



KEN REYNOLDS-PRESIDENT
GARY W. CHAPPELL-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

May 28, 1996

Santa Fe Energy Resources, Inc.
550 W. Texas, Suite 1330
Midland, TX 79701

RE: Tomcat "18" Federal #1

Unit A 18-23-32 660/N & 990/E
30-025-33364

Gentlemen:

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

401' - 1/4°	3011' - 1°	4327' - 2 3/4°	6403' - 1/2°
625' - 1/2°	3511' - 1°	4390' - 2°	6903' - 3/4°
1097' - 1°	3983' - 2 1/4°	4450' - 2 1/4°	7403' - 1°
1568' - 3/4°	4078' - 1 3/4°	4962' - 1°	7903' - 3/4°
2039' - 1°	4172' - 2 3/4°	5432' - 0°	8403' - 1°
2539' - 1 1/4°	4264' - 2 1/2°	5932' - 3/4°	8879' - 1 1/2°
			9350' - 3°

Sincerely,

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 28th day of May 1996 by Gary W. Chappell.

MY COMMISSION EXPIRES

October 07, 1996

NOTARY PUBLIC