

Klein 19-DHC

# BURLINGTON RESOURCES

SAN JUAN DIVISION

May 8, 1997

RECEIVED  
MAY - 8 1997  
OIL CON. DIV.  
BUREAU

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

Re: Klein #19  
1190'FNL, 890'FEL Section <sup>A</sup>34, T-26-N, R-6-W, Rio Arriba County, NM  
API #30-039-20499

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 -	85% gas	45 % oil
Gallup -	5% gas	45 % oil
Dakota -	10% gas	10 % 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

**Klein #19**  
**(Mesaverde/Gallup/Dakota Commingle)**  
**NE/4, Sec. 34-T26N-R06W**  
**Rio Arriba County, New Mexico**

**Blanket DHC Order # R-10239**

### Production Rates

Historical Gas Production from Dakota = 1921 MCFM

Historical Oil Production from Dakota = 8 BOPM

Total Gas Production for all three formations = 21777 MCFD (5 month average)

Total Oil Production for all three formations = 107 BOPM (5 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) 1921 MCFM] = (DK) % Dakota 10%  
(All) 21777 MCFM

(All) 100% - (DK) 10% - (GL) 5% = Mesaverde 85%

### Allocation for Oil Production:

Assumed: (GL) % Gallup 45%

[(DK) 8 BOPM] = (DK) % Dakota 10%  
(All) 107 BOPM

(All) 100% - (DK) 10% - (GL) 45% = Mesaverde 45%



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

OIL CONSERVATION DIVISION  
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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: Klein #19, API# 30-039-20499, A-34-26N-06W, DHC

Dear Ms. Bradfield:

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

	Gas	Oil
Blanco Mesaverde	85%	45%
Gallup	5%	45%
Basin Dakota	10%	10%

Yours truly,

Ernie Busch  
District Geologist/Deputy O&G Inspector

EB/sh

cc: well file