



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
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<http://emnr.state.nm.us/ocd/District/III/3dlatric.htm>

GARY E. JOHNSON
Governor

Jennifer A. Salisbury
Cabinet Secretary

November 9, 1999

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

Re: Hancock #5A, ^{F-}27-28N-09W, API# 30-045-26374, DHC

Dear Ms. Cole:

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

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

Yours truly,

Ernie Busch
District Geologist/Deputy O&G Inspector

EB/mk

cc: Jim Lovato-Farmington BLM
David Catanach-NMOCD Santa Fe
Well file

HANCOCK #5A DHC

**BURLINGTON
RESOURCES**

RECEIVED
OCT 26 1999

OIL CON. DIV.
DIST. 3

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

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

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

OIL ALLOCATION

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