



Company: Mewbourne Oil Company
Lease/Well: West Draw 5-8 PH Fed Com/1H
Location: Sec 5, T20S, R25E
Rig Name: Patterson 101
State/County: New Mexico/Eddy
Latitude: 32.59, Longitude: -104.50
GRID North is 0.09 Degrees West of True North
VS-Azi: 179.88 Degrees



FIELD COPY ONLY (NOT DEFINITIVE)

Depth Reference : RKB=20 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: ... draw 5-8 ph fed com 1h_ed.ut

Minimum Curvature Method

Report Date/Time: 4/27/2011 / 20:13

30-015-38674

Vaughn Energy Services
Fort Worth, Texas
817-741-3610
Daniel Lynch

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	0.19	110.95	100.00	-0.06	0.16	0.06	0.17	110.95	0.19
200.00	0.29	208.55	200.00	-0.34	0.20	0.34	0.39	149.91	0.37
300.00	0.18	239.42	300.00	-0.64	-0.06	0.64	0.64	185.17	0.16
400.00	0.73	191.54	400.00	-1.34	-0.32	1.34	1.38	193.45	0.62
500.00	0.57	179.47	499.99	-2.45	-0.44	2.45	2.49	190.22	0.21
600.00	0.59	190.73	599.98	-3.45	-0.53	3.45	3.49	188.78	0.12
700.00	0.68	165.79	699.98	-4.53	-0.48	4.53	4.56	186.07	0.29
800.00	1.88	135.55	799.95	-6.28	0.82	6.28	6.34	172.60	1.34
900.00	1.77	135.32	899.90	-8.56	3.05	8.56	9.09	160.36	0.11
1000.00	1.77	107.63	999.85	-10.13	5.62	10.14	11.58	150.98	0.85
1100.00	1.91	112.47	1099.80	-11.23	8.63	11.25	14.16	142.46	0.20
1200.00	2.12	101.90	1199.74	-12.25	11.98	12.27	17.13	135.64	0.43
1300.00	1.88	127.51	1299.68	-13.63	15.09	13.66	20.33	132.09	0.92
1400.00	1.80	112.01	1399.63	-15.22	17.85	15.25	23.45	130.45	0.50
1500.00	1.58	110.30	1499.59	-16.28	20.60	16.33	26.26	128.33	0.23
1600.00	1.50	113.40	1599.55	-17.28	23.10	17.33	28.85	126.81	0.12
1700.00	1.12	141.73	1699.53	-18.57	24.90	18.62	31.06	126.71	0.74
1800.00	1.16	158.90	1799.51	-20.28	25.87	20.33	32.87	128.10	0.34
1826.00	1.11	147.38	1825.50	-20.74	26.10	20.79	33.33	128.47	0.90

HORIZONTAL DISPLACEMENT IS
33.33 FEET AT 128.47 DEGREES

