

MARATHON OIL COMPANY
Hansen State #9, slot #1
Monument North, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 4
Your ref : Gyro/MWD
Last revised : 15-Jul-1999

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
7150.00	15.60	33.20	7145.78	144.41 S	45.01	-144.41
7155.00	18.10	32.70	7150.56	143.19 S	50.08	-143.19
7162.00	21.80	31.70	7157.14	141.17 S	53.08	-141.17
7177.00	28.90	27.90	7170.69	135.59 S	48.54	-135.59
7192.00	35.30	20.90	7183.39	128.33 S	49.29	-128.33
7210.00	42.40	14.40	7197.41	117.57 S	45.44	-117.57
7222.00	46.60	12.40	7205.97	109.39 S	36.89	-109.39
7240.00	53.00	10.70	7217.58	95.93 S	36.28	-95.93
7255.00	58.10	8.80	7226.06	83.74 S	35.57	-83.74
7270.00	63.20	7.40	7233.41	70.80 S	34.96	-70.80
7286.00	69.00	5.70	7239.89	56.28 S	37.53	-56.28
7301.00	74.50	4.10	7244.59	42.09 S	38.04	-42.09
7317.00	80.80	2.10	7248.01	26.49 S	41.22	-26.49
7327.00	84.80	0.80	7249.26	16.57 S	42.03	-16.57
7340.00	89.40	359.80	7249.92	3.60 S	36.21	-3.60
7348.00	90.60	0.20	7249.92	4.40 N	15.81	4.40
7365.00	91.20	0.50	7249.65	21.40 N	3.95	21.40
7380.00	92.20	0.50	7249.21	36.39 N	6.67	36.39
7395.00	93.20	0.10	7248.50	51.38 N	7.18	51.38
7412.00	94.40	359.20	7247.38	68.34 N	8.82	68.34
7444.00	95.00	358.50	7244.75	100.23 N	2.88	100.23
7476.00	96.20	357.80	7241.63	132.06 N	4.34	132.06
7507.00	97.60	357.50	7237.91	162.80 N	4.62	162.80
7539.00	97.80	357.60	7233.62	194.49 N	0.70	194.49
7570.00	97.30	357.60	7229.55	225.19 N	1.61	225.19

All data is in feet unless otherwise stated.
Coordinates from slot #1 and TVD from rotary table.
Bottom hole distance is 1814.50 on azimuth 356.73 degrees from wellhead.
Vertical section is from N 0.00 W 0.00 on azimuth 0.00 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes INTEQ