

Marathon Oil Company
Indian Hills Unit No. 30, slot #1
Indian Basin, EDDY COUNTY, NM.

PROPOSAL LISTING Page 1
Your ref : 20.73
Last revised : 29-Mar-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
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	0.00	500.00	0.00 N	0.00 E	0.00	0.00
1000.00	0.00	0.00	1000.00	0.00 N	0.00 E	0.00	0.00
1400.00	0.00	0.00	1400.00	0.00 N	0.00 E	0.00	0.00 KOP
1500.00	2.50	20.73	1499.97	2.04 N	0.77 E	2.50	2.18
1600.00	5.00	20.73	1599.75	8.16 N	3.09 E	2.50	8.72
1700.00	7.50	20.73	1699.14	18.34 N	6.94 E	2.50	19.61
1800.00	10.00	20.73	1797.97	32.56 N	12.32 E	2.50	34.82
1900.00	12.50	20.73	1896.04	50.81 N	19.23 E	2.50	54.33
2000.00	15.00	20.73	1993.17	73.04 N	27.64 E	2.50	78.09
2069.63	16.74	20.73	2060.15	90.85 N	34.38 E	2.50	97.13 EOC
2500.00	16.74	20.73	2472.27	206.78 N	78.26 E	0.00	221.10
3000.00	16.74	20.73	2951.08	341.48 N	129.24 E	0.00	365.12
3500.00	16.74	20.73	3429.89	476.18 N	180.22 E	0.00	509.14
4000.00	16.74	20.73	3908.70	610.88 N	231.20 E	0.00	653.16
4500.00	16.74	20.73	4387.51	745.58 N	282.17 E	0.00	797.19
5000.00	16.74	20.73	4866.32	880.27 N	333.15 E	0.00	941.21
5500.00	16.74	20.73	5345.12	1014.97 N	384.13 E	0.00	1085.23
6000.00	16.74	20.73	5823.93	1149.67 N	435.11 E	0.00	1229.25
6500.00	16.74	20.73	6302.74	1284.37 N	486.09 E	0.00	1373.27
7000.00	16.74	20.73	6781.55	1419.06 N	537.07 E	0.00	1517.29
7500.00	16.74	20.73	7260.36	1553.76 N	588.05 E	0.00	1661.32
7708.48	16.74	20.73	7460.00	1609.92 N	609.30 E	0.00	1721.37 Top of Upper Penn
8000.00	16.74	20.73	7739.17	1688.46 N	639.02 E	0.00	1805.34
8335.03	16.74	20.73	8060.00	1778.71 N	673.18 E	0.00	1901.84 Base of Upper Penn
8500.00	16.74	20.73	8217.98	1823.16 N	690.00 E	0.00	1949.36
9000.00	16.74	20.73	8696.79	1957.85 N	740.98 E	0.00	2093.38
9500.00	16.74	20.73	9175.59	2092.55 N	791.96 E	0.00	2237.40
9713.45	16.74	20.73	9380.00	2150.05 N	813.72 E	0.00	2298.89 Middle of Morrow
9880.53	16.74	20.73	9540.00	2195.07 N	830.76 E	0.00	2347.01 Base of Morrow
10000.00	16.74	20.73	9654.40	2227.25 N	842.94 E	0.00	2381.42
10500.00	16.74	20.73	10133.21	2361.95 N	893.92 E	0.00	2525.45
10621.96	16.74	20.73	10250.00	2394.80 N	906.35 E	0.00	2560.58 Top of Devonian
11000.00	16.74	20.73	10612.02	2496.64 N	944.89 E	0.00	2669.47
11500.00	16.74	20.73	11090.83	2631.34 N	995.87 E	0.00	2813.49
11666.22	16.74	20.73	11250.00	2676.12 N	1012.82 E	0.00	2861.37 PBHL/TD

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2861.37 on azimuth 20.73 degrees from wellhead.
Vertical section is from wellhead on azimuth 20.73 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ

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