

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: MILLER Well Number: 44B-36-692
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 7253

WELL LOCATION INFORMATION

10. QtrQtr: LOT 4 Sec: 6 Twp: 7S Rng: 91W Meridian: 6
Latitude: 39.475307 Longitude: -107.604569
Footage at Surface: 548 feet FNL 371 feet FWL
11. Field Name: MAMM CREEK Field Number: 52500
12. Ground Elevation: 6092 13. County: GARFIELD

14. GPS Data:
Date of Measurement: 07/08/2010 PDOP Reading: 6.0 Instrument Operator's Name: JAMES 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
570 FSL 659 FEL 570 FSL 659 FEL
Sec: 36 Twp: 6S Rng: 92W Sec: 36 Twp: 6S Rng: 92W

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: 264 ft
18. Distance to nearest property line: 1137 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 314 ft

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.)
ILES	ILES	191-10	40	SESE
WILLIAMS FORK	WMFK	191-8	40	SESE

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 LEASE MAP

25. Distance to Nearest Mineral Lease Line: 570 ft 26. Total Acres in Lease: 857

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: EVAP & BURY

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
1ST	7+7/8	4+1/3	11.6	0	7257	810	7257	2675
CONDUCTOR	24	14+0/0	36	0	40		40	0
SURF	12+1/4	9+5/8	36	0	691	230	691	0

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

33. Comments Miller pad #9. Conductor set with grout. 8 3/4" hole drilled to approximately 5000 feet, then 7 7/8" hole to TD. Please see attached exception setback acknowledgment letter from Encana. This is a refile for an APD that expires 8/19/13. Nothing else has been changed since last reviewed/approved.

34. Location ID: 424213

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: 7/9/2013 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: 8/7/2013

API NUMBER 05 045 20977 00	Permit Number: _____	Expiration Date: <u>8/6/2015</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.

COA Type	Description
	<p>(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.</p> <p>(2) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE GARFIELD COUNTY RULISON-FIELD NOTICE TO OPERATORS IS REQUIRED.</p> <p>(3) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE MAMM CREEK FIELD NOTICE TO OPERATORS IS REQUIRED.</p> <p>(4) COMPLIANCE WITH THE NOTICE TO OPERATORS DRILLING WELLS IN THE BUZZARD, MAMM CREEK, AND RULISON FIELDS, GARFIELD COUNTY AND MESA COUNTY IS REQUIRED. (PROCEDURES AND SUBMITTAL REQUIREMENTS FOR COMPLIANCE WITH COGCC ORDERS NOS. 1-107, 139-56, 191-22, AND 369-2 (JULY 8, 2010)). SEE ATTACHED NOTICE.</p>

Applicable Policies and Notices to Operators

Mamm Creek Field Area Notice to Operators.
Piceance Rulison Field - Notice to Operators.
NW Colorado Notification Policy.
Bradenhead Pressure Reporting-Garfield County (Mamm Creek & Rulison Fields) Mesa County (Buzzard Field).
Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
400440076	FORM 2 SUBMITTED
400440080	DEVIATED DRILLING PLAN
400440081	MULTI-WELL PLAN
400440082	SURFACE AGRMT/SURETY
400440083	EXCEPTION LOC WAIVERS
400440084	WELL LOCATION PLAT
400445355	LEASE MAP

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
LGD	pass, gdb	7/30/2013 4:41:50 PM
Engineer	THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 600 FEET DEEP.	7/22/2013 12:28:18 PM
Permit	Passes Permitting.	7/22/2013 9:09:55 AM
Permit	Operator attached new lease map. This form has passed completeness.	7/10/2013 8:29:18 AM
Permit	Returned to draft. Attached lease map does not seem to cover BHL.	7/10/2013 6:56:14 AM

Total: 5 comment(s)

Best Management Practices

No BMP/COA Type

Description

|--|--|--|