

GyroTracer Directional:

Date: 7/17/2018
 Operator : Adrian Bruner
 API: 05-123-30872
 Well Name: **HP Farms Y 17-04**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 7400.00
 Total Well Depth: 7798.00
 Latitude : 40.14426 N
 Longitude : 104.581914 W
 Grid Offset : 0.59

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

Northing: 0.00 Easting: 0.00 Altitude: 4877.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 7/17/2018 12:53

End Time: 7/17/2018 14:05

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
100.530	0.070	103.942	112.620	100.530	-0.050	0.120	0.070	0.130
200.000	0.574	312.482	344.397	199.998	0.360	-0.101	0.640	0.374
300.000	0.388	6.574	326.470	299.995	0.773	-0.512	0.517	0.927
400.000	0.574	309.300	330.008	399.992	1.394	-0.804	0.494	1.609
500.000	0.127	324.686	329.019	499.989	1.954	-1.173	0.340	2.279
600.000	0.253	7.840	326.891	599.987	2.320	-1.513	0.167	2.770
700.000	0.324	307.508	329.155	699.985	2.829	-1.690	0.310	3.295
800.000	0.483	350.759	332.850	799.983	3.210	-1.646	0.327	3.608
900.000	0.407	16.204	333.950	899.982	3.654	-1.786	0.188	4.067
1000.000	1.179	15.388	343.256	999.968	5.272	-1.586	0.761	5.505
1100.000	0.775	357.782	348.579	1099.951	7.039	-1.422	0.511	7.181
1200.000	0.898	27.220	353.160	1199.936	8.635	-1.036	0.453	8.697
1300.000	0.681	358.752	355.166	1299.922	10.233	-0.865	0.425	10.270
1400.000	1.105	3.084	356.405	1399.912	11.648	-0.732	0.430	11.671
1500.000	0.806	16.232	357.424	1499.902	12.946	-0.582	0.354	12.959
1600.000	0.699	353.785	358.089	1599.892	14.299	-0.477	0.283	14.307
1700.000	0.516	354.886	358.754	1699.885	15.506	-0.337	0.192	15.510
1800.000	0.839	357.004	359.786	1799.874	16.854	-0.063	0.249	16.854
1900.000	0.960	20.888	0.451	1899.865	18.166	0.143	0.401	18.167
2000.000	0.922	0.522	0.828	1999.846	20.045	0.290	0.355	20.047
2100.000	1.107	341.149	0.132	2099.827	21.979	0.050	0.378	21.979
2200.000	0.778	341.208	358.800	2199.810	23.710	-0.497	0.469	23.715
2300.000	1.071	349.398	358.470	2299.795	25.370	-0.678	0.299	25.379

2400.000	0.722	10.772	358.545	2399.787	26.556	-0.675	0.491	26.564
2500.000	0.084	252.188	358.716	2499.785	27.077	-0.607	0.709	27.084
2600.000	0.225	36.713	359.210	2599.784	27.104	-0.374	0.339	27.107
2700.000	0.544	77.062	0.292	2699.781	26.830	0.137	0.419	26.830
2800.000	0.724	108.548	2.114	2799.776	26.725	0.986	0.395	26.743
2900.000	0.932	65.486	4.525	2899.769	26.851	2.125	0.626	26.935
3000.000	0.906	86.498	6.920	2999.761	27.146	3.295	0.361	27.345
3100.000	0.712	73.052	9.579	3099.749	27.622	4.661	0.250	28.013
3200.000	0.805	69.535	12.487	3199.735	28.075	6.217	0.123	28.755
3300.000	1.195	69.253	15.822	3299.717	28.452	8.063	0.431	29.573
3400.000	1.119	88.244	19.221	3399.695	28.821	10.048	0.407	30.522
3500.000	1.414	74.959	23.188	3499.666	29.031	12.436	0.605	31.582
3600.000	1.508	69.515	27.070	3599.633	29.224	14.936	0.209	32.820
3700.000	1.299	83.490	30.355	3699.602	29.632	17.353	0.406	34.339
3800.000	1.170	69.044	33.040	3799.571	30.313	19.715	0.375	36.161
3900.000	1.088	71.944	35.323	3899.544	30.912	21.906	0.090	37.887
4000.000	1.050	46.194	36.742	3999.523	31.745	23.698	0.498	39.615
4100.000	1.171	74.327	37.847	4099.504	32.625	25.350	0.540	41.316
4200.000	1.081	73.413	39.011	4199.482	33.579	27.202	0.138	43.215
4300.000	1.519	76.806	40.403	4299.450	34.583	29.436	0.246	45.414
4400.000	1.403	79.704	41.844	4399.413	35.631	31.906	0.156	47.829
4500.000	1.592	56.888	43.252	4499.373	36.650	34.480	0.625	50.320
4600.000	1.680	57.390	44.384	4599.337	37.723	36.921	0.106	52.784
4700.000	1.490	37.448	45.007	4699.301	39.121	39.131	0.567	55.332
4800.000	1.515	48.167	45.182	4799.268	40.773	41.033	0.265	57.846
4900.000	1.467	53.025	45.046	4899.240	42.514	42.583	0.153	60.172
5000.000	1.237	33.182	44.929	4999.219	43.981	43.873	0.516	62.122
5100.000	1.155	41.754	44.925	5099.206	45.087	44.969	0.193	63.679
5200.000	0.615	73.027	44.845	5199.196	46.044	45.796	0.727	64.941
5300.000	0.472	95.436	44.998	5299.190	46.624	46.620	0.300	65.933
5400.000	0.711	80.547	45.344	5399.185	46.897	47.464	0.329	66.725
5500.000	0.856	84.754	45.914	5499.179	46.916	48.437	0.179	67.434
5600.000	0.792	91.914	46.529	5599.173	46.748	49.312	0.142	67.948
5700.000	0.661	111.739	47.033	5699.168	46.758	50.199	0.329	68.602
5800.000	0.719	94.828	47.502	5799.161	47.018	51.314	0.191	69.597
5900.000	0.992	55.020	47.920	5899.150	47.514	52.622	0.666	70.899
6000.000	0.870	43.303	47.600	5999.139	48.668	53.299	0.199	72.176
6100.000	1.109	26.491	47.027	6099.127	50.097	53.774	0.359	73.494
6200.000	1.280	351.782	46.126	6199.107	51.982	54.066	0.693	75.002
6300.000	1.478	335.437	44.906	6299.086	53.989	53.812	0.431	76.227
6400.000	1.679	336.596	43.440	6399.059	56.095	53.122	0.344	77.257
6500.000	1.820	324.000	41.700	6499.025	58.426	52.056	0.401	78.252
6600.000	1.442	334.803	39.725	6598.982	60.911	50.614	0.434	79.195
6700.000	1.742	335.112	37.808	6698.941	63.276	49.096	0.239	80.089
6800.000	1.925	328.912	35.755	6798.895	65.566	47.209	0.280	80.793
6900.000	2.460	315.262	33.305	6898.831	68.045	44.705	0.838	81.417
7000.000	1.947	327.687	30.597	6998.752	70.643	41.773	0.701	82.070
7100.000	1.465	302.991	28.367	7098.693	73.087	39.464	0.846	83.061
7200.000	1.414	321.038	26.553	7198.654	74.834	37.398	0.423	83.659
7300.000	1.252	273.255	24.891	7298.622	76.153	35.334	1.102	83.951

7400.000	0.860	302.214	23.649	7398.603	76.603	33.545	0.548	83.626
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