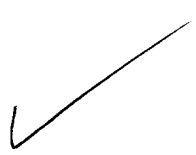


Apache JVA #7
NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-T27N-R2W
Rio Arriba Co., N. Mex.



TABULATION OF ALL DEVIATION SURVEYS

<u>Depth</u>	<u>Deviation</u>
335'	1-1/2°
860'	3/4°
1315'	3/4°
2091'	3/4°
2737'	1°
3391'	1-1/2°

I, Robert D. Ballantyne, Drilling Superintendent for Palmer Oil & Gas Company, hereby certify that the above information is true and complete to the best of my knowledge and belief.

Robert D. Ballantyne
Robert D. Ballantyne

Sworn to and subscribed before me, a Notary Public in and for the State of Montana, this 1st day of August, 1979.

My Commission Expires:

May 1, 1981

Grace E. Brown
Grace E. Brown, Notary Public
For State of Montana, Residing
in Billings, Montana

