



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 ROSWELL, NM
505/746-2719 ARTESIA, NM

April 21, 1995

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

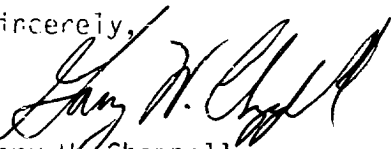
RE: White Swan "9" Federal #4

Gentlemen:

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

499' - 1 1/2°	3297' - 2 1/4°	3873' - 5 1/4°	4576' - 1 1/2°
606' - 1 1/2°	3341' - 2°	3926' - 5°	5063' - 3/4°
922' - 1 1/2°	3435' - 2 3/4°	3956' - 5 1/4°	5560' - 1/2°
1297' - 1 3/4°	3495' - 2 1/2°	3988' - 6°	6056' - 3/4°
1609' - 1 1/2°	3571' - 2 3/4°	4021' - 5 1/2°	6556' - 3/4°
2050' - 1°	3652' - 3 1/4°	4053' - 5 1/4°	7031' - 1°
2303' - 1 1/4°	3685' - 3 1/4°	4083' - 4 1/2°	7527' - 3/4°
2554' - 1 1/4°	3715' - 4 1/2°	4114' - 4°	8027' - 1°
2868' - 1 3/4°	3747' - 4 3/4°	4146' - 3 1/4°	8555' - 1°
3179' - 1°	3779' - 4 1/4°	4262' - 3°	8920' - 1 1/4°
3245' - 3 1/2°	3808' - 4 3/4°	4355' - 1 1/2°	
3267' - 2 3/4°	3841' - 4 3/4°	4450' - 2 3/4°	

Sincerely,

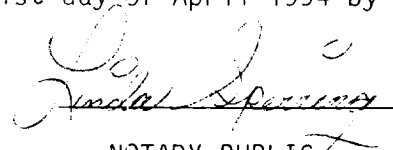

Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO }
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 21st day of April 1994 by Gary W. Chappell.

MY COMMISSION EXPIRES

October 07, 1996


NOTARY PUBLIC