

A Gyrodata Directional Survey

for

READ & STEVENS

Location: PATTERSON "46", LEA COUNTY, NEW MEXICO  
Well: LIBERTY "4" #1, 4-1/2" DRILLPIPE

Job Number: MD0601GMW265

Run Date: 6/27/01 3:30:00 AM

Surveyor: John Zugg

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.600100 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

6/27/01  
JZ