

## 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>30-015-39102 |
| 4. Property Code<br>38645   | 5. Property Name<br>ALASKA 29 FEE | 6. Well No.<br>005            |

## 7. Surface Location

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| N        | 29      | 18S      | 26E   | N       | 990       | S        | 2310      | W        | EDDY   |

## 8. Pool Information

|                              |       |
|------------------------------|-------|
| PENASCO DRAW:SA-YESO (ASSOC) | 50270 |
|------------------------------|-------|

### Additional Well Information

|   |                            |  |                           |                                    |
|---|----------------------------|--|---------------------------|------------------------------------|
| 9. Work Type<br>New Well  | 10. Well Type<br>OIL       | 11. Cable/Rotary                       | 12. Lease Type<br>Private | 13. Ground Level Elevation<br>3422 |
| 14. Multiple<br>N   | 15. Proposed Depth<br>3000 | 16. Formation<br>Blinsbry              | 17. Contractor            | 18. Spud Date                      |
| Depth to Ground water   |                            | Distance from nearest fresh water well |                           | Distance to nearest surface water  |
| Pit: Linear: Synthetic <input type="checkbox"/> mls 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 | 14.75     | 9.625       | 36               | 950           | 1200            | 0             |
| Prod | 8.75      | 5.5         | 17               | 3000          | 640             | 0             |

**Casing/Cement Program: Additional Comments**

Complete details to be sent to OCD office via email.

### Proposed Blowout Prevention Program

| Type      | Working Pressure | Test Pressure | Manufacturer |
|-----------|------------------|---------------|--------------|
| DoubleRam | 3000             | 3000          | Cameron      |

|  |  |  |  |
|--|--|--|--|
| 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"/> . |  | OIL CONSERVATION DIVISION                              |  |
| Printed Name: Electronically filed by Zeno Farris  |  | Approved By: Randy Dade                                |  |
| Title: Manager Operations Administration   |  | Title: District Supervisor                             |  |
| Email Address: zfarris@cimarex.com   |  | Approved Date: 6/1/2011      Expiration Date: 6/1/2013 |  |
| Date: 6/1/2011      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**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-102  
Permit 132409

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |  |  |
|-------------------------------|--|--|
| 1. API Number<br>30-015-39102 | 2. Pool Code<br>50270                              | 3. Pool Name<br>PENASCO DRAW;SA-YESO (ASSOC) |
| 4. Property Code<br>38645     | 5. Property Name<br>ALASKA 29 FEE                  | 6. Well No.<br>005                           |
| 7. OGRID No.<br>162683        | 8. Operator Name<br>CIMAREX ENERGY CO. OF COLORADO | 9. Elevation<br>3422                         |

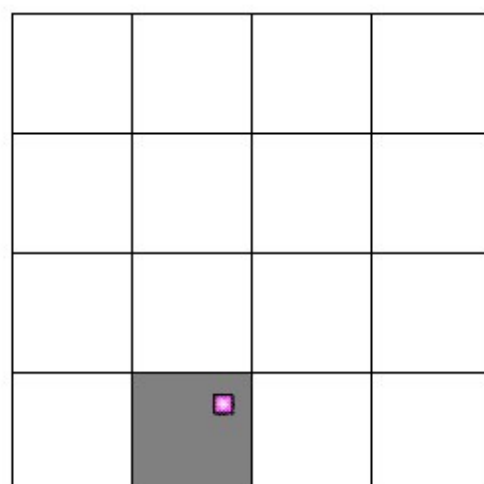
**10. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| N        | 29      | 18S      | 26E   |         | 990       | S        | 2310      | 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 |
|------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| 12. Dedicated Acres<br>40.00 | 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: Zeno Farris  
Title: Manager Operations Administration  
Date: 6/1/2011

**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: Gary L. Jones  
Date of Survey: 5/16/2011  
Certificate Number: 7977

## Permit Comments

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: ALASKA 29 FEE #005

API: 30-015-39102

| Created By | Comment                            | Comment Date |
|------------|------------------------------------|--------------|
| NKRUEGER   | C-144 to be emailed to OCD office. | 5/31/2011    |
| Artesia    | Land P/P                           | 5/31/2011    |
| Artesia    | rejected at operator's request     | 5/31/2011    |

# Permit Conditions of Approval

Operator: CIMAREX ENERGY CO. OF COLORADO , 162683

Well: ALASKA 29 FEE #005

API: 30-015-39102

| OCD<br>Reviewer | Condition  |
|-----------------|--|
| 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 |