

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

SURVEY LISTING Page 5
 Your ref :
 Last revised : 31-Jan-96

Comments in wellpath
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MD	TVD	Rectangular Coords.	Comment
5823.00	5820.86	91.11 N 91.50 E	GYRO F/ SURFACE
5849.00	5846.86	91.33 N 91.98 E	STEERING TOOL
6072.00	6069.59	89.21 N 83.70 E	SINGLE SHOT

Targets associated with this wellpath
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Target name	Position	T.V.D. Local rectangular coords.	Date revised
TARGET BOTTOM	not specified	7750.00 100.00N	0.00E 12-Sep-95
TARGET TOP	not specified	6695.00 100.00N	0.00E 12-Sep-95

All data is in feet unless otherwise stated.
 Coordinates from slot #1 and TVD from wellhead.
 Bottom hole distance is 94.74 on azimuth 331.14 degrees 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