

A Gyrodata Directional Survey

for

YATES PETROLUME

WELL: LOWE STAPLES AWR FED #1, 7 1/2" CASING

Location: PATTERSON/UTI #512, EDDY COUNTY N.M

Job Number: MD0601GMW228

Run Date: 3-Jun-01 21:11:57

Surveyor: JAMES TAYLOR

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.461780 deg. N

Azimuth Correction:

Rate-Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference