

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

SURVEY LISTING Page 2
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
3925.00	4.10	34.00	3924.05	31.15 S	3.55	21.34
3956.00	5.30	33.60	3954.94	29.04 S	3.87	23.85
3987.00	6.30	33.90	3985.78	26.43 S	3.23	26.94
4019.00	6.80	36.40	4017.57	23.45 S	1.80	30.56
4050.00	6.70	38.50	4048.36	20.56 S	0.86	34.18
4081.00	7.30	38.80	4079.13	17.61 S	1.94	37.95
4113.00	7.60	38.10	4110.86	14.36 S	0.98	42.09
4144.00	8.00	39.20	4141.57	11.07 S	1.38	46.28
4175.00	8.30	38.10	4172.26	7.64 S	1.09	50.66
4205.00	9.10	38.50	4201.91	4.08 S	2.67	55.19
4236.00	9.80	38.10	4232.49	0.08 S	2.27	60.26
4268.00	10.80	37.50	4263.97	4.44 N	3.14	65.96
4299.00	11.80	37.10	4294.37	9.27 N	3.24	72.00
4330.00	12.60	37.10	4324.67	14.49 N	2.58	78.52
4391.00	13.30	37.40	4384.12	25.38 N	1.15	92.12
4423.00	13.30	37.40	4415.26	31.22 N	0.00	99.45
4454.00	13.40	37.10	4445.43	36.92 N	0.39	106.57
4486.00	14.20	37.40	4476.50	43.00 N	2.51	114.16
4523.00	14.90	37.40	4512.31	50.38 N	1.89	123.41
4585.00	15.00	36.70	4572.22	63.15 N	0.33	139.32
4647.00	15.00	36.70	4632.10	76.01 N	0.00	155.27
4741.00	15.20	36.40	4722.86	95.68 N	0.23	179.61
4836.00	15.10	36.20	4814.56	115.69 N	0.12	204.26
4898.00	15.20	36.40	4874.40	128.75 N	0.18	220.36
4992.00	16.30	37.10	4964.87	149.19 N	1.19	245.72

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