



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

RECEIVED

NOV 16 '89

October 30, 1989

O. C. O.
ARTESIA, OFFICE

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

REF: Arco "5" Fed #1

Gentlemen:

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

300' - 1/2°	3096' - 4°	4146' - 4°	5716' - 1°
787' - 3/4°	3156' - 3 3/4°	4239' - 3 3/4°	6247' - 1 1/2°
1289' - 1/2°	3248' - 3 3/4°	4364' - 4°	6755' - 1 3/4°
1782' - 1°	3341' - 3 3/4°	4456' - 4°	7257' - 1 1/2°
1969' - 1°	3436' - 3 3/4°	4516' - 4°	7759' - 1 3/4°
2469' - 2 1/2°	3528' - 3 3/4°	4529' - 3 3/4°	8370' - 1 3/4°
2588' - 2 1/4°	3714' - 3 3/4°	4702' - 3 3/4°	8374' - 1 3/4° TD
2712' - 3°	3806' - 3 3/4°	4825' - 2 1/2°	
2835' - 3 3/4°	3928' - 3 3/4°	4978' - 2°	
2990' - 4°	4023' - 4°	5194' - 1 1/2°	

Sincerely,

Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 30th day of October 1989 by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC