

ARAPAHOE DRILLING CO.

P.O. BOX 2078 • FARMINGTON, NEW MEXICO 87401

**JOHN E. SCHALK
MANAGING PARTNER**

February 2, 1972

**AREA CODE 505
TELEPHONE: 325-5018**

Mr. J. E. Manning
Manning Gas & Oil Company
102 Continental Oil Building
1755 Glenarm Place
Denver, Colorado 80202

Re: Apache No. 100
Sec. 3, T-24N, R-4W
Rio Arriba County, New Mexico

Dear Mr. Manning:

Please use this letter as certification that the following deviations were taken at the outlined intervals during the drilling of the Apache No. 100 Well:

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
260'	1/4°	4706'	1°
768'	1/2°	5010'	1/4°
1522'	2°	5428'	3/4°
2050'	1-3/4°	5740'	1-1/2°
2519'	1-3/4°	6160'	1°
3142'	2-1/2°	6540'	3/4°
3735'	2-3/4°	6836'	3/4°
4075'	1-1/2°	7307'	1/4°
4406'	1-3/4°		

Yours very truly,

ARAPAHOE DRILLING CO.

William H. Hallcroft
William H. Hallcroft
Office Manager

WHH:tm

SUBSCRIBED AND SWORN TO BEFORE ME, the undersigned authority,
by William H. Hallcroft this 2nd Day of February, 1972.

My Commission Expires:

Joyce Roddy
Notary Public In And For

March 3, 1974

State New Mexico

County San Juan

