

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 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-101  
August 1, 2011  
Permit 180683

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

|                                                                                                      |  |                               |
|------------------------------------------------------------------------------------------------------|--|-------------------------------|
| 1. Operator Name and Address<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 |  | 2. OGRID Number<br>228937     |
| 4. Property Code<br>40370                                                                            |  | 3. API Number<br>30-025-41637 |
| 5. Property Name<br>CIMARRON COM                                                                     |  | 6. Well No.<br>001H           |

**7. Surface Location**

|          |   |         |    |          |     |       |     |         |  |           |     |          |   |           |     |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|--|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|
| UL - Lot | P | Section | 16 | Township | 19S | Range | 34E | Lot Idn |  | Feet From | 250 | N/S Line | N | Feet From | 330 | E/W Line | E | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|--|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|

**8. Proposed Bottom Hole Location**

|          |   |         |    |          |     |       |     |         |   |           |     |          |   |           |     |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|
| UL - Lot | A | Section | 16 | Township | 19S | Range | 34E | Lot Idn | A | Feet From | 240 | N/S Line | S | Feet From | 380 | E/W Line | E | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|

**9. Pool Information**

|                         |       |
|-------------------------|-------|
| QUAIL RIDGE;BONE SPRING | 50460 |
|-------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3833 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>15400 | 18. Formation<br>2nd Bone Spring Sand  | 19. Contractor          | 20. Spud Date<br>8/25/2014         |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf | 17.5      | 13.375      | 54               | 1800          | 1800            | 0             |
| Int1 | 12.25     | 9.625       | 40               | 5900          | 2400            | 0             |
| Prod | 8.75      | 5.5         | 20               | 15400         | 2400            | 4500          |

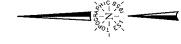
**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

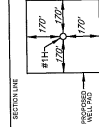
**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Annular    | 5000             | 5000          | CAMERON      |
| Double Ram | 10000            | 10000         | CAMERON      |
| Pipe       | 10000            | 10000         | CAMERON      |

|                                                                                                                                                                                                                                                                                                                        |                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.<br><br>Signature: | <b>OIL CONSERVATION DIVISION</b>                                                                           |
| Printed Name: Electronically filed by Michael Ernest<br>Title: Chief Engineer<br>Email Address: mernest@matadorresources.com<br>Date: 1/29/2014                                                                                                                                                                        | Approved By: Paul Kautz<br>Title: Geologist<br>Approved Date: 1/30/2014<br>Conditions of Approval Attached |
| Phone: 972-371-5223                                                                                                                                                                                                                                                                                                    | Expiration Date: 1/30/2016                                                                                 |



DETAIL VIEW  
SCALE: 1" = 500'



LEASE NAME & WELL NO.: CIMARRON 16-19-34 #1H

SECTION 16 TWP 19-S RGE 34-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM  
DESCRIPTION 250' FNL & 330' FEL

DISTANCE & DIRECTION FROM INT. OF NM-529 & NM-238 GO WEST ON NM-529 ±5.7 MILES, THENCE SOUTHWEST (LEFT) ON CO. RD. 55 ±3.2 MILES TO A POINT ±1000 FEET SOUTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM, 1927. U.S. SURVEY FEET

Michael Blake Brown, P.S. No. 18329  
DECEMBER 11 2013



**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 187 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7548  
2803 NORTH GIG SPRING • MIDLAND, TEXAS 79705  
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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

Form APD Comments  
  
Permit 180683

**PERMIT COMMENTS**

|                                                                                                             |          |                             |
|-------------------------------------------------------------------------------------------------------------|----------|-----------------------------|
| Operator Name and Address:<br>MATADOR PRODUCTION COMPANY [228937]<br>One Lincoln Centre<br>Dallas, TX 75240 |          | API Number:<br>30-025-41637 |
|                                                                                                             |          | Well:<br>CIMARRON COM #001H |
| Created By                                                                                                  | Comment  | Comment Date                |
| pkautz                                                                                                      | Land s/S | 1/29/2014                   |

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Form APD Conditions

Permit 180683

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
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**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                             |                             |
|-------------------------------------------------------------------------------------------------------------|-----------------------------|
| Operator Name and Address:<br>MATADOR PRODUCTION COMPANY [228937]<br>One Lincoln Centre<br>Dallas, TX 75240 | API Number:<br>30-025-41637 |
|                                                                                                             | Well:<br>CIMARRON COM #001H |

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| pkautz          | Will require a directional survey with the C-104                                                                                                                                                                                                                     |
| pkautz          | 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 |
| pkautz          | Operator must file for a com agreement with the SLO                                                                                                                                                                                                                  |
| pkautz          | 1) SURFACE & INTERNEMIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --                                                                                                                       |
| pkautz          | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water                                                                                                                                                                 |