

# *BURLINGTON RESOURCES*

January 29, 2000

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

Re: Huerfanito Unit #78  
930'FNL, 1650'FEL Section 36, T-27-N, R-9-W  
30-045-06177

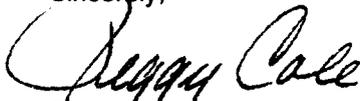
Gentlemen:

Attached is a copy of the allocation for the commingling of the subject well. DHC-2322 was issued for this well.

Gas:	Mesa Verde	42.6%
	Dakota	57.4%
Oil:	Mesa Verde	43.5%
	Dakota	56.5%

These allocations are based on reserves from the Mesa Verde and Dakota as explained in the attachment. Please let me know if you have any questions.

Sincerely,



Peggy Bradfield Cole  
Regulatory/Compliance Administrator

Xc: NMOCD – Santa Fe  
Bureau of Land Management – Farmington

## Huerfanito Unit #78 Production Allocation

### Gas

*Mesaverde Remaining Reserves	866.606 Mmcf	42.6%
*Dakota Remaining Reserves:	<u>1,167.410 Mmcf</u>	<u>57.4%</u>
Total:	2,034.02	100.0%

### Oil

*Mesaverde Remaining Reserves	11,838 Bbls	43.5%
*Dakota Remaining Reserves:	<u>15,386 Bbls</u>	<u>56.5%</u>
Total:	27,224	100.0%

\*Because the Dakota stopped producing in 1973 and the Mesaverde continued to produce until the 1990's, cumulative production from each zone cannot be used to determine the production allocation. Similarly, the pre-1973 cumulative production cannot be used to determine the allocation because the Mesaverde was produced and depleted for 20+ more years than the Dakota. Estimated remaining gas reserves were used to determine the above gas allocation. The oil allocations were calculated using the 1970-1973 condensate yield for the Dakota, and the 1970-1977 (pre-liquid loading) condensate yield for the Mesaverde. It was assumed that these condensate yields will be continued.



Operator: MESAVERDE  
 Field: 8.99233 MMSCF, Jun, 1977  
 Zone: 0.304536 MMSCF, Mar, 2021  
 Type: Gas  
 Group: None

Monthly Gas1 FC 1 (Rate-Time)  
 qi: 8.99233 MMSCF, Jun, 1977  
 qf: 0.304536 MMSCF, Mar, 2021  
 di(Exp): 7.445 CTD: 2535.89 MMSCF  
 RR: 866.606 MMSCF Tot: 3402.5 MMSCF

Production Cumis  
 Oil: 0 MSTB  
 Gas: 2535.89 MMSCF  
 Water: 0.014495 MSTB  
 Cond: 37.0993 MSTB

