

FORM
2

Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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| DE | ET | OE | ES |
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Document Number:

400199729

PluggingBond SuretyID

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER _____
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☐

3. Name of Operator: EOG RESOURCES INC

4. COGCC Operator Number: 27742

5. Address: 600 17TH ST STE 1100N

City: DENVER State: CO Zip: 80202

6. Contact Name: Jennifer Yu Phone: (303)824-5576 Fax: (303)824-5577

Email: jennifer_yu@eogresources.com

7. Well Name: Peterson Ridge Well Number: 01-20H

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 11025

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 20 Twp: 8N Rng: 80W Meridian: 6

Latitude: 40.644586 Longitude: -106.394469

Footage at Surface: 219 feet FNL/FSL 1820 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 8113 13. County: JACKSON

14. GPS Data:

Date of Measurement: 11/30/2010 PDOP Reading: 1.2 Instrument Operator's Name: Robert Kay

15. If well is ☐ Directional ☒ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 678 FSL 1692 FEL 600 FNL 600 FEL 600
Bottom Hole: FNL/FSL 600 FNL 600 FEL 600
Sec: 20 Twp: 8N Rng: 80W Sec: 20 Twp: 8N Rng: 80W

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 261 ft

18. Distance to nearest property line: 1525 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 3 mi

20. LEASE, SPACING AND POOLING INFORMATION

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Niobrara | NBRR | | 640 | All |

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: COC65607

22. Surface Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☒ Yes ☐ No Surface Surety ID#:

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☒ Yes ☐ No

23b. If 23 is No: ☐ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):

See attached lease description

25. Distance to Nearest Mineral Lease Line: 2463 ft

26. Total Acres in Lease: 600

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☐ Yes ☒ No

30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☒ No

31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

Method: ☐ Land Farming ☐ Land Spreading ☒ Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

| Casing Type | Size of Hole | Size of Casing | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR | 20 | 16 | 42 | 0 | 0 | 50 | 60 | 0 |
| SURF | 12+1/4 | 9+5/8 | 36 | 0 | 800 | 270 | 800 | 0 |
| 1ST | 8+3/4 | 7 | 23 | 0 | 6,896 | 730 | 6,896 | 0 |
| 1ST LINER | 6 | 4+1/2 | 11.6 | 6146 | 11,025 | 300 | 11,025 | 6,146 |

32. BOP Equipment Type: ☒ Annular Preventer ☒ Double Ram ☒ Rotating Head ☐ None

33. Comments A federal unit application has been filed.

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ No

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Jennifer Yu

Title: Regulatory Administrator Date: 8/26/2011 Email: jennifer_yu@eogresources.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David S. Nashin

Director of COGCC Date: 11/6/2011

API NUMBER

05 057 06515 00

Permit Number: _____ Expiration Date: 11/5/2013

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) THE SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 160 FEET DEEP.

(3) PROVIDE CEMENT COVERAGE FROM THE INTERMEDIATE CASING SHOE TO A MINIMUM OF 200' ABOVE SHALLOWEST-KNOWN PRODUCING HORIZON. VERIFY CEMENT WITH A CEMENT BOND LOG.

•IF THE PRODUCTION LINER IS CEMENTED, VERIFY CEMENT WITH A CEMENT BOND LOG.

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 1694372 | FED. DRILLING PERMIT |
| 1694373 | SURFACE PLAN |
| 400199729 | FORM 2 SUBMITTED |
| 400200048 | TOPO MAP |
| 400200049 | DEVIATED DRILLING PLAN |
| 400200050 | DRILLING PLAN |
| 400200273 | WELL LOCATION PLAT |
| 400200274 | LEGAL/LEASE DESCRIPTION |

Total Attach: 8 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| Permit | Final Review Completed. No LGD or public comment received. | 11/4/2011 9:43:47 AM |
| Permit | ON HOLD: w/o 2A. OK to pass. | 10/11/2011 10:36:53 AM |
| Permit | Received and attached federal permit. corrected property line to 1525' per operator. | 9/7/2011 3:52:15 PM |
| Permit | Requesting confirmation of property line and copy of federal permit. | 9/6/2011 10:29:16 AM |

Total: 4 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--------------------|-----------------------|
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Total: 0 comment(s)