

BILL J. GRAHAM
CONSULTING PETROLEUM ENGINEER - OIL OPERATOR

201 WEST BUILDING
P. O. BOX 5321

MUTUAL 4 - 6872
AREA CODE 915

MIDLAND, TEXAS
79701

BILL J. GRAHAM
WILLIAMS #1
SECTION 3, 13-S-31-E
CHAVES COUNTY, NEW MEXICO

DEVIATION SURVEYS

DEPTH	DEVIATION
453'	1 1/2 deg.
970'	2 deg.
1683'	1 1/2 deg.
2314'	2 1/2 deg.
2650'	3 deg.

I, BILL J. GRAHAM, swear that the above to the best of my knowledge and belief is the true and correct deviation as measured while drilling the Williams #1 well.

Bill J. Graham

STATE OF TEXAS
COUNTY OF MIDLAND

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared BILL J. GRAHAM known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 2nd day of November A. D., 1978.

My Commission Expires:
3-31-79

Fran Shambarger
Notary Public in and for Midland County,
Texas (Fran Shambarger)