

FORM
2

Rev
12/05

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400394532

Date Received:

03/25/2013

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: Mary Pobuda Phone: (303)312-8511 Fax: (303)291-0420

Email: mpobuda@billbarrettcorp.com

7. Well Name: Pappenheim Well Number: 6-62-27-8H

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

9. Proposed Total Measured Depth: 10956

WELL LOCATION INFORMATION

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

Latitude: 40.461920 Longitude: -104.317430

Footage at Surface: 1302 feet FNL 205 feet FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4750 13. County: WELD

14. GPS Data:

Date of Measurement: 02/11/2013 PDOP Reading: 1.8 Instrument Operator's Name: Wyatt Hall

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 _____
650 FNL 620 FWL 650 FNL 620 FEL
Sec: 27 Twp: 6N Rng: 62W Sec: 27 Twp: 6N 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: 2400 ft

18. Distance to nearest property line: 205 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 740 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	535-4	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):

Please see attached lease map. Lease covers E/2 Section 27 6N 62W and others lands.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 3720

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	65	0	60	50	60	0
SURF	13+1/2	9+5/8	36	0	800	430	800	0
1ST	8+3/4	7	26	0	6,800	570	6,800	0
1ST LINER	6+1/8	4+1/2	11.6	6000	10,956			

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

33. Comments This well is an exception location, a waiver for rule 318Aa and 318Ac is attached. This well is replacing the approved Form 2/2A for Dutch Lake 19-27H (API#05-123-33587) that is permitted within the section. A sundry is being submitted to withdraw the approved permit in order to comply with spacing order 535-4 which allows one Niobrara horizontal well in the 640.

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: Mary Pobuda

Title: Permit Analyst Date: 3/25/2013 Email: mpobuda@billbarrettcorp.com

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: 4/26/2013

API NUMBER **05 123 37220 00** Permit Number: _____ Expiration Date: 4/25/2015

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 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

Attachment Check List

Att Doc Num	Name
400394532	FORM 2 SUBMITTED
400394616	DIRECTIONAL DATA
400394619	DEVIATED DRILLING PLAN
400394622	LEASE MAP
400394626	SURFACE AGRMT/SURETY
400394628	EXCEPTION LOC WAIVERS
400394643	EXCEPTION LOC REQUEST
400395163	WELL LOCATION PLAT
400395443	OFFSET WELL EVALUATION
400395827	SURFACE AGRMT/SURETY

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. No LGD or public comments. Sundry Notice to AL the BBC Dutch Lake 19-27H, API# 123-33587, approved.	4/23/2013 11:58:17 AM
Engineer	No existing wells within 500' of proposed directional.	4/12/2013 9:45:45 AM
Permit	This form can not proceed without the withdrawal of the BBC Dutch Lake 19-27H or a COA that would preclude the drilling of this pending APD until such withdrawal has occurred. Horizontal wellbore crosses lease line and will produce multiple leases; distance to lease line is 0' ; distance to unit boundary is 620'. Added details to lease description.	4/3/2013 9:21:02 AM
Permit	Operator attached map of SUA. This form has passed completeness.	3/26/2013 10:09:59 AM
Permit	Returned to draft. Requested map for SUA.	3/26/2013 7:05:03 AM

Total: 5 comment(s)

BMP

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