



Company: Mewbourne Oil Company
Lease/Well: Fast Draw/4 EH Fed Com #1H
Location: Sec.4/ T20S/ R25E
Rig Name: Patterson 101
State/County: New Mexico/Eddy
Latitude: 32.59, Longitude: -104.49
GRID North is 0.08 Degrees West of True North
VS-Azi: 90.31 Degrees



30-015-38434

Depth Reference : RKB= 18 Feet

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: fast draw 4 eh fed com #1h_ed.ut

Minimum Curvature Method

Report Date/Time: 4/5/2011 / 15:00

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	0.33	284.83	100.00	0.07	-0.28	-0.28	0.29	284.83	0.33
200.00	0.44	266.32	200.00	0.12	-0.95	-0.95	0.95	277.53	0.16
300.00	0.64	251.32	299.99	-0.08	-1.86	-1.86	1.86	267.57	0.25
400.00	0.72	256.38	399.99	-0.41	-3.00	-2.99	3.02	262.29	0.10
500.00	0.67	262.51	499.98	-0.63	-4.18	-4.18	4.23	261.44	0.09
600.00	0.67	266.49	599.97	-0.74	-5.34	-5.34	5.39	262.10	0.05
700.00	0.76	253.90	699.96	-0.96	-6.56	-6.56	6.63	261.67	0.18
800.00	0.43	255.06	799.96	-1.24	-7.56	-7.56	7.66	260.67	0.33
900.00	0.60	157.45	899.96	-1.82	-7.72	-7.71	7.94	256.72	0.78
1000.00	2.67	148.03	999.91	-4.28	-6.29	-6.27	7.61	235.73	2.08
1100.00	3.46	157.54	1099.77	-9.05	-3.90	-3.85	9.86	203.31	0.94
1200.00	3.41	162.21	1199.59	-14.67	-1.84	-1.76	14.79	187.14	0.29
1300.00	3.36	162.22	1299.41	-20.29	-0.04	0.07	20.29	180.10	0.05
1400.00	3.23	164.87	1399.25	-25.80	1.59	1.73	25.84	176.47	0.20
1500.00	2.81	163.35	1499.11	-30.86	3.03	3.20	31.01	174.39	0.43
1600.00	2.57	163.31	1599.00	-35.35	4.37	4.57	35.62	172.95	0.24
1700.00	2.56	169.21	1698.90	-39.69	5.44	5.65	40.06	172.20	0.26
1765.00	2.55	180.73	1763.83	-42.56	5.69	5.92	42.94	172.39	0.79

HORIZONTAL DISPLACEMENT IS
42.94 FEET AT 172.39 DEGREES

