

dugan production corp.

December 4, 1978

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

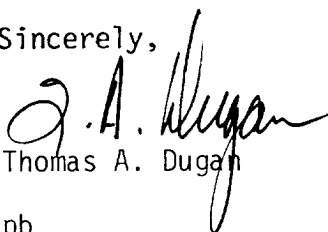
Re: Jerome P. McHugh
Chris #3
1640' FN1 - 1000' FEL
Sec 21 T27N R3W
Rio Arriba County, NM

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 ⁰ @ 719'	2-1/2 ⁰ @ 2590'	2-3/4 ⁰ @ 4040'
1-1/4 ⁰ @ 1825'	3 ⁰ @ 3024'	3 ⁰ @ 4442'
3 ⁰ @ 2037'	1 ⁰ @ 3550'	1 ⁰ @ 5515'

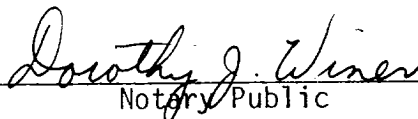
Sincerely,


Thomas A. Dugan

pb

State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 4th day of December, 1978.


Dorothy J. Winer
Notary Public

My commission expires November 5, 1982