

Gyroscopic Survey Report for:

ANADARKO

API: 05-123-15305

Well Location: WELD COUNTY, CO

Well Name: MILLER2-14

Rig Number: CORETECH 2

Survey Date: 3/6/2014

Coordinates 40.2289520°N -104.964437°W

North Reference: True North

Grid Correction: None

Depth Reference: GROUND LEVEL (4887.00 ft)

Calculation Method: Minimum Curvature

Section (VS) Ref: 0.00N (ft), 0.00E (ft), 318.98Azim (deg)

Definitive Survey: MILLER2-14

Operator(s): C JAQUES

Measure			True							
d Depth	Inclination	Azimuth	Vertical	Vertical	+N/-S	+E/-W	Dogleg	Closure	Closure	
ft	deg	deg	Depth	Section	ft	ft	Severity	Distance	Direction	
			ft	ft			°/100ft	ft	deg	
0	0	0	0	0	0	0	0 Invalid	0	0	
100	0.14	52.59	100	-0.01	0.07	0.1	0.14	0.12	52.59	
200	0.1	68.16	200	-0.04	0.18	0.27	0.05	0.33	56.61	
300	0.23	313.21	300	0.13	0.35	0.2	0.29	0.41	30.17	
400	0.33	286.93	400	0.58	0.57	-0.22	0.16	0.61	339.06	
500	0.51	245.61	500	0.95	0.47	-0.9	0.34	1.02	297.56	
600	0.31	245.89	599.99	1.16	0.17	-1.56	0.2	1.57	276.36	
700	0.56	254.06	699.99	1.44	-0.07	-2.28	0.25	2.28	268.2	
800	0.6	239.91	799.99	1.75	-0.47	-3.2	0.15	3.23	261.69	
900	0.47	272.12	899.98	2.13	-0.71	-4.06	0.32	4.12	260.02	
1000	0.73	261.06	999.98	2.74	-0.8	-5.09	0.28	5.15	261.1	
1100	0.73	256.47	1099.97	3.37	-1.04	-6.33	0.06	6.42	260.64	
1200	0.44	260.42	1199.96	3.86	-1.26	-7.32	0.29	7.43	260.27	
1300	0.61	286.05	1299.96	4.5	-1.17	-8.21	0.29	8.29	261.88	
1400	0.48	283.64	1399.95	5.29	-0.92	-9.13	0.13	9.18	264.22	
1500	0.71	283.97	1499.95	6.14	-0.68	-10.13	0.23	10.16	266.18	
1600	0.38	287.1	1599.94	6.92	-0.43	-11.05	0.33	11.05	267.76	
1700	0.2	267.2	1699.94	7.31	-0.34	-11.53	0.2	11.54	268.29	
1800	0.29	303.53	1799.94	7.66	-0.21	-11.91	0.17	11.92	268.97	
1900	0.08	264.43	1899.94	7.94	-0.08	-12.19	0.23	12.19	269.61	
2000	0.48	329.99	1999.94	8.39	0.27	-12.47	0.45	12.47	271.26	
2100	0.52	337.03	2099.94	9.24	1.06	-12.86	0.08	12.9	274.7	
2200	0.18	105.64	2199.93	9.54	1.43	-12.89	0.65	12.97	276.35	
2300	0.09	187.1	2299.93	9.35	1.31	-12.74	0.19	12.81	275.88	
2400	0.21	297.91	2399.93	9.47	1.32	-12.91	0.25	12.98	275.82	
2500	0.21	324.31	2499.93	9.82	1.55	-13.18	0.1	13.27	276.7	
2600	0.22	293.86	2599.93	10.17	1.78	-13.46	0.11	13.58	277.51	

2700	0.5	270.1	2699.93	10.64	1.85	-14.08	0.31	14.2	277.5
2800	0.84	288.88	2799.92	11.56	2.09	-15.21	0.4	15.35	277.83
2900	0.7	301.91	2899.91	12.78	2.65	-16.42	0.22	16.63	279.17
3000	0.68	295.11	2999.91	13.91	3.23	-17.48	0.08	17.77	280.46
3100	0.78	305.79	3099.9	15.11	3.88	-18.57	0.16	18.97	281.79
3200	1.3	329.39	3199.88	16.89	5.25	-19.7	0.67	20.39	284.93
3300	1.42	347.71	3299.86	19.1	7.44	-20.54	0.45	21.85	289.91
3400	1.36	2.63	3399.83	21.04	9.84	-20.75	0.37	22.97	295.37
3500	1.6	9.5	3499.79	22.79	12.4	-20.47	0.3	23.93	301.22
3600	1.73	1.53	3599.75	24.79	15.29	-20.19	0.27	25.33	307.13
3700	1.51	356.32	3699.71	26.95	18.12	-20.24	0.27	27.16	311.83
3800	1.18	355.59	3799.68	28.82	20.45	-20.4	0.33	28.89	315.07
3900	1.01	16.24	3899.67	30.13	22.33	-20.24	0.43	30.13	317.81
4000	1.07	31.29	3999.65	30.89	23.97	-19.5	0.28	30.9	320.86
4100	1.02	35.8	4099.63	31.37	25.49	-18.5	0.1	31.49	324.03
4200	0.88	31.47	4199.62	31.81	26.87	-17.58	0.16	32.1	326.8
4300	0.96	29.49	4299.61	32.32	28.25	-16.76	0.09	32.85	329.31
4400	0.61	65.98	4399.6	32.44	29.19	-15.87	0.6	33.23	331.48
4500	0.62	119.94	4499.59	31.78	29.14	-14.92	0.55	32.74	332.89
4600	0.7	106.18	4599.59	30.76	28.7	-13.87	0.18	31.88	334.21
4700	0.22	132.79	4699.58	30.06	28.4	-13.14	0.51	31.3	335.17
4800	0.23	85.33	4799.58	29.74	28.29	-12.8	0.18	31.05	335.66
4900	0.26	265.19	4899.58	29.76	28.29	-12.82	0.5	31.06	335.61
5000	0.14	242.12	4999.58	29.92	28.21	-13.16	0.14	31.13	334.99
5100	0.28	248.98	5099.58	30.03	28.06	-13.5	0.14	31.14	334.31
5200	0.3	248.36	5199.58	30.2	27.88	-13.97	0.02	31.18	333.38
5300	0.51	276.92	5299.58	30.62	27.84	-14.66	0.29	31.46	332.23
5400	0.56	339.64	5399.57	31.41	28.35	-15.27	0.56	32.2	331.69
5500	0.56	305.78	5499.57	32.35	29.09	-15.84	0.33	33.13	331.43
5600	0.97	250.27	5599.56	33.13	29.09	-17.04	0.8	33.71	329.65
5700	0.9	258.49	5699.55	33.83	28.65	-18.6	0.15	34.16	327
5800	0.48	212.15	5799.54	34.09	28.14	-19.59	0.67	34.29	325.15
5900	0.2	250.97	5899.54	34.04	27.73	-19.98	0.35	34.18	324.22
6000	0.31	220.75	5999.54	34.06	27.47	-20.33	0.17	34.17	323.5
6100	0.22	288.4	6099.54	34.19	27.32	-20.69	0.31	34.27	322.86
6200	0.24	305.78	6199.54	34.56	27.5	-21.04	0.07	34.63	322.58
6300	0.3	331.12	6299.53	35.02	27.86	-21.34	0.13	35.09	322.55
6400	0.05	68.6	6399.53	35.27	28.1	-21.43	0.31	35.34	322.67
6500	0.32	278.22	6499.53	35.47	28.16	-21.67	0.36	35.53	322.41
6600	0.27	260.51	6599.53	35.8	28.16	-22.19	0.1	35.85	321.76
6700	0.08	211.25	6699.53	35.91	28.05	-22.46	0.23	35.94	321.32
6800	0.33	252.75	6799.53	36	27.91	-22.77	0.27	36.02	320.78
6900	0.08	293.51	6899.53	36.18	27.85	-23.11	0.28	36.19	320.31
7000	0.1	185.89	6999.53	36.18	27.79	-23.19	0.15	36.19	320.16
7100	0.51	262.64	7099.53	36.37	27.64	-23.64	0.5	36.37	319.46
7150	0.31	254.9	7149.53	36.55	27.58	-23.99	0.41	36.55	318.98