

GyroTracer Directional:

Date: 9/13/2018
 Operator : Adrian Bruner
 API: 05-123-23128
 Well Name: **Mile High Sheep 8-33**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 6900.00
 Total Well Depth: 7201.00
 Latitude : 40.495653 N
 Longitude : 104.581523 W
 Grid Offset : 0.59

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

Northing: 0.00 Easting: 0.00 Altitude: 4763.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 9/13/2018 8:27

End Time: 9/13/2018 9:40

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	0.040	9.859	0.000	100.000	0.070	0.000	0.040	0.070
200.000	0.179	283.168	283.466	199.999	0.060	-0.250	0.185	0.257
300.000	0.271	220.352	265.261	299.998	-0.051	-0.620	0.260	0.623
400.000	0.093	288.126	258.482	399.997	-0.187	-0.916	0.286	0.935
500.000	0.421	257.552	258.666	499.996	-0.259	-1.291	0.331	1.316
600.000	0.247	191.229	251.989	599.996	-0.475	-1.460	0.331	1.535
700.000	0.092	326.719	244.141	699.995	-0.709	-1.463	0.309	1.626
800.000	0.035	26.597	238.662	799.994	-0.920	-1.511	0.290	1.769
900.000	0.219	184.932	236.570	899.993	-1.089	-1.649	0.220	1.976
1000.000	0.138	231.000	232.615	999.993	-1.314	-1.720	0.309	2.165
1100.000	0.173	223.753	228.604	1099.991	-1.547	-1.755	0.058	2.339
1200.000	0.325	179.165	222.969	1199.991	-1.845	-1.719	0.220	2.522
1300.000	0.253	115.835	214.319	1299.990	-2.152	-1.469	0.259	2.605
1400.000	0.420	85.016	201.544	1399.987	-2.433	-0.961	0.257	2.616
1500.000	0.401	80.985	187.729	1499.985	-2.560	-0.347	0.255	2.583
1600.000	0.713	103.647	173.054	1599.982	-2.600	0.317	0.348	2.619
1700.000	0.382	96.785	157.288	1699.979	-2.563	1.073	0.300	2.779
1800.000	0.377	71.554	144.257	1799.976	-2.491	1.792	0.152	3.069
1900.000	0.321	72.657	133.530	1899.973	-2.369	2.494	0.081	3.439
2000.000	0.521	84.227	125.980	1999.970	-2.395	3.299	0.181	4.076
2100.000	0.741	111.122	121.887	2099.965	-2.624	4.218	0.364	4.967
2200.000	0.506	106.848	119.440	2199.958	-2.992	5.301	0.225	6.087
2300.000	0.825	110.668	117.817	2299.951	-3.382	6.409	0.282	7.247

2400.000	0.636	85.257	114.208	2399.941	-3.504	7.793	0.283	8.545
2500.000	0.773	93.109	111.588	2499.931	-3.622	9.154	0.129	9.844
2600.000	0.816	88.420	108.183	2599.922	-3.458	10.527	0.096	11.080
2700.000	0.844	67.599	103.879	2699.912	-2.919	11.813	0.348	12.169
2800.000	0.739	58.917	100.069	2799.902	-2.319	13.059	0.167	13.263
2900.000	0.700	66.233	97.070	2899.893	-1.770	14.272	0.119	14.381
3000.000	0.755	66.534	94.576	2999.884	-1.238	15.468	0.007	15.517
3100.000	0.670	56.930	92.345	3099.877	-0.676	16.508	0.121	16.522
3200.000	0.499	57.943	90.500	3199.871	-0.152	17.488	0.166	17.489
3300.000	0.569	67.847	89.056	3299.865	0.303	18.412	0.086	18.414
3400.000	0.251	0.959	87.928	3399.863	0.680	18.807	0.561	18.820
3500.000	0.351	247.695	87.859	3499.862	0.690	18.464	0.437	18.477
3600.000	0.215	213.359	88.444	3599.861	0.492	18.098	0.215	18.105
3700.000	0.254	255.314	89.044	3699.860	0.296	17.755	0.181	17.758
3800.000	0.349	215.933	89.973	3799.859	0.008	17.447	0.245	17.447
3900.000	0.332	198.247	91.038	3899.858	-0.313	17.297	0.102	17.300
4000.000	0.294	156.449	92.581	3999.857	-0.779	17.284	0.210	17.302
4100.000	0.361	153.715	94.453	4099.855	-1.360	17.464	0.030	17.517
4200.000	0.599	169.489	96.754	4199.851	-2.102	17.749	0.258	17.873
4300.000	1.215	153.047	100.793	4299.840	-3.486	18.288	0.715	18.617
4400.000	1.439	145.836	105.943	4399.813	-5.524	19.339	0.218	20.113
4500.000	1.405	150.913	110.440	4499.780	-7.700	20.660	0.135	22.048
4600.000	1.768	137.255	113.637	4599.741	-9.817	22.431	0.513	24.485
4700.000	2.242	117.236	115.101	4699.680	-11.838	25.271	0.797	27.906
4800.000	2.525	110.499	115.338	4799.592	-13.721	28.978	0.360	32.062
4900.000	2.709	101.243	113.847	4899.485	-14.789	33.457	0.482	36.580
5000.000	2.552	99.092	112.240	4999.372	-15.595	38.140	0.192	41.205
5100.000	2.413	96.324	110.857	5099.263	-16.253	42.659	0.245	45.650
5200.000	2.030	87.514	109.478	5199.191	-16.431	46.456	0.469	49.276
5300.000	1.665	96.978	108.350	5299.140	-16.464	49.638	0.529	52.298
5400.000	1.607	100.927	107.795	5399.098	-16.847	52.490	0.144	55.127
5500.000	1.770	104.583	107.564	5499.054	-17.523	55.359	0.179	58.066
5600.000	1.417	106.589	107.286	5599.014	-18.092	58.137	0.339	60.887
5700.000	1.314	99.704	107.037	5698.987	-18.501	60.375	0.199	63.146
5800.000	1.117	104.827	107.008	5798.966	-19.076	62.365	0.219	65.217
5900.000	1.017	128.776	107.266	5898.949	-19.893	64.001	0.448	67.021
6000.000	0.998	127.011	107.689	5998.934	-20.859	65.402	0.058	68.648
6100.000	0.999	127.913	108.202	6098.918	-21.963	66.794	0.042	70.312
6200.000	0.864	129.482	108.937	6198.901	-23.322	67.977	0.028	71.866
6300.000	1.095	139.850	109.530	6298.887	-24.530	69.157	0.234	73.378
6400.000	1.117	123.575	109.966	6398.869	-25.668	70.652	0.299	75.170
6500.000	1.177	130.819	110.425	6498.847	-26.927	72.307	0.174	77.158
6600.000	1.406	128.124	110.971	6598.818	-28.416	74.140	0.120	79.399
6700.000	1.560	129.065	111.589	6698.785	-30.105	76.078	0.194	81.818
6800.000	1.366	140.551	112.045	6798.751	-31.633	78.116	0.333	84.278
6900.000	0.740	139.180	112.674	6898.728	-33.219	79.512	0.664	86.173