

A G y r o d a t a D i r e c t i o n a l S u r v e y

for

BURLINGTON RESOURCES

WELL: FEDERAL #1 (*Justis "28" Federal #1*)

Location: PATTERSON 75 JUSTIS ABO, LEA CO. N.M.

Job Number: H0897GBM547

Run Date: 31-Aug-97 11:20:50

Surveyor: Fred Cabiad

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.100000 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Proposed Well Direction: 192.730 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference