

RECEIVED APR 04 1990

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

April 04, 1990

RECEIVED
JUN 1 10 59 AM '90
CARTER
AREA

Yates Energy Corporation
Suite 1010
Sunwest Centre
Roswell, N.M. 88201

REF: Thornbush Federal #1

Gentlemen:

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

350' - 1/4°	5852' - 1° 1/4°	7095' - 4 1/2°
813' - 1/2°	6325' - 1 3/4°	7168' - 4°
1346' - 3/4°	6531' - 3 1/2°	7292' - 3 3/4°
1843' - 1 1/4°	6695' - 4 3/4°	7384' - 3 1/4°
2400' - 1 1/2°	6758' - 4 1/2°	7476' - 3 1/2°
2900' - 1/4°	6831' - 4 3/4°	7568' - 3°
3412' - 1/2°	6884' - 4 1/4°	7660' - 3°
3905' - 3/4°	6979' - 4 1/4°	7756' - 2 3/4°
4462' - 3/4°	7073' - 4 1/4°	8217' - 3 1/4°
4894' - 1/4°		8736' - 2 1/4°
5392' - 1/4°		9060' - 1 1/2° TD

Sincerely,

Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 04 day of April 1990
by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC