

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400323197

Date Received:

09/04/2012

PluggingBond SuretyID

20040060

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: BARRETT CORPORATION* BILL

4. COGCC Operator Number: 10071

5. Address: 1099 18TH ST STE 2300

City: DENVER State: CO Zip: 80202

6. Contact Name: BRADY RILEY Phone: (303)312-8115 Fax: (303)291-0420

Email: BRILEY@BILLBARRETTCORP.COM

7. Well Name: Cass Farms Well Number: 11-27H

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

9. Proposed Total Measured Depth: 11048

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 27 Twp: 8N Rng: 62W Meridian: 6

Latitude: 40.638760 Longitude: -104.314900

Footage at Surface: 320 feet FNL 310 feet FWL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 4883 13. County: WELD

14. GPS Data:

Date of Measurement: 08/17/2010 PDOP Reading: 1.5 Instrument Operator's Name: brian brinkman

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

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
620 FNL 620 FWL 600 FSL 600 FWL
Sec: 27 Twp: 8n Rng: 62w Sec: 27 Twp: 8N 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: 300 ft

18. Distance to nearest property line: 310 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 3800 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			

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):

N 1/2, Section 27 is fee, S 1/2 section 27 is Fed

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 640

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
SURF	13+1/2	9+5/8	36	0	680	770	680	0
1ST	8+3/4	7	26	0	7,052	530	7,052	1,300
2ND	6+1/8	4+1/2	11.6	0	11,048			

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

33. Comments No cement will be used in the prod casing, instead 14-22 Swell packers with sleeves will be run to isolate the production hole from the intermediate casing section. Please note that the SUA is in the Lease. No conductor casing will be used. This is a refile for an APD that expires 10/28/12. No changes to refile from original APD/sundries previously approved.

34. Location ID: 420120

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: BRADY RILEY

Title: PERMIT ANALYST Date: 9/4/2012 Email: BRILEY@BILLBARRETTCORP

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 10/14/2012

API NUMBER

05 123 32454 00

Permit Number: _____ Expiration Date: 10/13/2014

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 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage from base of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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
2172033	SURFACE CASING CHECK
400323197	FORM 2 SUBMITTED

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Updated distance to nearest wellbore per operator. Final Review Completed. No LGD or public comment received.	10/11/2012 3:27:48 PM
Permit	Requested updated distance to nearest wellbore.	9/26/2012 8:03:19 AM
Permit	Per operator corrected lease description, surface and minerals information, a sundry was filed to abandon the pilot hole, this form has been changed to the 00 designation since no pilot will be drilled, removed spacing order.	9/11/2012 3:50:00 PM
Permit	Sent email to operator. Input zone type, was a pilot drilled?, what is the lease description?, will a 2A be filed?.	9/11/2012 7:16:01 AM
Permit	New BHL in S1/2, which is Federal minerals.	9/5/2012 2:12:02 PM

Total: 5 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)