



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

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

Linda Spring  
NOTARY PUBLIC