

GyroTracer Directional:

Date: 6/7/2018
 Operator : Adrian Bruner
 API: 05-123-23502
 Well Name: **Cade State 0 36-19**
 Field : Noble Energy Inc
 Tool Type And Number: 1719
 Bottom Depth : 7100.00
 Total Well Depth: 7397.00
 Latitude : 40.27241 N
 Longitude : 104.844 W
 Grid Offset : 0.42

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

Northing: 0.00 Easting: 0.00 Altitude: 4766.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 6/7/2018 8:17

End Time: 6/7/2018 9:22

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	0.380	127.588	124.641	100.000	-0.380	0.550	0.380	0.669
200.000	0.378	129.077	127.904	199.998	-0.811	1.041	0.011	1.320
300.000	0.312	138.116	125.678	299.996	-1.125	1.567	0.080	1.929
400.000	0.370	233.478	135.220	399.995	-1.332	1.322	0.506	1.877
500.000	0.887	230.341	169.622	499.987	-2.019	0.370	0.533	2.053
600.000	0.996	240.356	197.129	599.976	-2.840	-0.875	0.168	2.972
700.000	1.022	229.003	211.104	699.960	-3.853	-2.325	0.231	4.500
800.000	0.748	236.771	215.267	799.948	-4.880	-3.451	0.345	5.976
900.000	0.967	235.616	219.911	899.937	-5.651	-4.727	0.268	7.368
1000.000	0.951	222.378	220.600	999.922	-6.879	-5.896	0.221	9.061
1100.000	0.816	255.230	223.136	1099.912	-7.534	-7.059	0.765	10.324
1200.000	0.532	225.198	225.491	1199.899	-8.304	-8.447	0.536	11.845
1300.000	0.995	237.778	228.229	1299.889	-8.694	-9.734	0.410	13.051
1400.000	0.855	240.263	228.899	1399.882	-9.304	-10.665	0.075	14.153
1500.000	0.833	208.807	229.946	1499.875	-9.824	-11.685	0.477	15.266
1600.000	0.552	266.752	231.217	1599.870	-10.128	-12.604	0.646	16.169
1700.000	0.922	283.877	232.655	1699.860	-10.544	-13.818	0.434	17.382
1800.000	0.890	286.835	237.210	1799.845	-9.865	-15.313	0.103	18.215
1900.000	1.014	306.583	241.717	1899.830	-8.990	-16.708	0.416	18.973
2000.000	0.796	302.632	245.737	1999.818	-8.079	-17.924	0.193	19.661
2100.000	0.840	291.440	248.930	2099.805	-7.455	-19.350	0.169	20.737
2200.000	1.134	284.338	251.716	2199.790	-6.937	-20.994	0.334	22.111
2300.000	1.183	270.980	254.054	2299.771	-6.525	-22.836	0.274	23.750

2400.000	0.766	277.324	255.359	2399.757	-6.383	-24.434	0.384	25.254
2500.000	0.826	278.956	256.465	2499.748	-6.199	-25.753	0.154	26.489
2600.000	0.865	294.473	258.149	2599.734	-5.733	-27.323	0.280	27.918
2700.000	1.045	284.152	259.818	2699.718	-5.210	-29.010	0.232	29.475
2800.000	0.626	240.865	260.020	2799.708	-5.342	-30.357	0.798	30.823
2900.000	0.685	223.957	259.362	2899.701	-5.889	-31.352	0.234	31.901
3000.000	0.697	272.401	259.144	2999.694	-6.218	-32.425	0.598	33.016
3100.000	1.240	254.419	258.935	3099.683	-6.608	-33.791	0.668	34.431
3200.000	1.330	246.246	258.218	3199.660	-7.453	-35.732	0.182	36.502
3300.000	1.269	227.459	257.714	3299.638	-8.192	-37.617	0.441	38.499
3400.000	1.472	249.242	256.918	3399.614	-9.176	-39.489	0.657	40.541
3500.000	1.424	246.305	256.583	3499.581	-9.985	-41.859	0.177	43.033
3600.000	1.930	272.029	257.038	3599.530	-10.347	-44.956	0.905	46.131
3700.000	2.540	286.869	258.527	3699.445	-9.943	-48.994	0.869	49.993
3800.000	2.904	300.802	260.480	3799.323	-9.023	-53.799	0.834	54.550
3900.000	2.411	281.756	261.997	3899.206	-8.218	-58.456	0.994	59.031
4000.000	2.381	269.208	262.752	3999.117	-7.958	-62.576	0.520	63.080
4100.000	1.431	254.610	262.946	4099.060	-8.151	-65.869	1.242	66.371
4200.000	1.056	249.978	262.464	4199.034	-8.990	-67.961	0.429	68.553
4300.000	1.118	267.628	262.331	4299.011	-9.424	-69.985	0.395	70.616
4400.000	1.307	256.217	262.251	4398.983	-9.833	-72.262	0.253	72.928
4500.000	0.943	284.610	262.312	4498.964	-10.015	-74.187	0.551	74.860
4600.000	1.839	335.802	263.909	4598.929	-8.095	-75.860	1.410	76.291
4700.000	1.901	344.965	265.938	4698.876	-5.518	-77.706	0.319	77.902
4800.000	1.847	315.393	267.610	4798.827	-3.331	-79.804	0.922	79.874
4900.000	1.396	299.966	268.684	4898.785	-1.888	-82.207	0.648	82.229
5000.000	1.105	279.142	269.333	4998.758	-0.981	-84.235	0.476	84.241
5100.000	0.989	267.050	269.391	5098.736	-0.918	-86.313	0.258	86.318
5200.000	1.420	266.613	269.523	5198.713	-0.736	-88.360	0.393	88.363
5300.000	1.237	287.467	269.356	5298.688	-1.016	-90.485	0.565	90.491
5400.000	1.110	250.674	269.347	5398.659	-1.058	-92.832	0.768	92.838
5500.000	1.619	223.058	269.055	5498.620	-1.574	-95.452	0.758	95.465
5600.000	1.186	249.341	268.235	5598.578	-3.017	-97.900	0.623	97.946
5700.000	1.236	304.893	268.397	5698.565	-2.782	-99.390	1.116	99.429
5800.000	0.718	310.395	268.838	5798.549	-2.046	-100.906	0.427	100.927
5900.000	0.580	302.847	269.291	5898.538	-1.263	-102.095	0.101	102.102
6000.000	1.000	299.824	269.842	5998.529	-0.284	-102.961	0.422	102.961
6100.000	0.931	322.175	270.352	6098.519	0.638	-103.850	0.383	103.852
6200.000	1.080	325.477	270.982	6198.508	1.794	-104.622	0.054	104.637
6300.000	0.752	334.036	271.449	6298.501	2.664	-105.334	0.300	105.367
6400.000	1.067	309.474	272.006	6398.487	3.731	-106.525	0.501	106.591
6500.000	0.707	316.504	272.415	6498.479	4.532	-107.470	0.312	107.565
6600.000	1.059	314.779	272.855	6598.468	5.413	-108.547	0.398	108.682
6700.000	0.997	342.994	273.305	6698.456	6.333	-109.689	0.592	109.872
6800.000	1.137	1.023	274.047	6798.440	7.812	-110.418	0.353	110.694
6900.000	1.503	324.909	275.129	6898.413	9.961	-110.979	0.894	111.425
7000.000	1.329	22.851	276.334	6998.381	12.343	-111.203	1.437	111.886
7100.000	1.600	185.970	276.112	7098.366	11.885	-110.991	2.970	111.625

