

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 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) 334-8178 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 193180

**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       |
| 4. Property Code<br>38961   |  | 3. API Number<br>30-025-42154 |
| 5. Property Name<br>BROWN BEAR 36 STATE   |  | 6. Well No.<br>502H           |

**7. Surface Location**

|          |   |         |    |          |     |       |     |         |           |     |          |   |           |     |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|
| UL - Lot | D | Section | 36 | Township | 25S | Range | 33E | Lot Idn | Feet From | 230 | N/S Line | N | Feet From | 835 | E/W Line | W | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|-----------|-----|----------|---|-----------|-----|----------|---|--------|-----|

**8. Proposed Bottom Hole Location**

|          |   |         |    |          |     |       |     |         |   |           |     |          |   |           |      |          |   |        |     |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|-----|----------|---|-----------|------|----------|---|--------|-----|
| UL - Lot | M | Section | 36 | Township | 25S | Range | 33E | Lot Idn | M | Feet From | 230 | N/S Line | S | Feet From | 1260 | E/W Line | W | County | Lea |
|----------|---|---------|----|----------|-----|-------|-----|---------|---|-----------|-----|----------|---|-----------|------|----------|---|--------|-----|

**9. Pool Information**

|                                  |       |
|----------------------------------|-------|
| WC-025 G-09 S253335K;BONE SPRING | 97741 |
|----------------------------------|-------|

**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>3335 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>15667 | 18. Formation<br>2nd Bone Spring Sand  | 19. Contractor          | 20. Spud Date<br>11/1/2014         |
| 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      | 54.5             | 1065          | 600             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 4000          | 1000            | 0             |
| Int2 | 12.25     | 9.625       | 40               | 5000          | 1000            | 0             |
| Prod | 8.75      | 5.5         | 17               | 15667         | 2075            | 4500          |

**Casing/Cement Program: Additional Comments**

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

**22. Proposed Blowout Prevention Program**

|            |                  |               |              |
|------------|------------------|---------------|--------------|
| Type       | Working Pressure | Test Pressure | Manufacturer |
| Double Ram | 3000             | 3000          |              |

|  |  |
|--|--|
| 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:<br>Printed Name: Electronically filed by Stan Wagner<br>Title: Regulatory Analyst<br>Email Address: Stan_Wagner@eogresources.com<br>Date: 9/29/2014 | <p style="text-align: center;"><b>OIL CONSERVATION DIVISION</b></p> Approved By: Paul Kautz<br>Title: Geologist<br>Approved Date: 9/29/2014<br>Expiration Date: 9/29/2016<br>Conditions of Approval Attached |
|--|--|

Phone: 432-686-3689

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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 183180

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                               |   |  |
|-------------------------------|---|--|
| 1. API Number<br>30-025-42154 | 2. Pool Code<br>97741                   | 3. Pool Name<br>WC-025 G-09 S253335K;BONE SPRING |
| 4. Property Code<br>38961     | 5. Property Name<br>BROWN BEAR 36 STATE | 6. Well No.<br>502H                              |
| 7. OGRID No.<br>7377          | 8. Operator Name<br>EOG RESOURCES INC   | 9. Elevation<br>3335                             |

**10. Surface Location**

|               |               |                 |              |         |                  |               |                  |               |               |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|
| UL - Lot<br>D | Section<br>36 | Township<br>25S | Range<br>33E | Lot Idn | Feet From<br>230 | N/S Line<br>N | Feet From<br>835 | E/W Line<br>W | County<br>Lea |
|---------------|---------------|-----------------|--------------|---------|------------------|---------------|------------------|---------------|---------------|

**11. Bottom Hole Location If Different From Surface**

|                               |                     |                 |                        |         |                  |               |                   |               |               |
|-------------------------------|---------------------|-----------------|------------------------|---------|------------------|---------------|-------------------|---------------|---------------|
| UL - Lot<br>M                 | Section<br>36       | Township<br>25S | Range<br>33E           | Lot Idn | Feet From<br>230 | N/S Line<br>S | Feet From<br>1260 | E/W Line<br>W | County<br>Lea |
| 12. Dedicated Acres<br>160.00 | 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**

|   |  |
|---|--|
| <div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <div style="position: absolute; top: 5px; left: 5px; width: 20px; height: 20px; background-color: green; border: 1px solid black;"></div> <div style="position: absolute; bottom: 5px; right: 5px; width: 20px; height: 20px; background-color: purple; border: 1px solid black;"></div> </div> | <div style="text-align: center; font-weight: bold; margin-bottom: 10px;">OPERATOR CERTIFICATION</div> <p><i>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.</i></p> <p>E-Signed By:        Stan Wagner<br/>Title:                Regulatory Analyst<br/>Date:                 9/29/2014</p> <hr/> <div style="text-align: center; font-weight: bold; margin-bottom: 10px;">SURVEYOR CERTIFICATION</div> <p><i>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.</i></p> <p>Surveyed By:        Michael Brown<br/>Date of Survey:     9/8/2014<br/>Certificate Number: 18329</p> |
|---|--|

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**Santa Fe, NM 87505**

Form APD Comments  
  
 Permit 193180

**PERMIT COMMENTS**

|  |   |                                    |
|--|---|------------------------------------|
| Operator Name and Address:<br>EOG RESOURCES INC [7377]<br>P.O. Box 2267<br>Midland, TX 79702 |   | API Number:<br>30-025-42154        |
|  |   | Well:<br>BROWN BEAR 36 STATE #502H |
| Created By   | Comment   | Comment Date                       |
| SWAGNER  | C-102, directional plan, and H2S plan will be emailed separately. | 9/29/2014                          |

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Form APD Conditions

Permit 193180

**PERMIT CONDITIONS OF APPROVAL**

|  |                                    |
|--|------------------------------------|
| Operator Name and Address:<br>EOG RESOURCES INC [7377]<br>P.O. Box 2267<br>Midland, TX 79702 | API Number:<br>30-025-42154        |
|  | Well:<br>BROWN BEAR 36 STATE #502H |

| 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          | If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.  |
| pkautz          | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water   |
| pkautz          | 1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --   |
| pkautz          | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement   |