

Klein #19M-BHC

BURLINGTON RESOURCES

SAN JUAN DIVISION

May 8, 1997

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

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OIL CON. DIV.
DIST. 3

Re: Klein #19M
1050'FNL, 1800'FWL Section ⁴34, T-26-N, R-6-W, Rio Arriba County, NM
API #30-039-23770

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 -	80% gas	50 % oil
Gallup -	5% gas	45 % oil
Dakota -	15% gas	5 % 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 #19M
(Mesaverde/Gallup/Dakota Commingle)
NW/4, Sec. 34-T26N-R06W
Rio Arriba County, New Mexico

Blanket DHC Order # R-10239

Production Rates

Historical Gas Production from Dakota = 3986 MCFM

Historical Oil Production from Dakota = 4 BOPM

Isolated Gas Production from Mesaverde = 18827 MCFM (13 month average)

Isolated Oil Production from Mesaverde = 50 BOPM (13 month average)

Total Gas Production for all three formations = 20930 MCFD (2 month average)

Total Oil Production for all three formations = 103 BOPM (2 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%** (Actual $(100 - ((DK + MV)/All)) = 0\%$)

$\left[\frac{(DK) 3986 \text{ MCFM}}{(All) 20930 \text{ MCFM}} \right] = (DK) \%$ **Dakota 15%** (Actual $(DK/All) = 20\%$)

$(All) 100\% - (DK) 15\% - (GL) 5\% =$ **Mesaverde 80%** (Actual $(MV/All) = 90\%$)

Allocation for Oil Production:

Assumed: (GL) % **Gallup 45%** (Actual = 47.5%)

$\left[\frac{(DK) 4 \text{ BOPM}}{(All) 103 \text{ BOPM}} \right] = (DK) \%$ **Dakota 5%**

$(All) 100\% - (DK) 5\% - (GL) 45\% =$ **Mesaverde 50%**



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

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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 #19M, API# 30-039-23770, C-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	80%	50%
Gallup	5%	45%
Basin Dakota	15%	5%

Yours truly,

Ernie Busch
District Geologist/Deputy O&G Inspector

EB/sh

cc: well file