

Gyroscopic Survey Report for:

ANADARKO

API: 05-123-14443
 Well Location: WELD COUNTY, CO
 Well Name: FEHRN 2-28
 Rig Number: CORETECH 2
 Survey Date: 4/4/2014
 COORDINATES: 40.1122740°N -104.785756°W
 North Reference: True North
 Grid Correction: None
 Depth Reference: GROUND LEVEL (4919.00 ft)
 Calculation Method: Minimum Curvature
 Section (VS) Ref: 0.00N (ft), 0.00E (ft), 309.69Azim (deg)
 Definitive Survey: FEHRN 2-28
 Operator(s): C JAQUES

Measured			True							
Depth	Inclination	Azimuth	Vertical	Vertical	+N/-S	+E/-W	Dogleg	Closure	Closure	
ft	deg	deg	ft	Section	ft	ft	Severity	Distance	Direction	
							°/100ft	ft	deg	
0	0	0	0	0	0	0	0 Invalid	0	0	
100	0.55	45.51	100	-0.05	0.34	0.34	0.55	0.48	45.51	
200	0.27	46.59	200	-0.13	0.84	0.86	0.28	1.2	45.73	
300	0.27	51.32	299.99	-0.2	1.15	1.21	0.02	1.67	46.63	
400	0.28	57.16	399.99	-0.32	1.42	1.6	0.03	2.14	48.34	
500	0.4	30.06	499.99	-0.34	1.86	1.98	0.2	2.72	46.81	
600	0.31	33.04	599.99	-0.25	2.4	2.31	0.09	3.33	43.94	
700	0.2	18.59	699.99	-0.15	2.79	2.52	0.13	3.76	42.01	
800	0.26	300.52	799.99	0.13	3.07	2.38	0.29	3.89	37.71	
900	0.11	267.56	899.99	0.43	3.18	2.08	0.18	3.81	33.2	
1000	0.36	272.14	999.99	0.75	3.19	1.67	0.25	3.6	27.63	
1100	0.5	276.67	1099.98	1.37	3.25	0.92	0.14	3.38	15.86	
1200	0.33	272.62	1199.98	1.96	3.32	0.2	0.17	3.32	3.51	
1300	0.56	272.4	1299.98	2.58	3.35	-0.58	0.23	3.4	350.26	
1400	0.56	279.91	1399.97	3.39	3.46	-1.54	0.07	3.78	335.97	
1500	0.51	258.82	1499.97	4.1	3.45	-2.46	0.2	4.24	324.54	
1600	0.53	264	1599.96	4.7	3.32	-3.36	0.05	4.72	314.62	
1700	0.55	272.77	1699.96	5.41	3.29	-4.3	0.08	5.42	307.41	
1800	0.92	271.36	1799.95	6.43	3.33	-5.59	0.37	6.51	300.82	
1900	1.08	278.31	1899.94	7.86	3.49	-7.32	0.2	8.11	295.47	
2000	1.26	273.04	1999.92	9.55	3.68	-9.35	0.21	10.05	291.49	
2100	1.4	279.42	2099.89	11.49	3.94	-11.66	0.2	12.31	288.68	
2200	1.31	277.83	2199.86	13.52	4.3	-14.01	0.1	14.65	287.06	
2300	1.27	275.52	2299.84	15.41	4.56	-16.24	0.07	16.87	285.68	
2400	1.06	290.99	2399.81	17.21	5	-18.21	0.38	18.89	285.35	
2500	0.86	318.47	2499.8	18.83	5.89	-19.57	0.5	20.44	286.76	

2600	0.37	290.48	2599.8	19.87	6.57	-20.37	0.56	21.41	287.87
2700	0.73	264.32	2699.79	20.62	6.62	-21.31	0.43	22.31	287.25
2800	0.39	191.02	2799.79	20.91	6.22	-22.01	0.72	22.87	285.79
2900	1.27	220.06	2899.78	20.75	5.04	-22.79	0.95	23.34	282.47
3000	0.57	235.05	2999.76	20.89	3.91	-23.9	0.74	24.22	279.28
3100	1.01	328.11	3099.76	21.86	4.37	-24.78	1.18	25.16	280.01
3200	1.57	351.32	3199.73	23.72	6.48	-25.45	0.75	26.26	284.28
3300	1.89	1.87	3299.69	25.75	9.48	-25.6	0.45	27.3	290.32
3400	0.66	342.96	3399.66	27.25	11.68	-25.72	1.28	28.24	294.43
3500	1.93	12.3	3499.63	28.51	13.88	-25.53	1.39	29.06	298.54
3600	0.89	37.72	3599.6	29.31	16.14	-24.69	1.19	29.5	303.17
3700	0.85	42.06	3699.59	29.3	17.31	-23.72	0.08	29.36	306.12
3800	0.62	58.06	3799.58	29.1	18.14	-22.76	0.31	29.11	308.56
3900	1.27	13.85	3899.57	29.42	19.5	-22.04	0.93	29.43	311.5
4000	1.85	36.73	3999.53	29.98	21.87	-20.81	0.84	30.19	316.42
4100	1.15	34.85	4099.5	30.15	23.99	-19.27	0.7	30.77	321.22
4200	1.69	30.45	4199.47	30.47	26.08	-17.95	0.54	31.66	325.46
4300	0.74	92.27	4299.45	30.2	27.32	-16.56	1.49	31.95	328.78
4400	0.35	147.43	4399.44	29.4	27.04	-15.76	0.61	31.3	329.77
4500	0.69	86.92	4499.44	28.66	26.82	-14.99	0.6	30.72	330.79
4600	0.76	158.81	4599.43	27.64	26.23	-14.15	0.85	29.81	331.65
4700	1.26	110.46	4699.42	26.02	25.23	-12.88	0.95	28.33	332.96
4800	0.11	284.9	4799.41	25.07	24.87	-11.94	1.37	27.59	334.36
4900	0.81	85.62	4899.41	24.64	24.95	-11.32	0.92	27.4	335.59
5000	0.81	58.54	4999.4	23.9	25.37	-10.01	0.38	27.27	338.47
5100	0.61	359.85	5099.39	24.02	26.27	-9.41	0.72	27.9	340.3
5200	0.65	355.15	5199.38	24.76	27.37	-9.46	0.07	28.96	340.94
5300	0.69	340.74	5299.38	25.67	28.51	-9.7	0.17	30.12	341.2
5400	0.49	330.75	5399.37	26.59	29.45	-10.11	0.23	31.14	341.05
5500	0.65	313.62	5499.37	27.55	30.21	-10.73	0.23	32.06	340.45
5600	0.64	320.75	5599.36	28.66	31.03	-11.49	0.08	33.09	339.68
5700	0.59	290.85	5699.36	29.7	31.65	-12.33	0.32	33.96	338.72
5800	0.61	303.74	5799.35	30.72	32.13	-13.26	0.14	34.76	337.58
5900	0.77	295.67	5899.34	31.9	32.72	-14.31	0.18	35.71	336.38
6000	0.91	293.4	5999.33	33.32	33.33	-15.64	0.15	36.82	334.86
6100	1.31	293.56	6099.31	35.18	34.1	-17.42	0.39	38.29	332.94
6200	1.29	294.84	6199.29	37.37	35.03	-19.49	0.03	40.09	330.91
6300	1.02	293.1	6299.27	39.31	35.85	-21.33	0.28	41.72	329.25
6400	0.94	295.17	6399.25	40.95	36.55	-22.89	0.08	43.12	327.95
6500	1.15	279.13	6499.24	42.61	37.05	-24.61	0.36	44.48	326.4
6600	1.24	280.74	6599.21	44.42	37.41	-26.67	0.1	45.95	324.52
6700	1.33	284.81	6699.19	46.41	37.91	-28.85	0.12	47.64	322.73
6800	1.54	279.34	6799.16	48.63	38.43	-31.3	0.26	49.56	320.84
6900	2.01	280.01	6899.11	51.31	38.95	-34.36	0.47	51.94	318.59
7000	2.4	280.9	6999.04	54.68	39.65	-38.15	0.39	55.02	316.11
7100	2.58	277.33	7098.94	58.42	40.34	-42.44	0.24	58.55	313.55
7200	2.38	286.72	7198.85	62.23	41.22	-46.66	0.45	62.26	311.46

7300	2.8	297.79	7298.75	66.54	42.96	-50.82	0.65	66.54	310.21
7350	3.36	295.72	7348.67	69.16	44.17	-53.22	1.13	69.16	309.69