

**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 141073

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

|                                                                                         |                                         |                               |
|-----------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 |                                         | 2. OGRID Number<br>7377       |
|                                                                                         |                                         | 3. API Number<br>30-025-40372 |
| 4. Property Code<br>38961                                                               | 5. Property Name<br>BROWN BEAR 36 STATE | 6. Well No.<br>002H           |

**7. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| M        | 36      | 25S      | 33E   | M       | 180       | S        | 1310      | W        | LEA    |

**8. Pool Information**

|                                     |       |
|-------------------------------------|-------|
| WC RED HILLS;BONE SPRING UPPER SHAL | 97900 |
|-------------------------------------|-------|

**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>3317 |
| 14. Multiple<br>N        | 15. Proposed Depth<br>14115 | 16. Formation<br>Bone Spring           | 17. Contractor          | 18. Spud Date<br>1/1/2012          |
| Depth to Ground water    |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

**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      | 54.5             | 1015          | 825             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 5100          | 1525            | 0             |
| Prod | 8.75      | 5.5         | 17               | 14115         | 1900            | 4600          |

**Casing/Cement Program: Additional Comments**

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

**Proposed Blowout Prevention Program**

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                  |                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|
| 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"/> .<br>Printed Name: Electronically filed by Stan Wagner<br>Title: Regulatory Analyst<br>Email Address: Stan_Wagner@eogresources.com<br>Date: 12/7/2011      Phone: 432-686-3689 | <b>OIL CONSERVATION DIVISION</b> |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Approved By: Paul Kautz          |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Title: Geologist                 |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Approved Date: 12/14/2011        | Expiration Date: 12/14/2013 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Conditions of Approval Attached  |                             |

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

Form C-102  
August 1, 2011  
Permit 141073

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |                                         |                                                     |
|-------------------------------|-----------------------------------------|-----------------------------------------------------|
| 1. API Number<br>30-025-40372 | 2. Pool Code<br>97900                   | 3. Pool Name<br>WC RED HILLS;BONE SPRING UPPER SHAL |
| 4. Property Code<br>38961     | 5. Property Name<br>BROWN BEAR 36 STATE | 6. Well No.<br>002H                                 |
| 7. OGRID No.<br>7377          | 8. Operator Name<br>EOG RESOURCES INC   | 9. Elevation<br>3317                                |

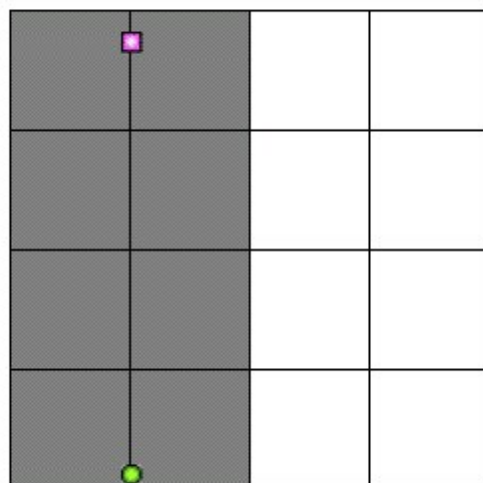
**10. Surface Location**

| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| M        | 36      | 25S      | 33E   |         | 180       | S        | 1310      | W        | LEA    |

**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 |
|-------------------------------|---------------------|------------------------|---------------|---------|-----------|----------|-----------|----------|--------|
| D                             | 36                  | 25S                    | 33E           | D       | 330       | N        | 1310      | W        | LEA    |
| 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: Stan Wagner  
Title: Regulatory Analyst  
Date: 12/7/2011

**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: Terry Asel  
Date of Survey: 10/18/2011  
Certificate Number: 15079

## Permit Comments

**Operator:** EOG RESOURCES INC , 7377

**Well:** BROWN BEAR 36 STATE #002H

**API:** 30-025-40372

| Created By | Comment                                                                                | Comment Date |
|------------|----------------------------------------------------------------------------------------|--------------|
| SWAGNER    | C-144, C-102, Casing Detail, Directional plan, and H2S Plan will be mailed separately. | 12/6/2011    |
| pkautz     | Land s/S                                                                               | 12/7/2011    |
| DMULL      | OCD Hobbs office has received form C-144CLEZ. OCD Permit Number P1-04005.              | 12/14/2011   |

# Permit Conditions of Approval

**Operator:** EOG RESOURCES INC , 7377

**Well:** BROWN BEAR 36 STATE #002H

**API:** 30-025-40372

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