STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DIVISION
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

September 3, 1991

Mr. P. M. Pippin
Meridian Oil Inc.
P. O. Box 4289
Farmington, NM 87499-4289

Re: Commingled Allocation for McClanahan #20E F-13-28N-10W

Dear Mr. Pippin:

Your recommended allocation of [illegible]tion for the referenced well is hereby approved as follows:

	gas	oil
Gallup	33%	88%
Dakota	67%	12%

Sincerely,

Frank T. Chavez, District Supervisor

MERIDIAN OIL

July 2, 1991

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

Re: Commingling Allocation Calculation
McClanahan #20E Gal/Dk
1840' FNL 1660' FWL
Sec. 13, T28N R10W
San Juan County, N. M.

Dear Frank,

We have reviewed the gas and oil tests on our McClanahan #20E which is a commingled Armenta Gallup Basin Dakota well, as per N.M.O.C.D. order #DHC-783. Based on tests taken during completion operations, the average current production from the Dakota side, and the average first year production from the nearest Gallup wells, we feel that the following oil and gas production allocation on the subject well's commingled zones would be reasonably accurate:

	Gas	Oil
Gallup	33%	88%
Dakota	67%	12%

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

Sincerely,

P. M. Pippin
Sr. Production Engineer

PMP:pmp
attachment

CALCULATIONS FOR McCLANAHAN #20E

Commingled
Armenta Gallup
Basin Dakota

GAS

Pitot gauge GP only:	354	MCF/D
Pitot gauge GP and DK:	1065	MCF/D
DK only = 1065 - 354 =	711	MCF/D

Gas Allocation

$$\text{Gallup} = \frac{354}{1065} = 33\%$$

$$\text{Dakota} = \frac{711}{1065} = 67\%$$

OIL

Nearest Gallup Wells	Average 1st Year Oil Production
Zachry #41 (12 O 28 11)	11 BOPD
Zachry #54 (12 M 28 10)	5 BOPD
Zachry #55 (11 O 28 10)	6 BOPD

Current capacity from Dakota side = 1 BOPD

Average 1st full year production for nearest three Gallup wells

$$\frac{11 + 5 + 6}{3} = 7 \text{ BOPD}$$

Oil Allocations

Gallup = 7/8 = 88%
Dakota = 1/8 = 12%