

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

SURVEY LISTING Page 2
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
2262.00	6.24	75.70	2261.26	3.54N	11.98E	0.79	39.45	442239.08	535043.04
2293.00	7.00	78.50	2292.05	4.34N	15.46E	2.66	43.01	442242.56	535043.84
2325.00	8.00	75.70	2323.78	5.28N	19.53E	3.33	47.18	442246.63	535044.78
2356.00	8.90	76.70	2354.44	6.36N	23.95E	2.94	51.73	442251.05	535045.86
2388.00	9.50	77.40	2386.03	7.51N	28.94E	1.91	56.84	442256.04	535047.01
2420.00	10.50	76.40	2417.54	8.77N	34.35E	3.17	62.39	442261.45	535048.27
2451.00	11.10	77.10	2447.99	10.10N	40.00E	1.98	68.19	442267.10	535049.60
2482.00	12.00	75.70	2478.36	11.56N	46.04E	3.04	74.39	442273.14	535051.06
2514.00	12.70	77.80	2509.62	13.12N	52.70E	2.60	81.23	442279.80	535052.62
2546.00	13.50	77.10	2540.79	14.70N	59.78E	2.55	88.47	442286.88	535054.20
2577.00	14.20	76.70	2570.89	16.38N	67.00E	2.28	95.88	442294.10	535055.88
2609.00	15.10	77.40	2601.85	18.20N	74.89E	2.87	103.96	442301.99	535057.70
2641.00	15.80	77.80	2632.69	20.03N	83.22E	2.21	112.47	442310.32	535059.53
2673.00	16.60	77.40	2663.42	21.94N	91.94E	2.52	121.37	442319.04	535061.44
2736.00	18.40	77.00	2723.50	26.14N	110.41E	2.86	140.29	442337.51	535065.64
2800.00	19.60	76.70	2784.02	30.89N	130.70E	1.88	161.10	442357.80	535070.39
2862.00	20.50	75.70	2842.26	35.96N	151.34E	1.55	182.33	442378.44	535075.46
2926.00	20.90	75.70	2902.13	41.55N	173.26E	0.63	204.95	442400.36	535081.05
2989.00	20.70	75.30	2961.02	47.15N	194.92E	0.39	227.31	442422.02	535086.65
3053.00	21.40	74.60	3020.75	53.12N	217.12E	1.16	250.29	442444.22	535092.62
3117.00	22.20	74.60	3080.17	59.43N	240.03E	1.25	274.06	442467.13	535098.93
3180.00	21.80	75.70	3138.58	65.48N	262.84E	0.91	297.65	442489.94	535104.98
3245.00	22.10	73.60	3198.87	71.92N	286.27E	1.29	321.94	442513.37	535111.42
3309.00	22.20	74.30	3258.15	78.59N	309.46E	0.44	346.07	442536.56	535118.09
3372.00	21.60	73.60	3316.60	85.08N	332.04E	1.04	369.57	442559.14	535124.58
3435.00	21.20	72.90	3375.26	91.70N	354.05E	0.75	392.56	442581.15	535131.20
3499.00	20.30	72.50	3435.11	98.45N	375.70E	1.42	415.23	442602.80	535137.95
3562.00	19.60	72.20	3494.33	104.96N	396.18E	1.12	436.71	442623.28	535144.46
3625.00	18.80	72.50	3553.82	111.25N	415.93E	1.28	457.42	442643.03	535150.75
3689.00	17.90	71.10	3614.57	117.53N	435.07E	1.57	477.56	442662.17	535157.03
3752.00	16.90	71.80	3674.68	123.53N	452.93E	1.62	496.38	442680.03	535163.03
3816.00	16.90	71.50	3735.92	129.39N	470.59E	0.14	514.97	442697.69	535168.89
3880.00	17.20	70.70	3797.11	135.47N	488.34E	0.60	533.71	442715.44	535174.97
3943.00	17.10	70.70	3857.31	141.61N	505.87E	0.16	552.26	442732.97	535181.11
4007.00	17.10	70.10	3918.48	147.92N	523.60E	0.28	571.04	442750.70	535187.42
4070.00	17.40	71.50	3978.64	154.06N	541.24E	0.81	589.69	442768.34	535193.56
4143.00	17.80	71.80	4048.23	161.01N	562.19E	0.56	611.75	442789.29	535200.51
4197.00	17.80	73.80	4099.64	165.89N	577.96E	1.13	628.25	442805.06	535205.39
4261.00	18.50	73.20	4160.46	171.55N	597.07E	1.13	648.19	442824.17	535211.05
4324.00	19.00	71.80	4220.11	177.64N	616.39E	1.07	668.43	442843.49	535217.14
4388.00	18.80	71.10	4280.66	184.24N	636.04E	0.47	689.14	442863.14	535223.74
4451.00	18.90	70.70	4340.28	190.90N	655.27E	0.26	709.47	442882.37	535230.40
4515.00	18.90	70.40	4400.83	197.80N	674.82E	0.15	730.16	442901.92	535237.30
4578.00	18.70	70.80	4460.47	204.55N	693.97E	0.38	750.43	442921.07	535244.05
4642.00	18.50	70.80	4521.13	211.26N	713.25E	0.31	770.81	442940.35	535250.76
4706.00	18.90	69.00	4581.75	218.31N	732.51E	1.10	791.28	442959.61	535257.81
4769.00	18.50	69.00	4641.43	225.55N	751.37E	0.63	811.40	442978.47	535265.05
4832.00	18.40	71.10	4701.19	232.35N	770.11E	1.07	831.29	442997.21	535271.85
4895.00	17.70	71.10	4761.09	238.68N	788.58E	1.11	850.79	443015.68	535278.18
4958.00	18.60	72.90	4820.95	244.73N	807.24E	1.68	870.40	443034.34	535284.23

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