NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3district.htm

GARY E. JOHNSON
Governor

Jennifer A. Salisbury
Cabinet Secretary

December 18, 1998

Ms Peggy Bradfield
Burlington Resources O&G Co
PO Box 4289
Farmington NM 87499-4289

Re: San Juan 27-5 Unit #104M, E-12-27N-05W, API# 30-039-25910, DHC

Dear Ms Bradfield:

Your recommended allocation of commingled production for the referenced well is hereby accepted as follows:

	Gas	Oil
Mesaverde	53%	0%
Dakota	47%	100%

Yours truly,

Ernie Busch
District Geologist/Deputy O&G Inspector

cc: Jim Lovato-Farmington BLM
       David Catanach-NMOCD Santa Fe
       well file

275#104m.dhc

BURLINGTON RESOURCES

SAN JUAN DIVISION

October 24, 1998

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

Re: San Juan 27-5 Unit #104M
      1400'FNL, 1070'FWL, Section 12, T-27-N, R-5-W
      Rio Arriba County
      30-039-25910

Gentlemen:

The above referenced well is a Mesa Verde/Dakota commingle. Order DHC-1990 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	53 % gas	0% oil
Dakota -	47 % gas	100 % oil

These percentages are based on isolated flow tests from the Mesa Verde and Dakota during completion operations.

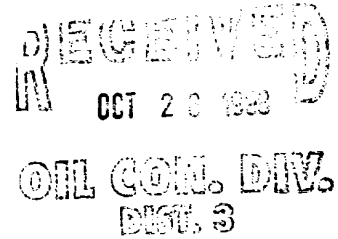Please let me know if you have any questions.

Sincerely,

Peggy Bradfield
Regulatory/Compliance Administrator

xc: Bureau of Land Management
      NMOCD - Santa Fe

PRODUCTION ALLOCATION FORMULA USING FLOW TEST INFORMATION

San Juan 27-5 Unit #104M
(Mesaverde/Dakota)Commingle
Unit E, 12-T27N-R05W
Rio Arriba County, New Mexico

Allocation Formula Method:

3 Hour Flow Test from Mesaverde = <u>970 MCFD & 0 BO</u>

3 Hour Flow Test from Dakota = <u>861 MCFD & 0.50 BO</u>

GAS:

$$\frac{(MV)\ 970\ \text{MCFD}}{(MV\ \&\ DK)\ 1,831\ \text{MCFD}} = (MV)\ \%\ \underline{\text{Mesaverde 53\%}}$$

$$\frac{(DK)\ 861\ \text{MCFD}}{(MV\ \&\ DK)\ 1,831\ \text{MCFD}} = (DK)\ \%\ \underline{\text{Dakota 47\%}}$$

OIL:

$$\frac{(MV)\ 0\ \text{BO}}{(MV\ \&\ DK)\ 0.50\ \text{BO}} = (MV)\ \%\ \underline{\text{Mesaverde 0\%}}$$

$$\frac{(DK)\ 0.50\ \text{BO}}{(MV\ \&\ DK)\ 0.50\ \text{BO}} = (DK)\ \%\ \underline{\text{Dakota 100\%}}$$