



Company: Encana Oil & Gas
Rig: Production / V.E.S.
Latitude: 40.127
Longitude: -105.002
API # 05-123-09360
Date: 6/28/13

Well: Kennedy Gas Unit 1
Location: Weld County, CO.
North Reference: True North
Depth Reference: Ground Level
Surveyor: Norman Cowan
VS: 0.000

HA 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
100.000	0.516	124.577	-0.255	0.371	99.999	0.516	-0.255	0.450	124.577
200.000	0.547	171.522	-0.983	0.811	199.995	0.424	-0.983	1.275	140.469
300.000	0.372	183.302	-1.780	0.863	299.992	0.198	-1.780	1.978	154.128
400.000	0.482	189.814	-2.518	0.773	399.989	0.120	-2.518	2.634	162.939
500.000	0.571	122.135	-3.197	1.123	499.985	0.591	-3.197	3.389	160.647
600.000	0.520	209.144	-3.859	1.324	599.982	0.752	-3.859	4.079	161.061
700.000	0.732	245.017	-4.524	0.524	699.977	0.435	-4.524	4.555	173.387
800.000	0.801	241.618	-5.126	-0.669	799.968	0.083	-5.126	5.170	187.440
900.000	0.922	245.203	-5.796	-2.015	899.956	0.132	-5.796	6.137	199.170
1000.000	0.975	257.318	-6.320	-3.575	999.943	0.207	-6.320	7.262	209.496
1100.000	0.473	217.119	-6.836	-4.654	1099.935	0.685	-6.836	8.270	214.249
1200.000	0.753	240.481	-7.489	-5.475	1199.929	0.370	-7.489	9.277	216.171
1300.000	0.735	222.947	-8.282	-6.484	1299.921	0.227	-8.282	10.518	218.057
1400.000	0.854	274.824	-8.689	-7.663	1399.913	0.703	-8.689	11.586	221.411
1500.000	0.964	247.348	-8.950	-9.182	1499.901	0.445	-8.950	12.823	225.731
1600.000	0.766	287.411	-9.074	-10.596	1599.890	0.621	-9.074	13.951	229.425
1700.000	0.864	245.948	-9.181	-11.923	1699.881	0.584	-9.181	15.049	232.402
1800.000	1.018	272.133	-9.456	-13.500	1799.868	0.452	-9.456	16.482	234.991
1900.000	1.038	305.072	-8.902	-15.129	1899.852	0.583	-8.902	17.554	239.526
2000.000	0.695	266.052	-8.423	-16.475	1999.842	0.663	-8.423	18.503	242.920
2100.000	0.756	310.808	-8.034	-17.579	2099.834	0.555	-8.034	19.328	245.439
2200.000	0.083	80.250	-7.590	-18.008	2199.832	0.811	-7.590	19.542	247.144
2300.000	0.168	15.859	-7.437	-17.896	2299.831	0.152	-7.437	19.380	247.434
2400.000	0.397	319.713	-7.032	-18.081	2399.830	0.334	-7.032	19.400	248.748
2500.000	0.300	136.098	-6.956	-18.123	2499.830	0.696	-6.956	19.412	249.002
2600.000	0.490	301.119	-6.924	-18.308	2599.829	0.783	-6.924	19.573	249.284
2700.000	0.274	174.123	-6.941	-18.649	2699.827	0.690	-6.941	19.899	249.586
2800.000	0.131	31.380	-7.081	-18.565	2799.827	0.387	-7.081	19.869	249.123
2900.000	0.737	250.609	-7.196	-19.112	2899.825	0.843	-7.196	20.422	249.367
3000.000	0.741	231.284	-7.814	-20.223	2999.817	0.248	-7.814	21.680	248.874
3100.000	0.529	317.041	-7.881	-21.042	3099.812	0.878	-7.881	22.470	249.468
3200.000	0.878	277.985	-7.437	-22.115	3199.805	0.574	-7.437	23.332	251.413
3300.000	0.410	219.106	-7.608	-23.099	3299.799	0.752	-7.608	24.320	251.769
3400.000	0.528	273.052	-7.861	-23.785	3399.796	0.438	-7.861	25.050	251.710
3500.000	1.227	227.000	-8.567	-25.028	3499.785	0.941	-8.567	26.454	251.103
3600.000	1.343	224.472	-10.134	-26.633	3599.760	0.129	-10.134	28.496	249.167
3700.000	1.289	210.128	-11.943	-28.018	3699.734	0.333	-11.943	30.458	246.913

3800.000	1.139	195.166	-13.875	-28.843	3799.712	0.349	-13.875	32.006	244.310
3900.000	0.744	198.229	-15.451	-29.306	3899.698	0.398	-15.451	33.129	242.201
4000.000	0.740	241.906	-16.371	-30.078	3999.690	0.552	-16.371	34.245	241.441
4100.000	0.675	234.877	-17.014	-31.129	4099.683	0.108	-17.014	35.476	241.341
4200.000	0.884	234.143	-17.805	-32.236	4199.673	0.209	-17.805	36.826	241.087
4300.000	0.357	250.954	-18.358	-33.156	4299.667	0.552	-18.358	37.899	241.027
4400.000	0.470	324.238	-18.127	-33.689	4399.665	0.501	-18.127	38.256	241.717
4500.000	0.962	263.003	-17.897	-34.762	4499.658	0.844	-17.897	39.099	242.759
4600.000	0.183	225.842	-18.110	-35.711	4599.653	0.824	-18.110	40.041	243.109
4700.000	0.399	107.496	-18.327	-35.493	4699.652	0.512	-18.327	39.945	242.691
4800.000	0.821	30.807	-17.816	-34.794	4799.647	0.827	-17.816	39.090	242.886
4900.000	0.440	319.154	-16.909	-34.678	4899.642	0.801	-16.909	38.581	244.006
5000.000	0.201	268.255	-16.624	-35.105	4999.641	0.350	-16.624	38.842	244.660
5100.000	1.020	290.639	-16.315	-36.113	5099.634	0.838	-16.315	39.628	245.688
5200.000	0.758	325.736	-15.455	-37.319	5199.623	0.592	-15.455	40.392	247.504
5300.000	0.562	262.263	-14.974	-38.177	5299.617	0.714	-14.974	41.009	248.583
5400.000	0.397	43.491	-14.789	-38.425	5399.616	0.907	-14.789	41.173	248.949
5500.000	0.848	305.829	-14.104	-38.787	5499.612	0.984	-14.104	41.272	250.017
5600.000	0.788	307.931	-13.249	-39.929	5599.602	0.068	-13.249	42.070	251.644
5700.000	0.526	273.892	-12.795	-40.929	5699.595	0.459	-12.795	42.883	252.640
5800.000	0.210	328.368	-12.608	-41.483	5799.593	0.439	-12.608	43.357	253.095
5900.000	1.170	300.972	-11.926	-42.455	5899.585	0.988	-11.926	44.098	254.310
6000.000	0.817	256.814	-11.563	-44.025	5999.571	0.815	-11.563	45.518	255.284
6100.000	0.677	255.643	-11.872	-45.291	6099.563	0.141	-11.872	46.821	255.311
6200.000	0.144	217.020	-12.119	-45.939	6199.560	0.571	-12.119	47.510	255.221
6300.000	0.872	3.550	-11.460	-45.967	6299.556	0.996	-11.460	47.374	256.001
6400.000	0.459	58.102	-10.488	-45.580	6399.550	0.712	-10.488	46.771	257.041
6500.000	0.650	338.340	-9.749	-45.449	6499.547	0.726	-9.749	46.483	257.893
6600.000	0.979	314.025	-8.628	-46.273	6599.537	0.471	-8.628	47.071	259.438
6700.000	1.031	332.829	-7.234	-47.298	6699.522	0.332	-7.234	47.848	261.305
6800.000	0.861	29.096	-5.777	-47.344	6799.510	0.905	-5.777	47.695	263.043
6900.000	0.469	118.826	-5.317	-46.620	6899.505	0.979	-5.317	46.922	263.493
7000.000	1.417	202.938	-6.654	-46.743	6999.493	1.446	-6.654	47.214	261.899
7100.000	1.203	239.616	-8.323	-48.130	7099.469	0.849	-8.323	48.844	260.189
7200.000	1.053	194.875	-9.742	-49.271	7199.451	0.870	-9.742	50.225	258.816
7300.000	0.264	255.788	-10.687	-49.730	7299.445	0.953	-10.687	50.866	257.872
7400.000	0.764	174.294	-11.406	-49.887	7399.441	0.770	-11.406	51.175	257.121
7500.000	1.372	154.793	-13.153	-49.311	7499.424	0.700	-13.153	51.035	255.065
7600.000	0.580	186.064	-14.739	-48.855	7599.409	0.927	-14.739	51.029	253.212
7700.000	0.221	45.392	-15.106	-48.771	7699.408	0.764	-15.106	51.057	252.790
7800.000	0.740	211.748	-15.520	-48.973	7799.405	0.956	-15.520	51.373	252.416
7900.000	0.678	279.793	-15.968	-49.895	7899.399	0.795	-15.968	52.388	252.254