



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

November 30, 1989

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

REF: Sun Pearl Federal #2

Gentlemen:

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

488' - 1/2°	3323' - 3/4°
940' - 3/4°	3966' - 1/2°
1269' - 1/2°	4426' - 3/4°
1360' - 3/4°	4630' - 3/4°
1844' - 3/4°	5150' - 1/4°
2339' - 3/4°	5153' - 1/4° TD
2829' - 1/2°	

Sincerely,

Arnold Newkirk
Vice President

STATE OF NEW MEXICO)

)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 30th day of November 1989 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC