

FORM  
2

Rev  
08/13

# State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400475916

### APPLICATION FOR PERMIT TO:

Drill       Deepen       Re-enter       Recomplete and Operate

Date Received:

09/04/2013

TYPE OF WELL    OIL     GAS     COALBED     OTHER \_\_\_\_\_

Refilling

ZONE TYPE    SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES

Sidetrack

Well Name: FEDERAL

Well Number: 21D-26-692

Name of Operator: BARRETT CORPORATION\* BILL

COGCC Operator Number: 10071

Address: 1099 18TH ST STE 2300

City: DENVER      State: CO      Zip: 80202

Contact Name: Brady      Riley      Phone: (303)3128115      Fax: (303)291-0420

Email: briley@billbarrettcorp.com

### RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20040060

### WELL LOCATION INFORMATION

QtrQtr: NENW      Sec: 26      Twp: 6S      Rng: 92W      Meridian: 6

Latitude: 39.502284      Longitude: -107.637729

Footage at Surface: 1135 feet      FNL/FSL FNL 1642 feet      FEL/FWL FWL

Field Name: MAMM CREEK      Field Number: 52500

Ground Elevation: 6021      County: GARFIELD

GPS Data:

Date of Measurement: 04/04/2011    PDOP Reading: 6.0    Instrument Operator's Name: JAMES KALMON

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

Footage at Top of Prod Zone: FNL/FSL FNL 1996 FWL      Bottom Hole: FNL/FSL FNL 1996 FWL

Sec: 26    Twp: 6S    Rng: 92W      Sec: 26    Twp: 6S    Rng: 92W

### LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership:  Fee       State       Federal       Indian

The Surface Owner is:  is the mineral owner beneath the location.

(check all that apply)  is committed to an Oil and Gas Lease.

has signed the Oil and Gas Lease.

is the applicant.

The Mineral Owner beneath this Oil and Gas Location is:  Fee       State       Federal       Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: Yes

The right to construct the Oil and Gas Location is granted by: oil and gas lease

Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_

**LEASE INFORMATION**

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

SEE LEASE MAP ATTACHED

Total Acres in Described Lease: 800 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # COC15976

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 165 Feet

**CULTURAL DISTANCE INFORMATION**

Distance to nearest:

Building: 634 Feet

Building Unit: 917 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 330 Feet

Above Ground Utility: 370 Feet

Railroad: 5280 Feet

Property Line: 177 Feet

**INSTRUCTIONS:**

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).

- Enter 5280 for distance greater than 1 mile.

- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.

- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

**DESIGNATED SETBACK LOCATION INFORMATION**

Check all that apply. This location is within a:  Buffer Zone  
 Exception Zone  
 Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit

- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.

- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

**SPACING and UNIT INFORMATION**

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 325 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary \_\_\_\_\_ Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

**SPACING & FORMATIONS COMMENTS**

\_\_\_\_\_

**OBJECTIVE FORMATIONS**

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	640	ALL
WILLIAMS FORK	WMFK	191-8	640	ALL

**DRILLING PROGRAM**

Proposed Total Measured Depth: 7828 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 325 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)

Will salt sections be encountered during drilling?     No      
 Will salt based (>15,000 ppm Cl) drilling fluids be used?     No      
 Will oil based drilling fluids be used?     No      
 BOP Equipment Type:  Annular Preventor     Double Ram     Rotating Head     None

**GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING**

Water well sampling required per Rule     609    

**DRILLING WASTE MANAGEMENT PROGRAM**

Drilling Fluids Disposal:     ONSITE          Drilling Fluids Disposal Methods:     Evaporation      
 Cuttings Disposal:     ONSITE          Cuttings Disposal Method:     Cuttings trench      
 Other Disposal Description:

Beneficial reuse or land application plan submitted?                       
 Reuse Facility ID:                      or Document Number:                     

**CASING PROGRAM**

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	0	40	0
SURF	12+1/4	9+5/8	36	0	800	250	800	0
1ST	7+7/8	4+1/2	11.6	0	7828	810	7828	3235

Conductor Casing is NOT planned

**DESIGNATED SETBACK LOCATION EXCEPTIONS**

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

**GREATER WATTENBERG AREA LOCATION EXCEPTIONS**

Check all that apply:

- Rule 318A.a. Exception Location (GWA Windows).
- Rule 318A.c. Exception Location (GWA Twinning).

**RULE 502.b VARIANCE REQUEST**

Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number                     

**OTHER LOCATION EXCEPTIONS**

Check all that apply:

- Rule 318.c. Exception Location from Rule or Spacing Order Number
- Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

**OPERATOR COMMENTS AND SUBMITTAL**

Comments This is a refile for a location on federal surface with federal minerals. There are no changes from the original, approved permit and the Form 2A does not expire until 10/11/2014. As allowed under Rule 604b.(2), BBC has an undergone the NEPA process necessary to obtain federal approval (Decision Record issued 11/9/11 – DOI-BLM-CO-N040-2012-009EA, Approved BLM APD issued 11/28/12) and the BLM has issued an extensive list of conditions of approval/mitigation measures. Surface is Federal, the right to construct is granted per federal lease No. COC15976. Operator will give Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners when Operator receives COGCC notification that the APD has passed Completeness and is in In Process status.

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: 425806

Is this application being submitted with an Oil and Gas Location Assessment application? 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: 9/4/2013 Email: briley@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: \_\_\_\_\_ Director of COGCC \_\_\_\_\_ Date: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

**API NUMBER**

05 045 21082 00

**Conditions Of Approval**

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**

COA Type	Description

**Best Management Practices**

**No BMP/COA Type** **Description**

No BMP/COA Type	Description

Data retrieval failed for the subreport 'ImpPolicy\_MTC' located at: W:\ncstrpub\Nat\Reports\policy\_mtc.rdl. Please check th

**Attachment Check List**

**Att Doc Num** **Name**

400475916	FORM 2 SUBMITTED
400475917	WELL LOCATION PLAT
400475918	OIL & GAS LEASE
400475919	MINERAL LEASE MAP
400475920	DEVIATED DRILLING PLAN
400479659	DIRECTIONAL DATA

Total Attach: 6 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Returned to draft: Missing Pre-Application Notice to Building Unit Owners in Buffer Zone date letter sent. Missing Cuttings Disposal & Cuttings Disposal Method or comment. Missing will oil based mud be used.	10/10/2013 3:31:15 PM
Permit	Return to Draft: Needs basis for 604.a. exception attached.	9/12/2013 9:25:33 AM
Permit	Returned to draft: Remove Plugging bond. Cultural Distance Information: needs correct distance for each item instead of 0. Designated setback: needs Buffer Zone selected. and date letter sent to Building Unit Owner. Groundwater Baseline sample: needs Rule 609 selected. Needs Operator's comments for a refile: This is a refile. Nothing has changed from original, approved permit. Form 2A does not expire until 10/11/2014.	9/4/2013 12:54:00 PM

Total: 3 comment(s)