



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

DRILLING CO., INC. - OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

August 02, 1988

Manzano Oil Company
P.O. Box 571
Roswell, N.M. 88202

REF: Troy Federal #1

D-28-28-33E
660/N+W

Gentlemen:

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

464' - 1/2°	2662' - 1 1/4°	5036' - 3/4°
953' - 1/2°	3142' - 1°	5524' - 3/4°
1360' - 1 1/4°	3606' - 1°	5789' - 1/4°
1667' - 1°	4067' - 1°	6811' - 3/4°
2157' - 1°	4545' - 1°	7295' - 1/2° TD
2474' - 3/4°		



Sincerely

Arnold Newkirk
Arnold Newkirk
Vice-President

STATE OF NEW MEXICO)

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COUNTY OF CHAVES

The foregoing was acknowledged before me this 2nd day
of August 1988 by Arnold Newkirk.

MY COMMISSION EXPIRES

11-19-91

Jo Bullen
NOTARY PUBLIC