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dugan production corp.

September 11, 1980

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

Re: Jerome P. McHugh
Jicarilla #3E
1600' FNL - 1650' FEL
Sec 31, T26N, R4W
Rio Arriba County, NM
Elevation: 6710' G.L.

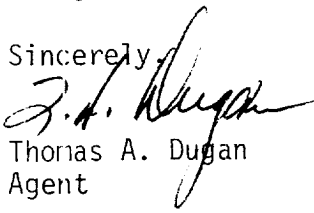


Gentlemen:

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

1/2 ⁰ @ 290'	2 ⁰ @ 2882'	2-1/2 ⁰ @ 4779'
1 @ 769'	2 ⁰ @ 3761'	2-3/4 ⁰ @ 5275'
1-1/4 ⁰ @ 1275'	2 ⁰ @ 3954'	2 ⁰ @ 5856'
2-1/4 ⁰ @ 1726'	2-1/4 ⁰ @ 4487'	2 ⁰ @ 6355'
3 ⁰ @ 2226'	2-1/4 ⁰ @ 4916'	2 ⁰ @ 6822'
		2 ⁰ @ 7330'

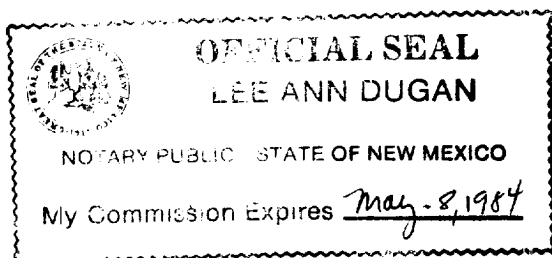
Sincerely,


Thomas A. Dugan
Agent

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State of New Mexico)
County of San Juan) ss

Subscribed and sworn to before me this 11 day of September, 1980.




Notary Public