

A Gyrodata Directional Survey

for

Marathon Oil Company

Location: NABORS #311, EDDY COUNTY, NEW MEXICO
Well: INDIAN HILLS #30, 5" DRILLPIPE

Job Number: MD0601GMO236

Run Date: 6/6/01 5:00:00 PM

Surveyor: John Zugg

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.461690 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Proposed Well Direction: 20.730 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

