

**GyroTracer Directional:**

Date: 10/19/2018  
 Operator : Adrian Bruner  
 API: 05-123-20684  
 Well Name: **Parker 29-34**  
 Field : Noble Energy Inc  
 Tool Type And Number: 1719  
 Bottom Depth : 6688.00  
 Total Well Depth: 7735.00  
 Latitude : 40.10495 N  
 Longitude : 104.57321 W  
 Grid Offset : 0.60

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

Northing: 0.00      Easting: 0.00      Altitude: 4983.00

**Description:**

*Azimuth measured in degrees and referenced to local grid*

*Inclination measured from Vertical*

*Length measured in US survey feet*

Start Time: 10/19/2018 13:53

End Time: 10/19/2018 14:55

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	0.420	213.854	198.435	100.000	-0.690	-0.230	0.420	0.727
200.000	0.444	240.375	209.585	199.996	-1.224	-0.695	0.205	1.408
300.000	0.294	175.412	205.475	299.995	-1.584	-0.755	0.372	1.754
400.000	0.301	31.708	210.144	399.993	-1.307	-0.759	0.194	1.511
500.000	1.402	41.260	212.605	499.985	-0.272	-0.174	1.113	0.323
600.000	0.967	52.160	38.712	599.963	1.339	1.073	0.512	1.716
700.000	0.855	55.787	46.806	699.943	2.486	2.648	0.154	3.632
800.000	1.130	67.949	52.810	799.925	3.298	4.347	0.239	5.456
900.000	1.342	106.730	63.437	899.904	3.140	6.280	0.799	7.021
1000.000	1.675	156.353	82.110	999.865	1.101	7.944	1.302	8.020
1100.000	2.293	173.842	105.427	1099.804	-2.328	8.438	0.823	8.753
1200.000	2.089	177.438	123.574	1199.739	-5.864	8.835	0.284	10.604
1300.000	2.167	174.627	136.669	1299.671	-9.539	8.998	0.101	13.113
1400.000	1.951	188.215	144.996	1399.610	-13.008	9.110	0.591	15.881
1500.000	1.916	186.471	151.638	1499.555	-16.276	8.787	0.077	18.497
1600.000	1.901	180.805	156.307	1599.500	-19.569	8.587	0.270	21.370
1700.000	2.010	191.171	159.765	1699.446	-22.822	8.413	0.386	24.323
1800.000	1.677	183.778	162.667	1799.387	-26.208	8.180	0.443	27.454
1900.000	1.712	186.495	165.472	1899.328	-29.581	7.666	0.059	30.559
2000.000	1.838	182.391	167.608	1999.273	-32.858	7.219	0.232	33.642
2100.000	1.900	194.577	169.147	2099.223	-35.967	6.895	0.366	36.622
2200.000	1.720	193.251	170.591	2199.169	-39.200	6.496	0.295	39.735
2300.000	1.571	181.909	171.805	2299.115	-42.456	6.114	0.334	42.894

2400.000	1.399	162.078	172.460	2399.071	-45.342	6.001	0.554	45.738
2500.000	1.369	144.519	171.960	2499.047	-47.399	6.695	0.404	47.870
2600.000	1.032	133.442	170.934	2599.025	-49.073	7.831	0.457	49.694
2700.000	1.336	121.886	169.721	2699.004	-50.598	9.176	0.296	51.423
2800.000	1.211	130.978	168.090	2798.982	-51.726	10.910	0.302	52.864
2900.000	1.063	117.854	166.188	2898.954	-52.764	12.972	0.340	54.335
3000.000	1.067	105.932	164.224	2998.927	-53.493	15.113	0.223	55.587
3100.000	1.272	107.074	162.497	3098.906	-54.035	17.041	0.198	56.659
3200.000	1.111	99.154	160.669	3198.886	-54.185	19.008	0.243	57.422
3300.000	0.882	76.983	158.842	3298.866	-54.057	20.922	0.508	57.965
3400.000	0.716	43.937	157.350	3398.853	-53.813	22.456	0.423	58.310
3500.000	0.585	65.384	156.136	3498.844	-53.244	23.554	0.117	58.221
3600.000	0.825	25.146	154.737	3598.832	-52.206	24.636	0.510	57.727
3700.000	0.836	11.200	153.524	3698.820	-51.002	25.402	0.303	56.978
3800.000	0.529	15.175	152.354	3798.808	-49.698	26.033	0.388	56.104
3900.000	0.823	11.485	151.142	3898.793	-48.101	26.507	0.148	54.921
4000.000	0.935	356.749	150.008	3998.780	-46.572	26.879	0.470	53.772
4100.000	0.847	348.488	149.638	4098.774	-45.678	26.758	0.204	52.938
4200.000	0.339	286.052	149.699	4198.770	-45.023	26.310	0.447	52.147
4300.000	0.627	316.602	149.673	4298.761	-43.991	25.734	0.359	50.966
4400.000	1.265	326.921	149.500	4398.744	-42.375	24.961	0.304	49.181
4500.000	1.465	333.092	149.075	4498.722	-40.498	24.262	0.303	47.210
4600.000	1.453	335.450	148.503	4598.697	-38.416	23.539	0.165	45.054
4700.000	1.738	338.142	147.497	4698.659	-35.827	22.827	0.184	42.481
4800.000	2.683	345.658	145.972	4798.593	-32.400	21.877	0.679	39.094
4900.000	2.309	349.299	143.092	4898.499	-28.167	21.155	0.255	35.227
5000.000	2.499	340.396	139.678	4998.393	-23.707	20.121	0.491	31.095
5100.000	3.240	306.723	138.124	5098.257	-19.390	17.383	1.828	26.041
5200.000	3.330	314.201	137.805	5198.101	-15.181	13.763	0.478	20.491
5300.000	2.976	309.668	138.724	5297.958	-11.408	10.014	0.453	15.179
5400.000	1.790	315.507	140.519	5397.855	-8.266	6.809	1.247	10.709
5500.000	1.942	321.009	144.292	5497.781	-5.636	4.051	0.240	6.941
5600.000	1.262	305.670	156.832	5597.727	-3.612	1.546	0.859	3.929
5700.000	1.032	319.215	181.580	5697.696	-1.799	-0.050	0.312	1.799
5800.000	1.379	311.639	255.934	5797.677	-0.321	-1.281	0.554	1.321
5900.000	0.495	12.249	288.099	5897.664	0.735	-2.249	1.201	2.366
6000.000	0.445	355.445	300.637	5997.659	1.487	-2.511	0.237	2.918
6100.000	0.519	308.261	305.084	6097.656	2.025	-2.883	0.440	3.523
6200.000	0.522	297.295	308.519	6197.652	2.636	-3.312	0.149	4.233
6300.000	0.957	316.205	310.094	6297.647	3.285	-3.902	0.499	5.101
6400.000	1.501	320.262	312.011	6397.631	4.505	-5.002	0.323	6.732
6500.000	1.177	19.350	317.776	6497.614	6.079	-5.517	1.272	8.209
6600.000	1.720	14.297	327.902	6597.591	8.123	-5.095	0.508	9.589
6688.000	2.240	35.280	339.057	6685.981	10.494	-4.016	1.503	11.236