

GyroTracer Directional:

Date: 9/17/2018
 Operator : Adrian Bruner
 API: 05-123-25131
 Well Name: **Wells Ranch USX BB 15-25**
 Field : Noble Energy Inc
 Tool Type And Number: 1717
 Bottom Depth : 6600.00
 Total Well Depth: 6806.00
 Latitude : 40.396064 N
 Longitude : 104.4268 W
 Grid Offset : 0.69

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

Northing: 0.00 Easting: 0.00 Altitude: 4658.00

Description:

Azimuth measured in degrees and referenced to local grid

Inclination measured from Vertical

Length measured in US survey feet

Start Time: 9/17/2018 13:47

End Time: 9/17/2018 14:53

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	0.390	132.595	102.619	100.000	-0.150	0.670	0.390	0.687
200.000	1.237	179.683	152.357	199.982	-1.907	0.999	1.009	2.153
300.000	1.206	165.112	162.431	299.955	-4.164	1.318	0.312	4.368
400.000	1.009	160.785	163.212	399.935	-6.057	1.827	0.174	6.327
500.000	1.104	148.641	161.821	499.920	-7.672	2.519	0.199	8.075
600.000	0.987	130.012	158.158	599.901	-9.162	3.672	0.368	9.870
700.000	1.095	124.889	154.509	699.883	-10.494	5.004	0.126	11.626
800.000	0.888	120.888	150.615	799.864	-11.628	6.548	0.229	13.345
900.000	1.229	119.386	147.550	899.845	-12.769	8.119	0.079	15.132
1000.000	0.985	126.288	144.995	999.825	-13.894	9.730	0.271	16.962
1100.000	1.079	111.204	142.399	1099.807	-14.759	11.367	0.302	18.629
1200.000	0.948	110.877	139.756	1199.792	-15.326	12.972	0.068	20.079
1300.000	1.241	102.536	137.560	1299.777	-15.939	14.575	0.288	21.598
1400.000	0.944	113.641	135.341	1399.762	-16.427	16.232	0.341	23.094
1500.000	0.986	111.856	133.203	1499.746	-16.822	17.911	0.048	24.572
1600.000	0.746	101.500	131.258	1599.733	-17.063	19.451	0.438	25.875
1700.000	0.947	100.934	129.774	1699.722	-17.382	20.882	0.235	27.170
1800.000	0.899	107.646	128.193	1799.711	-17.590	22.358	0.168	28.448
1900.000	1.002	103.798	126.624	1899.698	-17.773	23.911	0.108	29.793
2000.000	0.596	133.547	125.612	1999.687	-18.119	25.296	0.511	31.116
2100.000	0.602	116.572	125.298	2099.678	-18.752	26.487	0.357	32.453
2200.000	0.963	150.463	125.812	2199.667	-19.795	27.434	0.596	33.830
2300.000	0.961	173.130	127.220	2299.652	-21.337	28.090	0.372	35.275

2400.000	0.994	167.738	128.847	2399.636	-23.067	28.642	0.086	36.775
2500.000	0.685	165.230	130.290	2499.623	-24.561	28.971	0.395	37.981
2600.000	0.475	180.918	131.427	2599.619	-25.453	28.843	0.240	38.468
2700.000	0.494	228.356	132.493	2699.616	-26.088	28.477	0.407	38.621
2800.000	0.524	266.141	133.602	2799.613	-26.568	27.897	0.356	38.524
2900.000	0.491	264.404	134.622	2899.609	-26.673	27.027	0.071	37.972
3000.000	0.835	288.260	135.369	2999.600	-26.202	25.867	0.437	36.819
3100.000	1.013	292.384	136.353	3099.589	-25.699	24.513	0.178	35.515
3200.000	0.511	290.946	137.469	3199.579	-25.278	23.189	0.435	34.303
3300.000	0.630	216.683	138.738	3299.574	-25.560	22.425	0.748	34.003
3400.000	1.029	186.074	140.492	3399.565	-26.820	22.115	0.676	34.762
3500.000	1.141	184.882	142.722	3499.544	-28.810	21.930	0.149	36.207
3600.000	1.113	191.455	145.043	3599.521	-30.909	21.608	0.135	37.713
3700.000	1.175	187.966	147.120	3699.498	-33.052	21.366	0.055	39.357
3800.000	1.086	190.657	148.564	3799.480	-34.934	21.354	0.097	40.944
3900.000	0.702	196.216	149.917	3899.468	-36.406	21.089	0.311	42.073
4000.000	0.451	225.413	151.346	3999.460	-37.437	20.457	0.410	42.662
4100.000	0.748	247.781	152.999	4099.452	-38.181	19.455	0.245	42.852
4200.000	0.837	256.199	154.961	4199.441	-38.674	18.066	0.159	42.685
4300.000	1.510	230.810	157.612	4299.419	-39.703	16.355	0.855	42.940
4400.000	1.245	273.774	160.655	4399.391	-40.664	14.276	1.085	43.097
4500.000	2.580	310.599	163.478	4499.338	-39.065	11.588	1.755	40.747
4600.000	3.083	313.255	167.487	4599.205	-35.503	7.879	0.536	36.367
4700.000	2.220	327.946	172.349	4699.079	-32.058	4.307	1.105	32.346
4800.000	2.072	328.286	175.648	4798.997	-28.624	2.178	0.470	28.707
4900.000	1.773	334.115	178.980	4898.932	-25.457	0.453	0.336	25.462
5000.000	1.482	355.917	181.144	4998.891	-22.825	-0.456	0.687	22.830
5100.000	0.606	36.158	180.460	5098.877	-21.287	-0.171	1.095	21.288
5200.000	0.838	105.876	177.859	5198.871	-21.198	0.792	0.831	21.213
5300.000	1.063	87.188	173.476	5298.857	-21.484	2.457	0.363	21.624
5400.000	1.131	92.082	168.679	5398.839	-21.387	4.282	0.115	21.812
5500.000	1.090	77.488	163.737	5498.821	-21.125	6.163	0.281	22.005
5600.000	1.393	65.161	158.585	5598.801	-20.574	8.069	0.420	22.100
5700.000	1.355	31.204	153.224	5698.776	-19.010	9.593	0.804	21.294
5800.000	1.572	34.239	146.764	5798.737	-16.572	10.859	0.249	19.813
5900.000	1.773	16.686	138.620	5898.691	-13.905	12.250	0.537	18.531
6000.000	1.059	8.199	132.684	5998.662	-11.583	12.560	0.692	17.086
6100.000	0.669	19.859	127.952	6098.649	-10.090	12.936	0.498	16.406
6200.000	0.890	59.703	123.665	6198.641	-9.190	13.798	0.585	16.579
6300.000	0.916	63.484	119.463	6298.630	-8.511	15.066	0.046	17.304
6400.000	0.792	51.771	114.610	6398.616	-7.495	16.363	0.263	17.998
6500.000	1.002	48.425	109.907	6498.603	-6.331	17.482	0.179	18.593
6600.000	0.920	61.960	104.886	6598.587	-4.893	18.408	0.210	19.047

