

Marathon Oil Company
IHU #36, slot #1
INDIAN BASIN, Eddy County New Mexico

PROPOSAL LISTING Page 1
Your ref : Rev 1
Last revised : 6-Aug-2001

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
2350.00	0.00	40.02	2350.00	0.00 N	0.00 E	0.00	0.00 KOP
2450.00	2.50	40.02	2449.97	1.67 N	1.40 E	2.50	2.18
2550.00	5.00	40.02	2549.75	6.68 N	5.61 E	2.50	8.72
2650.00	7.50	40.02	2649.14	15.02 N	12.61 E	2.50	19.61
2750.00	10.00	40.02	2747.97	26.67 N	22.39 E	2.50	34.82
2850.00	12.50	40.02	2846.04	41.60 N	34.93 E	2.50	54.33
2924.46	14.36	40.02	2918.46	54.85 N	46.05 E	2.50	71.62
3000.00	14.36	40.02	2991.64	69.20 N	58.10 E	0.00	90.36
3500.00	14.36	40.02	3476.02	164.18 N	137.85 E	0.00	214.38
4000.00	14.36	40.02	3960.39	259.16 N	217.60 E	0.00	338.40
4500.00	14.36	40.02	4444.77	354.14 N	297.35 E	0.00	462.41
5000.00	14.36	40.02	4929.14	449.11 N	377.10 E	0.00	586.43
5500.00	14.36	40.02	5413.52	544.09 N	456.84 E	0.00	710.45
6000.00	14.36	40.02	5897.89	639.07 N	536.59 E	0.00	834.47
6500.00	14.36	40.02	6382.27	734.05 N	616.34 E	0.00	958.49
7000.00	14.36	40.02	6866.64	829.03 N	696.09 E	0.00	1082.51
7395.72	14.36	40.02	7250.00	904.20 N	759.21 E	0.00	1180.67 Upper Penn Top
7500.00	14.36	40.02	7351.02	924.01 N	775.84 E	0.00	1206.53
8000.00	14.36	40.02	7835.39	1018.99 N	855.59 E	0.00	1330.55
8015.08	14.36	40.02	7850.00	1021.85 N	857.99 E	0.00	1334.29 Upper Pen Base
8500.00	14.36	40.02	8319.77	1113.97 N	935.34 E	0.00	1454.57
9000.00	14.36	40.02	8804.14	1208.95 N	1015.08 E	0.00	1578.59
9202.17	14.36	40.02	9000.00	1247.35 N	1047.33 E	0.00	1628.74 Top of Morrow
9500.00	14.36	40.02	9288.52	1303.92 N	1094.83 E	0.00	1702.61
9515.08	14.36	40.02	9400.00	1325.78 N	1113.19 E	0.00	1731.15 Base of Morrow
9530.00	14.36	40.02	9500.00	1345.39 N	1129.65 E	0.00	1756.76

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1756.76 on azimuth 40.02 degrees from wellhead.
Vertical section is from wellhead on azimuth 40.02 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ