



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON  
GOVERNOR

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178 Fax (505) 334-6170

JENNIFER A. SALISBURY  
CABINET SECRETARY

October 3, 1997

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

Re: San Juan 27-5 Unit #103E, P-14-27N-05W, API# 30-039-23897, DHC

Dear Ms. Bradfield:

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

	Gas	Oil
Blanco Mesaverde	56%	36%
Basin Dakota	44%	64%

Yours truly,

Ernie Busch  
District Geologist/Deputy O&G Inspector

EB/sh

cc: well file

275103e-dhc

# BURLINGTON RESOURCES

SAN JUAN DIVISION

September 30, 1997

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

RECEIVED  
OCT - 1 1997  
OIL CON. DIV.  
DIST. 3

Re: San Juan 27-5 Unit #103E  
990'FSL, 790'FEL Section 14, T-27-N, R-05-W, Rio Arriba County, NM  
API #30-039-23897

Gentlemen:

The above referenced well is a Mesa Verde/Dakota commingle. Order DHC-1506 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	56 % gas	36 % oil
Dakota -	44 % gas	64 % oil

These percentages are based upon pre-recompletion rates for the Dakota only and post completion rates for the Mesa Verde and Dakota commingled.

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 #103E  
(Mesaverde/Dakota)Commingle  
Unit P, 14-T27N-R05W  
Rio Arriba County, New Mexico

## Allocation Formula Method:

1996 Dakota Average = 257 MCFD & 0.9 BO

1997 Commingled Production = 579 MCFD & 1.4 BO

1997 Commingled Production - 1996 Dakota Average = Mesaverde Contribution

## GAS:

$$\frac{(DK) 257 \text{ MCFD}}{(MV \& DK) 579 \text{ MCFD}} = (DK) \% \text{ Dakota 44\%}$$

$$\frac{(MV \& DK) 579 \text{ MCFD (100\%)} - (DK) 257 \text{ MCFD (44\%)}}{(MV \& DK) 579 \text{ MCFD (100\%)}} = (MV) \% \text{ Mesaverde 56\%}$$

## OIL:

$$\frac{(DK) 0.9 \text{ BOPD}}{(MV \& DK) 1.4 \text{ BOPD}} = (DK) \% \text{ Dakota 64\%}$$

$$\frac{(MV \& DK) 1.4 \text{ BOPD (100\%)} - (DK) 0.9 \text{ BOPD (64\%)}}{(MV \& DK) 1.4 \text{ BOPD (100\%)}} = (MV) \% \text{ Mesaverde 36\%}$$

---