

**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 STREET<br>FARMINGTON, NM 87402 |                             | 2. OGRID Number<br>14538      |
|  |                             | 3. API Number<br>30-045-34792 |
| 4. Property Code<br>7248   | 5. Property Name<br>LARCHER | 6. Well No.<br>001B           |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County   |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|----------|
| L        | 7       | 31N      | 10W   | 3       | 2397      | S        | 777       | W        | SAN JUAN |

**8. Pool Information**

|                                 |       |
|---------------------------------|-------|
| BLANCO-MESAVERDE (PRORATED GAS) | 72319 |
| BASIN DAKOTA (PRORATED GAS)     | 71599 |

**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>5893 |
| 14. Multiple<br>Y   | 15. Proposed Depth<br>7263 | 16. Formation<br>Dakota Formation      | 17. Contractor            | 18. Spud Date                      |
| Depth to Ground water   |                            | Distance from nearest fresh water well |                           | Distance to nearest surface water  |
| Pit: Liner: Synthetic <input type="checkbox"/> mils thick    Clay <input type="checkbox"/> Pit Volume:      bbls    Drilling Method:  |                            |  |                           |                                    |
| Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input 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 | 12.25     | 9.625       | 32.3             | 200           | 164             | 0             |
| Int1 | 8.75      | 7           | 20               | 2936          | 661             | 0             |
| Prod | 6.25      | 4.25        | 11.6             | 7263          | 589             | 0             |

**Casing/Cement Program: Additional Comments**

This well falls under Master Operational Plan #3. The cement is in cubic feet instead of sacks. Production casing will be at least 100 feet inside previous casing string. The C144 will be submitted.

**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 NMOCB guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCB-approved plan <input type="checkbox"/>.</b> | <b>OIL CONSERVATION DIVISION</b>                         |
| Printed Name: Electronically filed by Tracey N Monroe  | Approved By: Charlie Perrin                              |
| Title: Regulatory Assistant  | Title: District Supervisor                               |
| Email Address: monrotn@conocophillips.com  | Approved Date: 9/23/2008      Expiration Date: 9/23/2010 |
| Date: 9/15/2008      Phone: 505-326-9752   | 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 82070

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |   |   |
|-------------------------------|---|---|
| 1. API Number<br>30-045-34792 | 2. Pool Code<br>72319   | 3. Pool Name<br>BLANCO-MESAVERDE (PRORATED GAS) |
| 4. Property Code<br>7248      | 5. Property Name<br>LARCHER                                   | 6. Well No.<br>001B                             |
| 7. OGRID No.<br>14538         | 8. Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP | 9. Elevation<br>5893                            |

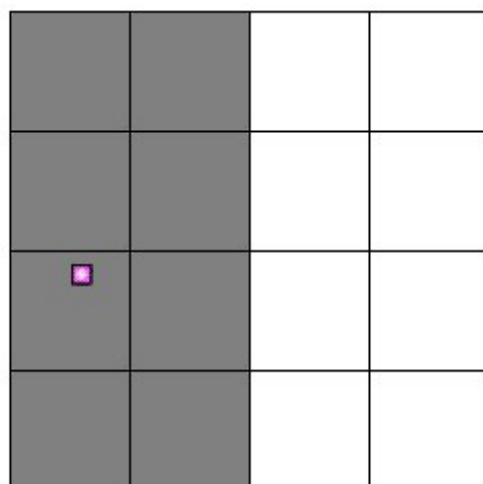
**10. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County   |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|----------|
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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>316.90 |         | 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: Tracey N Monroe  
 Title: Regulatory Assistant  
 Date: 9/15/2008

**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: Henry Broadhurst, JR.  
 Date of Survey: 8/15/2007  
 Certificate Number: 11393

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Form C-102  
 Permit 82070

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |   |   |
|-------------------------------|---|---|
| 1. API Number<br>30-045-34792 | 2. Pool Code<br>71599   | 3. Pool Name<br>BASIN DAKOTA (PRORATED GAS) |
| 4. Property Code<br>7248      | 5. Property Name<br>LARCHER                                   | 6. Well No.<br>001B                         |
| 7. OGRID No.<br>14538         | 8. Operator Name<br>BURLINGTON RESOURCES OIL & GAS COMPANY LP | 9. Elevation<br>5893                        |

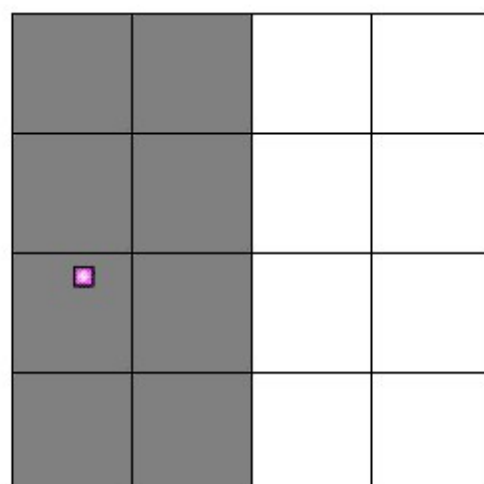
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Surveyed By: Henry Broadhurst, JR.  
 Date of Survey: 8/15/2007  
 Certificate Number: 11393

# Permit Conditions of Approval

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

**Well:** LARCHER #001B

**API:** 30-045-34792

| OCD<br>Reviewer | Condition  |
|-----------------|--|
| SHAYDEN         | A complete C-144 must be submitted to, and approved by, the NM OCD for: a pit, closed loop system, below grade tank, or proposed alternative method, pursuant to NMOCDC part 16.15.17, prior to the use or construction of the above applications. |