

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

SURVEY LISTING Page 1
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
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00	0.00
100.00	0.14	266.46	100.00	0.01 S	0.12 W	0.14	0.01
200.00	0.17	275.11	200.00	0.00 S	0.39 W	0.03	0.00
300.00	0.00	49.17	300.00	0.01 N	0.53 W	0.17	-0.01
400.00	0.17	266.30	400.00	0.00 N	0.68 W	0.17	0.00
500.00	0.08	187.12	500.00	0.08 S	0.83 W	0.17	0.08
600.00	0.20	293.95	600.00	0.08 S	1.00 W	0.24	0.08
700.00	0.22	255.38	700.00	0.06 S	1.34 W	0.14	0.06
800.00	0.13	293.51	800.00	0.06 S	1.62 W	0.14	0.06
900.00	0.24	17.14	900.00	0.18 N	1.66 W	0.26	-0.18
1000.00	0.20	316.58	1000.00	0.51 N	1.72 W	0.23	-0.51
1100.00	0.34	319.45	1100.00	0.87 N	2.03 W	0.15	-0.87
1200.00	0.23	319.24	1199.99	1.25 N	2.36 W	0.12	-1.25
1300.00	0.24	318.38	1299.99	1.55 N	2.63 W	0.01	-1.55
1400.00	0.41	301.91	1399.99	1.90 N	3.07 W	0.19	-1.90
1500.00	0.32	315.12	1499.99	2.28 N	3.56 W	0.12	-2.28
1600.00	0.48	280.93	1599.99	2.56 N	4.17 W	0.28	-2.56
1700.00	0.45	258.47	1699.98	2.56 N	4.97 W	0.18	-2.56
1800.00	0.36	273.24	1799.98	2.50 N	5.67 W	0.14	-2.50
1900.00	0.49	272.44	1899.98	2.53 N	6.41 W	0.13	-2.53
2000.00	0.40	274.12	1999.98	2.58 N	7.18 W	0.09	-2.58
2100.00	0.35	273.85	2099.97	2.62 N	7.83 W	0.05	-2.62
2200.00	0.00	38.37	2199.97	2.64 N	8.13 W	0.35	-2.64
2300.00	0.12	100.84	2299.97	2.62 N	8.03 W	0.12	-2.62
2400.00	0.28	24.97	2399.97	2.83 N	7.83 W	0.28	-2.83
2500.00	0.04	325.04	2499.97	3.08 N	7.74 W	0.27	-3.08
2600.00	0.14	17.54	2599.97	3.23 N	7.72 W	0.12	-3.23
2700.00	0.27	346.15	2699.97	3.57 N	7.74 W	0.16	-3.57
2800.00	0.33	313.68	2799.97	4.00 N	8.01 W	0.18	-4.00
2900.00	0.32	339.88	2899.97	4.46 N	8.31 W	0.15	-4.46
3000.00	0.17	5.67	2999.97	4.87 N	8.39 W	0.18	-4.87
3100.00	0.39	331.74	3099.97	5.32 N	8.54 W	0.27	-5.32
3200.00	0.38	11.00	3199.96	5.95 N	8.64 W	0.26	-5.95
3300.00	0.27	5.29	3299.96	6.50 N	8.56 W	0.11	-6.50
3400.00	0.22	352.63	3399.96	6.93 N	8.56 W	0.07	-6.93
3500.00	0.37	347.16	3499.96	7.43 N	8.66 W	0.15	-7.43
3600.00	0.34	344.90	3599.96	8.03 N	8.80 W	0.03	-8.03
3700.00	0.34	350.29	3699.96	8.62 N	8.93 W	0.03	-8.62
3800.00	0.33	346.70	3799.96	9.19 N	9.05 W	0.03	-9.19
3900.00	0.27	332.10	3899.95	9.68 N	9.23 W	0.10	-9.68
3970.00	0.32	341.60	3969.95	10.01 N	9.36 W	0.10	-10.01 Tie on to gyro w/ MWD
4160.00	0.35	329.50	4159.95	11.02 N	9.83 W	0.04	-11.02
4350.00	0.40	301.80	4349.95	11.87 N	10.69 W	0.10	-11.87
4545.00	2.20	277.20	4544.89	12.69 N	14.98 W	0.95	-12.69
4687.00	1.40	276.20	4686.82	13.22 N	19.41 W	0.56	-13.22
4733.00	2.20	275.40	4732.79	13.37 N	20.84 W	1.74	-13.37
4765.00	2.40	276.50	4764.77	13.50 N	22.12 W	0.64	-13.50
4796.00	2.40	266.30	4795.74	13.53 N	23.41 W	1.38	-13.53
4827.00	2.90	243.10	4826.71	13.14 N	24.76 W	3.78	-13.14
4879.00	5.10	227.50	4878.58	10.98 N	27.64 W	4.68	-10.98

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