

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240  
DISTRICT II  
811 South First St., Artesia, NM 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410  
DISTRICT IV  
2040 S. Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department  
**OIL CONSERVATION DIVISION**  
2040 S. Pacheco  
Santa Fe, New Mexico 87505-6429

Form C-107-A  
Revised August 1999

APPROVAL PROCESS:

☐ Administrative ☐ Hearing

EXISTING WELLBORE

☐ YES ☒ NO

APPLICATION FOR DOWNHOLE COMMINGLING

BURLINGTON RESOURCES OIL & GAS COMPANY

PO BOX 4289, FARMINGTON, NM 87499

Operator

Address

HEATON

7B

K 29-31N-11W

SAN JUAN

Lease

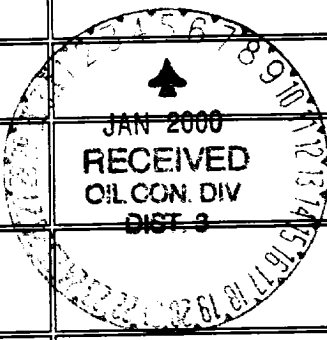
Well No.

Unit Ltr. - Sec - Twp - Rge

County

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 14538 Property Code 7105 API NO. 30-045-XXXXX Federal ☒ , State ☐ , (and/or) Fee ☐

| The following facts are submitted in support of downhole commingling:                                                                                                       | Upper Zone                                 | Intermediate Zone                                                                   | Lower Zone                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------|
| 1. Pool Name and Pool Code                                                                                                                                                  | BLANCO MESAVERDE - 72319                   |                                                                                     | BASIN DAKOTA - 71599                       |
| 2. Top and Bottom of Pay Section (Perforations)                                                                                                                             | WILL BE SUPPLIED UPON COMPLETION           |                                                                                     | WILL BE SUPPLIED UPON COMPLETION           |
| 3. Type of production (Oil or Gas)                                                                                                                                          | GAS                                        |                                                                                     | GAS                                        |
| 4. Method of Production (Flowing or Artificial Lift)                                                                                                                        | FLOWING                                    |                                                                                     | FLOWING                                    |
| 5. Bottomhole Pressure<br>Oil Zones - Artificial Lift:<br>Gas & Oil - Flowing:<br>All Gas Zones:<br>Estimated Current<br>Measured Current<br>Estimated Or Measured Original | a. (Current)<br>506 psi (see attachment)   |  | a. (Current)<br>800 psi (see attachment)   |
|                                                                                                                                                                             | b. (Original)<br>1095 psi (see attachment) |                                                                                     | b. (Original)<br>2384 psi (see attachment) |
| 6. Oil Gravity (EAPI) or Gas BTU Content                                                                                                                                    | BTU 1224                                   |                                                                                     | BTU 1156                                   |
| 7. Producing or Shut-In?                                                                                                                                                    | SHUT-IN                                    |                                                                                     | SHUT-IN                                    |
|                                                                                                                                                                             | NO                                         |                                                                                     | YES                                        |
| Production Marginal? (yes or no)<br><br>* If Shut-In, give date and oil/gas/water rates of last production<br><br>Note: For new zones with no production history,           | Date: N/A<br>Rates:                        | Date: N/A<br>Rates:                                                                 | Date: N/A<br>Rates:                        |

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 86211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                 |  |                                                           |  |             |                      |
|-----------------|--|-----------------------------------------------------------|--|-------------|----------------------|
| 1 API Number    |  | 2 Pool Code                                               |  | 3 Pool Name |                      |
| 4 Property Code |  | 5 Property Name<br>HEATON                                 |  |             | 6 Well Number<br>7B  |
| 7 GRID No.      |  | 8 Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY |  |             | 9 Elevation<br>5872' |

10 Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| K             | 29      | 31-N     | 11-W  |         | 1630          | SOUTH            | 1670          | WEST           | SAN JUAN |

11 Bottom Hole Location If Different From Surface

| UL or lot no.      | Section | Township | Range | Lot Idn | Feet from the      | North/South line | Feet from the         | East/West line | County       |
|--------------------|---------|----------|-------|---------|--------------------|------------------|-----------------------|----------------|--------------|
| 12 Dedicated Acres |         |          |       |         | 13 Joint or Infill |                  | 14 Consolidation Code |                | 15 Order No. |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

|                           |  |                                              |  |
|---------------------------|--|----------------------------------------------|--|
| 16                        |  |                                              |  |
| SF-078097                 |  |                                              |  |
| FD. 1953<br>BLM BRASS CAP |  | 29                                           |  |
| 2641.76'(N)               |  | LAT. = 36° 52.0' N.<br>LONG. = 108° 01.0' W. |  |
| 1670'                     |  |                                              |  |
| CALLISON                  |  | 1630'                                        |  |
| N 00-10-42 E              |  |                                              |  |
| FD. 1953<br>BLM BRASS     |  |                                              |  |

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature

Printed Name

Title

Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

Date of Survey

Signature and Seal of Professional Surveyor

8894

Certificate Number

FD. 1953  
BLM BRASS

**BURLINGTON**  
**RESOURCES**

SAN JUAN DIVISION  
3535 East 30th Street: (87402-8801)  
P.O. BOX 4289  
Farmington, New Mexico 87499-4289

**BURLINGTON**  
**RESOURCES**

SAN JUAN DIVISION  
3535 East 30th Street: (87402-8801)  
P.O. BOX 4289  
Farmington, New Mexico 87499-4289

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Conoco, Inc.  
10 Desta Drive, Suite 100W  
Midland, TX 79705

x

Amoco  
Outside Operated Properties  
PO Box 800  
Denver, CO 80201

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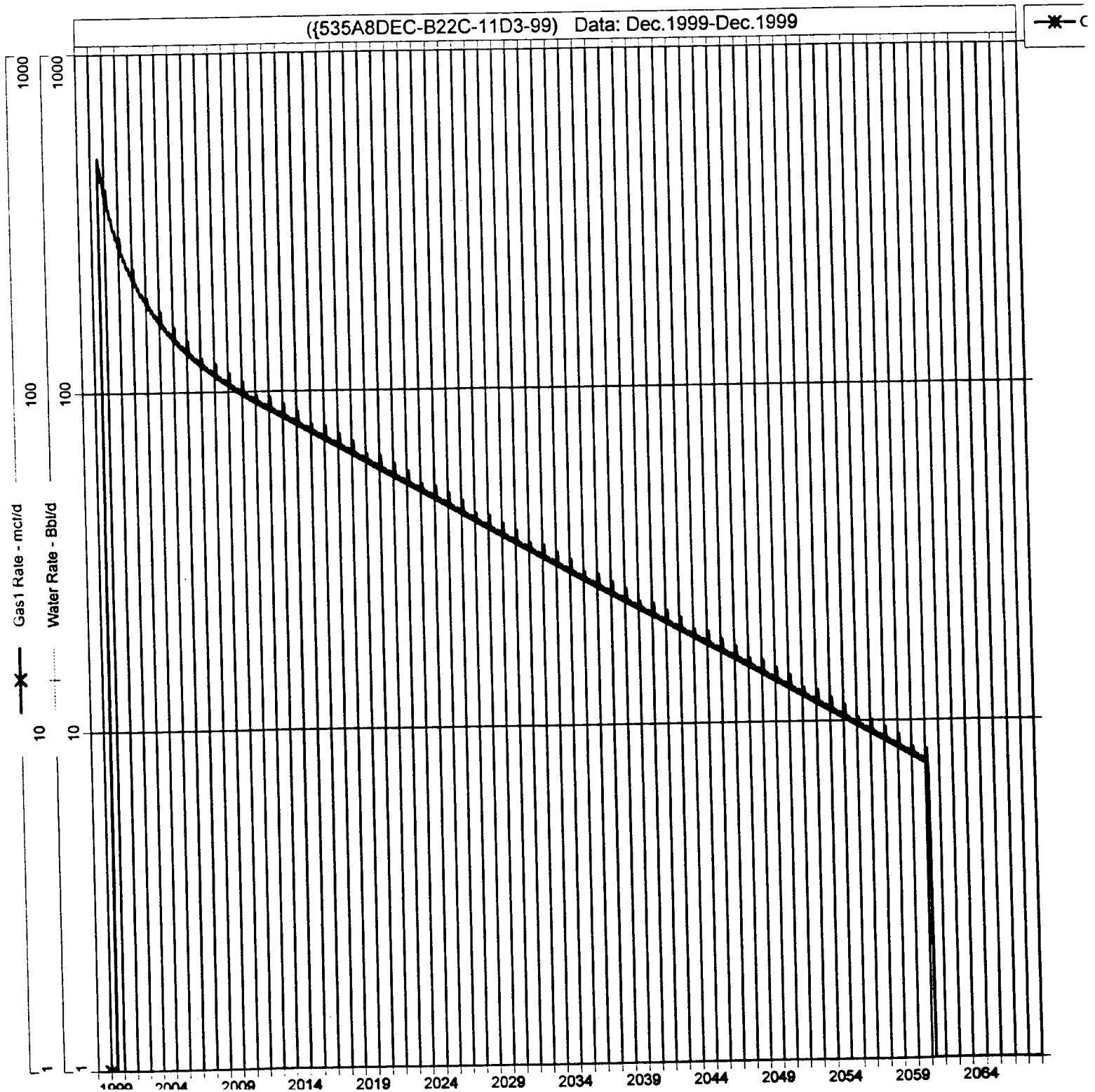
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## Mesaverde Formation



Heaton #7B  
Expected Production  
Dakota Formation



**Heaton #7B**  
Bottom Hole Pressures  
Flowing and Static BHP  
Cullender and Smith Method  
Version 1.0 3/13/94

| Mesaverde                      |        | Dakota                         |        |
|--------------------------------|--------|--------------------------------|--------|
| <u>MV-Current</u>              |        | <u>DK-Current</u>              |        |
| GAS GRAVITY                    | 0.707  | GAS GRAVITY                    | 0.684  |
| COND. OR MISC. (C/M)           | C      | COND. OR MISC. (C/M)           | C      |
| %N2                            | 0.36   | %N2                            | 0.31   |
| %CO2                           | 0.87   | %CO2                           | 2.16   |
| %H2S                           | 0      | %H2S                           | 0      |
| DIAMETER (IN)                  | 2.375  | DIAMETER (IN)                  | 2.375  |
| DEPTH (FT)                     | 5220   | DEPTH (FT)                     | 7205   |
| SURFACE TEMPERATURE (DEG F)    | 60     | SURFACE TEMPERATURE (DEG F)    | 60     |
| BOTTOMHOLE TEMPERATURE (DEG F) | 137    | BOTTOMHOLE TEMPERATURE (DEG F) | 198    |
| FLOWRATE (MCFPD)               | 0      | FLOWRATE (MCFPD)               | 0      |
| SURFACE PRESSURE (PSIA)        | 442    | SURFACE PRESSURE (PSIA)        | 672    |
| BOTTOMHOLE PRESSURE (PSIA)     | 505.6  | BOTTOMHOLE PRESSURE (PSIA)     | 799.5  |
| <u>MV-Original</u>             |        | <u>DK-Original</u>             |        |
| GAS GRAVITY                    | 0.707  | GAS GRAVITY                    | 0.684  |
| COND. OR MISC. (C/M)           | C      | COND. OR MISC. (C/M)           | C      |
| %N2                            | 0.36   | %N2                            | 0.31   |
| %CO2                           | 0.87   | %CO2                           | 2.16   |
| %H2S                           | 0      | %H2S                           | 0      |
| DIAMETER (IN)                  | 2.375  | DIAMETER (IN)                  | 2.375  |
| DEPTH (FT)                     | 5220   | DEPTH (FT)                     | 7205   |
| SURFACE TEMPERATURE (DEG F)    | 60     | SURFACE TEMPERATURE (DEG F)    | 60     |
| BOTTOMHOLE TEMPERATURE (DEG F) | 137    | BOTTOMHOLE TEMPERATURE (DEG F) | 198    |
| FLOWRATE (MCFPD)               | 0      | FLOWRATE (MCFPD)               | 0      |
| SURFACE PRESSURE (PSIA)        | 945    | SURFACE PRESSURE (PSIA)        | 1960   |
| BOTTOMHOLE PRESSURE (PSIA)     | 1095.4 | BOTTOMHOLE PRESSURE (PSIA)     | 2383.9 |

Heaton #7B

Mesaverde Offset

| <u>Well Name</u> | <u>Date</u> | <u>Pressure</u> |
|------------------|-------------|-----------------|
| GRENIER 6A       | 04/17/77    | 945             |
| GRENIER 6A       | 05/18/78    | 549             |
| GRENIER 6A       | 06/16/79    | 546             |
| GRENIER 6A       | 08/24/80    | 544             |
| GRENIER 6A       | 01/16/83    | 556             |
| GRENIER 6A       | 08/22/84    | 481             |
| GRENIER 6A       | 02/19/86    | 502             |
| GRENIER 6A       | 02/21/89    | 464             |
| GRENIER 6A       | 05/15/91    | 430             |
| GRENIER 6A       | 05/29/91    | 442             |

Heaton #7B  
Dakota Offset

| <u>Well Name</u> | <u>Date</u> | <u>Pressure</u> |
|------------------|-------------|-----------------|
| GRENIER 13E      | 07/09/82    | 1,960           |
| GRENIER 13E      | 11/16/82    | 1,277           |
| GRENIER 13E      | 04/24/83    | 996             |
| GRENIER 13E      | 08/22/84    | 786             |
| GRENIER 13E      | 05/29/85    | 828             |
| GRENIER 13E      | 01/13/88    | 624             |
| GRENIER 13E      | 02/06/91    | 672             |



Heaton #7B  
Mesaverde / Dakota  
31N - 11W - 29

