

BURLINGTON RESOURCES

SAN JUAN DIVISION

February 11, 1998

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

Re: San Juan 28-5 Unit #84E
790'FSL, 1450'FEL Section 16, T-28-N, R-05-W, Rio Arriba County, NM
API #30-039-23836

Gentlemen:

The above referenced well is a Mesa Verde/Dakota commingle. Order DHC-1505 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	60 % gas	91 % oil
Dakota -	40 % gas	9 % oil

These percentages are based on precompletion 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 28-5 Unit #84E
(Mesaverde/Dakota)Commingle
Unit O, 16-T28N-R05W
Rio Arriba County, New Mexico

Allocation Formula Method:

1996 Dakota Average = 235 MCFD & 0.25 BO

1997 Commingled Production = 594 MCFD & 2.6 BO

1997 Commingled Production - 1996 Dakota Average = Mesaverde Contribution

GAS:

$$\frac{(DK) 235 \text{ MCFD}}{(MV \& DK) 594 \text{ MCFD}} = (DK) \% \text{ Dakota 40\%}$$

$$\frac{(MV \& DK) 594 \text{ MCFD (100\%)} - (DK) 235 \text{ MCFD (40\%)}}{(MV \& DK) 594 \text{ MCFD (100\%)}} = (MV) \% \text{ Mesaverde 60\%}$$

OIL:

$$\frac{(DK) 0.25 \text{ BOPD}}{(MV \& DK) 2.6 \text{ BOPD}} = (DK) \% \text{ Dakota 9\%}$$

$$\frac{(MV \& DK) 2.6 \text{ BOPD (100\%)} - (DK) 0.25 \text{ BOPD (9\%)}}{(MV \& DK) 2.6 \text{ BOPD (100\%)}} = (MV) \% \text{ Mesaverde 91\%}$$