

**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 246565

**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>313190                                                              |  | 3. API Number<br>30-025-44318 |
| 5. Property Name<br>RUBY 2 STATE COM                                                    |  | 6. Well No.<br>708H           |

**7. Surface Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| A        | 2       | 26S      | 34E   | A       | 313       | N        | 887       | E        | Lea    |

**8. Proposed Bottom Hole Location**

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| P        | 2       | 26S      | 34E   | P       | 230       | S        | 993       | E        | Lea    |

**9. Pool Information**

|                      |       |
|----------------------|-------|
| HARDIN TANK;WOLFCAMP | 96658 |
|----------------------|-------|

**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>3297 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>17423 | 18. Formation<br>Upper Wolfcamp        | 19. Contractor          | 20. Spud Date<br>2/1/2018          |
| 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             | 900           | 1030            | 0             |
| Int1 | 12.25     | 9.625       | 40               | 4000          | 995             | 0             |
| Int1 | 12.25     | 9.625       | 40               | 5100          | 995             | 0             |
| Int2 | 8.75      | 7.625       | 29.7             | 11600         | 775             | 4600          |
| Prod | 6.75      | 5.5         | 17               | 17423         | 950             | 11100         |

**Casing/Cement Program: Additional Comments**

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

**22. Proposed Blowout Prevention Program**

|            |                  |               |              |
|------------|------------------|---------------|--------------|
| Type       | Working Pressure | Test Pressure | Manufacturer |
| Double Ram | 5000             | 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: | <b>OIL CONSERVATION DIVISION</b>                       |
| Printed Name: Electronically filed by Stan Wagner                                                                                                                                                                                                                                                                    | Approved By: Paul Kautz                                |
| Title: Regulatory Analyst                                                                                                                                                                                                                                                                                            | Title: Geologist                                       |
| Email Address: Stan_Wagner@eogresources.com                                                                                                                                                                                                                                                                          | Approved Date: 1/5/2018      Expiration Date: 1/5/2020 |
| Date: 1/4/2018      Phone: 432-686-3689                                                                                                                                                                                                                                                                              | Conditions of Approval Attached                        |

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**State of New Mexico  
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Santa Fe, NM 87505**

Permit 246565

|                               |                                       |                                      |
|-------------------------------|---------------------------------------|--------------------------------------|
| 1. API Number<br>30-025-44318 | 2. Pool Code<br>96658                 | 3. Pool Name<br>HARDIN TANK;WOLFCAMP |
| 4. Property Code<br>313190    | 5. Property Name<br>RUBY 2 STATE COM  | 6. Well No.<br>708H                  |
| 7. OGRID No.<br>7377          | 8. Operator Name<br>EOG RESOURCES INC | 9. Elevation<br>3297                 |

|               |              |                 |              |              |                  |               |                  |               |               |
|---------------|--------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|---------------|
| UL - Lot<br>A | Section<br>2 | Township<br>26S | Range<br>34E | Lot Idn<br>A | Feet From<br>313 | N/S Line<br>N | Feet From<br>887 | E/W Line<br>E | County<br>Lea |
|---------------|--------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|---------------|

|          |         |          |       |         |           |          |           |          |        |
|----------|---------|----------|-------|---------|-----------|----------|-----------|----------|--------|
| UL - Lot | Section | Township | Range | Lot Idn | Feet From | N/S Line | Feet From | E/W Line | County |
| P        | 2       | 26S      | 34E   | P       | 230       | S        | 993       | E        | Lea    |

|                               |                     |                        |               |
|-------------------------------|---------------------|------------------------|---------------|
| 12. Dedicated Acres<br>160.00 | 13. Joint or Infill | 14. Consolidation Code | 15. Order No. |
|-------------------------------|---------------------|------------------------|---------------|

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

**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:                                    1/4/2018

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**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:                      Michael Brown

Date of Survey:                    12/8/2017

Certificate Number:              18329

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**Santa Fe, NM 87505**

Form APD Comments

Permit 246565

**PERMIT COMMENTS**

|                                                                                              |  |                                 |
|----------------------------------------------------------------------------------------------|--|---------------------------------|
| Operator Name and Address:<br>EOG RESOURCES INC [7377]<br>P.O. Box 2267<br>Midland, TX 79702 |  | API Number:<br>30-025-44318     |
|                                                                                              |  | Well:<br>RUBY 2 STATE COM #708H |

|            |         |              |
|------------|---------|--------------|
| Created By | Comment | Comment Date |
|------------|---------|--------------|

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Form APD Conditions

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**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>30-025-44318     |
|                                                                                              | Well:<br>RUBY 2 STATE COM #708H |

|                 |                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                                                                                                                             |
| pkautz          | Will require a directional survey with the C-104                                                                                                                                                                                                                                                                                                                      |
| pkautz          | 1) SURFACE & INTERMEDIATE1 CASING - Cement must circulate to surface -- 2) INTERMEDIATE2 CASING - Cement must tie back into intermediate1 casing -- 3) PRODUCTION CASING - Cement must tie back into intermediate2 casing --                                                                                                                                          |
| pkautz          | If cement does not circulate to surface, must run temperature survey or other log to determine top of cement                                                                                                                                                                                                                                                          |
| pkautz          | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water                                                                                                                                                                                                                                                                  |
| pkautz          | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water                                                                                                                                                                                                                                                                  |
| pkautz          | Stage Tool - 1) Must notify OCD Hobbs Office prior to running Stage Tool at 575-370-3186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe. |