

GyroTracer Directional:

Date: 5/10/2018
 Operator : Brandon McKnight
 Crew : 05-123-15576
 Well Number : **Agricultural Products Inc 32-2F**
 Field : Noble Energy Inc
 Tool Type And Number: 1609
 Bottom Depth : 7200.00
 Total Well Depth: 7414.00
 Latitude : 40.27391 N
 Longitude : 104.79846 W
 Grid Offset : 0.45

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

Northing: 0.00 Easting: 0.00 Altitude: 4771.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 5/10/2018 14:32

End Time: 5/10/2018 15:50

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
100.310	0.120	89.399	95.440	100.310	-0.020	0.210	0.120	0.211
200.000	0.085	330.451	89.162	200.000	0.004	0.240	0.165	0.240
300.000	0.121	0.491	81.421	300.000	0.042	0.279	0.065	0.282
400.000	0.225	129.185	92.416	399.999	-0.016	0.370	0.271	0.370
500.000	0.358	168.633	130.063	499.997	-0.524	0.623	0.244	0.814
600.000	0.453	205.803	164.264	599.994	-1.213	0.342	0.273	1.260
700.000	0.494	218.545	182.582	699.990	-1.952	-0.088	0.111	1.954
800.000	0.410	228.337	192.646	799.987	-2.622	-0.588	0.187	2.687
900.000	0.475	230.715	200.044	899.983	-3.159	-1.153	0.063	3.363
1000.000	0.338	245.451	206.637	999.981	-3.482	-1.747	0.177	3.896
1100.000	0.303	261.428	212.480	1099.979	-3.646	-2.321	0.079	4.322
1200.000	0.245	280.047	217.815	1199.977	-3.679	-2.855	0.195	4.657
1300.000	0.288	289.137	222.351	1299.976	-3.647	-3.325	0.080	4.935
1400.000	0.168	281.010	226.675	1399.975	-3.569	-3.784	0.120	5.202
1500.000	0.214	268.165	230.365	1499.973	-3.528	-4.259	0.099	5.530
1600.000	0.254	258.319	233.355	1599.972	-3.508	-4.715	0.051	5.877
1700.000	0.228	167.921	233.833	1699.971	-3.612	-4.941	0.318	6.120
1800.000	0.319	144.329	228.239	1799.969	-4.115	-4.609	0.181	6.178
1900.000	0.412	125.346	221.753	1899.966	-4.657	-4.157	0.155	6.243
2000.000	0.600	116.848	213.575	1999.962	-5.260	-3.491	0.147	6.313
2100.000	0.743	120.428	203.587	2099.956	-5.846	-2.552	0.112	6.379
2200.000	0.579	100.884	193.872	2199.949	-6.310	-1.558	0.241	6.499
2300.000	0.765	57.662	184.139	2299.943	-6.155	-0.445	0.529	6.171

2400.000	1.081	43.599	171.716	2399.930	-5.196	0.757	0.422	5.251
2500.000	1.193	28.034	152.167	2499.911	-3.638	1.921	0.345	4.113
2600.000	1.286	30.935	120.847	2599.888	-1.751	2.932	0.175	3.415
2700.000	0.991	19.976	89.145	2699.868	0.056	3.768	0.281	3.769
2800.000	0.813	19.595	69.720	2799.852	1.656	4.481	0.291	4.777
2900.000	0.768	19.037	58.835	2899.842	2.993	4.949	0.047	5.783
3000.000	0.623	10.806	50.946	2999.836	4.106	5.061	0.180	6.517
3100.000	0.661	347.013	44.259	3099.830	5.153	5.021	0.159	7.195
3200.000	0.596	358.782	38.313	3199.824	6.215	4.911	0.124	7.921
3300.000	0.471	317.840	33.352	3299.820	7.040	4.634	0.387	8.428
3400.000	1.523	294.538	25.254	3399.812	7.580	3.576	1.147	8.381
3500.000	1.046	293.281	14.291	3499.799	8.127	2.070	0.176	8.387
3600.000	0.800	327.760	6.572	3599.788	9.111	1.050	0.652	9.172
3700.000	0.716	324.963	1.784	3699.779	10.268	0.320	0.097	10.273
3800.000	0.818	322.188	357.648	3799.770	11.342	-0.466	0.027	11.352
3900.000	0.888	303.073	352.755	3899.760	12.198	-1.551	0.292	12.296
4000.000	0.749	306.063	349.150	3999.750	13.123	-2.515	0.177	13.362
4100.000	0.693	304.366	345.633	4099.742	13.859	-3.550	0.186	14.307
4200.000	0.434	291.292	343.204	4199.738	14.251	-4.301	0.152	14.886
4300.000	0.335	299.466	341.540	4299.736	14.497	-4.839	0.097	15.283
4400.000	0.442	313.738	340.012	4399.734	14.726	-5.356	0.124	15.670
4500.000	0.173	290.338	338.930	4499.732	15.086	-5.812	0.186	16.167
4600.000	0.912	317.038	337.296	4599.728	15.600	-6.527	0.623	16.911
4700.000	1.745	334.964	337.474	4699.693	17.958	-7.448	0.925	19.442
4800.000	1.927	8.725	339.777	4799.639	21.152	-7.792	1.191	22.542
4900.000	1.830	354.988	342.967	4899.580	24.534	-7.516	0.487	25.660
5000.000	1.352	356.352	344.826	4999.541	27.263	-7.394	0.481	28.248
5100.000	1.031	341.129	345.536	5099.521	29.239	-7.542	0.491	30.196
5200.000	0.899	334.505	344.896	5199.507	30.716	-8.290	0.153	31.815
5300.000	0.820	334.664	344.148	5299.499	31.756	-9.017	0.117	33.011
5400.000	0.718	336.751	343.603	5399.489	32.962	-9.699	0.111	34.359
5500.000	0.950	329.030	343.143	5499.478	34.214	-10.367	0.274	35.750
5600.000	0.924	343.295	342.922	5599.468	35.550	-10.922	0.207	37.190
5700.000	0.511	322.644	342.557	5699.461	36.491	-11.466	0.543	38.250
5800.000	0.105	242.824	342.044	5799.460	36.604	-11.862	0.656	38.478
5900.000	0.079	165.582	341.641	5899.459	36.537	-12.125	0.178	38.496
6000.000	0.090	84.451	341.636	5999.458	36.588	-12.145	0.114	38.551
6100.000	0.575	38.974	342.027	6099.457	36.841	-11.951	0.414	38.731
6200.000	0.576	32.123	342.887	6199.452	37.614	-11.581	0.137	39.356
6300.000	0.957	26.889	344.214	6299.443	38.836	-10.979	0.333	40.358
6400.000	1.107	33.394	345.944	6399.429	40.141	-10.050	0.200	41.380
6500.000	1.403	37.689	348.184	6499.406	41.852	-8.755	0.336	42.758
6600.000	1.250	42.390	350.718	6599.377	43.593	-7.124	0.337	44.171
6700.000	1.123	41.612	353.123	6699.349	45.234	-5.456	0.087	45.561
6800.000	1.067	62.792	355.444	6799.323	46.633	-3.716	0.380	46.780
6900.000	1.240	46.435	357.798	6899.299	47.654	-1.832	0.357	47.689
7000.000	1.262	72.983	359.816	6999.281	48.386	-0.155	0.595	48.387
7100.000	0.815	104.648	1.746	7099.267	48.344	1.474	0.683	48.366
7200.000	0.891	129.118	3.336	7199.256	47.809	2.787	0.432	47.890

