

# **BURLINGTON RESOURCES**

SAN JUAN DIVISION

August 15, 1998

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

Re: San Juan 27-5 Unit #100  
M Section 1, T-27-N, R-5-W  
30-039-08114

Gentlemen:

The above referenced well is a Mesa Verde/Dakota commingle. Order DHC-1817 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	93 % gas	0 % oil
Dakota -	7 % gas	100 % oil

These percentages are based on isolated flow tests and historical data 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

## Calculations for San Juan 27-5 Unit #100 - MV/DK

M 1 T27N R05W

Commingled  
Blanco Mesaverde  
Basin Dakota

This is a MV recompletion that has production commingled with the Dakota per DHC 1817.

Average MV 3 hour production test with 200 psi back pressure:	883	MCFD
	0	BOPD

Average DK production prior to workover with 200 psi line pressure:	70	MCFD
	0	BOPD

### Gas Allocation

MV =  $883 / (883 + 70) * 100$       93      %

DK =  $70 / (883 + 70) * 100$       7      %

### Oil Allocation

During completion operations no oil production was encountered from the Mesaverde. Since the Dakota has had oil production in the past and its gas production rate prior to the workover was below minimum the following oil allocation is recommended:

MV =            0            %

DK =            100          %