

GyroTracer Directional:

Date: 7/2/2018
 Operator : David England
 API: 05-123-23683
 Well Name: **Kreykes 13-11**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 7100.00
 Total Well Depth: 7424.00
 Latitude : 40.49258 N
 Longitude : 104.83498 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 15:26

End Time: 7/2/2018 16:51

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	0.560	36.843	90.573	101.010	-0.010	1.000	0.554	1.000
200.000	0.326	75.632	70.254	199.987	0.556	1.550	0.372	1.646
300.000	0.471	11.018	57.421	299.985	1.095	1.714	0.426	2.034
400.000	0.198	352.377	45.773	399.983	1.618	1.662	0.277	2.320
500.000	0.327	328.260	41.353	499.983	1.824	1.605	0.170	2.429
600.000	0.275	343.815	35.149	599.982	2.090	1.471	0.117	2.556
700.000	0.680	355.837	26.379	699.978	2.950	1.463	0.388	3.293
800.000	0.720	21.823	20.956	799.969	4.285	1.641	0.321	4.589
900.000	0.732	354.981	20.165	899.964	5.211	1.914	0.343	5.551
1000.000	0.624	3.715	16.955	999.956	6.457	1.969	0.189	6.751
1100.000	0.552	343.069	13.971	1099.951	7.406	1.843	0.199	7.631
1200.000	0.580	354.945	11.815	1199.945	8.496	1.777	0.107	8.680
1300.000	0.508	340.032	9.603	1299.940	9.432	1.596	0.137	9.566
1400.000	0.721	344.037	6.120	1399.932	10.587	1.135	0.177	10.648
1500.000	0.771	345.990	3.717	1499.923	11.842	0.769	0.075	11.867
1600.000	0.867	339.473	1.395	1599.914	13.132	0.320	0.202	13.136
1700.000	0.820	341.308	359.543	1699.904	14.417	-0.115	0.034	14.417
1800.000	0.823	327.779	357.196	1799.894	15.715	-0.770	0.185	15.734
1900.000	1.119	330.853	354.439	1899.877	17.284	-1.683	0.192	17.366
2000.000	0.952	296.315	351.901	1999.863	18.546	-2.639	0.628	18.733
2100.000	1.162	287.592	346.941	2099.845	19.180	-4.449	0.279	19.689
2200.000	1.385	274.897	341.040	2199.819	19.414	-6.669	0.345	20.527
2300.000	1.282	282.759	335.141	2299.788	19.674	-9.115	0.230	21.683

2400.000	1.277	274.607	330.559	2399.762	20.090	-11.339	0.348	23.069
2500.000	1.296	252.860	326.010	2499.741	19.851	-13.385	0.458	23.942
2600.000	1.199	251.130	320.989	2599.716	19.050	-15.432	0.137	24.517
2700.000	1.381	250.581	315.961	2699.688	18.282	-17.679	0.160	25.432
2800.000	1.612	245.527	310.838	2799.654	17.380	-20.107	0.299	26.578
2900.000	1.892	240.585	305.277	2899.612	16.049	-22.686	0.354	27.789
3000.000	1.624	244.696	300.463	2999.569	14.926	-25.377	0.293	29.441
3100.000	1.528	242.252	296.290	3099.533	13.711	-27.755	0.171	30.957
3200.000	1.990	253.668	292.647	3199.501	12.493	-29.943	0.579	32.444
3300.000	1.297	241.977	289.671	3299.476	11.406	-31.908	0.518	33.885
3400.000	0.924	242.324	287.281	3399.456	10.463	-33.633	0.376	35.223
3500.000	0.877	256.449	285.792	3499.443	9.949	-35.175	0.221	36.555
3600.000	0.628	261.033	284.982	3599.437	9.698	-36.239	0.233	37.514
3700.000	0.662	258.157	284.196	3699.431	9.428	-37.272	0.068	38.446
3800.000	0.526	255.590	283.524	3799.426	9.202	-38.259	0.167	39.350
3900.000	0.596	256.945	282.808	3899.421	8.917	-39.221	0.033	40.222
4000.000	0.378	236.485	282.010	3999.417	8.503	-39.970	0.242	40.864
4100.000	0.832	149.239	280.682	4099.411	7.513	-39.829	0.893	40.531
4200.000	0.822	130.037	279.214	4199.398	6.293	-38.795	0.287	39.303
4300.000	0.693	87.621	278.550	4299.388	5.648	-37.569	0.599	37.991
4400.000	0.685	69.778	279.173	4399.382	5.895	-36.507	0.205	36.980
4500.000	0.760	66.287	280.127	4499.375	6.332	-35.449	0.152	36.010
4600.000	0.827	79.505	281.121	4599.366	6.718	-34.176	0.222	34.830
4700.000	0.645	80.087	281.873	4699.358	6.923	-32.926	0.155	33.646
4800.000	0.230	66.026	282.358	4799.355	7.066	-32.251	0.427	33.016
4900.000	0.204	335.489	282.647	4899.355	7.245	-32.288	0.294	33.090
5000.000	0.120	299.573	282.965	4999.354	7.498	-32.570	0.102	33.422
5100.000	0.413	252.370	282.691	5099.353	7.451	-33.088	0.360	33.917
5200.000	0.559	261.630	281.915	5199.348	7.175	-34.003	0.106	34.752
5300.000	0.528	253.145	281.290	5299.342	6.993	-35.031	0.113	35.722
5400.000	0.700	241.651	280.249	5399.336	6.508	-35.992	0.216	36.575
5500.000	0.727	258.196	279.252	5499.328	6.067	-37.240	0.215	37.731
5600.000	0.737	256.228	278.667	5599.320	5.861	-38.447	0.024	38.892
5700.000	0.670	231.307	277.628	5699.313	5.278	-39.408	0.293	39.760
5800.000	0.660	229.968	276.329	5799.306	4.473	-40.325	0.034	40.572
5900.000	0.600	243.407	275.270	5899.299	3.803	-41.234	0.151	41.409
6000.000	0.472	234.777	274.693	5999.295	3.454	-42.075	0.131	42.216
6100.000	0.399	238.025	274.238	6099.293	3.164	-42.688	0.047	42.805
6200.000	0.527	252.435	273.757	6199.290	2.849	-43.376	0.178	43.470
6300.000	0.690	268.701	273.522	6299.285	2.726	-44.285	0.237	44.368
6400.000	0.771	289.749	273.768	6399.277	2.997	-45.503	0.289	45.602
6500.000	0.764	290.533	274.130	6499.269	3.371	-46.687	0.023	46.809
6600.000	0.980	287.982	274.568	6599.259	3.840	-48.057	0.253	48.210
6700.000	1.335	290.226	275.266	6699.240	4.593	-49.826	0.326	50.037
6800.000	1.890	300.679	276.525	6799.197	5.991	-52.378	0.631	52.720
6900.000	2.355	301.335	278.188	6899.129	7.979	-55.456	0.469	56.027
7000.000	3.156	304.861	280.137	6999.017	10.615	-59.369	0.769	60.311
7100.000	3.117	306.367	282.122	7098.849	13.786	-64.184	0.119	65.648

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