

FORM
2

Rev
12/05

State of Colorado Oil and Gas Conservation Commission

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400433157

Date Received:

06/18/2013

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: Kunsemiller Well Number: 5-61-21-0108BH

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

9. Proposed Total Measured Depth: 10717

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 21 Twp: 5N Rng: 61W Meridian: 6

Latitude: 40.390352 Longitude: -104.222580

Footage at Surface: 1271 feet FNL 301 feet FWL

11. Field Name: North Riverside Field Number: 60130

12. Ground Elevation: 4642 13. County: WELD

14. GPS Data:

Date of Measurement: 05/22/2013 PDOP Reading: 6.0 Instrument Operator's Name: Jim Kalmon

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
500 FNL 650 FWL 500 FNL 500 FEL
Sec: 21 Twp: 5N Rng: 61W Sec: 21 Twp: 5N Rng: 61W

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: 283 ft

18. Distance to nearest property line: 301 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 180 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	535-361	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.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 160

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	6515	550	6515	600
1ST LINER	6+1/8	4+1/2	11.6	5700	10717			

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

33. Comments Section 21 T5N-61W was on the June docket for additional NBRR wells and the application was approved on 6/17/13 (docket #1305-AW-19). "The horizontal portion of the wellbore will cross through more than one lease therefore the distance to the nearest lease line is zero"

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: 6/18/2013 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: 10/4/2013

API NUMBER: **05 123 38211 00** Permit Number: _____ Expiration Date: 10/3/2015

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.

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.

Provide mitigation per DJ Basin Horizontal Offset policy for: WELD COUNTY-DAVIS RANCH #1, API# 123-11543

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
1792846	EXCEPTION LOC REQUEST
1792847	EXCEPTION LOC WAIVERS
1792850	EXCEPTION LOC REQUEST
1792851	EXCEPTION LOC WAIVERS
400433157	FORM 2 SUBMITTED
400433311	DIRECTIONAL DATA
400433312	WELL LOCATION PLAT
400433313	DEVIATED DRILLING PLAN
400433314	LEASE MAP
400435197	OFFSET WELL EVALUATION

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Entered Spacing Order 535-361. Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Request and waivers attached. Final review completed. No LGD or public comments.	10/2/2013 6:12:44 AM
Permit	Received & attached Exception Location Request letter and signed waiver from Bonanza Creek for encroachment on 250' setback in Order 535-361.	10/2/2013 6:12:05 AM
Permit	Spacing order 535-361 "no closer than 250 feet from the treated interval of any other wellbore located in the unit, without exception being granted by the Director. Bonanza Creek has a well 178' from this wellbore. There is a part 2 to the order with that well being maintained and excluded from the proposed 640 -acre drilling and spacing unit. Requested review by BBC.	7/23/2013 2:56:24 PM
Engineer	COGCC received email from operator committing to provide mitigation per DJ Basin Horizontal Offset policy. Removed Hold. "" from: Venessa Langmacher to: "Sutphin - DNR, Dirk" date: Mon, Jul 8, 2013 at 10:36 AM BBC will ensure proper mitigation per the DJ Basin Horizontal Offset Policy will be provided prior to the stimulation of the proposed well. Thanks, Venessa Langmacher Senior Permit Analyst BILL BARRETT CORPORATION 1099 18th Street Suite 2300 Denver, CO 80202 D 303.312.8172 F 303.291.0420 vlangmacher@billbarrettcorp.com www.billbarrettcorp.com	7/8/2013 10:52:02 AM
Engineer	On Hold - Wells within 500' of the proposed directional plan lack adequate formation isolation: WELD COUNTY-DAVIS RANCH #1, API# 123-11543 (lacks aquifer and Niobrara isolation). Emailed operator rep (vlangmacher@billbarrettcorp.com).	7/3/2013 4:19:40 PM
Permit	Verbiage for the docket unavailable at this time.	7/1/2013 12:36:24 PM
Permit	Exception Location Request and Waiver will be provided as soon as available. This form has passed completeness.	6/19/2013 10:49:25 AM

Total: 7 comment(s)

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>