

A Gyrodata Directional Survey

for

YATES PETROLEUM

WELL: #1, 4 1/2 INCH DRILLPIPE

Location: NORTON RIG #16, EDDY COUNTY NEW MEXICO, CONCHO ACT

Job Number: M0699GMW795

Run Date: 29-Jun-99 00:48:59

Surveyor: RANDY SCANNELL

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.000000 deg. N

Magnetic Correction:

Magnetic-Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Losses Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference