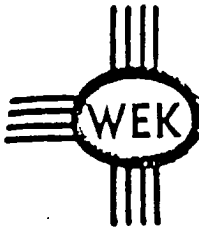


LESLIE K. EVERTSON - ROSWELL
KENNETH D. REYNOLDS - ARTESIA



DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 86201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

June 11, 1987

Manzano Oil Corp.
PO Box 571
Roswell, NM 88201

Ref: Boyd Federal #1

Gentlemen:

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

498' - 1/2 ^o	3095' - 3/4 ^o
959' - 1/2 ^o	3218' - 3/4 ^o
1415' - 1/2 ^o	3681' - 3/4 ^o
1901' - 1/2 ^o	4168' - 3/4 ^o
2067' - 1/2 ^o	4653' - 3/4 ^o
2220' - 3/4 ^o	5100' - 3/4 ^o T.D.
2697' - 3/4 ^o	

Sincerely,

WEK DRILLING CO., INC.

Arnold Newkirk
Arnold Newkirk

STATE OF NEW MEXICO)
)
COUNTY OF CHAVES)

The foregoing was acknowledged before me this 11th day
of June 1987 by Arnold Newkirk.

MY COMMISSION EXPIRES:

4-10-88

Glenn B. Newton
Notary Public