

A Gyrodata Directional Survey

for

MANZANO OIL CORP.

WELL: HOLE "N" ONE #1

Location: W.E.K. #4\LEA COUNTY, NEW MEXICO

Job Number: H1097GME659

Run Date: 17-Oct-97 11:33:08

Surveyor: LYNN DUNCAN

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.600000 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 Local Horizontal Reference

ATTN: DONNIE BROWN
MANZANO OIL CORP.