



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://emnr.state.nm.us/ocd/District III/3district.htm](http://emnr.state.nm.us/ocd/District%20III/3district.htm)

GARY E. JOHNSON  
Governor

Jennifer A. Salisbury  
Cabinet Secretary

November 9, 1999

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

Re: Culpepper Martin #16, C-04-31N-12W, API# 30-045-11821, DHC

Dear Ms. Cole:

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

|            | Gas | Oil |
|------------|-----|-----|
| Mesa Verde | 74% | 50% |
| Dakota     | 26% | 50% |

Yours truly,

Ernie Busch  
District Geologist/Deputy O&G Inspector

EB/mk

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

CULPEPPER MARTIN #16 DHC

## BURLINGTON RESOURCES

September 1, 1999

RECEIVED  
SEP - 2 1999

OIL CON. DIV.  
DIST. 3

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

Re: Culpepper Martin #16  
C Section 4, T-31-N, R-12-W  
30-045-11821

Gentlemen:

Attached is a copy of the allocation for the commingling of the subject well. DHC-2109 was issued for this well.

|      |            |     |
|------|------------|-----|
| Gas: | Mesa Verde | 74% |
|      | Dakota     | 26% |
| Oil: | Mesa Verde | 50% |
|      | Dakota     | 50% |

These allocations are based on six months production from the Mesa Verde and Dakota. Please let me know if you have any questions.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

Xc: NMOCD - Santa Fe  
Bureau of Land Management - Farmington

## PRODUCTION ALLOCATION FORMULA USING FLOW TEST INFORMATION

Culpepper Martin #16  
(Mesaverde/Dakota)Commingled  
Unit C, 04-T31N-R12W  
San Juan County, New Mexico

### Allocation Formula Method:

1998 Six Month Dakota Average = 50 MCFD & 0 BO

1999 Six Month Commingled Average = 140 MCFD & 0 BO

1999 Commingled Production - 1998 Dakota Average = Mesaverde Contribution

### GAS:

$$\frac{(DK) 50 \text{ MCFD}}{(MV \& DK) 190 \text{ MCFD}} = (DK) \% \text{ Dakota 26\%}$$

$$\frac{(MV \& DK) 190 \text{ MCFD (100\%)} - (DK) 50 \text{ MCFD (26\%)}}{ } = (MV) \% \text{ Mesaverde 74\%}$$

### OIL:

$$\frac{(DK) 0 \text{ BOPD}}{(MV \& DK) 0 \text{ BOPD}} = (DK) \% \text{ Dakota 50\%}$$

$$\frac{(MV \& DK) 0 \text{ BOPD (100\%)} - (DK) 0 \text{ BOPD (50\%)}}{ } = (MV) \% \text{ Mesaverde 50\%}$$