



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6176 Fax (505) 334-6170

GARY E. JOHNSON  
GOVERNOR

JENNIFER A. SALISBURY  
CABINET SECRETARY

October 16, 1997

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

Re: Sunray D #2R, A-21-30N-10W, API# 30-045-23862, DHC

Dear Ms. Bradfield:

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

	Gas	Oil
Blanco Mesaverde	90%	100%
Blanco Pictured Cliffs Extension	10%	0%

Yours truly,

Ernie Busch  
District Geologist/Deputy O&G Inspector

EB/sh

cc: well file

SUNRYD2R.DHC

# BURLINGTON RESOURCES

SAN JUAN DIVISION

October 10, 1997

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

Re: Sunray D #2R  
1065' FNL, 1000' FEL Section 21, T-30-N, R-10-W, San Juan County, NM  
API #30-045-23862

Gentlemen:

The above referenced well is a Mesa Verde/Pictured Cliffs commingle. Order DHC-1510 was issued for the commingling. The following allocation formula is submitted for your approval:

Mesa Verde -	90 % gas	100 % oil
Pictured Cliffs <del>EXT</del>	10 % gas	0 % oil

These percentages are based on historic production from the Mesa Verde and Pictured Cliffs.

Please let me know if you have any questions.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: Bureau of Land Management  
NMOCD - Santa Fe

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SANTA FE

**Sunray D #2R**  
**Allocation Calculation**  
**Blanco Mesaverde and Aztec Pictured Cliffs Commingle**  
**Method: Production History**

**Gas Production:**

Average on line Pictured Cliffs production prior to workover:	16 mcf/d
Total on line Pictured Cliffs and Mesaverde production after workover:	163 mcf/d

**Oil Production:**

Average on line Pictured Cliffs production prior to workover:	0 bbls/d
Total on line Pictured Cliffs and Mesaverde production after workover:	0.63 bbls/d

**Gas Production Allocation:**

$$\text{Pictured Cliffs Gas Allocation} = \frac{16 \text{ mcf/d}}{163 \text{ mcf/d}} = 10\%$$

$$\text{Mesaverde Gas Allocation} = \frac{163 - 16}{163} \frac{\text{mcf/d}}{\text{mcf/d}} = 90\%$$

**Oil Production Allocation:**

$$\text{Pictured Cliffs Oil Allocation} = \frac{0 \text{ bbls/d}}{0.63 \text{ bbls/d}} = 0\%$$

$$\text{Mesaverde Oil Allocation} = \frac{0.63 - 0}{0.63} \frac{\text{bbls/d}}{\text{bbls/d}} = 100\%$$