

BURLINGTON RESOURCES

SAN JUAN DIVISION

August 15, 1998

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

Re: Harrington #6
K Section 31, T-27-N, R-7-W, Rio Arriba
30-039-23871

Gentlemen:

The above referenced well is a Chacra/Mesa Verde commingle. Order DHC-1851 was issued for the commingling. The following allocation formula is submitted for your approval:

| | | |
|--------------|----------|----------|
| Mesa Verde - | 8 % gas | 100% oil |
| Chacra - | 92 % gas | 0 % oil |

These percentages are based on isolated flow tests and historical data from the Mesa Verde and Chacra during completion operations.

Please let me know if you have any questions.

Sincerely,



Peggy Bradfield
Regulatory/Compliance Administrator

xc: Bureau of Land Management
NMOCD - Santa Fe

Calculations for Harrington #6 - CH/MV

K 31 T27N R07W

Commingled
Otero Chacra
Blanco Mesaverde

This is a Chacra recompletion that has production commingled with the Mesaverde per DHC 1851.

| | | |
|---|-----|------|
| Average CH 3 hour production test with 200 psi back pressure: | 890 | MCFD |
| | 0 | BOPD |

| | | |
|--|----|------|
| MV production rate prior to workover with 200 psi line pressure: | 80 | MCFD |
| | 1 | BOPD |

Gas Allocation

CH = $890/(890+80)*100$ 92 %

MV = $80/(890+80)*100$ 8 %

Oil Allocation

During completion operations no oil production was encountered from the Chacra. As a result, the following oil allocation is recommended:

CH = 0 %

MV = 100 %