

GyroTracer Directional:

Date: 3/26/2018
 Operator : Adrian Bruner
 API: 05-123-19250
 Well Name: **Swanson 28-21**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 7050.00
 Total Well Depth: 7250.00
 Latitude : 40.464723 N
 Longitude : 104.785266 W
 Grid Offset : 0.46

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

Northing: 0.00 Easting: 0.00 Altitude: 4722.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 3/26/2018 9:59

End Time: 3/26/2018 11:18

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	0.330	356.039	341.565	100.000	0.540	-0.180	0.330	0.569
200.000	0.346	359.919	351.485	199.999	1.059	-0.159	0.051	1.071
300.000	0.450	319.695	347.567	299.996	1.692	-0.373	0.330	1.733
400.000	0.390	310.528	338.099	399.993	2.273	-0.914	0.065	2.450
500.000	0.726	309.226	331.849	499.989	2.817	-1.507	0.278	3.195
600.000	0.325	256.234	323.344	599.986	3.066	-2.281	0.567	3.821
700.000	0.293	228.001	316.480	699.984	2.801	-2.660	0.149	3.863
800.000	0.446	254.488	310.342	799.983	2.595	-3.055	0.246	4.008
900.000	0.421	255.892	302.590	899.981	2.318	-3.626	0.096	4.303
1000.000	0.706	256.151	293.742	999.975	2.033	-4.621	0.172	5.048
1100.000	0.660	235.324	283.434	1099.965	1.399	-5.858	0.209	6.023
1200.000	0.756	226.824	273.833	1199.954	0.470	-7.013	0.113	7.029
1300.000	0.856	207.976	264.358	1299.941	-0.785	-7.950	0.351	7.989
1400.000	0.819	193.707	255.334	1399.929	-2.236	-8.544	0.221	8.831
1500.000	0.705	219.871	250.398	1499.922	-3.242	-9.105	0.382	9.665
1600.000	0.230	289.127	250.187	1599.919	-3.511	-9.745	0.608	10.358
1700.000	0.915	272.898	253.703	1699.911	-3.195	-10.927	0.678	11.384
1800.000	0.645	246.752	254.662	1799.902	-3.353	-12.225	0.437	12.676
1900.000	0.686	222.300	252.371	1899.895	-4.165	-13.106	0.291	13.751
2000.000	0.754	216.526	249.681	1999.886	-5.162	-13.939	0.116	14.864
2100.000	0.720	232.026	247.697	2099.879	-6.046	-14.740	0.238	15.932
2200.000	0.833	259.856	247.418	2199.871	-6.579	-15.818	0.389	17.132
2300.000	1.505	279.990	250.280	2299.852	-6.339	-17.685	0.797	18.786

2400.000	1.767	289.641	254.443	2399.814	-5.671	-20.372	0.392	21.147
2500.000	1.601	279.141	258.402	2499.767	-4.776	-23.272	0.452	23.757
2600.000	1.812	303.364	262.972	2599.718	-3.200	-25.956	0.733	26.153
2700.000	1.570	306.152	267.141	2699.671	-1.422	-28.479	0.283	28.514
2800.000	2.018	304.627	271.028	2799.613	0.560	-31.198	0.308	31.203
2900.000	1.826	291.293	273.714	2899.554	2.220	-34.197	0.471	34.269
3000.000	1.462	292.811	275.098	2999.513	3.284	-36.813	0.303	36.959
3100.000	1.100	288.698	275.843	3099.489	3.980	-38.895	0.432	39.099
3200.000	0.496	251.813	275.949	3199.477	4.199	-40.290	0.772	40.508
3300.000	0.982	298.962	275.874	3299.470	4.262	-41.427	0.735	41.645
3400.000	1.962	333.440	277.812	3399.441	5.909	-43.070	1.316	43.473
3500.000	2.841	337.294	282.657	3499.333	10.101	-44.978	1.060	46.098
3600.000	2.717	318.395	287.216	3599.204	14.640	-47.247	0.892	49.463
3700.000	2.016	328.987	290.176	3699.126	18.057	-49.143	0.856	52.356
3800.000	1.982	320.590	292.149	3799.070	20.795	-51.088	0.289	55.158
3900.000	2.000	287.634	292.653	3899.006	22.578	-54.099	1.136	58.621
4000.000	1.635	289.763	292.505	3998.967	23.502	-56.724	0.394	61.400
4100.000	1.132	237.479	291.579	4098.940	23.294	-58.896	1.271	63.335
4200.000	1.021	236.212	290.234	4198.923	22.259	-60.389	0.149	64.361
4300.000	0.337	254.905	289.373	4298.914	21.616	-61.477	0.708	65.167
4400.000	0.798	319.457	289.554	4398.909	22.083	-62.173	0.701	65.979
4500.000	0.637	244.349	289.594	4498.901	22.517	-63.258	0.884	67.146
4600.000	0.539	193.245	288.747	4598.895	21.634	-63.742	0.504	67.313
4700.000	1.006	189.893	287.563	4698.885	20.284	-64.086	0.371	67.220
4800.000	0.547	178.396	286.408	4798.874	18.923	-64.262	0.467	66.990
4900.000	0.938	219.053	285.379	4898.866	17.853	-64.909	0.647	67.319
5000.000	0.792	216.589	284.159	4998.854	16.524	-65.496	0.143	67.549
5100.000	1.175	222.283	283.069	5098.840	15.516	-66.836	0.489	68.613
5200.000	0.735	257.312	282.233	5198.827	14.773	-68.139	0.723	69.722
5300.000	1.453	228.306	281.583	5298.811	14.311	-69.823	0.866	71.275
5400.000	2.048	212.118	279.442	5398.765	11.902	-71.566	0.739	72.549
5500.000	2.045	246.988	277.468	5498.711	9.690	-73.928	1.218	74.560
5600.000	0.794	243.840	276.327	5598.676	8.437	-76.094	1.238	76.561
5700.000	0.892	251.558	275.841	5698.665	7.925	-77.467	0.150	77.872
5800.000	0.385	260.885	275.546	5798.660	7.610	-78.366	0.612	78.734
5900.000	0.768	302.448	275.852	5898.654	8.117	-79.192	0.548	79.607
6000.000	0.702	287.540	276.225	5998.647	8.754	-80.258	0.114	80.734
6100.000	0.684	256.872	276.145	6098.641	8.740	-81.177	0.393	81.646
6200.000	1.180	273.748	276.019	6198.626	8.739	-82.879	0.562	83.339
6300.000	0.752	276.114	275.912	6298.611	8.757	-84.562	0.412	85.015
6400.000	1.320	272.596	275.919	6398.589	8.979	-86.615	0.569	87.079
6500.000	0.634	277.268	275.936	6498.575	9.169	-88.190	0.769	88.666
6600.000	0.843	303.110	276.098	6598.565	9.560	-89.488	0.357	89.997
6700.000	0.840	332.804	276.842	6698.556	10.788	-89.910	0.426	90.555
6800.000	1.093	284.251	277.224	6798.535	11.606	-91.569	0.835	92.302
6900.000	1.396	275.844	277.189	6898.508	11.838	-93.856	0.387	94.600
7000.000	2.230	267.840	277.187	6998.464	12.204	-96.777	0.920	97.544
7050.000	0.660	276.370	277.152	7048.414	12.421	-98.984	1.052	99.761

