

FORM
2

Rev
12/05

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400442156

Date Received:

07/02/2013

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: Venessa Langmacher Phone: (303)312-8172 Fax: (303)291-0420
Email: vlangmacher@billbarrettcorp.com

7. Well Name: Helton Well Number: 5-63-27-3340CDH

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

9. Proposed Total Measured Depth: 11035

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 27 Twp: 5N Rng: 63W Meridian: 6

Latitude: 40.369970 Longitude: -104.427080

Footage at Surface: 2448 feet FSL 1122 feet FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4542 13. County: WELD

14. GPS Data:

Date of Measurement: 05/03/2013 PDOP Reading: 2.1 Instrument Operator's Name: Brian Rottinghaus

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
2400 FSL 650 FWL 2400 FSL 500 FEL
Sec: 27 Twp: 5N Rng: 63W Sec: 27 Twp: 5N 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: 230 ft

18. Distance to nearest property line: 391 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1200 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.)
CODELL	CODL			

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 lease map attached

25. Distance to Nearest Mineral Lease Line: 216 ft 26. Total Acres in Lease: 800

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	7015	590	7015	600
1ST LINER	6+1/8	4+1/2	11.6	6200	11035			

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

33. Comments This well is an exception location to Rules 318Aa and 318Ac. The proposed spacing unit is 320 Acres comprised of the S/2N/2 and N/2S/2.

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: Venessa Langmacher

Title: Sr Permit Analyst Date: 7/2/2013 Email: vlangmacher@billbarrettcorp.co

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: 9/11/2013

API NUMBER: **05 123 37959 00** Permit Number: _____ Expiration Date: 9/10/2015

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.

COA Type	Description
	1) Provide 48 hour notice prior to spud via electronic Form 42. 2) Provide cement coverage 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
400442156	FORM 2 SUBMITTED
400442201	DIRECTIONAL DATA
400442202	PLAT
400442205	DEVIATED DRILLING PLAN
400442208	LEASE MAP
400442211	OFFSET WELL EVALUATION
400442215	EXCEPTION LOC WAIVERS
400442217	EXCEPTION LOC REQUEST
400442218	PROPOSED SPACING UNIT
400442222	PROPOSED SPACING UNIT
400443139	SURFACE AGRMT/SURETY

Total Attach: 11 Files

General Comments

User Group	Comment	Comment Date
Permit	Final review completed. No LGD or public comments.	9/10/2013 5:16:07 AM
Permit	Operator requested change in the distance to the nearest mineral lease line.	7/23/2013 12:34:28 PM
Permit	Requested review of the distance to the nearest mineral lease line. Says 500' but looks to be less to the north of the wellbore.	7/23/2013 6:15:11 AM
Engineer	Evaluated any existing wells within 1500' of proposed directional.	7/19/2013 12:45:38 PM
Permit	Passed completeness	7/3/2013 2:10:53 PM
Permit	Returned to draft: SUA not signed by Bill Barrett.	7/3/2013 10:18:27 AM

Total: 6 comment(s)

Best Management Practices

No	BMP/COA Type	Description