

GyroTracer Directional:

Date: 7/3/2018
 Operator : Brandon McKnight
 API: 05-123-23594
 Well Name: **Kreykes 13-13**
 Field : Noble Energy Inc
 Tool Type And Number: 1609
 Bottom Depth : 7150.00
 Total Well Depth: 7400.00
 Latitude : 40.48946 N
 Longitude : 104.84001 W
 Grid Offset : 0.43

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

Northing: 0.00 Easting: 0.00 Altitude: 4868.00

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 9:09

End Time: 7/2/2018 10:06

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	0.530	197.544	197.544	100.229	-0.442	-0.140	0.529	0.464
200.000	0.674	204.066	200.075	199.993	-1.418	-0.518	0.173	1.509
300.000	0.580	203.807	201.702	299.987	-2.418	-0.962	0.057	2.602
400.000	0.506	202.477	202.098	399.983	-3.289	-1.335	0.047	3.550
500.000	0.665	201.734	202.089	499.977	-4.236	-1.719	0.148	4.572
600.000	0.668	204.407	202.288	599.971	-5.306	-2.175	0.022	5.734
700.000	0.693	211.770	203.292	699.964	-6.351	-2.734	0.096	6.914
800.000	0.648	201.632	203.809	799.957	-7.391	-3.261	0.169	8.078
900.000	0.693	198.328	203.318	899.950	-8.490	-3.660	0.035	9.246
1000.000	0.632	209.526	203.356	999.943	-9.544	-4.122	0.171	10.396
1100.000	0.718	204.915	203.734	1099.936	-10.592	-4.657	0.087	11.571
1200.000	0.660	213.439	204.228	1199.929	-11.641	-5.239	0.126	12.766
1300.000	0.643	215.455	205.059	1299.923	-12.579	-5.882	0.062	13.886
1400.000	0.528	239.438	206.456	1399.917	-13.270	-6.604	0.262	14.823
1500.000	0.515	230.844	208.057	1499.913	-13.788	-7.349	0.081	15.625
1600.000	0.488	247.670	209.616	1599.910	-14.234	-8.091	0.204	16.373
1700.000	0.529	241.055	211.302	1699.906	-14.619	-8.889	0.095	17.110
1800.000	0.252	235.228	212.331	1799.903	-14.968	-9.474	0.258	17.714
1900.000	0.258	265.379	213.174	1899.902	-15.112	-9.879	0.176	18.054
2000.000	0.515	344.321	214.827	1999.900	-14.697	-10.225	0.549	17.904
2100.000	0.585	316.507	217.594	2099.896	-13.894	-10.698	0.277	17.535
2200.000	0.708	329.756	221.171	2199.890	-12.990	-11.360	0.174	17.257
2300.000	0.829	319.349	225.561	2299.881	-11.907	-12.143	0.197	17.007

2400.000	0.811	317.268	230.384	2399.871	-10.839	-13.094	0.064	16.998
2500.000	0.919	305.790	235.300	2499.859	-9.850	-14.225	0.190	17.302
2600.000	0.902	311.819	240.198	2599.847	-8.856	-15.462	0.082	17.819
2700.000	0.874	308.618	244.736	2699.835	-7.855	-16.645	0.043	18.405
2800.000	0.851	314.196	248.890	2799.823	-6.861	-17.773	0.093	19.051
2900.000	0.706	294.593	252.116	2899.814	-6.087	-18.865	0.329	19.823
3000.000	0.750	279.654	254.090	2999.806	-5.721	-20.071	0.196	20.870
3100.000	0.836	251.493	254.734	3099.797	-5.843	-21.408	0.438	22.191
3200.000	1.123	228.308	253.584	3199.783	-6.726	-22.831	0.505	23.802
3300.000	1.263	231.040	251.711	3299.761	-8.071	-24.420	0.093	25.719
3400.000	1.190	224.656	249.928	3399.738	-9.503	-26.007	0.143	27.689
3500.000	1.481	220.376	247.848	3499.711	-11.226	-27.574	0.339	29.771
3600.000	1.259	217.246	245.771	3599.682	-13.085	-29.076	0.026	31.885
3700.000	1.113	207.225	243.846	3699.661	-14.823	-30.185	0.265	33.628
3800.000	1.214	208.312	241.905	3799.640	-16.619	-31.132	0.226	35.290
3900.000	1.188	210.247	240.158	3899.618	-18.447	-32.157	0.117	37.072
4000.000	1.210	209.833	238.611	3999.596	-20.259	-33.204	0.054	38.896
4100.000	0.984	221.178	237.532	4099.578	-21.821	-34.295	0.185	40.648
4200.000	0.969	234.803	237.150	4199.564	-22.955	-35.551	0.244	42.318
4300.000	0.946	240.666	237.171	4299.550	-23.847	-36.962	0.074	43.987
4400.000	0.868	254.966	237.526	4399.537	-24.447	-38.413	0.259	45.533
4500.000	0.804	250.453	237.994	4499.527	-24.879	-39.805	0.160	46.941
4600.000	0.889	247.768	238.329	4599.516	-25.407	-41.185	0.103	48.391
4700.000	0.561	266.347	238.742	4699.508	-25.732	-42.391	0.442	49.590
4800.000	0.404	272.275	239.222	4799.504	-25.749	-43.232	0.128	50.319
4900.000	0.447	263.226	239.617	4899.501	-25.781	-43.972	0.059	50.972
5000.000	0.267	277.300	239.949	4999.500	-25.797	-44.590	0.196	51.515
5100.000	0.530	263.358	240.306	5099.497	-25.821	-45.281	0.278	52.126
5200.000	0.432	261.693	240.651	5199.493	-25.929	-46.113	0.175	52.903
5300.000	0.370	250.249	240.854	5299.491	-26.093	-46.790	0.113	53.574
5400.000	0.508	235.016	240.862	5399.488	-26.456	-47.457	0.165	54.333
5500.000	0.811	220.600	240.562	5499.481	-27.247	-48.281	0.370	55.439
5600.000	0.796	195.347	239.818	5599.472	-28.455	-48.925	0.365	56.598
5700.000	0.671	216.985	239.108	5699.464	-29.592	-49.462	0.307	57.638
5800.000	0.570	200.316	238.588	5799.458	-30.526	-49.986	0.191	58.571
5900.000	0.227	195.245	238.157	5899.456	-31.184	-50.211	0.317	59.107
6000.000	0.221	150.133	237.841	5999.455	-31.542	-50.167	0.192	59.259
6100.000	0.352	139.402	237.360	6099.454	-31.943	-49.871	0.143	59.224
6200.000	1.688	104.036	236.005	6199.436	-32.533	-48.243	1.339	58.187
6300.000	2.121	87.549	233.881	6299.381	-32.811	-44.965	0.716	55.664
6400.000	0.957	80.253	232.382	6399.344	-32.591	-42.293	1.259	53.393
6500.000	0.209	5.741	232.101	6499.338	-32.268	-41.452	1.014	52.531
6600.000	0.662	288.566	232.768	6599.336	-31.903	-41.981	0.679	52.727
6700.000	0.719	257.626	233.560	6699.329	-31.853	-43.141	0.411	53.627
6800.000	0.942	271.396	234.354	6799.318	-31.968	-44.576	0.320	54.854
6900.000	0.902	269.768	235.324	6899.306	-31.951	-46.185	0.093	56.160
7000.000	0.958	267.620	236.213	6999.292	-31.989	-47.807	0.051	57.522
7100.000	1.038	260.580	236.998	7099.277	-32.172	-49.536	0.143	59.066
7150.000	0.880	256.730	237.296	7149.410	-32.334	-50.359	0.078	59.846

