



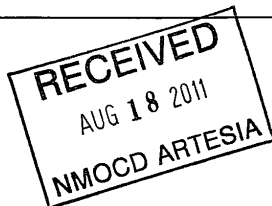
Company: MEWBOURNE
Lease/Well: QUICK DRAW 22 DE /#1H

Rig Name: PATTERSON 101
State/County: NEW MEXICO/EDDY
Latitude: 32.56

GRID North is 0.07 Degrees West of True North
VS-Azi: 0.00 Degrees



30-015-38474



Depth Reference : RKB 18 FEET

DRILLOG HA GYRO SURVEY CALCULATIONS

Filename: quick draw 22 de #1h_ed.ut

Minimum Curvature Method

Report Date/Time: 7/11/2011 / 10:46

Vaughn Energy Services
Woodward, Oklahoma
580-254-5000

Surveyor: Juan Parra
Quick Draw 22 DE #1H

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	****
200.00	0.48	209.14	200.00	-0.73	-0.41	-0.73	0.84	209.14	0.24
400.00	0.38	242.22	399.99	-1.78	-1.41	-1.78	2.27	218.36	0.13
600.00	0.07	255.55	599.99	-2.12	-2.12	-2.12	2.99	224.97	0.16
800.00	0.04	283.82	799.99	-2.13	-2.30	-2.13	3.14	227.15	0.02
1000.00	0.43	297.20	999.99	-1.78	-3.03	-1.78	3.51	239.61	0.20
1200.00	0.54	301.84	1199.98	-0.93	-4.50	-0.93	4.59	258.26	0.06
1400.00	0.74	297.58	1399.97	0.16	-6.44	0.16	6.45	271.43	0.10
1600.00	0.42	277.97	1599.96	0.86	-8.32	0.86	8.36	275.90	0.18
1800.00	0.41	283.08	1799.95	1.12	-9.74	1.12	9.80	276.57	0.02
1858.00	0.43	285.04	1857.95	1.22	-10.15	1.22	10.22	276.88	0.04