

**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>CIMAREX ENERGY CO. OF COLORADO<br>600 N. Marienfeld St<br>Midland, TX 79701 |                                       | 2. OGRID Number<br>162683     |
|   |                                       | 3. API Number<br>30-015-38499 |
| 4. Property Code<br>21728   | 5. Property Name<br>PARKWAY STATE COM | 6. Well No.<br>005Y           |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| C        | 15      | 19S      | 29E   | C       | 405       | N        | 1980      | W        | EDDY   |

**8. Pool Information**

|                          |       |
|--------------------------|-------|
| TURKEY TRACK;BONE SPRING | 60660 |
|--------------------------|-------|

**Additional Well Information**

|  |                             |  |                         |                                    |
|--|-----------------------------|--|-------------------------|------------------------------------|
| 9. Work Type<br>New Well   | 10. Well Type<br>OIL        | 11. Cable/Rotary                       | 12. Lease Type<br>State | 13. Ground Level Elevation<br>3352 |
| 14. Multiple<br>N  | 15. Proposed Depth<br>12387 | 16. Formation<br>Bone Spring           | 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"/> mls thick Clay <input type="checkbox"/> Pit Volume:      bbls Drilling Method:<br>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 | 17.5      | 13.375      | 48               | 450           | 450             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 2500          | 815             | 0             |
| Prod | 8.75      | 5.5         | 17               | 12387         | 1900            | 2300          |

**Casing/Cement Program: Additional Comments**

Drill 8.75" hole to KOP @ 7690. Begin drilling 8.75" lateral and reach TD @ 12387 MD, 7950 TVD. Run 5.5" casing from 0-12387 and cement.

**Proposed Blowout Prevention Program**

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 5000             | 5000          | Cameran      |

|  |   |                                 |
|--|---|---------------------------------|
| I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . | <b>OIL CONSERVATION DIVISION</b>                  |                                 |
|  | Approved By: Randy Dade                           |                                 |
|  | Title: District Supervisor                        |                                 |
|  | Approved Date: 3/1/2011                           | Expiration Date: 3/1/2013       |
|  | Printed Name: Electronically filed by Zeno Farris |                                 |
|  | Title: Manager Operations Administration          |                                 |
| Email Address: zfarris@cimarex.com   |   |                                 |
| Date: 2/28/2011  | Phone: 432-620-1936                               | 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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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
 Permit 128030

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|  |                                       |  |
|--|---------------------------------------|--|
| 1. API Number<br>30-015-38499                      | 2. Pool Code<br>60660                 | 3. Pool Name<br>TURKEY TRACK;BONE SPRING |
| 4. Property Code<br>21728                          | 5. Property Name<br>PARKWAY STATE COM |  |
| 6. Well No.<br>005Y                                | 7. OGRID No.<br>162683                |  |
| 8. Operator Name<br>CIMAREX ENERGY CO. OF COLORADO | 9. Elevation<br>3352                  |  |

**10. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| C        | 15      | 19S      | 29E   |         | 405       | N        | 1980      | W        | EDDY   |

**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 |
|-------------------------------|---------|---------------------|-------|---|-----------|----------|---------------|----------|--------|
| N                             | 15      | 19S                 | 29E   | N   | 330       | S        | 1980          | W        | EDDY   |
| 12. Dedicated Acres<br>160.00 |         | 13. Joint or Infill |       | 14. Consolidation Code<br>Communitization |           |          | 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**

|  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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## Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: PARKWAY STATE COM #005Y

API: 30-015-38499

| Created By | Comment  | Comment Date |
|------------|--|--------------|
| NKRUEGER   | This APD is for the new, skidded location of the Parkway St Com 5. The well had to be skidded because of cave-in issues. | 2/28/2011    |
| NKRUEGER   | C-102, C-144, and preliminary directional survey to be emailed to OCD.   | 2/28/2011    |
| Artesia    | Land S/S   | 2/28/2011    |

# Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: PARKWAY STATE COM #005Y

API: 30-015-38499

| <b>OCD<br/>Reviewer</b> | <b>Condition</b>   |
|-------------------------|--|
| Artesia                 | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string |