

GyroTracer Directional:

Date: 10/11/2018
 Operator : Adrian Bruner
 API: 05-123-24624
 Well Name: **Hanscome C 28-19**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 6850.00
 Total Well Depth: 7090.00
 Latitude : 40.287287 N
 Longitude : 104.560835 W
 Grid Offset : 0.61

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

Northing: 0.00 Easting: 0.00 Altitude: 4763.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 10/11/2018 11:17

End Time: 10/11/2018 12:28

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	0.180	82.819	99.162	100.000	-0.050	0.310	0.180	0.314
200.000	0.323	324.946	45.619	199.997	0.494	0.505	0.433	0.706
300.000	0.275	45.120	36.237	299.995	0.916	0.671	0.343	1.136
400.000	0.341	355.069	33.989	399.994	1.282	0.865	0.202	1.547
500.000	0.258	22.367	32.240	499.992	1.670	1.054	0.018	1.975
600.000	0.151	111.838	31.234	599.991	1.959	1.188	0.315	2.292
700.000	0.210	103.496	33.193	699.989	2.225	1.456	0.040	2.659
800.000	0.325	88.866	35.204	799.987	2.502	1.765	0.183	3.062
900.000	0.618	339.545	29.234	899.984	3.154	1.765	0.477	3.614
1000.000	0.674	358.321	20.371	999.979	3.938	1.462	0.356	4.201
1100.000	0.565	355.532	11.884	1099.973	4.760	1.002	0.159	4.864
1200.000	0.629	325.618	3.136	1199.966	5.550	0.304	0.241	5.558
1300.000	0.556	337.603	357.964	1299.961	6.353	-0.226	0.132	6.357
1400.000	0.155	291.383	353.999	1399.954	7.288	-0.766	0.290	7.328
1500.000	0.392	338.176	351.860	1499.947	8.264	-1.182	0.547	8.348
1600.000	0.519	309.364	348.955	1599.940	9.193	-1.794	0.375	9.366
1700.000	1.096	311.791	345.893	1699.934	9.927	-2.495	0.725	10.235
1800.000	0.592	289.092	342.048	1799.928	10.337	-3.349	0.377	10.866
1900.000	1.036	237.933	333.495	1899.913	9.733	-4.854	0.792	10.876
2000.000	1.261	221.168	322.817	1999.891	8.276	-6.278	0.399	10.387
2100.000	1.110	195.292	310.428	2099.865	6.328	-7.428	0.529	9.758
2200.000	1.551	194.339	298.801	2199.843	4.396	-7.996	0.113	9.124
2300.000	1.233	202.686	287.501	2299.826	2.604	-8.260	0.315	8.661

2400.000	0.600	322.511	280.646	2399.816	1.641	-8.732	1.624	8.885
2500.000	1.362	337.839	286.358	2499.802	2.853	-9.721	0.596	10.131
2600.000	1.332	330.724	293.409	2599.780	4.625	-10.683	0.323	11.641
2700.000	1.102	341.068	297.694	2699.760	6.200	-11.813	0.322	13.341
2800.000	1.037	316.069	301.009	2799.739	7.828	-13.023	0.463	15.195
2900.000	1.180	299.672	303.002	2899.719	9.281	-14.291	0.507	17.040
3000.000	0.667	301.090	303.834	2999.707	10.250	-15.292	0.451	18.410
3100.000	0.261	307.256	304.351	3099.701	10.942	-16.010	0.378	19.392
3200.000	0.392	57.436	305.767	3199.697	11.609	-16.116	0.537	19.862
3300.000	0.707	40.137	309.426	3299.687	12.520	-15.228	0.442	19.714
3400.000	1.650	47.631	316.038	3399.658	13.824	-13.331	0.895	19.205
3500.000	1.742	67.393	325.430	3499.606	15.354	-10.580	0.575	18.647
3600.000	1.500	105.122	333.249	3599.563	15.585	-7.856	1.056	17.453
3700.000	1.440	111.491	339.866	3699.519	14.305	-5.244	0.145	15.236
3800.000	1.723	131.263	347.849	3799.473	12.670	-2.728	0.642	12.960
3900.000	1.417	139.249	358.542	3899.427	11.012	-0.280	0.485	11.016
4000.000	0.617	178.815	6.456	3999.402	9.405	1.064	1.257	9.465
4100.000	0.626	191.376	9.777	4099.388	7.807	1.345	0.247	7.922
4200.000	1.025	191.474	11.151	4199.369	5.972	1.177	0.318	6.087
4300.000	0.861	182.713	16.211	4299.355	4.404	1.280	0.551	4.586
4400.000	0.510	150.955	25.531	4399.346	3.250	1.552	0.404	3.602
4500.000	0.549	155.402	37.202	4499.339	2.405	1.825	0.297	3.019
4600.000	0.601	49.410	48.743	4599.332	2.390	2.725	0.931	3.625
4700.000	0.893	86.192	57.095	4699.318	2.725	4.211	0.582	5.016
4800.000	1.563	76.809	62.444	4799.288	3.394	6.505	0.524	7.338
4900.000	1.427	55.214	65.090	4899.255	4.138	8.910	0.547	9.823
5000.000	0.817	66.703	67.027	4999.233	4.607	10.868	0.567	11.804
5100.000	1.092	68.023	68.666	5099.211	5.000	12.801	0.197	13.742
5200.000	1.516	86.778	70.758	5199.189	5.169	14.807	0.603	15.683
5300.000	1.436	80.497	70.680	5299.161	5.945	16.956	0.304	17.968
5400.000	1.143	72.351	70.153	5399.132	6.899	19.113	0.356	20.320
5500.000	1.470	69.367	69.642	5499.098	7.946	21.415	0.317	22.841
5600.000	2.040	61.690	69.129	5599.042	9.310	24.418	0.615	26.132
5700.000	1.966	71.913	68.467	5698.989	10.770	27.294	0.386	29.342
5800.000	1.691	83.260	67.767	5798.930	12.368	30.257	0.494	32.687
5900.000	1.723	50.848	67.078	5898.878	13.956	33.004	0.918	35.833
6000.000	1.644	34.876	65.626	5998.837	15.888	35.068	0.428	38.500
6100.000	1.695	35.511	63.773	6098.803	17.996	36.530	0.109	40.723
6200.000	1.380	32.984	61.715	6198.769	20.249	37.629	0.276	42.731
6300.000	1.018	20.689	59.754	6298.742	22.357	38.342	0.543	44.384
6400.000	0.888	3.400	57.990	6398.723	24.215	38.737	0.339	45.682
6500.000	0.674	344.015	56.385	6498.712	25.671	38.616	0.398	46.370
6600.000	0.859	314.807	54.799	6598.702	26.832	38.034	0.418	46.546
6700.000	1.352	324.832	53.051	6698.690	28.048	37.290	0.505	46.661
6800.000	1.387	43.531	51.587	6798.666	29.870	37.669	1.804	48.075
6850.000	1.540	56.640	51.020	6848.648	30.997	38.305	0.659	49.276