

# **BURLINGTON RESOURCES**

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

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

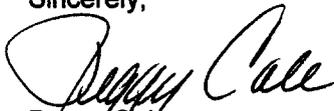
Gentlemen:

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	0%
	Gallup	100%

These allocations are based on historic production data from the Gallup and Dakota. Please let me know if you have any questions.

Sincerely,



Peggy Cole  
Regulatory Supervisor

Xc: NMOCD – Santa Fe  
Bureau of Land Management

**Riddle B #5**  
 Unit O, Sec. 23, T30N R10W  
 San Juan County, New Mexico

Production allocation based on: pitot reading performed during 1996 Gallup pay-add and cumulative oil production through 8/2001.

	Pitot MCFD	Cum Production MSTB	% Allocation	
			% Gas	% Oil
Gallup	77	0.04	7%	100%
Dakota	1,070	0.00	93%	0%
Total	1,147	0.04	100%	100%

**Gas Allocation:**

**Gallup**      (Total Gallup Production)      77 MCFD  
 -----  
 (Total Combined Production)      1,147 MCFD      = 7%

**Dakota**      (Total Dakota Production)      1,070 MCFD  
 -----  
 (Total Combined Production)      1,147 MCFD      = 93%

**Oil Allocation:**

**Gallup**      (Total Gallup Production)      0 MSTB of Oil  
 -----  
 (Total Combined Production)      0 MSTB of Oil      = 100%

**Dakota**      (Total Dakota Production)      0 MSTB of Oil  
 -----  
 (Total Combined Production)      0 MSTB of Oil      = 0%

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## REVISED

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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:

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

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