



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

June 6, 1997

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

RE: "SV" Big Bertha #1


Unit F 11-165-36e 2081/N & 1870/W  
30-025-33883

Gentlemen:

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

406' - 1/4°	3395' - 2°	5908' - 1 3/4°	8985' - 1 1/4°
908' - 3/4°	3676' - 2°	6407' - 1°	9485' - 1 1/4°
1412' - 1 1/2°	4173' - 2 1/4°	6980' - 1 1/2°	9992' - 1°
1918' - 1 3/4°	4418' - 1 1/4°	7476' - 1 1/2°	10,512' - 1°
2418' - 1 1/4°	4918' - 1 1/4°	7979' - 1 1/4°	10,625' - 1°
2896' - 1 1/4°	5418' - 1 1/4°	8483' - 1°	10,900' - 1 1/4°

Sincerely




Gary W. Chappell  
Contracts Manager

STATE OF NEW MEXICO)  
)  
COUNTY OF CHAVES )

The foregoing was acknowledged before me this 6th day of June 1997 by  
Gary W. Chappell.

MY COMMISSION EXPIRES

JUNE 20, 2000



NOTARY PUBLIC