.000	1.125	275.269	253.149	7098.973	-15.571	-51.406	0.276	53.712
7200.000	0.950	273.320	253.742	7198.953	-15.573	-53.399	0.144	55.623