| FORM 2 Rev 12/05 | **State of Colorado** **Oil and Gas Conservation Commission** 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109 | STATE OF COLORADO OIL & GAS | DE | ET | OE | ES |

Document Number:

400149495

APPLICATION FOR PERMIT TO:

1. ☒ **Drill,**   ☐ Deepen,   ☐ Re-enter,   ☐ Recomplete and Operate

Refiling ☐

Sidetrack ☐

PluggingBond SuretyID

20040060

2. TYPE OF WELL

OIL ☐   GAS ☒   COALBED ☐   OTHER _____

SINGLE ZONE ☐   MULTIPLE ☒   COMMINGLE ☒

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: Miller   Well Number: 44C-36-692

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

9. Proposed Total Measured Depth: 7349

WELL LOCATION INFORMATION

10. QtrQtr: lot 4   Sec: 6   Twp: 7S   Rng: 91W   Meridian: 6

Latitude: 39.475329   Longitude: -107.604566

Footage at Surface: 540 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 A. Kalmon

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

Footage at Top of Prod Zone: FNL/FSL 885 FSL   FEL/FWL 659 FEL   Bottom Hole: FNL/FSL 885 FSL   FEL/FWL 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

18. Distance to nearest property line: 1136 ft 19. Distance to nearest well permitted/completed in the same formation: 314 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.)
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: _____ 885 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
CONDUCTOR	24	14	36	0	40		40	0
SURF	12+1/4	9+5/8	36	0	696	230	696	0
1ST	7+7/8	4+1/2	11.6	0	7,386	820	7,386	2,720

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 5000 feet, then 7 7/8" hole to TD. Please see attached exception setback acknowledgment letter from Encana.

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: Mary Pobuda

Title: Permit Analyst   Date: 7/7/2011   Email: mpobuda@billbarrettcorp.com

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: _David S. Neslin_   **Director of COGCC**   Date: 8/20/2011

API NUMBER
05 045 20978 00

Permit Number: _____   Expiration Date: 8/19/2013

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)COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

2)GARFIELD COUNTY RULISON FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

3)NEW MAMM CREEK FIELD NOTICE TO OPERATORS APPLIES TO THIS WELL. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE

4)COMPLIANCE WITH THE NOTICE TO OPERATORS DRILLING WELLS IN THE BUZZARD, MAMM CREEK, AND RULISON FIELDS, GARFIELD COUNTY AND MESA COUNTY – PROCEDURES AND SUBMITTAL REQUIREMENTS FOR COMPLIANCE WITH COGCC ORDER NOS. 1-107, 139-56, 191-22, AND 369-2 (JULY 8, 2010) -- IS REQUIRED. SEE ATTACHED NOTICE.

5)THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1 MILE IS 600 FEET DEEP.

Attachment Check List

Att Doc Num	Name
400149495	FORM 2 SUBMITTED
400151861	SURFACE AGRMT/SURETY
400165859	DEVIATED DRILLING PLAN
400165861	WELL LOCATION PLAT
400182638	MULTI-WELL PLAN
400182639	LEASE MAP
400182640	EXCEPTION LOC WAIVERS

Total Attach: 7 Files

General Comments

User Group	Comment	Comment Date
Permit	Attached correct lease map	8/19/2011 5:06:25 PM
Permit	Spoke to Mary Pobuda about issues and changed signature on lease to no	8/8/2011 11:40:41 AM
Permit	Removed lease number and added location id Lease map does not cover bhl	8/5/2011 4:38:04 PM
Permit	Sent back to draft due to server malfunction	4/4/2011 1:41:33 PM

Total: 4 comment(s)

BMP

Type	Comment

Total: 0 comment(s)