

Vaughn #14 DHC

# BURLINGTON RESOURCES

SAN JUAN DIVISION

May 8, 1997

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

RECEIVED  
MAY - 8 1997  
OIL CON. DIV.  
DUE, 8

Re: Vaughn #14  
1500' FSL, 1460' FWL Section 27, T-26-N, R-6-W, Rio Arriba County, NM  
API #30-039-20382

Gentlemen:

The above referenced well is a Mesa Verde/Gallup/Dakota commingle. Order R-10239 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	65% gas	35 % oil
Gallup -	5% gas	45 % oil
Dakota -	30% gas	20 % oil

These percentages are based on historical production.

Please let me know if you have any questions.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: Bureau of Land Management

## PRODUCTION ALLOCATION FORMULA METHOD

**Vaughn #14**  
**(Mesaverde/Gallup/Dakota Commingle)**  
**SW/4, Sec. 27-T26N-R06W**  
**Rio Arriba County, New Mexico**

**Blanket DHC Order # R-10239**

### Production Rates

Historical Gas Production from Dakota = 7299 MCFM

Historical Oil Production from Dakota = 23 BOPM

Total Gas Production for all three formations = 23491 MCFD (4 month average)

Total Oil Production for all three formations = 121 BOPM (4 month average)

### Allocation for Gas Production:

Production tests in offsetting Klein #24, Klein #19M and Klein #28E indicate that Gallup contributes about 5% of commingled gas and about 45% of commingled oil production. This assumption is made in calculating allocation percentages for this well.

Assumed: (GL) % **Gallup 5%**

[(DK) 7299 MCFM] = (DK) % **Dakota 30%**

(All) 23491 MCFM

(All) 100% - (DK) 30% - (GL) 5% = **Mesaverde 65%**

### Allocation for Oil Production:

Assumed: (GL) % **Gallup 45%**

[(DK) 23 BOPM] = (DK) % **Dakota 20%**

(All) 121 BOPM

(All) 100% - (DK) 20% - (GL) 45% = **Mesaverde 35%**



**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178 Fax (505) 334-6170

**GARY E. JOHNSON**  
GOVERNOR

**JENNIFER A. SALISBURY**  
CABINET SECRETARY

May 12, 1997

Ms Peggy Bradfield  
Burlington Resources O&G Co  
PO Box 4289  
Farmington NM 87499

Re: Vaughn #14, API# 30-039-20382, K-27-26N-06W, DHC

Dear Ms. Bradfield:

Your recommended allocation of commingled production for the referenced well is hereby accepted as follows:

	Gas	Oil
Blanco Mesaverde	65%	35%
Gallup	5%	45%
Basin Dakota	30%	20%

Yours truly,

Ernie Busch  
District Geologist/Deputy O&G Inspector

EB/sh

cc: well file