

# dugan production corp.

November 4, 1981

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

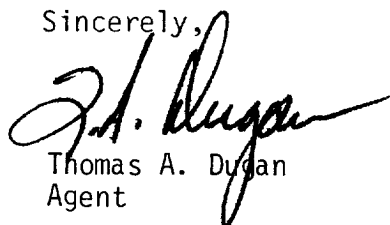
Re: Jerome P. McHugh  
Apache #5E  
1660' FNL - 1570' FEL  
Sec 17 T26N R3W  
Rio Arriba County, NM

Gentlemen:

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

1/2° at 806'	1° at 4054'	1° at 6574'
1/2 at 1404	1 at 4560	1-1/4 at 7070
1 at 1529	1 at 4927	1-1/2 at 7569
1 at 2049	1 at 5420	1-1/4 at 8067
1-1/4 at 2493	1-1/4 at 5857	2-1/2 at 8281
1-1/2 at 3004	1 at 6193	

Sincerely,

  
Thomas A. Dugan  
Agent



State of New Mexico)  
County of San Juan ) ss

Subscribed and sworn to before me this 4th day of November 19 81.





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