

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

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
1400.00	0.00	14.26	1400.00	0.00 N	0.00	0.00 KOP
1500.00	2.50	14.26	1499.97	2.11 N	2.50	2.18
1600.00	5.00	14.26	1599.75	8.45 N	2.50	8.72
1700.00	7.50	14.26	1699.14	19.00 N	2.50	19.61
1800.00	10.00	14.26	1797.97	33.75 N	2.50	34.82
1900.00	12.50	14.26	1896.04	52.65 N	2.50	54.33
2000.00	15.00	14.26	1993.17	75.69 N	2.50	78.09
2100.00	17.50	14.26	2089.17	102.81 N	2.50	106.07
2135.93	18.40	14.26	2123.35	113.54 N	2.50	117.15 EOC
2500.00	18.40	14.26	2468.81	224.91 N	0.00	232.05
3000.00	18.40	14.26	2943.25	377.86 N	0.00	389.86
3500.00	18.40	14.26	3417.69	530.81 N	0.00	547.68
4000.00	18.40	14.26	3892.14	683.76 N	0.00	705.49
4500.00	18.40	14.26	4366.58	836.71 N	0.00	863.30
5000.00	18.40	14.26	4841.02	989.66 N	0.00	1021.11
5500.00	18.40	14.26	5315.46	1142.61 N	0.00	1178.92
6000.00	18.40	14.26	5789.91	1295.56 N	0.00	1336.73
6500.00	18.40	14.26	6264.35	1448.51 N	0.00	1494.54
7000.00	18.40	14.26	6738.79	1601.46 N	0.00	1652.35
7500.00	18.40	14.26	7213.23	1754.41 N	0.00	1810.16
7802.21	18.40	14.26	7500.00	1846.86 N	0.00	1905.54 Top of Upper Penn
8000.00	18.40	14.26	7687.68	1907.36 N	0.00	1967.97
8500.00	18.40	14.26	8162.12	2060.31 N	0.00	2125.78
8559.94	18.40	14.26	8219.00	2078.65 N	0.00	2144.70 Base of Upper Penn
9000.00	18.40	14.26	8636.56	2213.27 N	0.00	2283.59

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 2903.42 on azimuth 14.26 degrees from wellhead.

Vertical section is from wellhead on azimuth 14.26 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ