

GyroTracer Directional:

Date: 10/25/2018
 Operator : Adrian Bruner
 API: 05-123-13017
 Well Name: **Herbster 3-35**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 6900.00
 Total Well Depth: 7086.00
 Latitude : 40.36116 N
 Longitude : 104.63269 W
 Grid Offset : 0.54

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

Northing: 0.00 Easting: 0.00 Altitude: 4653.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 10/25/2018 8:31

End Time: 10/25/2018 9:35

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	0.300	82.030	142.907	100.000	-0.410	0.310	0.300	0.514
200.000	0.282	312.296	124.550	199.999	-0.266	0.386	0.505	0.469
300.000	0.039	298.332	119.683	299.998	-0.319	0.560	0.227	0.645
400.000	0.099	273.845	102.129	399.997	-0.128	0.597	0.087	0.610
500.000	0.110	97.545	84.747	499.996	0.059	0.646	0.240	0.648
600.000	0.328	32.308	77.159	599.995	0.142	0.622	0.278	0.638
700.000	0.231	96.331	47.813	699.993	0.549	0.606	0.421	0.818
800.000	0.062	326.735	41.016	799.992	0.855	0.744	0.405	1.134
900.000	0.134	26.580	33.986	899.991	1.213	0.818	0.165	1.463
1000.000	0.202	292.826	25.602	999.990	1.497	0.717	0.400	1.660
1100.000	0.329	30.178	28.143	1099.988	1.749	0.936	0.369	1.984
1200.000	0.062	92.391	26.782	1199.986	2.130	1.075	0.337	2.385
1300.000	0.358	157.882	29.576	1299.984	2.181	1.238	0.360	2.508
1400.000	0.500	95.182	41.545	1399.982	1.898	1.682	0.476	2.536
1500.000	0.313	74.092	51.437	1499.980	1.671	2.096	0.339	2.681
1600.000	0.236	111.603	60.163	1599.978	1.466	2.555	0.317	2.946
1700.000	0.166	111.906	71.630	1699.975	0.974	2.934	0.038	3.092
1800.000	0.293	160.856	77.564	1799.973	0.623	2.823	0.232	2.891
1900.000	0.413	202.282	83.410	1899.971	0.309	2.677	0.302	2.695
2000.000	0.191	356.097	89.653	1999.969	0.014	2.368	0.531	2.368
2100.000	0.468	226.710	95.601	2099.967	-0.202	2.060	0.506	2.070
2200.000	0.087	19.209	95.664	2199.966	-0.180	1.819	0.470	1.828
2300.000	0.324	8.045	90.546	2299.964	-0.014	1.498	0.084	1.498

2400.000	0.256	26.847	82.128	2399.963	0.195	1.413	0.058	1.426
2500.000	0.221	72.721	69.322	2499.960	0.383	1.014	0.377	1.084
2600.000	0.102	255.362	55.378	2599.958	0.363	0.526	0.324	0.639
2700.000	0.494	296.290	20.014	2699.956	0.478	0.174	0.458	0.509
2800.000	0.238	231.979	308.794	2799.952	0.457	-0.569	0.474	0.730
2900.000	0.353	237.955	303.694	2899.950	0.682	-1.023	0.154	1.230
3000.000	0.205	314.355	296.860	2999.947	0.798	-1.576	0.548	1.767
3100.000	0.100	16.291	297.181	3099.944	1.055	-2.055	0.098	2.310
3200.000	0.502	256.362	299.440	3199.940	1.446	-2.562	0.583	2.942
3300.000	0.559	309.416	301.718	3299.932	2.150	-3.479	0.382	4.090
3400.000	1.353	324.356	306.609	3399.915	3.442	-4.633	0.864	5.771
3500.000	1.877	331.404	314.907	3499.885	5.607	-5.625	0.648	7.942
3600.000	2.243	329.276	318.073	3599.820	8.533	-7.664	0.287	11.469
3700.000	1.980	298.314	318.372	3699.737	11.594	-10.304	0.964	15.511
3800.000	1.928	319.444	318.803	3799.664	14.500	-12.693	0.907	19.271
3900.000	0.893	300.748	318.962	3899.599	17.145	-14.924	1.318	22.731
4000.000	0.357	59.679	319.273	3999.591	17.889	-15.402	1.105	23.606
4100.000	0.522	150.123	319.425	4099.588	17.657	-15.121	0.615	23.247
4200.000	0.668	148.676	319.836	4199.579	16.853	-14.223	0.175	22.053
4300.000	1.392	130.448	319.577	4299.557	15.238	-12.979	0.693	20.017
4400.000	1.461	145.242	321.180	4399.532	13.982	-11.250	0.314	17.946
4500.000	1.826	113.696	324.368	4499.496	12.628	-9.051	0.970	15.536
4600.000	2.414	101.957	332.301	4599.435	11.250	-5.906	1.054	12.707
4700.000	2.478	105.357	347.168	4699.359	9.988	-2.275	0.127	10.243
4800.000	2.146	102.986	9.218	4799.283	9.362	1.519	0.320	9.484
4900.000	1.370	102.170	27.537	4899.233	8.778	4.577	0.793	9.899
5000.000	1.390	89.874	42.405	4999.192	7.961	7.271	0.327	10.782
5100.000	1.544	83.084	54.107	5099.150	7.200	9.949	0.373	12.281
5200.000	1.624	112.508	63.591	5199.111	6.208	12.501	0.834	13.957
5300.000	1.484	128.406	70.829	5299.077	5.131	14.758	0.438	15.624
5400.000	1.820	103.428	76.221	5399.035	4.279	17.450	0.711	17.967
5500.000	1.848	88.984	79.074	5498.991	3.927	20.344	0.382	20.719
5600.000	1.944	105.375	81.533	5598.944	3.465	23.280	0.493	23.536
5700.000	1.639	99.922	84.385	5698.892	2.588	26.323	0.402	26.450
5800.000	1.105	122.260	87.698	5798.852	1.152	28.660	0.850	28.684
5900.000	1.968	138.101	92.305	5898.802	-1.234	30.650	0.744	30.675
6000.000	1.837	138.260	96.444	5998.747	-3.696	32.726	0.307	32.934
6100.000	2.268	137.919	100.178	6098.679	-6.322	35.217	0.483	35.780
6200.000	1.934	119.598	102.637	6198.614	-8.517	37.987	0.651	38.930
6300.000	1.973	125.399	104.592	6298.542	-10.680	41.024	0.257	42.391
6400.000	2.617	130.177	106.295	6398.467	-12.902	44.137	0.620	45.984
6500.000	2.772	102.776	107.230	6498.378	-14.826	47.809	1.272	50.055
6600.000	2.559	116.376	107.752	6598.266	-16.680	52.104	0.670	54.708
6700.000	3.226	109.673	108.010	6698.124	-18.528	56.990	0.709	59.927
6800.000	3.762	135.664	109.175	6797.946	-21.575	62.042	1.459	65.686
6900.000	2.490	129.364	111.535	6897.742	-26.179	66.340	1.538	71.318