

# BURLINGTON RESOURCES

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SAN JUAN DIVISION

September 30, 1997

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

Re: San Juan 27-5 Unit #98  
1850'FNL, 1070'FWL Section 14, T-27-N, R-05-W, Rio Arriba County, NM  
API #30-039-07064

Gentlemen:

The above referenced well is a Mesa Verde/Dakota commingle. Order DHC-1515 was issued for the commingling. The following allocation formula is submitted for your approval:

|              |          |           |
|--------------|----------|-----------|
| Mesa Verde - | 85 % gas | 0% oil    |
| Dakota -     | 15 % gas | 100 % oil |

These percentages are based upon pre-recompletion rates for the Dakota only and post recompletion 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 #98  
(Mesaverde/Dakota)Commingle  
Unit E, 14-T27N-R05W  
Rio Arriba County, New Mexico**

**Allocation Formula Method:**

**1996 Dakota Average = 134 MCFD & 0.8 BO**

**1997 Commingled Production = 880 MCFD & 0 BO**

**1997 Commingled Production - 1996 Dakota Average = Mesaverde Contribution**

**GAS:**

$$\frac{(DK) 134 \text{ MCFD}}{(MV \& DK) 880 \text{ MCFD}} = (DK) \% \text{ Dakota 15\%}$$

$$\frac{(MV \& DK) 880 \text{ MCFD (100\%)} - (DK) 134 \text{ MCFD (15\%)}}{(MV \& DK) 880 \text{ MCFD (100\%)}} = (MV) \% \text{ Mesaverde 85\%}$$

**OIL:**

$$\frac{(DK) 0.8 \text{ BOPD}}{(MV \& DK) 0 \text{ BOPD}} = (DK) \% \text{ Dakota 100\%}$$

$$\frac{(MV \& DK) 0 \text{ BOPD (100\%)} - (DK) 0.8 \text{ BOPD (100\%)}}{(MV \& DK) 0 \text{ BOPD (100\%)}} = (MV) \% \text{ Mesaverde 0\%}$$