

# **BURLINGTON RESOURCES**

October 25, 1999

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

Re: Hancock #5A  
1690'FNL, 1600'FWL Section 27, T-28-N, R-9-W  
30-045-26374

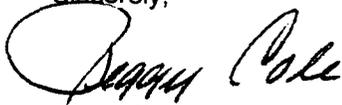
Gentlemen:

Attached is a copy of the allocation for the commingling of the subject well. DHC-2234 was issued for this well.

Gas:	Mesa Verde	25%
	Chacra	75%
Oil:	Mesa Verde	0%
	Chacra	100%

These allocations are based on isolated separator tests from the Mesa Verde and Chacra. 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

**CALCULATIONS FOR HANCOCK #5A CH-MV**

Commingled  
Otero Chacra  
Blanco Mesaverde

The Mesaverde (Point Lookout) has been producing since 1985.  
The Mesaverde (Point Lookout) has a cumulative of 688 MMCF.  
Both the Otero Chacra and the Menefee member of the Mesaverde were opened in this workover.  
A 3-hour separator test was run on both the Chacra and the Mesaverde in this well at the average line pressure of 200 psi.  
First delivery of commingled DK-MV on 8/10/99.  
Total DK and MV rate after about 2 months on line: 365 MCF/D and 0.5 BOPD.  
Three-hour separator test on the Chacra only: 336 MCF/D.  
Three-hour separator test on the Mesaverde only: 112 MCF/D.

**GAS ALLOCATION**

$$\text{Chacra} = 336 / (336 + 112) = 75\%$$

$$\text{Mesaverde} = 112 / (336 + 112) = 25\%$$

**OIL ALLOCATION**

Since the Otero Chacra seldom makes oil, all oil is allocated to the Mesaverde.