

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 243226

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

| | | |
|---|--|-------------------------------|
| 1. Operator Name and Address EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702 | | 2. OGRID Number 7377 |
| 4. Property Code 320061 | | 3. API Number 30-015-44564 |
| 5. Property Name VACAKEY | | 6. Well No. 001H |

7. Surface Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|
| UL - Lot M | Section 11 | Township 20S | Range 24E | Lot Idn M | Feet From 330 | N/S Line S | Feet From 200 | E/W Line W | County Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|

8. Proposed Bottom Hole Location

| | | | | | | | | | |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|
| UL - Lot P | Section 11 | Township 20S | Range 24E | Lot Idn P | Feet From 350 | N/S Line S | Feet From 230 | E/W Line E | County Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|----------------|

9. Pool Information

| | |
|--------------------------------|-------|
| N. SEVEN RIVERS; GLORIETA-YESO | 97565 |
|--------------------------------|-------|

Additional Well Information

| | | | | |
|---------------------------|----------------------------|--|---------------------------|------------------------------------|
| 11. Work Type New Well | 12. Well Type OIL | 13. Cable/Rotary | 14. Lease Type Private | 15. Ground Level Elevation 3636 |
| 16. Multiple N | 17. Proposed Depth 6887 | 18. Formation Yeso | 19. Contractor | 20. Spud Date 12/15/2017 |
| 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 | 12.25 | 9.625 | 36 | 1250 | 460 | 0 |
| Prod | 8.5 | 7 | 29 | 2353 | 610 | 0 |
| Prod | 8.5 | 5.5 | 17 | 6887 | 610 | 0 |

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. 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. Signature: | OIL CONSERVATION DIVISION |
| Printed Name: Electronically filed by Stan Wagner | Approved By: Raymond Podany |
| Title: Regulatory Analyst | Title: Geologist |
| Email Address: Stan_Wagner@eogresources.com | Approved Date: 11/20/2017 Expiration Date: 11/20/2019 |
| Date: 11/16/2017 Phone: 432-686-3689 | Conditions of Approval Attached |

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

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: 11/16/2017

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: Justin Goad

Date of Survey: 9/20/2017

Certificate Number: 7977

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Form APD Comments

Permit 243226

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

PERMIT COMMENTS

| | |
|--|-----------------------------|
| Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702 | API Number: 30-015-44564 |
| | Well: VACA KEY #001H |

| Created By | Comment | Comment Date |
|------------|---|--------------|
| tinah | Pilot hole will be drilled with an 8 3/4" hole to approx. 7000'. Well will be plugged back with a 400'-500' kick off plug, then kicked off at approx. 1611' and directionally drilled at 9 degrees per 100' with a 8 1/2" hole to 6887' MD (2395' TVD) where 7" casing will be ran to 2353' MD (2280' TVD) with a crossover to 5-1/2" casing & ran to TD and cemented in place. | 11/16/2017 |
| tinah | Penetration point of producing zone will be encountered at 350' FSL and 919' FWL, 36-19S-24E. Our lower most perforation will not go past the 330' hardline. Deepest TVD is 7000' in the pilot hole. Deepest TVD in the lateral will be 2395'. | 11/16/2017 |
| tinah | H2S is anticipated on this well. | 11/16/2017 |
| tinah | C-102 and drilling plans will follow. | 11/16/2017 |

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Form APD Conditions

Permit 243226

PERMIT CONDITIONS OF APPROVAL

| | | |
|--|---|-----------------------------|
| Operator Name and Address: EOG RESOURCES INC [7377] P.O. Box 2267 Midland, TX 79702 | | API Number: 30-015-44564 |
| | | Well: VACA KEY #001H |
| OCD Reviewer | Condition | |
| RPodany | Will require a directional survey with the C-104 | |
| RPodany | Cement is required to circulate on both surface and intermediate1 strings of casing | |