

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

SURVEY LISTING Page 4
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
7327.00	14.50	36.70	7216.37	628.42 N 590.82 E	1.65	862.54
7421.00	13.70	36.40	7307.53	646.82 N 604.46 E	0.85	885.29
7515.00	13.50	37.80	7398.90	664.44 N 617.79 E	0.41	907.28
7577.00	13.30	39.20	7459.21	675.69 N 626.73 E	0.61	921.60
7608.00	13.30	39.20	7489.38	681.22 N 631.24 E	0.00	928.72
7639.00	13.30	38.80	7519.55	686.76 N 635.73 E	0.30	935.83
7670.00	13.50	38.80	7549.70	692.36 N 640.23 E	0.65	943.00
7702.00	14.10	38.10	7580.78	698.34 N 644.98 E	1.95	950.60
7733.00	14.60	39.20	7610.81	704.33 N 649.78 E	1.84	958.27
7765.00	15.10	40.20	7641.74	710.64 N 655.02 E	1.76	966.45
7795.00	15.40	41.70	7670.69	716.60 N 660.19 E	1.65	974.34
7893.00	13.90	45.20	7765.50	734.61 N 677.20 E	1.78	999.11
7950.00	13.46	47.88	7820.88	743.89 N 686.98 E	1.35	1012.57
8000.00	11.65	48.31	7869.68	751.15 N 695.07 E	3.63	1023.39
8050.00	11.42	48.69	7918.67	757.78 N 702.56 E	0.48	1033.34
8100.00	11.65	49.77	7967.66	764.30 N 710.13 E	0.63	1043.28
8150.00	11.96	50.90	8016.61	770.83 N 718.00 E	0.77	1053.42
8200.00	12.01	52.23	8065.52	777.28 N 726.13 E	0.57	1063.69
8250.00	12.20	53.85	8114.41	783.59 N 734.51 E	0.77	1074.01
8300.00	12.36	54.81	8163.26	789.79 N 743.15 E	0.52	1084.44
8350.00	12.46	55.13	8212.09	795.95 N 751.95 E	0.24	1094.95
8400.00	12.63	54.87	8260.90	802.18 N 760.84 E	0.36	1105.57
8450.00	12.79	54.78	8309.68	808.52 N 769.83 E	0.33	1116.33
8500.00	12.88	54.44	8358.43	814.95 N 778.88 E	0.23	1127.21
8550.00	12.93	54.82	8407.16	821.41 N 787.99 E	0.20	1138.15

Tie on to MWD w/ SLB Log

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