

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|  |                                      |                               |
|--|--------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP<br>3401 E. 30TH ST<br>FARMINGTON, NM 87402 |                                      | 2. OGRID Number<br>14538      |
|  |                                      | 3. API Number<br>30-045-33489 |
| 4. Property Code<br>6935   | 5. Property Name<br>CULPEPPER MARTIN | 6. Well No.<br>109S           |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County   |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|----------|
| D        | 32      | 32N      | 12W   | D       | 945       | N        | 1005      | W        | SAN JUAN |

**8. Pool Information**

|  |            |
|--|------------|
| BASIN FRUITLAND COAL (GAS)<br>WC32N12W32; Fruitland Sand | 71629<br>0 |
|--|------------|

**Additional Well Information**

|   |                            |   |                           |   |
|---|----------------------------|---|---------------------------|---|
| 9. Work Type<br>New Well  | 10. Well Type<br>GAS       | 11. Cable/Rotary                              | 12. Lease Type<br>Private | 13. Ground Level Elevation<br>5876          |
| 14. Multiple<br>Y   | 15. Proposed Depth<br>2430 | 16. Formation<br>Fruitland Coal               | 17. Contractor            | 18. Spud Date                               |
| Depth to Ground water<br>50   |                            | Distance from nearest fresh water well<br>900 |                           | Distance to nearest surface water<br>> 1000 |
| Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ miles thick Clay <input type="checkbox"/> Pit Volume: 0 _____ bbls Drilling Method:<br>Closed Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input checked="" type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/> |                            |   |                           |   |

**19. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Type | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 8.75      | 7           | 20               | 200           | 14              | 0             |
| Prod | 6.25      | 4.5         | 10.5             | 2430          | 117             | 0             |

**Casing/Cement Program: Additional Comments**

If the 7 surface casing is pre-set drilled (Mote) will cement 12sxs Type 1-2 cement w/20% flyash mixed(1.61cf/sx). Will bring cement to surface. Wait on cement for 24hrs for pre-set holes before pressure testing or drilling out.

**Proposed Blowout Prevention Program**

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 2000             | 2000          | Schafer      |

|   |                                  |                                 |
|---|----------------------------------|---------------------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br><b>I further certify that the drilling pit will be constructed according to NMOC guidelines</b> <input type="checkbox"/> a general permit <input checked="" type="checkbox"/> or an (attached) alternative OGD-approved plan <input type="checkbox"/> . | <b>OIL CONSERVATION DIVISION</b> |                                 |
| Printed Name: Electronically filed by Joni Clark  | Approved By: Charlie Perrin      |                                 |
| Title: Specialist   | Title: District Supervisor       |                                 |
| Email Address: jclark@br-inc.com  | Approved Date: 1/12/2006         | Expiration Date: 1/12/2007      |
| Date: 12/20/2005  | Phone: 505-326-9701              | Conditions of Approval Attached |

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(505) 393-6161 Fax:(505) 393-0720

**District II**  
 1301 W. Grand Ave., Artesia, NM 88210  
 Phone:(505) 748-1283 Fax:(505) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
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Form C-102  
 Permit 20353

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |   |  |
|-------------------------------|---|--|
| 1. API Number<br>30-045-33489 | 2. Pool Code<br>71629   | 3. Pool Name<br>BASIN FRUITLAND COAL (GAS) |
| 4. Property Code<br>6935      | 5. Property Name<br>CULPEPPER MARTIN                          | 6. Well No.<br>109S                        |
| 7. OGRID No.<br>14538         | 8. Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP | 9. Elevation<br>5876                       |

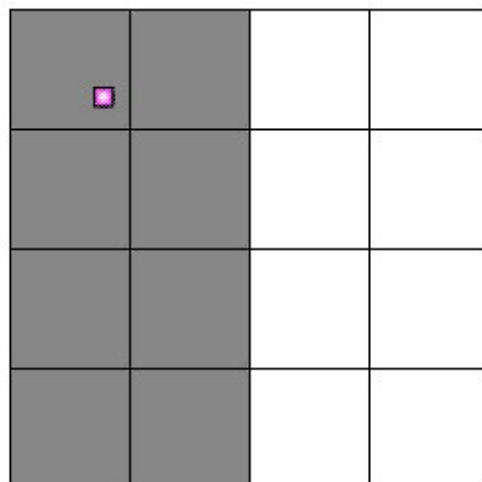
**10. Surface Location**

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**11. Bottom Hole Location If Different From Surface**

| UL - Lot                      | Section | Township            | Range | Lot Idn                | Feet From | N/S Line      | Feet From | E/W Line | County |
|-------------------------------|---------|---------------------|-------|------------------------|-----------|---------------|-----------|----------|--------|
| 12. Dedicated Acres<br>320.00 |         | 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**



**OPERATOR CERTIFICATION**

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

E-Signed By: Joni Clark  
 Title: Specialist  
 Date: 12/20/2005

**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.*

Surveyed By: Glen W. Russell  
 Date of Survey: 12/4/2005  
 Certificate Number: 15703

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| 7. OGRID No.<br>14538         | 8. Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP | 9. Elevation<br>5876                       |

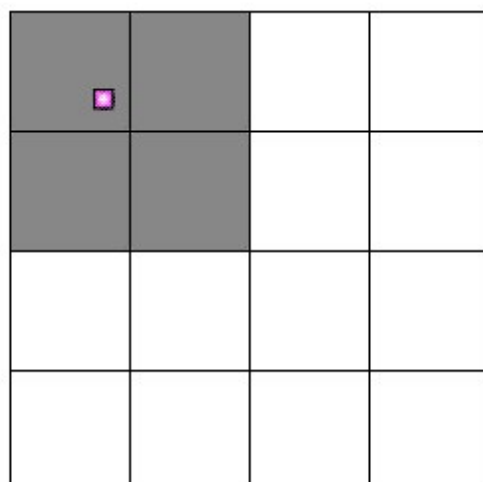
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|-------------------------------|---------|---------------------|-------|------------------------|-----------|---------------|-----------|----------|--------|
| 12. Dedicated Acres<br>160.00 |         | 13. Joint or Infill |       | 14. Consolidation Code |           | 15. Order No. |           |          |        |

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Surveyed By: Glen W. Russell  
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 Certificate Number: 15703

## Permit Comments

**Operator:** BURLINGTON RESOURCES OIL & GAS COMPANY LP , 14538

**Well:** CULPEPPER MARTIN #109S

**API:** 30-045-33489

| Created By | Comment  | Comment Date |
|------------|--|--------------|
| PLCLUGSTON | This is NOT a HPA well.  | 12/20/2005   |
| PLCLUGSTON | Plans are to commingle the FC & FS interval after the well is completed. A C107A will be filed and approved before the commingling occurs. | 12/20/2005   |
| SHAYDEN    | Recent H2S problems just south of this area suggest the need for close monitoring during drilling.   | 1/11/2006    |

## Permit Conditions of Approval

**Operator:** BURLINGTON RESOURCES OIL & GAS COMPANY LP , 14538

**Well:** CULPEPPER MARTIN #109S

**API:** 30-045-33489

| OCD Reviewer | Condition  |
|--------------|--|
| CPerrin      | Will require an OCD approved Hydrogen sulfide contingency plan posted on site. |