

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

SURVEY LISTING Page 2
Your ref : OH BHI MWD 1318'-7555'
Last revised : 23-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
3961.00	16.00	19.50	3874.85	581.66 N	222.79 E	0.66	622.87
4023.00	16.20	19.10	3934.42	597.89 N	228.47 E	0.37	640.05
4084.00	16.10	18.40	3993.01	613.96 N	233.92 E	0.36	657.01
4146.00	15.70	16.70	4052.64	630.15 N	239.05 E	0.99	673.97
4208.00	15.80	15.60	4112.31	646.32 N	243.73 E	0.51	690.74
4270.00	16.20	15.20	4171.91	662.79 N	248.27 E	0.67	707.76
4334.00	18.10	18.40	4233.06	680.84 N	253.75 E	3.31	726.58
4397.00	19.90	20.90	4292.63	700.15 N	260.66 E	3.14	747.08
4492.00	22.10	20.90	4381.31	731.95 N	272.80 E	2.32	781.13
4554.00	21.10	19.80	4438.96	753.35 N	280.75 E	1.74	803.95
4616.00	18.60	21.90	4497.27	773.02 N	288.21 E	4.19	825.00
4677.00	15.60	30.40	4555.58	789.13 N	296.00 E	6.39	842.81
4739.00	14.20	40.60	4615.50	802.10 N	305.17 E	4.79	858.19
4802.00	14.00	36.30	4676.60	814.11 N	314.71 E	1.69	872.80
4866.00	15.70	27.20	4738.47	828.05 N	323.25 E	4.50	888.86
4928.00	17.20	20.90	4797.94	844.08 N	330.36 E	3.76	906.36
4989.00	18.50	17.40	4856.00	861.74 N	336.47 E	2.76	925.05
5052.00	17.00	13.80	4916.00	880.22 N	341.65 E	2.95	944.17
5115.00	14.60	11.40	4976.62	896.95 N	345.42 E	3.95	961.15
5178.00	12.70	14.20	5037.84	911.45 N	348.69 E	3.19	975.87
5240.00	13.20	23.30	5098.27	924.56 N	353.16 E	3.38	989.71
5302.00	14.80	26.80	5158.42	938.13 N	359.53 E	2.92	1004.66
5365.00	16.80	26.10	5219.04	953.49 N	367.17 E	3.19	1021.73
5456.00	19.30	23.30	5305.56	979.12 N	378.90 E	2.91	1049.85
5549.00	18.70	21.20	5393.49	1007.13 N	390.37 E	0.98	1080.11
5612.00	18.70	20.20	5453.17	1026.03 N	397.51 E	0.51	1100.31
5675.00	19.80	18.76	5512.64	1045.61 N	404.43 E	1.90	1121.07
5737.00	21.18	17.36	5570.72	1066.24 N	411.15 E	2.36	1142.75
5831.00	21.60	17.40	5658.24	1098.96 N	421.39 E	0.45	1176.97
5893.00	21.90	18.10	5715.83	1120.84 N	428.40 E	0.64	1199.91
5956.00	20.80	19.80	5774.51	1142.54 N	435.84 E	2.00	1222.84
6018.00	19.30	22.30	5832.75	1162.37 N	443.45 E	2.79	1244.09
6082.00	17.10	24.40	5893.54	1180.73 N	451.36 E	3.59	1264.05
6142.00	15.60	25.80	5951.12	1196.03 N	458.51 E	2.58	1280.89
6205.00	15.70	26.10	6011.78	1211.31 N	465.95 E	0.20	1297.82
6298.00	17.80	25.10	6100.83	1235.49 N	477.51 E	2.28	1324.52
6359.00	18.90	24.40	6158.73	1252.93 N	485.55 E	1.84	1343.68
6421.00	17.60	22.60	6217.61	1270.73 N	493.30 E	2.29	1363.07
6484.00	16.00	20.50	6277.92	1287.65 N	500.00 E	2.72	1381.27
6577.00	14.10	18.40	6367.72	1310.41 N	508.07 E	2.13	1405.41
6638.00	14.40	18.80	6426.85	1324.64 N	512.86 E	0.52	1420.41
6699.00	14.80	18.80	6485.88	1339.20 N	517.81 E	0.66	1435.78
6793.00	15.60	18.40	6576.59	1362.55 N	525.67 E	0.86	1460.41
6887.00	16.60	17.70	6666.90	1387.34 N	533.74 E	1.08	1486.45
6950.00	17.10	16.70	6727.19	1404.78 N	539.14 E	0.92	1504.67
7043.00	16.60	15.90	6816.20	1430.66 N	546.71 E	0.59	1531.55
7136.00	15.60	14.50	6905.55	1455.54 N	553.48 E	1.15	1557.22
7229.00	15.20	17.00	6995.22	1479.31 N	560.18 E	0.83	1581.82
7325.00	15.90	18.70	7087.70	1503.80 N	568.07 E	0.87	1607.52
7450.00	16.90	20.50	7207.61	1537.04 N	579.93 E	0.90	1642.80

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1672.52 on azimuth 20.65 degrees from wellhead.
Vertical section is from wellhead on azimuth 20.73 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ