

MARATHON OIL COMPANY
J.M. DENTON NO. 14, EMS
DENTON, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 2
Your ref :
Last revised : 13-Nov-96

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
2765.00	0.40	245.39	2764.89	15.30 S 0.70 E	0.03	10.92
2856.00	0.62	189.02	2855.89	15.92 S 0.34 E	0.57	11.07
2946.00	0.89	165.47	2945.88	17.07 S 0.43 E	0.45	11.93
3037.00	0.99	143.52	3036.87	18.39 S 1.08 E	0.41	13.30
3128.00	0.39	180.28	3127.86	19.33 S 1.54 E	0.79	14.28
3219.00	0.89	129.38	3218.85	20.09 S 2.09 E	0.78	15.19
3309.00	0.31	38.76	3308.85	20.34 S 2.78 E	1.05	15.87
3400.00	0.53	114.15	3399.85	20.32 S 3.32 E	0.60	16.25
3491.00	0.83	42.13	3490.84	20.01 S 4.15 E	0.92	16.65
3582.00	1.08	54.51	3581.83	19.02 S 5.29 E	0.36	16.81
3673.00	0.69	34.73	3672.82	18.07 S 6.30 E	0.54	16.91
3764.00	0.31	80.73	3763.82	17.58 S 6.85 E	0.58	16.98
3854.00	0.30	0.94	3853.82	17.31 S 7.09 E	0.43	16.97
3945.00	0.18	353.01	3944.81	16.93 S 7.08 E	0.14	16.71
4036.00	0.53	43.03	4035.81	16.49 S 7.35 E	0.48	16.60
4126.00	0.62	59.05	4125.81	15.93 S 8.06 E	0.20	16.74
4217.00	0.60	77.14	4216.80	15.57 S 8.94 E	0.21	17.15
4308.00	0.78	88.63	4307.80	15.45 S 10.03 E	0.25	17.86
4399.00	0.85	81.61	4398.79	15.34 S 11.32 E	0.13	18.72
4489.00	0.73	57.74	4488.78	14.93 S 12.46 E	0.39	19.29
4671.00	0.58	63.67	4670.77	13.90 S 14.28 E	0.09	19.92
4732.00	0.38	23.75	4731.77	13.58 S 14.64 E	0.63	19.96
4798.00	0.75	69.00	4797.76	13.22 S 15.13 E	0.84	20.08
4892.00	0.50	179.00	4891.76	13.41 S 15.71 E	1.10	20.64
4986.00	0.75	244.00	4985.75	14.09 S 15.16 E	0.75	20.70

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from wellhead.
Bottom hole distance is 219.69 on azimuth 338.85 degrees from wellhead.
Vertical section is from wellhead on azimuth 132.85 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ