



dugan production corp.

October 8, 1981

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Re: Jerome P. McHugh
Apache #3E
1710' FNL - 1120' FEL
Sec 19 T26N R3W
Rio Arriba County, NM

Gentlemen:

This is to certify that deviation tests were run on the captioned well
and the following is a true report of those tests:

3/4° at 1034	1-1/4° at 3072	1° at 5399
1-1/4° at 1440	1° at 3508	1-1/4° at 5900
1/2° at 2019	3/4° at 4030	1-1/4° at 6019
1/2° at 2431	1° at 4501	1° at 6544
3/4° at 2997	1-1/4° at 4896	1-1/2° at 7818

Sincerely,

Thomas A. Dugan
Petroleum Engineer



State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 8 day of October 19 81.



OFFICIAL SEAL
FRANCES PERRIN
NOTARY PUBLIC - NEW MEXICO
Notary Bond filed with Secretary of State
My Commission Expires 5-15-85