

Marathon Oil Company
Indian Hills Unit No. 29, slot #1
Indian Basin, EDDY COUNTY, NM.

SURVEY LISTING Page 2
Your ref : GeoQuest Survey
Last revised : 12-Feb-2001

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
4914.00	6.20	222.00	4913.41	8.52 N	30.05 W	3.50	-8.52
4941.00	6.90	220.20	4940.23	6.20 N	32.07 W	2.70	-6.20
4972.00	7.60	216.30	4970.99	3.13 N	34.49 W	2.76	-3.13
5003.00	8.20	213.50	5001.69	0.37 S	36.92 W	2.30	0.37
5034.00	8.50	211.80	5032.36	4.16 S	39.35 W	1.25	4.16
5065.00	8.90	208.60	5063.01	8.21 S	41.70 W	2.03	8.21
5097.00	9.50	205.80	5094.59	12.76 S	44.04 W	2.34	12.76
5130.00	10.10	201.90	5127.11	17.90 S	46.30 W	2.71	17.90
5165.00	10.80	196.30	5161.53	23.89 S	48.37 W	3.52	23.89
5196.00	11.70	192.80	5191.94	29.75 S	49.88 W	3.64	29.75
5230.00	12.20	188.30	5225.20	36.66 S	51.16 W	3.11	36.66
5267.00	12.60	183.60	5261.34	44.56 S	51.98 W	2.93	44.56
5320.00	12.70	179.80	5313.05	56.16 S	52.32 W	1.58	56.16
5380.00	12.60	178.70	5371.60	69.29 S	52.15 W	0.43	69.29
5442.00	12.40	177.70	5432.13	82.71 S	51.73 W	0.48	82.71
5503.00	12.00	177.70	5491.75	95.59 S	51.21 W	0.66	95.59
5566.00	11.60	177.00	5553.42	108.46 S	50.62 W	0.67	108.46
5598.00	11.80	174.90	5584.75	114.93 S	50.16 W	1.47	114.93
5629.00	12.10	174.50	5615.08	121.32 S	49.57 W	1.00	121.32
5658.00	12.40	173.80	5643.42	127.44 S	48.94 W	1.15	127.44
5689.00	13.00	172.40	5673.66	134.21 S	48.12 W	2.18	134.21
5720.00	13.40	172.10	5703.84	141.22 S	47.16 W	1.31	141.22
5751.00	13.80	171.70	5733.98	148.44 S	46.14 W	1.33	148.44
5783.00	13.70	172.70	5765.06	155.97 S	45.10 W	0.81	155.97
5845.00	13.30	172.70	5825.34	170.33 S	43.26 W	0.65	170.33
5908.00	13.80	172.40	5886.59	184.96 S	41.35 W	0.80	184.96
5970.00	14.40	173.80	5946.72	199.96 S	39.54 W	1.11	199.96
6002.00	14.20	176.00	5977.73	207.83 S	38.84 W	1.81	207.83
6032.00	14.00	177.30	6006.83	215.12 S	38.41 W	1.25	215.12
6062.00	13.80	176.60	6035.95	222.32 S	38.03 W	0.87	222.32
6093.00	13.90	176.60	6066.05	229.73 S	37.59 W	0.32	229.73
6123.00	14.10	174.90	6095.16	236.97 S	37.05 W	1.52	236.97
6155.00	14.40	174.20	6126.17	244.81 S	36.30 W	1.08	244.81
6187.00	14.90	174.90	6157.13	252.86 S	35.53 W	1.66	252.86
6218.00	15.10	175.60	6187.08	260.86 S	34.87 W	0.87	260.86
6250.00	15.40	173.80	6217.95	269.24 S	34.09 W	1.75	269.24
6313.00	15.70	174.20	6278.64	286.04 S	32.32 W	0.51	286.04
6375.00	16.20	173.10	6338.26	302.97 S	30.44 W	0.94	302.97
6438.00	16.30	176.30	6398.74	320.51 S	28.81 W	1.43	320.51
6489.00	16.10	176.90	6447.72	334.72 S	27.97 W	0.51	334.72
6500.00	16.00	177.70	6458.29	337.76 S	27.82 W	2.21	337.76
6561.00	15.90	176.60	6516.94	354.50 S	26.99 W	0.52	354.50
6623.00	16.40	176.70	6576.49	371.71 S	25.98 W	0.81	371.71
6654.00	16.90	177.70	6606.19	380.58 S	25.55 W	1.86	380.58
6685.00	17.30	177.30	6635.82	389.69 S	25.15 W	1.34	389.69
6715.00	17.30	177.50	6664.46	398.60 S	24.75 W	0.20	398.60
6747.00	17.80	177.30	6694.97	408.24 S	24.31 W	1.57	408.24
6778.00	17.60	176.40	6724.51	417.65 S	23.79 W	1.09	417.65
6810.00	17.30	177.90	6755.03	427.24 S	23.31 W	1.69	427.24
6840.00	16.80	178.10	6783.72	436.03 S	23.01 W	1.68	436.03

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 801.50 on azimuth 182.07 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 180.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ