

KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88202-1498
505/623-5070 505/746-2719
ROSWELL, NM ARTESIA, NM

April 14, 1992

Manzano Oil Company
P.O. Box 2107
Roswell, N.M. 88202

REF: DJ Fee #1

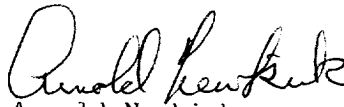
Gentlemen:

The following is a Deviation Survey on the above referenced well located
in Chave County, New Mexico.

325' - 1/4°
801' - 1/2°
1200' - 1/2°
1693' - 1/2°
2180' - 1/2°

2672' - 3/4°
3070' - 1°
3205' - 1°
3689' - 1°

Sincerely,



Arnold Newkirk
Vice President

STATE OF NEW MEXICO)
County of Chaves)

The foregoing was acknowledged before me this 14th day of April 1992
by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992


NOTARY PUBLIC