

POST OFFICE BOX 234
Zip Code 87401

THOMAS A. DUGAN

Registered Petroleum Engineer

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FARMINGTON, NEW MEXICO

December 8, 1965

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Area Code 505

New Mexico Oil Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico

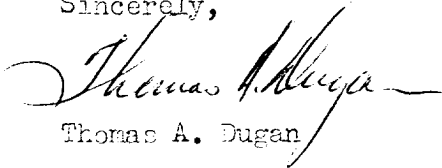
Re: Pioneer Production Corp.
Phodes #1
1650' fnl and 1700' fel, Sec. 20, T28N, R11W
San Juan County, New Mexico

Gentlemen:

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

1°	- 739'	3/4°	- 3817'
1°	- 1050'	1°	- 4253'
1°	- 1527'	1°	- 4620'
3/4°	- 1802'	3/4°	- 5022'
1°	- 2288'	1°	- 5481'
1°	- 2616'	1 1/4°	- 5800'
1 1/4°	- 2845'	1 1/4°	- 6272'
1 1/2°	- 3200'		

Sincerely,


Thomas A. Dugan

dw

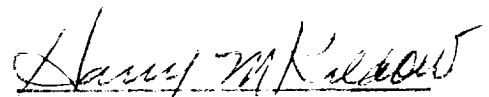
cc: Pioneer Prod. Corp.

State of New Mexico)
County of San Juan)ss

Subscribed and sworn to before me this 15th day of December, 1965.

My Commission Expires May 7, 1966




Notary Public