



Company: Noble Energy

Rig: Production/Core-Tech

API # 05-123-11514

Date: 4/1/2014

Surveyor: Mark Simmonds

VS: 0.000

Lat : 40.45907

Long: -104.52

Well: DCD Farms 2-26

Location: Weld County, Colorado

North Reference: Grid

Convergence: 0.63 Degrees East To True North

Declination: 8.36

Depth Reference: RKB = Ground Level

Elevation: 4637

Total Depth as Drilled: 6986

Lat & Long obtained by handheld GPS at wellhead

MS Gyro Survey Calculations

Depth	Inc	AzG	N/-S	E/-W	TVD	DL	VS	CD	Cbrg
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.000	0.183	168.131	-0.156	0.033	100.000	0.183	-0.156	0.160	168.131
200.000	0.334	216.174	-0.548	-0.106	199.999	0.251	-0.548	0.558	190.957
300.000	0.335	169.850	-1.071	-0.227	299.997	0.263	-1.071	1.094	191.946
400.000	0.410	164.453	-1.703	-0.079	399.995	0.083	-1.703	1.705	182.658
500.000	0.321	199.974	-2.311	-0.079	499.993	0.239	-2.311	2.313	181.951
600.000	0.457	178.517	-2.973	-0.164	599.991	0.197	-2.973	2.978	183.158
700.000	0.431	181.531	-3.748	-0.164	699.988	0.035	-3.748	3.752	182.502
800.000	0.333	205.008	-4.388	-0.297	799.986	0.183	-4.388	4.398	183.869
900.000	0.204	180.273	-4.830	-0.421	899.985	0.171	-4.830	4.848	184.977
1000.000	0.420	197.907	-5.357	-0.534	999.983	0.234	-5.357	5.384	185.694
1100.000	0.457	201.638	-6.076	-0.794	1099.980	0.046	-6.076	6.128	187.443
1200.000	0.503	193.587	-6.873	-1.044	1199.977	0.081	-6.873	6.952	188.635
1300.000	0.450	173.663	-7.689	-1.104	1299.973	0.173	-7.689	7.768	188.167
1400.000	0.550	197.294	-8.538	-1.203	1399.970	0.227	-8.538	8.622	188.020
1500.000	0.800	197.700	-9.661	-1.558	1499.963	0.250	-9.661	9.786	189.161
1600.000	0.691	175.355	-10.928	-1.722	1599.954	0.308	-10.928	11.063	188.952
1700.000	0.749	186.700	-12.179	-1.749	1699.947	0.154	-12.179	12.304	188.172
1800.000	0.676	181.209	-13.417	-1.838	1799.939	0.100	-13.417	13.543	187.799
1900.000	0.651	187.103	-14.570	-1.920	1899.932	0.073	-14.570	14.696	187.508
2000.000	0.623	231.945	-15.469	-2.419	1999.927	0.486	-15.469	15.657	188.886
2100.000	0.582	211.799	-16.235	-3.114	2099.921	0.215	-16.235	16.531	190.857
2200.000	0.646	242.861	-16.924	-3.883	2199.916	0.334	-16.924	17.363	192.922
2300.000	0.511	234.088	-17.442	-4.745	2299.911	0.161	-17.442	18.076	195.220
2400.000	0.590	229.841	-18.036	-5.500	2399.906	0.089	-18.036	18.856	196.959
2500.000	0.542	231.502	-18.662	-6.263	2499.901	0.051	-18.662	19.685	198.553
2600.000	0.553	251.098	-19.113	-7.090	2599.897	0.187	-19.113	20.385	200.352
2700.000	0.611	234.899	-19.575	-7.982	2699.892	0.174	-19.575	21.140	202.185
2800.000	0.636	270.641	-19.876	-8.973	2799.886	0.383	-19.876	21.807	204.297
2900.000	0.912	269.312	-19.879	-10.324	2899.877	0.277	-19.879	22.400	207.444
3000.000	0.745	244.665	-20.167	-11.707	2999.867	0.390	-20.167	23.318	210.135
3100.000	0.821	257.115	-20.604	-12.993	3099.857	0.186	-20.604	24.359	212.234
3200.000	0.993	255.497	-20.981	-14.529	3199.845	0.174	-20.981	25.521	214.703
3300.000	1.059	265.568	-21.270	-16.289	3299.829	0.192	-21.270	26.791	217.447
3400.000	0.955	272.349	-21.307	-18.043	3399.813	0.158	-21.307	27.920	220.259

3500.000	0.864	290.592	-21.008	-19.582	3499.801	0.302	-21.008	28.719	222.988
3600.000	0.777	302.296	-20.380	-20.861	3599.791	0.188	-20.380	29.164	225.668
3700.000	0.704	303.422	-19.679	-21.947	3699.782	0.074	-19.679	29.478	228.119
3800.000	0.268	288.809	-19.265	-22.682	3799.779	0.450	-19.265	29.759	229.657
3900.000	0.543	298.662	-18.962	-23.319	3899.776	0.282	-18.962	30.056	230.884
4000.000	0.321	274.438	-18.713	-24.015	3999.773	0.283	-18.713	30.445	232.073
4100.000	0.387	278.521	-18.641	-24.628	4099.771	0.070	-18.641	30.888	232.877
4200.000	1.031	273.469	-18.537	-25.860	4199.763	0.647	-18.537	31.818	234.366
4300.000	1.127	271.466	-18.457	-27.741	4299.745	0.103	-18.457	33.320	236.363
4400.000	1.200	270.916	-18.416	-29.771	4399.725	0.074	-18.416	35.006	238.260
4500.000	0.953	253.787	-18.631	-31.616	4499.707	0.403	-18.631	36.697	239.490
4600.000	1.092	216.720	-19.627	-32.985	4599.692	0.663	-19.627	38.382	239.246
4700.000	1.040	213.168	-21.151	-34.051	4699.675	0.084	-21.151	40.085	238.154
4800.000	0.902	215.005	-22.555	-34.999	4799.661	0.142	-22.555	41.637	237.200
4900.000	0.934	190.576	-24.001	-35.600	4899.648	0.390	-24.001	42.935	236.013
5000.000	0.758	202.421	-25.414	-36.002	4999.637	0.248	-25.414	44.068	234.782
5100.000	0.574	193.872	-26.511	-36.374	5099.631	0.209	-26.511	45.010	233.914
5200.000	0.526	205.896	-27.410	-36.695	5199.626	0.125	-27.410	45.802	233.241
5300.000	0.113	291.724	-27.786	-36.987	5299.625	0.530	-27.786	46.261	233.084
5400.000	0.410	69.066	-27.622	-36.744	5399.624	0.499	-27.622	45.969	233.067
5500.000	0.253	165.599	-27.708	-36.355	5499.623	0.506	-27.708	45.710	232.688
5600.000	0.268	148.062	-28.120	-36.176	5599.622	0.081	-28.120	45.820	232.142
5700.000	0.674	338.963	-27.770	-36.264	5699.620	0.939	-27.770	45.675	232.556
5800.000	0.890	344.067	-26.474	-36.688	5799.611	0.226	-26.474	45.242	234.187
5900.000	0.554	19.600	-25.271	-36.739	5899.603	0.544	-25.271	44.592	235.478
6000.000	0.581	342.400	-24.333	-36.730	5999.598	0.363	-24.333	44.059	236.477
6100.000	0.671	346.944	-23.279	-37.016	6099.592	0.103	-23.279	43.727	237.834
6200.000	0.229	327.279	-22.540	-37.256	6199.589	0.462	-22.540	43.544	238.826
6300.000	0.647	309.332	-22.015	-37.801	6299.586	0.434	-22.015	43.744	239.784
6400.000	0.631	258.833	-21.763	-38.777	6399.581	0.545	-21.763	44.467	240.697
6500.000	0.916	309.788	-21.358	-39.931	6499.572	0.714	-21.358	45.285	241.859
6600.000	1.307	329.007	-19.869	-41.133	6599.554	0.535	-19.869	45.680	244.217
6700.000	1.122	317.111	-18.174	-42.387	6699.531	0.311	-18.174	46.119	246.792