

GyroTracer Directional:

Date: 7/2/2018
 Operator : David England
 API: 05-123-23684
 Well Name: **Kreykes 13-15**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 7100.00
 Total Well Depth: 7424.00
 Latitude : 40.49067 N
 Longitude : 104.83704 W
 Grid Offset : 0.43

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

Northing: 0.00 Easting: 0.00 Altitude: 4873.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 7/2/2018 7:37

End Time: 7/2/2018 8:59

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
100.780	0.430	70.067	55.886	100.780	0.420	0.620	0.427	0.749
200.000	0.449	91.767	69.408	199.997	0.504	1.342	0.168	1.433
300.000	0.449	79.879	74.274	299.994	0.590	2.096	0.061	2.178
400.000	0.362	58.590	71.535	399.992	0.912	2.731	0.164	2.879
500.000	0.515	316.176	68.607	499.990	1.159	2.958	0.820	3.176
600.000	0.360	271.673	61.223	599.988	1.310	2.386	0.338	2.722
700.000	0.692	225.429	59.900	699.983	0.896	1.545	0.560	1.786
800.000	0.753	214.440	105.997	799.974	-0.218	0.760	0.157	0.790
900.000	0.894	198.613	172.998	899.966	-1.301	0.160	0.281	1.311
1000.000	1.011	206.175	189.014	999.952	-2.822	-0.448	0.251	2.857
1100.000	1.193	208.739	196.255	1099.935	-4.480	-1.306	0.188	4.667
1200.000	1.129	211.026	200.404	1199.916	-6.156	-2.290	0.079	6.568
1300.000	1.120	213.567	202.556	1299.897	-7.819	-3.248	0.074	8.467
1400.000	1.272	213.320	204.322	1399.877	-9.529	-4.307	0.172	10.457
1500.000	1.394	226.734	207.362	1499.848	-11.318	-5.857	0.360	12.744
1600.000	1.435	228.866	210.678	1599.819	-12.907	-7.657	0.058	15.008
1700.000	1.356	227.506	212.621	1699.790	-14.606	-9.348	0.080	17.341
1800.000	1.541	224.239	214.108	1799.758	-16.411	-11.115	0.212	19.821
1900.000	1.532	247.084	215.827	1899.719	-18.271	-13.190	0.617	22.535
2000.000	1.167	236.805	217.722	1999.693	-19.519	-15.098	0.450	24.676
2100.000	1.164	231.517	218.984	2099.672	-20.695	-16.749	0.153	26.623
2200.000	1.143	229.527	219.652	2199.651	-22.052	-18.277	0.050	28.642
2300.000	1.136	236.145	220.557	2299.629	-23.329	-19.965	0.144	30.706

2400.000	0.828	251.872	221.682	2399.616	-24.012	-21.381	0.397	32.151
2500.000	0.722	241.623	222.669	2499.607	-24.532	-22.612	0.140	33.364
2600.000	0.683	257.365	223.274	2599.600	-25.081	-23.614	0.178	34.448
2700.000	0.673	249.069	224.029	2699.594	-25.490	-24.640	0.110	35.453
2800.000	0.520	283.384	224.964	2799.589	-25.673	-25.641	0.359	36.284
2900.000	0.500	294.799	226.241	2899.585	-25.382	-26.506	0.110	36.699
3000.000	0.372	286.260	227.345	2999.582	-25.073	-27.215	0.144	37.004
3100.000	0.580	286.666	228.430	3099.578	-24.817	-27.982	0.185	37.402
3200.000	0.898	286.537	230.133	3199.569	-24.432	-29.254	0.341	38.115
3300.000	0.917	295.524	232.206	3299.556	-23.854	-30.759	0.137	38.925
3400.000	0.511	312.630	234.079	3399.546	-23.131	-31.930	0.429	39.428
3500.000	0.153	268.702	234.921	3499.544	-22.752	-32.399	0.443	39.590
3600.000	0.189	225.526	234.976	3599.544	-22.858	-32.616	0.120	39.829
3700.000	0.219	239.544	234.916	3699.543	-23.099	-32.886	0.080	40.187
3800.000	0.220	248.102	234.887	3799.542	-23.344	-33.199	0.029	40.584
3900.000	0.113	259.310	235.049	3899.541	-23.428	-33.519	0.142	40.895
4000.000	0.395	166.997	234.770	3999.541	-23.657	-33.499	0.416	41.010
4100.000	1.090	173.515	233.157	4099.532	-24.931	-33.273	0.790	41.577
4200.000	1.402	175.712	230.756	4199.509	-27.060	-33.127	0.345	42.774
4300.000	1.934	181.490	227.906	4299.469	-29.863	-33.056	0.561	44.547
4400.000	2.020	187.248	225.000	4399.411	-33.243	-33.243	0.245	47.013
4500.000	1.800	191.196	222.682	4499.352	-36.631	-33.780	0.289	49.829
4600.000	1.349	189.747	221.017	4599.315	-39.276	-34.162	0.444	52.054
4700.000	1.285	197.550	219.865	4699.289	-41.512	-34.666	0.190	54.083
4800.000	1.117	202.947	219.242	4799.268	-43.404	-35.452	0.166	56.043
4900.000	0.802	212.639	218.903	4899.252	-44.947	-36.271	0.375	57.756
5000.000	0.520	205.212	218.701	4999.244	-46.042	-36.888	0.313	58.997
5100.000	0.346	194.403	218.450	5099.241	-46.758	-37.127	0.149	59.705
5200.000	0.130	136.257	218.228	5199.240	-47.175	-37.160	0.259	60.053
5300.000	0.179	89.087	217.980	5299.240	-47.229	-36.872	0.129	59.918
5400.000	0.879	56.150	217.632	5399.236	-46.892	-36.153	0.723	59.211
5500.000	1.086	74.848	217.057	5499.222	-46.017	-34.748	0.387	57.662
5600.000	1.219	126.384	215.146	5599.199	-46.582	-32.795	0.986	56.968
5700.000	0.615	160.355	213.565	5699.184	-47.879	-31.769	0.798	57.460
5800.000	0.570	90.369	213.423	5799.178	-48.365	-31.919	0.713	57.948
5900.000	1.001	118.071	212.146	5899.168	-48.850	-30.698	0.569	57.695
6000.000	1.042	136.324	210.444	5999.153	-49.936	-29.349	0.348	57.922
6100.000	1.091	126.672	208.807	6099.137	-51.298	-28.209	0.184	58.542
6200.000	1.429	157.589	207.045	6199.113	-53.131	-27.125	0.744	59.654
6300.000	1.406	192.994	205.636	6299.084	-55.481	-26.625	0.867	61.539
6400.000	1.438	190.308	204.877	6399.052	-57.991	-26.890	0.087	63.922
6500.000	1.245	188.953	204.430	6499.022	-60.357	-27.417	0.175	66.292
6600.000	1.481	207.556	204.155	6598.992	-62.678	-28.110	0.517	68.693
6700.000	1.544	191.147	203.930	6698.964	-64.909	-28.804	0.452	71.013
6800.000	0.956	173.806	203.381	6798.944	-66.846	-28.901	0.703	72.826
6900.000	0.482	186.376	202.951	6898.930	-68.463	-28.991	0.502	74.348
7000.000	0.664	167.245	202.760	6998.925	-69.365	-29.101	0.254	75.222
7100.000	0.905	111.951	201.976	7098.917	-70.298	-28.368	0.750	75.806

