

# BURLINGTON RESOURCES

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SAN JUAN DIVISION

October 1, 1997

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

Re: Zachry #16E  
830'FSL, 830'FEL, Section 33, T-29-N, R-10-W  
30-045-24105

Gentlemen:

The above referenced well is a Chacra/Dakota commingle. Order DHC-1633 was issued for the commingling. The following allocation formula is submitted for your approval:

Chacra -	43.6 % gas	100 % oil
Dakota -	56.4 % gas	0 % oil

These percentages are based on historic production from the Chacra and Dakota formations.

Please let me know if you have any questions.

Sincerely,



Peggy Bradfield  
Regulatory/Compliance Administrator

xc: Bureau of Land Management  
NMOCD - Santa Fe

**Zachry #16E  
Production Allocation**

**For zonal allocation, 1996 production volumes are utilized:**

Chacra Production in 1996: 11,939 MCF , 0 BO

Dakota Production in 1996: 15,459 MCF, 1,166 BO

Total Chacra and Dakota  
Production in 1996: 27,398 MCF, 1,166 BO

**Gas Allocation Calculation:**

$$\text{Chacra Allocation} = \frac{(\text{Chacra Production})}{(\text{Total Production})}$$

$$\text{Chacra Allocation} = \frac{(11,939 \text{ MCF})}{(27,398 \text{ MCF})} = 43.6\%$$

**Chacra Gas Allocation = 43.6%**

$$\text{Dakota Allocation} = \frac{(\text{Dakota Production})}{(\text{Total Production})}$$

$$\text{Dakota Allocation} = \frac{(15,459 \text{ MCF})}{(27,398 \text{ MCF})} = 56.4\%$$

**Dakota Gas Allocation = 56.4%**

**Oil Allocation Calculation:**

$$\text{Dakota Allocation} = \frac{(\text{Dakota Production})}{(\text{Total Production})}$$

$$\text{Dakota Allocation} = \frac{(1,166 \text{ BO})}{(1,166 \text{ BO})} = 100\%$$

**Dakota Oil Allocation = 100%**

**Chacra Oil Allocation = 0%**