

GyroTracer Directional:

Date: 3/27/2018
 Operator : Adrian Bruner
 API: 05-123-19252
 Well Name: **Swanson 29-11**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 7000.00
 Latitude : 40.464855 N
 Longitude : 104.794416 W
 Grid Offset : 0.45

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

Northing: 0.00 Easting: 0.00 Altitude: 4723.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 3/27/2018 12:47

End Time: 3/27/2018 14:00

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	0.470	129.836	135.000	99.990	-0.580	0.580	0.470	0.820
200.000	0.295	90.226	126.223	199.987	-0.927	1.266	0.287	1.569
300.000	0.297	54.798	112.019	299.985	-0.725	1.793	0.217	1.934
400.000	0.106	324.779	110.375	399.984	-0.658	1.771	0.317	1.889
500.000	0.225	346.704	102.000	499.984	-0.375	1.767	0.085	1.806
600.000	0.549	355.658	82.711	599.981	0.247	1.929	0.380	1.944
700.000	0.325	286.978	64.443	699.979	0.790	1.652	0.507	1.831
800.000	0.208	258.898	54.470	799.977	0.908	1.271	0.195	1.562
900.000	0.322	271.709	46.457	899.976	0.882	0.928	0.198	1.280
1000.000	0.652	282.515	5.916	999.972	0.860	0.089	0.341	0.865
1100.000	1.040	277.757	310.886	1099.962	1.123	-1.297	0.531	1.716
1200.000	1.144	264.448	285.492	1199.944	0.877	-3.163	0.339	3.282
1300.000	0.892	253.081	276.492	1299.932	0.529	-4.647	0.329	4.677
1400.000	0.364	236.237	272.005	1399.926	0.195	-5.565	0.436	5.568
1500.000	0.649	240.535	268.391	1499.923	-0.177	-6.317	0.320	6.320
1600.000	0.926	254.562	264.264	1599.914	-0.747	-7.439	0.265	7.477
1700.000	1.412	285.050	266.682	1699.893	-0.545	-9.405	0.787	9.421
1800.000	1.623	278.748	270.579	1799.853	0.123	-12.155	0.276	12.156
1900.000	1.159	261.305	270.989	1899.818	0.254	-14.735	0.637	14.737
2000.000	0.819	256.681	269.904	1999.805	-0.027	-16.296	0.231	16.296
2100.000	0.840	241.403	268.748	2099.790	-0.392	-17.923	0.283	17.927
2200.000	1.129	251.761	267.504	2199.774	-0.857	-19.651	0.282	19.669
2300.000	0.879	221.651	265.060	2299.759	-1.822	-21.084	0.576	21.162
2400.000	1.208	212.101	261.087	2399.736	-3.508	-22.371	0.395	22.644

2500.000	1.182	211.387	257.046	2499.710	-5.424	-23.583	0.039	24.199
2600.000	1.288	202.092	253.830	2599.690	-7.131	-24.591	0.217	25.604
2700.000	1.061	199.146	250.473	2699.670	-8.972	-25.299	0.049	26.843
2800.000	0.672	191.844	247.504	2799.655	-10.632	-25.672	0.408	27.786
2900.000	0.959	211.428	245.744	2899.645	-11.881	-26.366	0.351	28.919
3000.000	1.119	212.290	243.755	2999.627	-13.487	-27.355	0.239	30.499
3100.000	0.856	204.282	241.626	3099.611	-15.121	-27.997	0.358	31.820
3200.000	0.821	215.914	240.193	3199.598	-16.488	-28.782	0.197	33.170
3300.000	0.778	252.666	239.547	3299.585	-17.567	-29.879	0.544	34.661
3400.000	1.437	10.509	241.347	3399.574	-16.436	-30.080	1.909	34.278
3500.000	2.239	350.531	246.023	3499.525	-13.383	-30.092	1.026	32.934
3600.000	2.498	341.610	252.901	3599.446	-9.514	-30.927	0.509	32.357
3700.000	2.291	333.198	260.357	3699.353	-5.513	-32.446	0.382	32.911
3800.000	2.230	340.095	266.692	3799.279	-1.957	-33.861	0.201	33.917
3900.000	1.607	328.656	272.055	3899.221	1.255	-34.983	0.778	35.006
4000.000	1.174	339.507	276.212	3999.178	3.922	-36.033	0.530	36.246
4100.000	0.613	57.791	277.948	4099.170	5.005	-35.851	1.220	36.199
4200.000	0.773	97.704	278.386	4199.164	5.127	-34.779	0.478	35.155
4300.000	0.540	114.492	277.875	4299.156	4.650	-33.620	0.251	33.940
4400.000	1.049	137.437	276.363	4399.145	3.640	-32.641	0.565	32.843
4500.000	1.680	137.799	273.215	4499.112	1.740	-30.972	0.604	31.021
4600.000	1.660	150.440	268.289	4599.060	-0.871	-29.145	0.458	29.158
4700.000	1.289	149.060	263.549	4699.026	-3.164	-27.987	0.384	28.166
4800.000	0.877	176.459	260.515	4799.014	-4.584	-27.437	0.620	27.817
4900.000	0.934	208.012	257.444	4899.000	-6.197	-27.826	0.503	28.508
5000.000	0.933	202.633	255.196	4998.987	-7.553	-28.578	0.208	29.559
5100.000	0.872	228.834	253.742	5098.977	-8.607	-29.514	0.350	30.743
5200.000	0.995	225.330	252.273	5198.963	-9.797	-30.647	0.042	32.174
5300.000	0.652	208.161	250.861	5298.952	-10.925	-31.479	0.407	33.321
5400.000	1.568	202.035	248.803	5398.934	-12.555	-32.373	1.021	34.722
5500.000	2.341	205.075	244.137	5498.865	-16.089	-33.189	0.804	36.883
5600.000	1.559	256.605	243.264	5598.812	-17.978	-35.688	1.824	39.961
5700.000	1.419	277.151	245.027	5698.784	-17.681	-37.964	0.556	41.879
5800.000	1.117	286.550	246.916	5798.756	-17.159	-40.261	0.302	43.765
5900.000	1.275	289.994	248.725	5898.727	-16.594	-42.616	0.167	45.733
6000.000	1.101	263.007	249.868	5998.707	-16.323	-44.529	0.591	47.427
6100.000	0.900	260.855	250.262	6098.692	-16.572	-46.189	0.206	49.072
6200.000	1.228	262.469	250.803	6198.675	-16.716	-48.007	0.313	50.834
6300.000	1.226	252.578	251.135	6298.649	-17.163	-50.229	0.243	53.080
6400.000	1.150	284.557	251.391	6398.625	-17.622	-52.333	0.681	55.221
6500.000	1.560	264.334	251.950	6498.597	-17.810	-54.653	0.649	57.482
6600.000	1.450	258.270	252.179	6598.561	-18.406	-57.253	0.156	60.139
6700.000	1.846	263.441	252.764	6698.518	-18.667	-60.172	0.485	63.001
6800.000	2.484	255.298	253.216	6798.432	-19.365	-64.205	0.739	67.062
6900.000	1.925	244.169	253.201	6898.357	-20.491	-67.875	0.699	70.900
7000.000	0.810	238.310	252.780	6998.322	-21.736	-70.130	1.077	73.421

