



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 505/746-2719
ROSWELL, NM ARTESIA, NM

RECEIVED

JUL 06 '89

C. C. D.
ARTESIA, OFFICE

May 01, 1989

Heyco, Inc.
P.O. Box 1933
Roswell, N.M. 88202

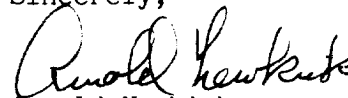
REF: A.J. "11" Federal #1

Gentlemen:

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

377' - 1/2°	4674' - 2°	6722' - 2 3/4°
872' - 1°	4767' - 1 3/4°	6616' - 3 1/2°
1098' - 3/4°	4891' - 1 3/4°	6943' - 2 3/4°
1517' - 1/2°	5386' - 1°	7038' - 3°
2047' - 1°	5881' - 1 1/2°	7131' - 2 1/2°
2350' - 1°	6131' - 3°	7317' - 1°
2848' - 1°	6222' - 3 3/4°	7442' - 1°
3217' - 1 1/4°	6343' - 3 1/4°	7625' - 1 1/2°
3713' - 1 1/4°	6440' - 3 3/4°	8123' - 1 3/4°
4243' - 2°	6535' - 2 3/4°	8525' - 1/2°
4338' - 1 3/4°	6660' - 3 1/2°	8960' - 3/4° TD

Sincerely,


Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)


)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this First day of May 1989 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992


NOTARY PUBLIC