

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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Document Number:

400083270

Plugging Bond Surety

20030058

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

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

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: Nanette Lupcho Phone: (435)781-9157 Fax: (435)789-7633
Email: nanette_lupcho@eogresources.com

7. Well Name: Garden Creek Well Number: 20-28H

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

9. Proposed Total Measured Depth: 12769

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 28 Twp: 11N Rng: 62W Meridian: 6

Latitude: 40.887507 Longitude: -104.318153

Footage at Surface: 501 FNL/FSL FSL 551 FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5154 13. County: WELD

14. GPS Data:

Date of Measurement: 05/11/2010 PDOP Reading: 2.3 Instrument Operator's Name: Robert L Kay

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

Footage at Top of Prod Zone: FNL/FSL 839 FSL 831 FEL 600 FNL 600 FEL FWL
Sec: 28 Twp: 11N Rng: 62W Sec: 28 Twp: 11N Rng: 62W

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: 4540 ft

18. Distance to nearest property line: 501 ft 19. Distance to nearest well permitted/completed in the same formation: 5000 ft

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	421-3	640	ALL

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

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):
Lease Description Attached _____

25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 10178

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

31. Mud disposal: ☐ Offsite ☒ Onsite

Method: ☐ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: BACK FILL AND COVER

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	20	16	42	60	50	60	0
SURF	13+1/2	9+5/8	36	1,160	605	1,160	0
1ST	8+3/4	7	23	7,311	775	7,311	0
1ST LINER	6	4+1/2	11.6	12,769	385	12,769	6,561

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

33. Comments lease description does not cover all the section

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: Nanette Lupcho

Title: Regulatory Assistant Date: 8/16/2010 Email: nanette_lupcho@eogresources.

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. Neslin Director of COGCC Date: 10/28/2010

API NUMBER

05 123 32446 00

Permit Number: _____ Expiration Date: 10/27/2012

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) Provide 24 hr notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

Attachment Check List

Att Doc Num	Name	Doc Description
2529437	LEGAL/LEASE DESCRIPTION	LF@2533874 2529437
400083270	FORM 2 SUBMITTED	LF@2524763 400083270
400083305	DRILLING PLAN	LF@2524764 400083305
400083307	PLAT	LF@2524765 400083307
400083308	TOPO MAP	LF@2524766 400083308
400084358	DEVIATED DRILLING PLAN	LF@2524767 400084358

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	order approved	10/28/2010 4:33:11 PM
Permit	waiting on October hearing for extension of cause 421-1 (640 acre spacing unit)	9/24/2010 2:43:33 PM
Permit	Lease does not cover the whole section.	9/1/2010 6:33:50 AM

Total: 3 comment(s)

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