



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington Field Office  
1235 La Plata Highway, Suite A  
Farmington, New Mexico 87401

IN REPLY REFER TO:  
3162.7 (07100)

March 13, 2002

Ms. Peggy Cole  
Burlington Resources  
PO Box 4289  
Farmington, NM 87499

RE: Accept downhole commingle applications and allocation factors

Dear Ms. Cole:

The following wells were reviewed for downhole commingling. After reviewing the production history for these wells, we concur with the allocation factors established in your application. The effective date is the date that downhole commingling actually occurs. The wells and the approved allocation factors are listed below. In the case where oil allocations were not provided, it was agreed upon that the proportions established for gas would also be used for oil.

Well Name	Lease/CA#	Location	API#	Formation Allocation	Formation Allocation
Riddle B # 5	SF 078200B	Sec 23, T30N, R10W	3004520353	DK gas 93% Oil 93%	GP gas 7% Oil 7%
Kelly #2B	NM 04240	Sec 35, T30N, T10W	3004530418	MV gas 69% Oil 100%	CH gas 31% Oil 0%
San Juan 27-5 #11	SF 079403 PC(NMNM078409C) MV(NMNM078409B)	Sec 27, T27N, R5W	3003906914	PC gas 70% Oil 70%	MV gas 30% Oil 30%
San Juan 28-6 #105M	SF 079051B MV(NMNM078412A) DK(NMNM078412C)	Sec 35, T28N, R6W	3003926643	MV gas 56% Oil 44%	DK gas 44% Oil 44%

If you have any questions, please contact Adrienne Garcia at (505) 599-6358 or the undersigned with this office at (505) 599-6367.

Sincerely,

Jim Lovato  
Team Lead, Petroleum Management Team

cc: NMOCD, Santa Fe, NM  
NMOCD, Aztec, NM

bcc: San Juan 28-6 Unit File, MV(NMNM078412A), DK(NMNM078412C)  
San Juan 27-5 Unit File, PC(NMNM078409C), MV(NMNM078409B)  
Well Files  
DOMR  
07100:AGarcia:3/13/02:x6358:Burlington

# BURLINGTON RESOURCES

SF 078200B

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

## REVISED

Re: Riddle B #5  
SWSE, Section 23, T-30-N, R-10-W  
30-045-20353

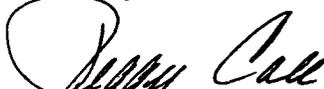
Gentlemen:

The above referenced well is a Gallup/Dakota commingle. Attached is a copy of the allocation for the commingling of the subject well completed on April 1, 1996. DHC-1246 was issued for this well.

Gas:	Dakota	93%
	Gallup	7%
Oil:	Dakota	93%
	Gallup	7%

These allocations are based on isolated flow tests from the Gallup and Dakota during completion operations. The Dakota was re-stimulated and the Gallup formation added. Since oil was not present during flow test operations, oil percentages are based upon gas allocation. These allocations are provided in the event this wellbore begins producing oil at some point in the future. Please let me know if you have any questions.

Sincerely,



Peggy Cole  
Regulatory Supervisor

Xc: NMOCD - Santa Fe  
Bureau of Land Management

PRODUCTION ALLOCATION FORMULA USING FLOW TEST INFORMATION

Riddle B #5  
(Gallup / Dakota) Commingle  
Unit O, 23-T30N-R10W  
San Juan County, New Mexico

Allocation Formula Method:

1996 Flow Test from Dakota = 1093 MCFD & 0 BO

1996 Flow Test from Gallup = 77 MCFD & 0 BO

GAS:

$$\frac{(DK) 1093 \text{ MCFD}}{(DK/GP) 1,170 \text{ MCFD}} = (DK) \% \text{ Dakota 93%}$$

$$\frac{(GP) 77 \text{ MCFD}}{(DK/GP) 1,170 \text{ MCFD}} = (GP) \% \text{ Gallup 7%}$$

OIL:

$$\frac{(DK) 0 \text{ BO}}{(DK/GP) 0 \text{ BO}} = (DK) \% \text{ Dakota 93%}$$

$$\frac{(GP) 0 \text{ BO}}{(DK/GP) 0 \text{ BO}} = (GP) \% \text{ Gallup 7%}$$