

MARATHON
 Royal State No. 1, slot #1
 UNKNOWN, LEA COUNTY, NEW MEXICO

SURVEY LISTING Page 4
 Your ref :
 Last revised : 31-Jan-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
039.00	4.20	254.00	7031.94	88.02 N 10.06 W	1.55	88.02
155.00	3.00	259.00	7147.71	86.27 N 17.12 W	1.07	86.27
278.00	3.00	267.00	7270.54	85.49 N 23.49 W	0.34	85.49
403.00	2.70	250.00	7395.39	84.31 N 29.53 W	0.71	84.31
527.00	2.70	260.00	7519.25	82.80 N 35.15 W	0.38	82.80
7684.00	1.70	278.00	7676.14	82.49 N 41.10 W	0.77	82.49
7841.00	1.70	274.00	7833.07	82.97 N 45.72 W	0.08	82.97

All data is in feet unless otherwise stated
 Coordinates from slot #1 and TVD from wellhead.
 Vertical section is from wellhead on azimuth 0.00 degrees.
 Declination is 0.00 degrees, Convergence is -0.82 degrees.
 Calculation uses the minimum curvature method.
 Presented by Baker Hughes INTEQ