

Marathon Oil Company
Indian Hills Unit 42, slot #1
INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 3
Your ref : MWD
Last revised : 31-May-2002

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	G R I D Easting	C O O R D S Northing
5022.00	19.10	75.00	4881.52	250.45N	827.11E	1.32	891.08	443054.21	535289.95
5085.00	19.60	75.70	4940.96	255.72N	847.31E	0.87	911.94	443074.41	535295.22
5148.00	20.00	75.30	5000.24	261.07N	867.97E	0.67	933.28	443095.07	535300.57
5212.00	20.60	74.30	5060.26	266.89N	889.39E	1.08	955.48	443116.49	535306.39
5275.00	20.20	73.20	5119.31	273.03N	910.48E	0.88	977.44	443137.58	535312.53
5338.00	19.30	72.80	5178.60	279.26N	930.83E	1.44	998.72	443157.93	535318.76
5401.00	18.90	73.60	5238.14	285.22N	950.57E	0.76	1019.33	443177.67	535324.72
5464.00	18.60	74.60	5297.79	290.77N	970.04E	0.70	1039.58	443197.14	535330.27
5527.00	18.30	74.30	5357.55	296.11N	989.25E	0.50	1059.52	443216.35	535335.61
5591.00	18.70	73.90	5418.25	301.67N	1008.78E	0.66	1079.83	443235.88	535341.17
5654.00	19.20	74.30	5477.83	307.28N	1028.46E	0.82	1100.29	443255.56	535346.78
5717.00	19.20	75.70	5537.33	312.64N	1048.47E	0.73	1121.00	443275.57	535352.14
5781.00	19.30	76.40	5597.75	317.73N	1068.95E	0.39	1142.08	443296.05	535357.23
5844.00	18.90	74.60	5657.28	322.88N	1088.90E	1.13	1162.69	443316.00	535362.38
5907.00	18.90	72.80	5716.89	328.61N	1108.49E	0.93	1183.09	443335.59	535368.11
5970.00	18.40	70.00	5776.58	335.03N	1127.58E	1.63	1203.22	443354.68	535374.53
6033.00	18.20	71.80	5836.39	341.50N	1146.27E	0.95	1222.97	443373.37	535381.00
6096.00	17.50	73.20	5896.36	347.31N	1164.68E	1.30	1242.27	443391.78	535386.81
6159.00	17.40	74.60	5956.46	352.55N	1182.83E	0.69	1261.16	443409.93	535392.05
6221.00	18.10	75.30	6015.51	357.46N	1201.09E	1.18	1280.06	443428.19	535396.96
6284.00	18.20	78.20	6075.38	361.95N	1220.18E	1.44	1299.65	443447.28	535401.45
6347.00	18.30	75.70	6135.21	366.41N	1239.40E	1.25	1319.35	443466.50	535405.91
6411.00	17.80	75.00	6196.06	371.42N	1258.58E	0.85	1339.18	443485.68	535410.92
6473.00	18.30	74.60	6255.01	376.46N	1277.12E	0.83	1358.38	443504.22	535415.96
6538.00	18.50	75.00	6316.68	381.84N	1296.92E	0.36	1378.90	443524.02	535421.34
6600.00	19.20	75.70	6375.36	386.90N	1316.30E	1.19	1398.92	443543.40	535426.40
6662.00	19.10	75.70	6433.93	391.93N	1336.01E	0.16	1419.25	443563.11	535431.43
6732.00	19.20	77.10	6500.05	397.33N	1358.33E	0.67	1442.19	443585.43	535436.83
6794.00	19.80	78.90	6558.50	401.62N	1378.57E	1.37	1462.83	443605.67	535441.12
6855.00	19.40	79.20	6615.96	405.51N	1398.66E	0.68	1483.21	443625.76	535445.01
6915.00	19.90	78.50	6672.47	409.41N	1418.45E	0.92	1503.31	443645.55	535448.91
6977.00	20.20	77.10	6730.71	413.91N	1439.23E	0.91	1524.52	443666.33	535453.41
7039.00	19.80	76.40	6788.97	418.77N	1459.87E	0.75	1545.70	443686.97	535458.27
7100.00	19.20	79.10	6846.48	423.09N	1479.76E	1.77	1566.01	443706.86	535462.59
7163.00	19.20	79.90	6905.97	426.87N	1500.13E	0.42	1586.63	443727.23	535466.37
7228.00	19.50	79.20	6967.30	430.78N	1521.31E	0.58	1608.06	443748.41	535470.28
7292.00	19.80	77.80	7027.57	435.07N	1542.40E	0.87	1629.52	443769.50	535474.57
7356.00	19.90	78.50	7087.77	439.53N	1563.67E	0.40	1651.19	443790.77	535479.03
7420.00	19.10	79.20	7148.10	443.66N	1584.63E	1.30	1672.47	443811.73	535483.16
7484.00	17.60	80.60	7208.84	447.21N	1604.46E	2.44	1692.51	443831.56	535486.71
7547.00	16.20	80.20	7269.12	450.26N	1622.52E	2.23	1710.71	443849.62	535489.76
7610.00	15.70	78.50	7329.70	453.45N	1639.53E	1.09	1727.94	443866.63	535492.95
7674.00	16.40	79.60	7391.20	456.81N	1656.90E	1.19	1745.56	443884.00	535496.31
7736.00	16.90	80.30	7450.60	459.91N	1674.39E	0.87	1763.23	443901.49	535499.41
7800.00	17.90	76.00	7511.67	463.86N	1693.11E	2.54	1782.30	443920.21	535503.36
7864.00	19.50	73.00	7572.29	469.36N	1712.87E	2.92	1802.81	443939.97	535508.86
7927.00	19.50	70.10	7631.68	476.01N	1732.81E	1.54	1823.82	443959.91	535515.51
7990.00	18.90	72.20	7691.18	482.71N	1752.41E	1.45	1844.51	443979.51	535522.21
8054.00	19.10	73.30	7751.69	488.89N	1772.31E	0.64	1865.34	443999.41	535528.39
8118.00	19.80	75.30	7812.04	494.65N	1792.83E	1.51	1886.65	444019.93	535534.15

All data in feet unless otherwise stated. Calculation uses minimum curvature method.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 2136.28 on azimuth 74.38 degrees from wellhead.
Vertical section is from S 4.71 W 26.70 on azimuth 73.92 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ