

MERIDIAN OIL

October 13, 1993

RECEIVED
OCT 15 1993
OIL CON. DIV
DIST 3

Mr. Frank Chavez
N. M. Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Commingling Allocation
Jernigan #3A MV-CH
1500' FSL 975' FEL
Sec. 24, T27N R09W
San Juan County, N. M.

Dear Frank,

We have reviewed the gas tests on our Jernigan #3A MV-CH which is a commingled Blanco Mesaverde - Otero Chacra well, as per N.M.O.C.D. order #DHC-922. Based on tests taken during completion operations from both the Chacra and Mesaverde and the fact that the Mesaverde well was not capable of production before the workover, we feel that the following oil and gas production allocation on the subject well's commingled zones would be reasonably accurate:

	<u>Gas</u>	<u>Oil</u>
Chacra	78%	0%
Mesaverde	22%	100%

Please let us know if this percentage allocation meets with your approval.

Sincerely,



P. M. Pippin
Sr. Production Engineer

PMP:pmp
attachment

CALCULATIONS FOR JERNIGAN #3A MV-CH

Commingled
Otero Chacra
Blanco Mesaverde

Pitot gauges were taken during Chacra completion operations while the rig was on location.

GAS

Pitot Gauge Chacra Only (10-06-93):	612 MCF/D
Pitot Gauge Chacra + MV (10-17-92):	782 MCF/D

GAS ALLOCATION

$$\text{Chacra} = \frac{612}{782} = 78\%$$

$$\text{Mesaverde} = \frac{782 - 612}{782} = 22\%$$

We believe this allocation to be accurate because the well was not capable of on line production before the workover.

OIL ALLOCATION

The Mesaverde in this well has produced 2,200 BO since 1st delivery in 1-80. Since the Chacra does not commonly produce oil, we allocate 100% of the oil production to the Mesaverde.
