



KEN REYNOLDS-PRESIDENT
GARY W. CHAPPELL-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

January 8, 1999

Manzano Oil Corporation
P.O. Box 2107
Roswell, New Mexico 88202-2107

RE: Quarry #1

Unit 0

3-165-36e

3526/S 92095/E

30-025-34399

Gentlemen:

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

408' - 1/2°	3,319' - 2°	4,208' - 4°	6,276' - 3/4°	9,166' - 3/4°
901' - 1/2°	3,799' - 3°	4,329' - 3 1/2°	6,751' - 1/2°	9,637' - 1/2°
1,395' - 1/4°	3,861' - 3 1/2°	4,360' - 3 1/2°	7,215' - 1/2°	9,888' - 3/4°
1,868' - 1/2°	3,924' - 4°	4,824' - 1 1/4°	7,695' - 3/4°	10,392' - 1/2°
2,353' - 1°	4,019' - 4°	5,297' - 1°	8,170' - 3/4°	10,889' - 1°
2,846' - 3/4°	4,114' - 4°	5,802' - 3/4°	8,670' - 3/4°	11,371' - 1°
				11,860' - 1 1/2°

Sincerely,


Gary W. Chappell
Contracts Manager

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 8th day of February 1999 by Gary W. Chappell.

MY COMMISSION EXPIRES

JUNE 20, 2000


NOTARY PUBLIC