



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

November 14, 1990

Mewbourne Oil Company
P.O. Box 5270
Hobbs, N.M. 88241

REF: Federal "V" #1

Gentlemen:

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

456' - 1 1/4°	2745' - 1 1/4°	5412' - 1 3/4°	8520' - 1 3/4°
647' - 1 1/4°	3050' - 1 3/4°	5909' - 1 1/4°	9028' - 1 1/2°
1149' - 1/2°	3555' - 1/2°	6404' - 1°	9558' - 2 1/2°
1320' - 1/2°	4019' - 1 1/2°	6895' - 1 1/2°	9941' - 2 1/2°
1860' - 3/4°	4513' - 1 1/2°	7390' - 1 3/4°	10486' - 2 1/4°
1935' - 1 1/2°	4689' - 2 1/2°	7547' - 2°	10993' - 1 3/4°
2419' - 1 1/4°	4917' - 2 1/4°	8037' - 2°	11210' - 2 1/2° TD

Sincerely,

Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 14th day of November by Arnold Newkirk.

MY COMMISSION EXPIRES

October 07, 1992

NOTARY PUBLIC