

GyroTracer Directional:

Date: 3/27/2018
 Operator : Adrian Bruner
 API: 05-123-22742
 Well Name: **Swanson 28-23**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 7000.00
 Total Well Depth: None Listed
 Latitude : 40.46155 N
 Longitude : 104.790694 W
 Grid Offset : 0.46

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

Northing: 0.00 Easting: 0.00 Altitude: 4729.00

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 10:33

End Time: 3/27/2018 11:46

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	0.770	235.612	259.695	99.990	-0.240	-1.320	0.770	1.342
200.000	0.408	201.352	242.783	199.984	-1.014	-1.971	0.485	2.217
300.000	0.032	335.213	244.084	299.984	-1.090	-2.242	0.315	2.493
400.000	0.078	282.956	245.103	399.983	-1.210	-2.607	0.101	2.874
500.000	0.042	28.650	245.958	499.982	-1.205	-2.700	0.088	2.957
600.000	0.092	74.418	246.550	599.982	-1.180	-2.720	0.085	2.965
700.000	0.264	25.955	249.140	699.981	-0.953	-2.502	0.216	2.677
800.000	0.550	349.544	260.550	799.979	-0.407	-2.445	0.388	2.479
900.000	0.529	340.266	281.674	899.974	0.553	-2.677	0.087	2.733
1000.000	0.661	339.228	295.116	999.969	1.444	-3.080	0.088	3.401
1100.000	0.744	325.309	307.908	1099.960	2.717	-3.489	0.213	4.423
1200.000	0.508	295.188	308.278	1199.953	3.383	-4.287	0.398	5.461
1300.000	0.373	321.554	309.030	1299.950	3.918	-4.833	0.196	6.221
1400.000	0.187	49.662	310.009	1399.949	4.209	-5.015	0.435	6.547
1500.000	0.409	347.543	313.227	1499.948	4.557	-4.848	0.320	6.654
1600.000	0.715	304.142	314.049	1599.944	5.225	-5.401	0.512	7.515
1700.000	0.746	296.248	312.107	1699.937	5.768	-6.382	0.096	8.602
1800.000	1.132	293.708	307.676	1799.923	6.169	-7.988	0.483	10.093
1900.000	1.189	265.131	301.506	1899.904	6.074	-9.910	0.591	11.623
2000.000	1.158	260.717	296.152	1999.884	5.836	-11.885	0.085	13.240
2100.000	0.965	251.257	292.544	2099.864	5.772	-13.905	0.297	15.055
2200.000	1.308	262.231	289.103	2199.838	5.594	-16.152	0.491	17.094
2300.000	1.344	246.774	285.324	2299.813	5.012	-18.292	0.364	18.966

2400.000	1.376	248.833	281.387	2399.783	4.138	-20.546	0.604	20.959
2500.000	1.000	235.230	278.047	2499.756	3.203	-22.652	0.408	22.877
2600.000	1.100	239.144	275.149	2599.738	2.185	-24.250	0.138	24.348
2700.000	1.150	221.420	272.960	2699.720	1.341	-25.938	0.334	25.973
2800.000	0.937	259.927	271.411	2799.705	0.677	-27.472	0.725	27.480
2900.000	1.116	261.968	270.732	2899.687	0.375	-29.330	0.189	29.333
3000.000	0.957	247.888	269.614	2999.671	-0.209	-31.022	0.281	31.023
3100.000	0.936	268.623	269.126	3099.658	-0.496	-32.549	0.342	32.553
3200.000	1.293	280.399	269.478	3199.639	-0.314	-34.464	0.440	34.465
3300.000	1.747	299.439	270.983	3299.604	0.634	-36.933	0.675	36.938
3400.000	2.021	313.042	273.685	3399.552	2.542	-39.466	0.527	39.548
3500.000	1.534	330.648	276.576	3499.509	4.767	-41.354	0.790	41.628
3600.000	1.458	343.114	279.223	3599.483	6.861	-42.256	0.347	42.809
3700.000	1.733	327.119	282.114	3699.443	9.352	-43.573	0.531	44.566
3800.000	1.433	317.584	284.301	3799.407	11.511	-45.157	0.368	46.601
3900.000	1.190	319.872	285.982	3899.381	13.315	-46.491	0.261	48.360
4000.000	1.162	289.074	286.745	3999.361	14.467	-48.085	0.646	50.215
4100.000	0.924	249.798	286.143	4099.343	14.437	-49.878	0.731	51.925
4200.000	0.964	244.312	285.005	4199.329	13.782	-51.417	0.095	53.232
4300.000	1.305	242.727	283.540	4299.303	12.882	-53.495	0.347	55.024
4400.000	1.235	266.230	282.175	4399.282	11.931	-55.303	0.521	56.575
4500.000	1.038	288.648	281.989	4499.265	12.121	-57.077	0.485	58.350
4600.000	1.071	285.377	282.268	4599.250	12.757	-58.668	0.095	60.039
4700.000	1.387	307.869	283.053	4699.227	13.999	-60.379	0.569	61.981
4800.000	1.118	296.504	283.767	4799.200	15.264	-62.298	0.374	64.141
4900.000	1.175	323.707	284.394	4899.185	16.321	-63.593	0.542	65.653
5000.000	1.262	311.046	285.243	4999.166	17.694	-64.933	0.290	67.300
5100.000	1.050	318.045	285.842	5099.146	18.883	-66.546	0.230	69.173
5200.000	1.046	311.152	286.598	5199.129	20.214	-67.818	0.136	70.767
5300.000	0.570	272.745	286.938	5299.118	21.003	-68.965	0.634	72.092
5400.000	0.236	191.466	286.549	5399.113	20.744	-69.811	0.571	72.828
5500.000	0.644	65.908	286.673	5499.110	20.733	-69.227	0.805	72.265
5600.000	0.176	312.392	287.093	5599.108	21.241	-69.076	0.647	72.268
5700.000	0.314	191.654	286.783	5699.106	20.952	-69.470	0.435	72.561
5800.000	0.444	214.730	286.346	5799.104	20.480	-69.828	0.185	72.770
5900.000	0.536	172.955	285.693	5899.100	19.650	-69.939	0.388	72.647
6000.000	0.206	214.184	285.196	5999.097	18.985	-69.897	0.503	72.429
6100.000	0.449	212.373	284.793	6099.096	18.538	-70.197	0.279	72.604
6200.000	0.255	122.034	284.090	6199.091	17.703	-70.532	0.511	72.720
6300.000	0.210	189.003	283.873	6299.090	17.384	-70.389	0.240	72.504
6400.000	0.743	268.996	283.661	6399.088	17.240	-70.928	0.735	72.993
6500.000	1.614	233.257	282.619	6499.066	16.259	-72.623	1.093	74.420
6600.000	2.008	223.668	280.651	6599.016	14.079	-74.865	0.445	76.177
6700.000	1.365	222.696	278.730	6698.966	11.832	-77.053	0.564	77.956
6800.000	1.636	238.591	277.434	6798.928	10.348	-79.311	0.514	79.983
6900.000	1.124	224.229	276.131	6898.887	8.774	-81.679	0.630	82.149
7000.000	1.551	248.058	275.227	6998.854	7.683	-83.980	0.754	84.331

