



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

December 11, 1990

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

REF: Sun Pearl ^{Federal} #4

Gentlemen:

2310/N + 660/E 28-19-34

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

456' - 1/2°
907' - 1/2°
1365' - 1/2°
1823' - 1/2°
2284' - 3/4°
2779' - 3/4°

3271' - 1°
3761' - 1°
3884' - 1 1/4°
4127' - 1 1/2°
4621' - 1 1/4°
5190' - 1°TD

Sincerely,

Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 11th day of December 1990 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC