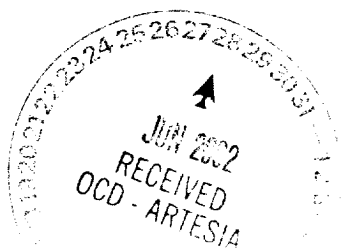


WELL COMPLETION REPORT



INDIAN HILLS UNIT 40
INDIAN BASIN
EDDY COUNTY
NEW MEXICO

API # <UNKNOWN>



May 31, 2002



INTEQ

Marathon Oil Company
Indian Hills Unit 40

slot #1
INDIAN BASIN
Eddy County New Mexico

S U R V E Y L I S T I N G

by
Baker Hughes INTEQ

Your ref : MWD/Single Shot
Our ref : svy1949
License :

Date printed : 31-May-2002
Date created : 13-May-2002
Last revised : 31-May-2002

Field is centred on n32 30 0.000,w104 30 0
Structure is centred on 442239.300,535016.700,999.00000,N

Slot location is n32 28 14.640,w104 31 14.248
Slot Grid coordinates are N 535016.700, E 442239.300
Slot local coordinates are 0.00 N 0.00 E

Projection type: mercator - New Mexico East (3001), Spheroid: Clarke - 1866

Reference North is Grid North

Marathon Oil Company
Indian Hills Unit 40, slot #1
INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 1
Your ref : MWD/Single Shot
Last revised : 31-May-2002

Measured Depth	Inclin Degrees	Azimuth Degrees	True Vert Depth	RECTANGULAR COORDINATES		Dogleg Deg/100ft	Vert Sect	GRID COORDS Easting Northing	
0.00	0.00	0.00	0.00	0.00N	0.00E	0.00	0.00	442239.30	535016.70
233.00	0.50	144.00	233.00	0.82S	0.60E	0.21	-0.31	442239.90	535015.88
473.00	0.25	142.00	472.99	2.08S	1.54E	0.10	-0.82	442240.84	535014.62
658.00	0.25	201.00	657.99	2.78S	1.64E	0.13	-0.70	442240.94	535013.92
842.00	0.25	152.00	841.99	3.51S	1.68E	0.11	-0.52	442240.98	535013.19
1057.00	0.13	179.00	1056.99	4.15S	1.91E	0.07	-0.53	442241.21	535012.55
1267.00	0.50	249.00	1266.98	4.71S	1.06E	0.22	0.45	442240.36	535011.99
1455.00	0.50	229.00	1454.98	5.54S	0.33W	0.09	2.03	442238.97	535011.16
1647.00	0.60	210.00	1646.97	6.96S	1.46W	0.11	3.55	442237.84	535009.74
1776.00	0.50	221.00	1775.96	7.97S	2.17W	0.11	4.53	442237.13	535008.73
1880.00	0.50	179.00	1879.96	8.77S	2.46W	0.34	5.05	442236.84	535007.93
1976.00	0.50	169.00	1975.96	9.60S	2.37W	0.09	5.23	442236.93	535007.10
2168.00	0.50	132.00	2167.95	10.98S	1.59W	0.17	4.91	442237.71	535005.72
2358.00	0.25	184.00	2357.94	11.95S	1.00W	0.21	4.65	442238.30	535004.75
2547.00	0.25	224.00	2546.94	12.66S	1.32W	0.09	5.17	442237.98	535004.04
2738.00	0.25	244.00	2737.94	13.14S	1.98W	0.05	5.95	442237.32	535003.56
2870.00	0.44	187.50	2869.94	13.77S	2.31W	0.28	6.46	442236.99	535002.93
3060.00	0.26	202.60	3059.94	14.89S	2.57W	0.11	7.05	442236.73	535001.81
3250.00	0.35	234.20	3249.93	15.63S	3.20W	0.10	7.89	442236.10	535001.07
3440.00	0.44	270.00	3439.93	15.97S	4.40W	0.14	9.13	442234.90	535000.73
3484.00	0.26	264.00	3483.93	15.98S	4.67W	0.42	9.39	442234.63	535000.72
3515.00	0.40	250.10	3514.93	16.02S	4.84W	0.52	9.57	442234.46	535000.68
3547.00	0.88	268.30	3546.93	16.07S	5.20W	1.61	9.92	442234.10	535000.63
3579.00	1.40	256.00	3578.92	16.17S	5.82W	1.79	10.54	442233.48	535000.53
3611.00	1.85	254.90	3610.91	16.40S	6.70W	1.41	11.45	442232.60	535000.30
3643.00	2.50	252.20	3642.88	16.75S	7.86W	2.06	12.66	442231.44	534999.95
3674.00	3.00	250.00	3673.85	17.23S	9.27W	1.65	14.15	442230.03	534999.47
3706.00	3.60	257.10	3705.79	17.74S	11.03W	2.27	15.99	442228.27	534998.96
3738.00	3.40	255.30	3737.73	18.21S	12.93W	0.71	17.93	442226.37	534998.49
3770.00	3.80	252.10	3769.67	18.77S	14.86W	1.40	19.94	442224.44	534997.93
3802.00	4.40	256.00	3801.59	19.40S	17.06W	2.07	22.23	442222.24	534997.30
3834.00	4.80	253.20	3833.49	20.08S	19.53W	1.43	24.79	442219.77	534996.62
3865.00	5.20	253.90	3864.37	20.85S	22.12W	1.31	27.49	442217.18	534995.85
3896.00	5.50	253.60	3895.23	21.65S	24.90W	0.97	30.38	442214.40	534995.05
3928.00	6.40	250.60	3927.06	22.68S	28.05W	2.97	33.69	442211.25	534994.02
3959.00	7.30	250.40	3957.84	23.91S	31.54W	2.90	37.39	442207.76	534992.79
3991.00	7.50	249.70	3989.57	25.32S	35.41W	0.69	41.51	442203.89	534991.38
4023.00	7.70	249.30	4021.29	26.80S	39.37W	0.65	45.74	442199.93	534989.90
4055.00	7.82	249.70	4053.00	28.32S	43.42W	0.41	50.06	442195.88	534988.38
4086.00	8.30	250.00	4083.69	29.81S	47.50W	1.55	54.40	442191.80	534986.89
4118.00	8.90	250.40	4115.33	31.43S	52.00W	1.88	59.18	442187.30	534985.27
4149.00	9.10	251.10	4145.95	33.03S	56.58W	0.74	64.03	442182.72	534983.67
4181.00	9.80	251.80	4177.52	34.70S	61.56W	2.22	69.28	442177.74	534982.00
4213.00	10.10	252.50	4209.03	36.40S	66.83W	1.01	74.81	442172.47	534980.30
4245.00	10.50	252.20	4240.52	38.13S	72.28W	1.26	80.53	442167.02	534978.57
4277.00	10.50	251.50	4271.98	39.95S	77.82W	0.40	86.37	442161.48	534976.75
4341.00	11.00	252.50	4334.86	43.64S	89.17W	0.83	98.30	442150.13	534973.06
4404.00	11.20	252.50	4396.68	47.28S	100.74W	0.32	110.43	442138.56	534969.42
4467.00	10.70	255.00	4458.53	50.64S	112.23W	1.09	122.39	442127.07	534966.06
4531.00	11.20	255.00	4521.37	53.78S	123.97W	0.78	134.53	442115.33	534962.92

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 896.78 on azimuth 252.49 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 251.96 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

Marathon Oil Company
Indian Hills Unit 40, slot #1
INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 2
Your ref : MWD/Single Shot
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
4594.00	10.70	253.90	4583.22	56.99S	135.50W	0.86	146.48	442103.80	534959.71
4657.00	10.50	253.20	4645.15	60.27S	146.61W	0.38	158.07	442092.69	534956.43
4721.00	10.20	253.60	4708.11	63.55S	157.63W	0.48	169.56	442081.67	534953.15
4784.00	10.20	252.70	4770.11	66.79S	168.31W	0.25	180.72	442070.99	534949.91
4848.00	10.60	250.40	4833.06	70.45S	179.26W	0.90	192.27	442060.04	534946.25
4912.00	10.50	251.90	4895.98	74.23S	190.35W	0.46	203.98	442048.95	534942.47
4975.00	10.60	252.20	4957.91	77.79S	201.33W	0.18	215.52	442037.97	534938.91
5039.00	10.90	251.50	5020.79	81.51S	212.67W	0.51	227.46	442026.63	534935.19
5102.00	10.80	251.10	5082.66	85.31S	223.90W	0.20	239.31	442015.40	534931.39
5165.00	10.80	254.00	5144.55	88.85S	235.16W	0.86	251.11	442004.14	534927.85
5229.00	10.90	254.90	5207.40	92.08S	246.77W	0.31	263.15	441992.53	534924.62
5292.00	11.10	254.60	5269.24	95.24S	258.36W	0.33	275.16	441980.94	534921.46
5355.00	10.90	253.90	5331.09	98.50S	269.93W	0.38	287.17	441969.37	534918.20
5418.00	10.50	255.00	5392.99	101.64S	281.20W	0.71	298.85	441958.10	534915.06
5481.00	10.50	253.20	5454.94	104.79S	292.24W	0.52	310.32	441947.06	534911.91
5543.00	10.60	253.60	5515.89	108.03S	303.12W	0.20	321.67	441936.18	534908.67
5606.00	10.60	253.60	5577.81	111.30S	314.24W	0.00	333.26	441925.06	534905.40
5670.00	10.60	253.20	5640.72	114.66S	325.52W	0.11	345.03	441913.78	534902.04
5733.00	10.60	253.90	5702.65	117.95S	336.63W	0.20	356.61	441902.67	534898.75
5797.00	10.40	255.30	5765.58	121.04S	347.88W	0.51	368.26	441891.42	534895.66
5860.00	10.40	256.40	5827.54	123.82S	358.90W	0.32	379.61	441880.40	534892.88
5923.00	10.30	256.40	5889.52	126.49S	369.90W	0.16	390.89	441869.40	534890.21
5986.00	10.30	258.50	5951.50	128.93S	380.90W	0.60	402.10	441858.40	534887.77
6049.00	10.50	257.40	6013.47	131.31S	392.02W	0.45	413.41	441847.28	534885.39
6111.00	10.30	254.30	6074.45	134.04S	402.87W	0.96	424.57	441836.43	534882.66
6175.00	10.20	252.50	6137.43	137.29S	413.78W	0.52	435.96	441825.52	534879.41
6238.00	10.30	252.90	6199.42	140.63S	424.49W	0.19	447.17	441814.81	534876.07
6300.00	10.30	253.90	6260.42	143.79S	435.11W	0.29	458.25	441804.19	534872.91
6362.00	10.00	254.60	6321.45	146.76S	445.62W	0.52	469.17	441793.68	534869.94
6426.00	9.80	256.00	6384.50	149.55S	456.27W	0.49	480.15	441783.03	534867.15
6491.00	9.90	254.90	6448.54	152.35S	467.03W	0.33	491.25	441772.27	534864.35
6552.00	10.40	256.40	6508.59	155.01S	477.44W	0.93	501.97	441761.86	534861.69
6617.00	10.90	253.50	6572.47	158.13S	489.04W	1.13	513.97	441750.26	534858.57
6680.00	10.80	256.40	6634.34	161.21S	500.49W	0.88	525.81	441738.81	534855.49
6742.00	10.50	254.60	6695.27	164.08S	511.58W	0.72	537.24	441727.72	534852.62
6803.00	10.10	255.30	6755.29	166.91S	522.11W	0.69	548.13	441717.19	534849.79
6863.00	10.10	255.30	6814.36	169.58S	532.29W	0.00	558.64	441707.01	534847.12
6925.00	10.60	253.90	6875.35	172.54S	543.03W	0.90	569.76	441696.27	534844.16
6987.00	11.10	251.10	6936.24	176.06S	554.15W	1.17	581.43	441685.15	534840.64
7049.00	11.60	250.00	6997.03	180.12S	565.65W	0.88	593.63	441673.65	534836.58
7112.00	11.60	247.90	7058.74	184.67S	577.48W	0.67	606.28	441661.82	534832.03
7175.00	12.00	250.40	7120.41	189.25S	589.51W	1.03	619.14	441649.79	534827.45
7239.00	11.60	251.80	7183.06	193.49S	601.89W	0.77	632.23	441637.41	534823.21
7301.00	10.50	256.40	7243.91	196.77S	613.31W	2.27	644.09	441625.99	534819.93
7364.00	9.80	261.30	7305.93	198.93S	624.19W	1.76	655.11	441615.11	534817.77
7424.00	10.10	261.30	7365.02	200.50S	634.44W	0.50	665.34	441604.86	534816.20
7491.00	10.60	259.60	7430.93	202.50S	646.30W	0.87	677.24	441593.00	534814.20
7553.00	11.80	257.40	7491.75	204.91S	658.10W	2.05	689.20	441581.20	534811.79
7616.00	11.50	257.80	7553.45	207.64S	670.52W	0.49	701.86	441568.78	534809.06
7680.00	11.40	257.40	7616.18	210.37S	682.93W	0.20	714.51	441556.37	534806.33

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 896.78 on azimuth 252.49 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 251.96 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

Marathon Oil Company
Indian Hills Unit 40, slot #1
INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 3
Your ref : MWD/Single Shot
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 C O O R D S Easting Northing	
7744.00	10.90	253.60	7678.97	213.46S	694.91W	1.39	726.85	441544.39	534803.24
7808.00	10.40	251.10	7741.87	217.04S	706.18W	1.06	738.68	441533.12	534799.66
7871.00	10.10	253.20	7803.86	220.48S	716.85W	0.76	749.89	441522.45	534796.22
7935.00	9.10	254.90	7866.97	223.42S	727.11W	1.62	760.55	441512.19	534793.28
7998.00	9.30	252.20	7929.16	226.27S	736.76W	0.76	770.62	441502.54	534790.43
8061.00	10.30	250.40	7991.24	229.72S	746.92W	1.66	781.34	441492.38	534786.98
8124.00	10.40	250.10	8053.21	233.54S	757.57W	0.18	792.65	441481.73	534783.16
8188.00	10.70	250.10	8116.13	237.53S	768.59W	0.47	804.36	441470.71	534779.17
8250.00	11.30	249.70	8176.99	241.60S	779.70W	0.98	816.19	441459.60	534775.10
8313.00	10.80	251.80	8238.82	245.58S	791.09W	1.02	828.26	441448.21	534771.12
8376.00	10.50	251.50	8300.74	249.25S	802.15W	0.48	839.90	441437.15	534767.45
8438.00	10.10	249.30	8361.74	252.96S	812.59W	0.90	850.98	441426.71	534763.74
8500.00	10.40	250.00	8422.75	256.80S	822.93W	0.52	862.00	441416.37	534759.90
8564.00	9.90	248.30	8485.75	260.81S	833.47W	0.91	873.27	441405.83	534755.89
8645.00	10.00	247.20	8565.53	266.11S	846.43W	0.27	887.22	441392.87	534750.59
8700.00	10.00	247.20	8619.69	269.81S	855.23W	0.00	896.74	441384.07	534746.89

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 896.78 on azimuth 252.49 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 251.96 degrees.
Grid is mercator - New Mexico East (3001).
Grid coordinates in FEET and computed using the Clarke - 1866 spheroid
Presented by Baker Hughes INTEQ

Marathon Oil Company
Indian Hills Unit 40, slot #1
INDIAN BASIN, Eddy County New Mexico

SURVEY LISTING Page 4
Your ref : MWD/Single Shot
Last revised : 31-May-2002

Comments in wellpath			
MD	TVD	Rectangular Coords.	Comment
233.00	233.00	0.82S	0.60E SS
473.00	472.99	2.08S	1.54E SS
658.00	657.99	2.78S	1.64E SS
842.00	841.99	3.51S	1.68E SS
1057.00	1056.99	4.15S	1.91E SS
1267.00	1266.98	4.71S	1.06E SS
1455.00	1454.98	5.54S	0.33W SS
1647.00	1646.97	6.96S	1.46W SS
1776.00	1775.96	7.97S	2.17W SS
1880.00	1879.96	8.77S	2.46W SS
1976.00	1975.96	9.60S	2.37W SS
2168.00	2167.95	10.98S	1.59W SS
2358.00	2357.94	11.95S	1.00W SS
2547.00	2546.94	12.66S	1.32W SS
2738.00	2737.94	13.14S	1.98W SS

NO PROPOSAL