



Company: Mewbourne Oil Company
Lease/Well: Bradley 29 Fed Com/2H
Location: Sec 28, T18S, R30E
Rig Name: Patterson 46
State/County: New Mexico/Eddy
Latitude: 32.57
GRID North is 0.19 Degrees East of True North
VS-Azi: 188.00 Degrees



2-015-3866

Depth Reference : RKB = 17 Ft

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: bradley 29 fed com 3h_ed.ut

Minimum Curvature Method

Report Date/Time: 5/13/2011 / 13:05

Vaughn Energy Services

Fort Worth, Texas

817-741-3610

Surveyor: Daniel Lynch

Bradley 29 Fed Com 2H



Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	****
100.00	0.35	54.05	100.00	0.18	0.25	-0.21	0.30	54.05	0.35
200.00	0.22	198.50	200.00	0.17	0.43	-0.23	0.46	68.05	0.54
300.00	0.06	212.27	300.00	-0.06	0.34	0.01	0.34	99.31	0.16
400.00	0.21	33.24	400.00	0.05	0.41	-0.11	0.42	82.73	0.27
500.00	0.41	3.47	500.00	0.56	0.54	-0.63	0.78	43.61	0.25
600.00	0.47	13.25	599.99	1.31	0.65	-1.39	1.47	26.33	0.10
700.00	0.66	11.31	699.99	2.27	0.86	-2.37	2.43	20.64	0.19
800.00	0.68	28.27	799.98	3.36	1.25	-3.50	3.59	20.42	0.20
900.00	0.82	30.66	899.97	4.50	1.90	-4.72	4.89	22.87	0.14
1000.00	0.91	34.83	999.96	5.77	2.72	-6.09	6.38	25.22	0.11
1100.00	1.29	36.86	1099.94	7.32	3.85	-7.79	8.27	27.71	0.39
1200.00	1.48	45.64	1199.91	9.13	5.45	-9.80	10.63	30.82	0.28
1300.00	1.60	43.79	1299.88	11.04	7.33	-11.95	13.25	33.60	0.13
1400.00	1.28	42.76	1399.85	12.87	9.06	-14.00	15.74	35.15	0.31
1500.00	0.89	29.48	1499.83	14.37	10.20	-15.65	17.62	35.38	0.46
1600.00	0.69	318.54	1599.82	15.50	10.19	-16.76	18.54	33.32	0.93
1700.00	0.98	340.69	1699.81	16.76	9.50	-17.92	19.27	29.55	0.43
1800.00	0.62	3.28	1799.80	18.11	9.25	-19.22	20.33	27.06	0.48

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
1900.00	0.57	353.87	1899.80	19.13	9.23	-20.23	21.24	25.75	0.11
2000.00	0.63	342.27	1999.79	20.15	9.01	-21.21	22.07	24.08	0.14
2100.00	0.63	340.89	2099.78	21.19	8.66	-22.19	22.90	22.22	0.02
2200.00	0.71	339.09	2199.78	22.29	8.26	-23.23	23.77	20.32	0.09
2300.00	0.73	316.25	2299.77	23.33	7.59	-24.16	24.54	18.03	0.29
2400.00	0.63	339.58	2399.76	24.31	6.96	-25.05	25.29	15.98	0.29
2500.00	0.85	313.54	2499.75	25.34	6.23	-25.96	26.10	13.81	0.40
2600.00	0.55	323.93	2599.75	26.24	5.41	-26.74	26.79	11.64	0.33
2700.00	0.71	304.91	2699.74	26.98	4.62	-27.36	27.38	9.71	0.26
2800.00	0.73	308.54	2799.73	27.74	3.61	-27.97	27.97	7.42	0.05
2900.00	0.77	312.21	2899.72	28.58	2.61	-28.67	28.70	5.23	0.06
3000.00	0.79	299.79	2999.72	29.38	1.52	-29.30	29.42	2.96	0.17
3100.00	0.82	319.70	3099.71	30.27	0.46	-30.03	30.27	0.87	0.28
3200.00	1.03	303.35	3199.69	31.30	-0.75	-30.89	31.31	358.63	0.33
3300.00	0.72	284.05	3299.68	31.94	-2.11	-31.34	32.01	356.22	0.42
3400.00	0.75	299.86	3399.67	32.42	-3.29	-31.65	32.59	354.21	0.20
3500.00	0.48	299.40	3499.67	32.95	-4.22	-32.05	33.22	352.70	0.27
3600.00	0.53	314.98	3599.66	33.49	-4.91	-32.48	33.84	351.66	0.15
3700.00	0.60	341.75	3699.66	34.31	-5.40	-33.22	34.73	351.05	0.27
3800.00	0.83	313.15	3799.65	35.30	-6.10	-34.11	35.83	350.20	0.42
3900.00	0.75	314.45	3899.64	36.26	-7.10	-34.92	36.95	348.93	0.08
4000.00	0.78	303.53	3999.63	37.10	-8.13	-35.60	37.98	347.64	0.15
4100.00	0.75	314.35	4099.62	37.93	-9.16	-36.28	39.02	346.42	0.16
4200.00	1.28	347.14	4199.61	39.47	-9.88	-37.71	40.69	345.95	0.76
4300.00	1.73	352.02	4299.57	42.05	-10.34	-40.20	43.30	346.19	0.47
4400.00	1.92	351.15	4399.52	45.20	-10.80	-43.26	46.47	346.56	0.20
4500.00	1.81	348.49	4499.47	48.41	-11.38	-46.35	49.73	346.77	0.14
4600.00	1.78	350.42	4599.42	51.49	-11.95	-49.33	52.86	346.93	0.07
4700.00	1.56	349.92	4699.38	54.37	-12.45	-52.10	55.77	347.10	0.23
4800.00	1.35	323.90	4799.35	56.66	-13.38	-54.24	58.22	346.71	0.68
4900.00	1.36	338.75	4899.32	58.72	-14.51	-56.13	60.49	346.12	0.35
5000.00	1.48	344.22	4999.29	61.08	-15.29	-58.36	62.97	345.94	0.18
5100.00	1.98	1.69	5099.24	64.06	-15.60	-61.26	65.93	346.32	0.72
5200.00	2.21	21.45	5199.18	67.58	-14.84	-64.86	69.19	347.62	0.75
5300.00	2.22	355.88	5299.10	71.32	-14.27	-68.64	72.73	348.68	0.98
5400.00	1.77	16.01	5399.04	74.74	-13.99	-72.06	76.03	349.40	0.83
5500.00	1.46	13.39	5499.01	77.46	-13.26	-74.86	78.59	350.28	0.31
5600.00	0.95	344.47	5598.98	79.50	-13.19	-76.89	80.59	350.58	0.78
5700.00	1.06	321.54	5698.97	81.02	-13.98	-78.28	82.22	350.21	0.41

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	TVD FT	+N/-S FT	+E/-W FT	Vertical Section FT	Closure Distance FT	Closure Direction Deg	Dogleg Severity Deg/100
5800.00	1.12	297.78	5798.95	82.20	-15.42	-79.25	83.63	349.37	0.45
5900.00	2.02	298.20	5898.91	83.49	-17.84	-80.19	85.37	347.94	0.89
6000.00	2.71	289.22	5998.83	85.10	-21.63	-81.26	87.80	345.74	0.78
6100.00	3.18	290.12	6098.69	86.83	-26.46	-82.30	90.77	343.05	0.47
6200.00	3.39	288.14	6198.53	88.70	-31.87	-83.40	94.25	340.23	0.24
6300.00	2.68	301.38	6298.39	90.84	-36.68	-84.85	97.96	338.01	0.99
6400.00	2.33	320.38	6398.30	93.62	-39.97	-87.15	101.79	336.88	0.90
6500.00	2.16	340.71	6498.22	96.96	-41.88	-90.18	105.62	336.64	0.81
6600.00	1.88	355.74	6598.16	100.36	-42.63	-93.45	109.04	336.99	0.60
6700.00	2.02	335.78	6698.10	103.60	-43.47	-96.54	112.35	337.24	0.69
6800.00	1.62	312.82	6798.06	106.17	-45.23	-98.84	115.40	336.93	0.82
6900.00	1.68	243.53	6898.02	106.47	-47.58	-98.81	116.62	335.92	1.88
7000.00	1.52	150.60	6998.00	104.66	-48.25	-96.93	115.25	335.25	2.32
7100.00	1.20	90.57	7097.97	103.50	-46.55	-96.02	113.49	335.78	1.39
7200.00	1.33	50.63	7197.95	104.23	-44.60	-97.00	113.37	336.83	0.87
7300.00	1.13	58.66	7297.93	105.48	-42.86	-98.48	113.85	337.88	0.26
7400.00	0.67	42.73	7397.92	106.42	-41.63	-99.59	114.27	338.64	0.52
7500.00	0.73	88.61	7497.91	106.86	-40.59	-100.17	114.31	339.20	0.55
7542.00	0.76	60.65	7539.91	107.00	-40.08	-100.39	114.26	339.47	0.86

