



KEN REYNOLDS—PRESIDENT
ARNIE NEWKIRK—VICE-PRESIDENT

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

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

August 03, 1993

Santa Fe Energy Operating Partners, L.P.
550 W. Texas, Suite 1330
Midland, Texas 79701

RE: Sterling Silver "33" Federal #4

Gentlemen:

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

308' - 1/2°	2513' - 2 3/4°	4162' - 1 1/2°	6627' - 3/4°
595' - 1°	2639' - 1 1/2°	4662' - 1 3/4°	7127' - 1/2°
1073' - 1°	3139' - 2°	5163' - 1 1/2°	7627' - 1 1/4°
1543' - 1°	3609' - 2 3/4°	5658' - 3/4°	8127' - 1°
2041' - 2°	3797' - 2 1/3°	6155' - 3/4°	

Sincerely,

Gary W. Chappell
Contracts manager

STATE OF NEW MEXICO }
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 03rd day of August 1993 by Gary W. Chappell.

MY COMMISSION EXPIRES

October 07, 1996

NOTARY PUBLIC