

MARATHON OIL COMPANY
Indian Hills Unit No.22,slot #1
Indian Basin,EDDY COUNTY, NM.

SURVEY LISTING Page 3
Your ref : Gyro/MWD/SLB Log
Last revised : 11-Jul-2000

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
5086.00	16.00	36.40	5055.16	170.14 N 215.96 E	0.38	271.71
5180.00	16.30	37.40	5145.45	191.05 N 231.66 E	0.44	297.71
5274.00	16.40	36.70	5235.65	212.17 N 247.61 E	0.24	324.03
5367.00	15.40	36.40	5325.09	232.63 N 262.78 E	1.08	349.35
5462.00	14.50	36.70	5416.87	252.32 N 277.37 E	0.95	373.70
5585.00	15.40	39.20	5535.71	277.33 N 296.90 E	0.90	405.30
5679.00	15.30	39.90	5626.36	296.51 N 312.74 E	0.22	430.14
5773.00	14.80	39.20	5717.13	315.33 N 328.28 E	0.57	454.50
5868.00	14.80	38.80	5808.98	334.19 N 343.56 E	0.11	478.71
5931.00	15.60	37.80	5869.78	347.15 N 353.79 E	1.34	495.17
5993.00	15.10	37.80	5929.57	360.12 N 363.85 E	0.81	511.52
6054.00	15.00	39.20	5988.47	372.52 N 373.71 E	0.62	527.31
6115.00	14.90	39.50	6047.41	384.69 N 383.69 E	0.21	543.01
6208.00	15.60	39.50	6137.13	403.56 N 399.25 E	0.75	567.43
6299.00	15.60	38.50	6224.78	422.58 N 414.65 E	0.30	591.84
6392.00	15.60	37.80	6314.36	442.25 N 430.10 E	0.20	616.76
6484.00	14.90	40.20	6403.12	461.06 N 445.31 E	1.02	640.89
6578.00	15.00	41.70	6493.93	479.37 N 461.20 E	0.43	665.13
6672.00	15.10	43.10	6584.71	497.39 N 477.66 E	0.40	689.53
6766.00	15.10	43.40	6675.47	515.23 N 494.44 E	0.08	714.02
6861.00	15.10	43.40	6767.18	533.21 N 511.44 E	0.00	738.77
6956.00	15.40	42.70	6858.84	551.47 N 528.50 E	0.37	763.75
7049.00	15.40	39.90	6948.50	570.02 N 544.80 E	0.80	788.43
7141.00	15.60	38.50	7037.16	589.07 N 560.33 E	0.46	812.96
7234.00	16.00	37.90	7126.64	608.97 N 575.99 E	0.46	838.20

All data is in feet unless otherwise stated.

Coordinates from slot #1 and TVD from rotary table.

Bottom hole distance is 1180.74 on azimuth 44.22 degrees from wellhead.

Vertical section is from N 0.00 E 0.00 on azimuth 42.99 degrees.

Calculation uses the minimum curvature method.

Presented by Baker Hughes INTEQ