

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



DE	ET	OE	ES
----	----	----	----

Document Number:

400030722

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: Amber Schaller Phone: (303)824-5582 Fax: (303)824-5583

Email: amber_schaller@eogresources.com

7. Well Name: Critter Creek Well Number: 5-10H

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

9. Proposed Total Measured Depth: 12861

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 10 Twp: 11N Rng: 63W Meridian: 6

Latitude: 40.931053 Longitude: -104.411856

Footage at Surface: 501 FNL/FSL FSL 642 FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5246.4 13. County: WELD

14. GPS Data:

Date of Measurement: 12/01/2009 PDOP Reading: 1.7 Instrument Operator's Name: Uintah Engineering & Land Surveying

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

Footage at Top of Prod Zone: FNL/FSL 855 FSL 976 FEL 600 FNL 600 FEL/FWL 600 FWL 600
Sec: 10 Twp: 11N Rng: 63W Sec: 10 Twp: 11N Rng: 63W

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: 226 ft

18. Distance to nearest property line: 501 ft 19. Distance to nearest well permitted/completed in the same formation: 10507 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	421-1	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):
See attached.

25. Distance to Nearest Mineral Lease Line: 600 ft 26. Total Acres in Lease: 639

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: Backfill 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		60		60	0
SURF	13+1/2	9+5/8	36 Lbs	1,350	705	1,350	0
1ST	8+3/4	7	23 Lbs	7,577	800	7,577	0
1ST LINER	6+1/4	4+1/2	11.6 Lbs	12,861	450	12,861	6,727

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

33. Comments _____

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: Amber Schaller

Title: Regulatory Assistant Date: 1/21/2010 Email: amber_schaller@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: 3/11/2010

API NUMBER 05 123 31275 00	Permit Number: _____ Expiration Date: <u>3/9/2012</u>
--------------------------------------	---

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.

COGCC ENG COA – SME 1) Provide 24 hr notice of MIRU to Bo Brown at 970-392-4124 or e-mail at bo.brown@state.co.us. 2) Set surface casing per Rule 317d, setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If production casing is set, cement coverage shall be at a minimum from the production casing shoe to 200' above Niobrara. Verify all placed cement with 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
1760496	LEGAL/LEASE DESCRIPTION	LF@2431457 1760496
2098978	SURFACE CASING CHECK	LF@2241731 2098978
2589071	SURFACE AGRMT/SURETY	LF@2422262 2589071
400030756	PLAT	LF@2220995 400030756
400030760	TOPO MAP	LF@2220996 400030760
400030761	DEVIATED DRILLING PLAN	LF@2220997 400030761
400030762	DRILLING PLAN	LF@2220998 400030762
400030937	SURFACE AGRMT/SURETY	LF@2220999 400030937
400030940	OIL & GAS LEASE	LF@2221000 400030940
400030944	FORM 2 SUBMITTED	LF@2221001 400030944

Total Attach: 10 Files