

MARATHON OIL COMPANY
Indian Hills Unit No.24, slot #1
Indian Basin, EDDY COUNTY, NM.

SURVEY LISTING Page 5
Your ref : Gyro/MWD/FMI
Last revised : 24-Aug-2000

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
7300.00	25.10	9.30	6847.48	2105.68 N 2143.26 N 2178.97 N 2198.44 N 2236.32 N	1.30 2.07 1.50 0.91 1.74	2115.60 2153.61 2189.64 2209.28 2247.51
7393.00	23.20	8.60	6932.33	206.04 E 211.97 E 216.94 E 219.58 E 224.79 E		
7487.00	21.90	7.20	7019.15			
7540.00	21.63	8.29	7068.37			
7640.00	23.34	7.39	7160.76			
7740.00	24.23	9.06	7252.27	2276.24 N 2317.10 N 2357.29 N 2396.70 N 2437.22 N	1.12 0.58 1.28 0.80 1.29	2287.81 2329.18 2369.93 2409.99 2451.29
7840.00	24.72	9.83	7343.28			
7940.00	23.52	10.96	7434.55			
8040.00	23.95	12.61	7526.09			
8140.00	25.20	13.41	7617.03			
8240.00	25.81	13.27	7707.28	2479.12 N 2522.10 N 2566.36 N 2611.91 N 2668.19 N	0.61 0.81 0.91 0.83 1.00	2494.03 2537.86 2583.01 2629.47 2686.95
8340.00	26.61	13.46	7797.00			
8440.00	27.52	13.34	7886.04			
8540.00	28.34	13.60	7974.39			
8660.00	29.47	14.41	8079.44			

Tie on to MWD w/ FMI

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2687.07 on azimuth 6.80 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 6.24 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ