

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

SURVEY LISTING Page 3
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	
6872.00	16.80	179.10	6814.35	445.27 S	22.78 W	0.90	445.27	
6903.00	17.10	178.00	6844.00	454.31 S	22.55 W	1.42	454.31	
6935.00	17.40	177.90	6874.56	463.79 S	22.21 W	0.94	463.79	
6965.00	17.20	178.40	6903.21	472.71 S	21.92 W	0.83	472.71	
6997.00	17.30	178.30	6933.77	482.19 S	21.65 W	0.33	482.19	
7027.00	17.50	178.50	6962.40	491.16 S	21.40 W	0.70	491.16	
7058.00	17.40	178.70	6991.97	500.45 S	21.17 W	0.38	500.45	
7152.00	18.20	178.10	7081.47	529.18 S	20.37 W	0.87	529.18	
7183.00	18.00	177.50	7110.93	538.80 S	20.00 W	0.88	538.80	
7214.00	17.90	178.10	7140.43	548.35 S	19.63 W	0.68	548.35	
7244.00	17.80	178.70	7168.98	557.54 S	19.37 W	0.70	557.54	
7306.00	16.90	178.50	7228.16	576.02 S	18.92 W	1.45	576.02	
7337.00	16.50	178.70	7257.85	584.93 S	18.70 W	1.30	584.93	
7400.00	15.30	179.50	7318.44	602.18 S	18.43 W	1.94	602.18	
7460.00	14.50	180.00	7376.42	617.61 S	18.36 W	1.35	617.61	
7521.00	14.30	180.10	7435.51	632.78 S	18.37 W	0.33	632.78	
7582.00	13.80	180.30	7494.68	647.59 S	18.42 W	0.82	647.59	
7619.00	13.30	179.00	7530.65	656.26 S	18.37 W	1.58	656.26	GeoQuest Tie-in to MWD
7640.00	10.00	178.70	7551.22	660.50 S	18.29 W	15.72	660.50	
7890.00	8.60	179.20	7797.92	700.89 S	17.54 W	0.56	700.89	
7940.00	7.80	180.30	7847.41	708.02 S	17.50 W	1.63	708.02	
7990.00	7.70	180.20	7896.96	714.76 S	17.53 W	0.20	714.76	
8040.00	7.90	180.60	7946.49	721.55 S	17.58 W	0.41	721.55	
8090.00	7.90	182.90	7996.02	728.42 S	17.79 W	0.63	728.42	
8140.00	7.90	183.80	8045.54	735.28 S	18.19 W	0.25	735.28	
8190.00	7.90	184.70	8095.07	742.13 S	18.70 W	0.25	742.13	
8240.00	7.70	186.50	8144.61	748.88 S	19.36 W	0.63	748.88	
8290.00	7.50	187.00	8194.17	755.45 S	20.14 W	0.42	755.45	
8340.00	7.50	187.60	8243.74	761.92 S	20.97 W	0.16	761.92	
8390.00	7.30	189.00	8293.32	768.30 S	21.89 W	0.54	768.30	
8440.00	7.40	190.20	8342.91	774.60 S	22.96 W	0.37	774.60	
8490.00	7.70	192.20	8392.48	781.04 S	24.24 W	0.80	781.04	
8540.00	8.00	192.10	8442.01	787.72 S	25.68 W	0.60	787.72	
8590.00	8.00	193.20	8491.52	794.51 S	27.20 W	0.31	794.51	
8640.00	7.40	196.70	8541.07	800.98 S	28.92 W	1.52	800.98	

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