

A Gyrodata Directional Survey

for

Yates Petroleum

Location: PATTERSON-UTI #504, LEA COUNTY, NEW MEXICO
Well: KOALA AXZ STATE #1, 4-1/2" DRILLPIPE

Job Number: MD0801GMW305

Run Date: 9/20/01 2:02:16 PM

Surveyor: Tom Morren Mike Martinez

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 33.268740 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location