

X-PERT DRILLING CORPORATION
DEVIATION SURVEYS

ARCO K-161
EMPIRE ABO UNIT

DEPTH	SURVEY (DEGREES)
250	3/4
502	1/4
766	1/2
1000	1/4
1293	3/4
1593	1 1/4
1893	1 1/2
2100	2
2400	1 3/4
2700	1 3/4
2950	2
3252	1 3/4
3550	2
3750	2
4150	2
4262	2
4562	1 3/4
4850	2 1/4
5150	3 1/2
5300	4
5365	5
5446	5
5503	4 1/2
5594	4 1/2
5860	2
5874	3 1/2
6225	2 1/2

I CERTIFY THAT THE STATEMENTS MADE HEREIN ARE TRUE AND
CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.


DAN R. PARKHURST
VICE PRESIDENT
X-PERT DRILLING CORPORATION

STATE OF NEW MEXICO)
) SS.
COUNTY OF LEA

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGE BEFORE ME THIS
ELEVENTH DAY OF JULY, 1979, BY DAN R. PARKHURST.


BENNIE LANE
NOTARY PUBLIC
MY COMMISSION EXPIRES: 5/2/80