

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 165 FNL 1996 FWL 165 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 ☐ IndianThe 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 H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S 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**

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Best Management Practices

No BMP/COA Type **Description**

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Data retrieval failed for the subreport 'ImpPolicy_MTO' located at: W:\testpub\Nat\Report\policy_mto.rdlx. 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)