



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 31, 1997

Ray Westall Operating, Inc.
P.O. Box 4
Loco Hills, New Mexico 88255

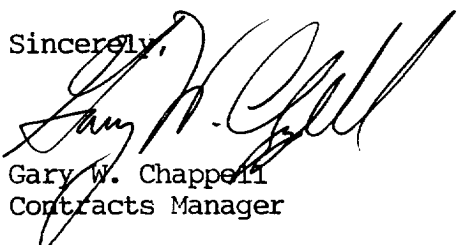
RE: Keohane "24" #4

Gentlemen:

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

494' - 1°	2,125' - 1 3/4°	3,815' - 1 1/4°
665' - 3/4°	2,628' - 1 1/4°	4,372' - 1 1/4°
1,165' - 3/4°	3,121' - 2°	4,500' - 1 1/2°
1,645' - 1 1/4°	3,398' - 1 3/4°	

Sincerely,


Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 31st day of December 1997 by Gary W. Chappell.

MY COMMISSION EXPIRES

JUNE 20, 2000



NOTARY PUBLIC

