



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

December 24, 1996

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

RE: Sterling Silver "33" Federal #15

Gentlemen:

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

271' - 1/2°	2165' - 1/2°	4615' - 2°	7116' - 3/4°
425' - 1 1/4°	2644' - 1 1/2°	5115' - 1 1/4°	7616' - 1°
698' - 3/4°	3117' - 1/2°	5616' - 3/4°	8200' - 1 3/4°
1170' - 1/2°	3613' - 2 1/2°	6116' - 1/2°	
1670' - 3/4°	4128' - 2°	6616' - 3/4°	

Sincerely,

Gary W. Chappell  
Contracts Manager

STATE OF NEW MEXICO)

COUNTY OF CHAVES )

The foregoing was acknowledged before me this 24th day of December 1996 by Gary W. Chappell.

MY COMMISSION EXPIRES

JUNE 20, 2000

NOTARY PUBLIC