



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

July 19, 1993

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

RE: N. Pure Gold "9" #4

Gentlemen:

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

280' - 1/2°	3351' - 1 1/4°	6027' - 3/4°
575' - 1°	3853' - 2°	6529' - 3/4°
1104' - 1 1/2°	4065' - 2 1/2°	7026' - 3/4°
1574' - 1 3/4°	4553' - 1 3/4°	7520' - 1 1/4°
2075' - 3/4°	5025' - 1 1/4°	7935' - 1/4°
2576' - 2°	5525' - 1°	8123' - 1/4° TD
3072' - 2 1/4°		

Sincerely,

Gary W. Chappell
Contracts manager

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 19th day of July 1993 by
Gary W. Chappell.

MY COMMISSION EXPIRES

October 07, 1996

NOTARY PUBLIC