



Southern

Rockies

Business

Unit

April 16, 1995

Mr. Ben Stone  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P. O. Box 6429  
Santa Fe, NM 87505

RECEIVED  
MAY - 8 1995  
OIL CON. DIV.  
DIST 3

**Downhole Commingling Application - Change of Allocation Method**  
**Lackey #1E**  
**Unit I Section 23-T28N-R9W**  
**Basin Dakota and Blanco Mesaverde Pools**  
**San Juan County, New Mexico**

I am sending this letter per our telephone conversation of today on how to handle differing allocation methods approved by the NMOCD and the BLM. Amoco Production Company is in receipt of NMOCD Administrative Order DHC - 1217 wherein you approved our commingling of the subject wellbore and the allocation as recommended by Amoco. The United States Bureau of Land Management has also recently approved our application, however a condition of their approval is that we must allocate this production by the subtraction method. The BLM has stipulated that we must extrapolate the production for the current producing horizon (Dakota) through the life of the well and attribute that production to the Dakota. Any production in excess of that curve would be attributed to the Mesaverde formation. Attached you will find a tabulated gas production forecast by month for the remaining life of the Dakota. The allocation for the condensate would be the same ratio used for the gas once that was determined from the production each month.

We are simultaneously transmitting this future production schedule to Ray Hager at the BLM for their files. Should you have questions, please do not hesitate to call me at 303-830-5344.

Sincerely,

Pamela W. Staley  
Attachment

cc: Mark Rothenberg - Denver  
Mark Stelling - Farmington  
Frank Chavez, Supervisor  
NMOCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

Ray Hager  
Bureau of Land Management  
1235 La Plata Hwy.  
Farmington, NM 87401

## LACK1E

| wellid         | wellname  | btu  | Date      | Monthly mcf | Daily MCF |
|----------------|-----------|------|-----------|-------------|-----------|
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-96 | 2249.6      | 74        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-96 | 2188.8      | 72        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-96 | 2158.4      | 71        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-96 | 2128        | 70        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-96 | 2097.6      | 69        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-96 | 2036.8      | 67        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-96 | 2006.4      | 66        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-96 | 1976        | 65        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-96 | 1945.6      | 64        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-96 | 1884.8      | 62        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-96 | 1854.4      | 61        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-96 | 1824        | 60        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-97 | 1793.6      | 59        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-97 | 1763.2      | 58        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-97 | 1732.8      | 57        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-97 | 1702.4      | 56        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-97 | 1672        | 55        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-97 | 1641.6      | 54        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-97 | 1611.2      | 53        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-97 | 1580.8      | 52        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-97 | 1550.4      | 51        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-97 | 1520        | 50        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-97 | 1489.6      | 49        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-97 | 1459.2      | 48        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-98 | 1428.8      | 47        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-98 | 1398.4      | 46        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-98 | 1398.4      | 46        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-98 | 1368        | 45        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-98 | 1337.6      | 44        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-98 | 1307.2      | 43        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-98 | 1276.8      | 42        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-98 | 1246.4      | 41        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-98 | 1246.4      | 41        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-98 | 1216        | 40        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-98 | 1185.6      | 39        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-98 | 1155.2      | 38        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-99 | 1155.2      | 38        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-99 | 1124.8      | 37        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-99 | 1094.4      | 36        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-99 | 1094.4      | 36        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-99 | 1064        | 35        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-99 | 1033.6      | 34        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-99 | 1033.6      | 34        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-99 | 1003.2      | 33        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-99 | 1003.2      | 33        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-99 | 972.8       | 32        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-99 | 942.4       | 31        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-99 | 942.4       | 31        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-00 | 912         | 30        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-00 | 912         | 30        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-00 | 881.6       | 29        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-00 | 881.6       | 29        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-00 | 851.2       | 28        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-00 | 820.8       | 27        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-00 | 820.8       | 27        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-00 | 790.4       | 26        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-00 | 790.4       | 26        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-00 | 760         | 25        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-00 | 760         | 25        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-00 | 760         | 25        |

## LACK1E

| wellid         | wellname  | btu  | Date      | Monthly mcf | Daily MCF |
|----------------|-----------|------|-----------|-------------|-----------|
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-01 | 729.6       | 24        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-01 | 729.6       | 24        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-01 | 699.2       | 23        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-01 | 699.2       | 23        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-01 | 668.8       | 22        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-01 | 668.8       | 22        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-01 | 668.8       | 22        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-01 | 638.4       | 21        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-01 | 638.4       | 21        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-01 | 608         | 20        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-01 | 608         | 20        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-01 | 608         | 20        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-02 | 577.6       | 19        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-02 | 577.6       | 19        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-02 | 547.2       | 18        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-02 | 547.2       | 18        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-02 | 547.2       | 18        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-02 | 516.8       | 17        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-02 | 516.8       | 17        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-02 | 516.8       | 17        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-02 | 516.8       | 17        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-02 | 486.4       | 16        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-02 | 486.4       | 16        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-02 | 486.4       | 16        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-03 | 456         | 15        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-03 | 456         | 15        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-03 | 456         | 15        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-03 | 425.6       | 14        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-03 | 425.6       | 14        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-03 | 425.6       | 14        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-03 | 425.6       | 14        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-03 | 395.2       | 13        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-03 | 395.2       | 13        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-03 | 395.2       | 13        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-03 | 395.2       | 13        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-03 | 364.8       | 12        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-04 | 364.8       | 12        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-04 | 364.8       | 12        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-04 | 364.8       | 12        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-04 | 334.4       | 11        |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-04 | 334.4       | 11        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-04 | 334.4       | 11        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-04 | 334.4       | 11        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-04 | 334.4       | 11        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-04 | 304         | 10        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-04 | 304         | 10        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-04 | 304         | 10        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-04 | 304         | 10        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jan-05 | 304         | 10        |
| 300452491100DK | LACKEY 1E | 1184 | 01-Feb-05 | 273.6       | 9         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Mar-05 | 273.6       | 9         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Apr-05 | 273.6       | 9         |
| 300452491100DK | LACKEY 1E | 1184 | 01-May-05 | 273.6       | 9         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jun-05 | 273.6       | 9         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Jul-05 | 273.6       | 9         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Aug-05 | 243.2       | 8         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Sep-05 | 243.2       | 8         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Oct-05 | 243.2       | 8         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Nov-05 | 243.2       | 8         |
| 300452491100DK | LACKEY 1E | 1184 | 01-Dec-05 | 243.2       | 8         |

LACK1E

| wellid   | wellname  | btu  | Date      | Monthly mcf | Daily MCF |
|--|-----------|------|-----------|-------------|-----------|
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Jan-06 | 243.2       | 8         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Feb-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Mar-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Apr-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-May-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Jun-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Jul-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Aug-06 | 212.8       | 7         |
| 300452491100DK                                   | LACKEY 1E | 1184 | 01-Sep-06 | 212.8       | 7         |
| END OF FORECAST (ECONOMIC LIMIT OF WELL REACHED) |           |      |           |             |           |