

Marathon Oil Company
 INDIAN HILLS UNIT #35, slot #1
 INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 1
 Your ref : GYRO
 Last revised : 10-Jul-2002

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert Depth	R E C T A N G U L A R C O O R D I N A T E S	Dogleg Deg/100ft	Vert Sect
0.00	0.00	0.00	0.00	0.00 N 0.00 E	0.00	0.00
100.00	0.19	338.42	100.00	0.15 N 0.06 W	0.19	0.16
200.00	0.15	337.33	200.00	0.42 N 0.17 W	0.04	0.45
300.00	0.23	3.73	300.00	0.74 N 0.21 W	0.11	0.76
400.00	0.14	47.86	400.00	1.02 N 0.10 W	0.16	1.03
500.00	0.15	96.34	500.00	1.09 N 0.12 E	0.12	1.06
600.00	0.40	95.30	600.00	1.04 N 0.60 E	0.25	0.94
700.00	0.47	92.21	699.99	0.99 N 1.35 E	0.07	0.78
800.00	0.43	102.72	799.99	0.90 N 2.13 E	0.09	0.56
900.00	0.45	94.27	899.99	0.78 N 2.89 E	0.07	0.33
1000.00	0.48	112.82	999.98	0.59 N 3.66 E	0.15	0.03
1100.00	0.39	107.42	1099.98	0.33 N 4.37 E	0.10	-0.34
1200.00	0.24	116.16	1199.98	0.14 N 4.88 E	0.16	-0.61
1300.00	0.19	147.35	1299.98	0.09 S 5.15 E	0.12	-0.87
1400.00	0.26	180.77	1399.98	0.46 S 5.23 E	0.15	-1.25
1500.00	0.17	195.23	1499.98	0.82 S 5.19 E	0.11	-1.61
1600.00	0.11	179.45	1599.98	1.06 S 5.15 E	0.07	-1.83
1700.00	0.13	164.48	1699.98	1.27 S 5.19 E	0.04	-2.04
1800.00	0.07	325.49	1799.98	1.33 S 5.18 E	0.20	-2.10
1847.00	0.15	186.41	1846.98	1.37 S 5.16 E	0.45	-2.14

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from rotary table.
 Bottom hole distance is 5.34 on azimuth 104.85 degrees from wellhead.
 Vertical section is from N 0.00 E 0.00 on azimuth 351.24 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ