

APPLICATION FOR PERMIT TO:

Drill

 Deepen

 Re-enter

 Recomplete and Operate

Date Received:
11/06/2013

TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____	Refilling <input type="checkbox"/>
ZONE TYPE SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONES <input type="checkbox"/> COMMINGLE ZONES <input type="checkbox"/>	Sidetrack <input type="checkbox"/>

Well Name: <u>State of CO</u>	Well Number: <u>1S-66-36-4841BH</u>
Name of Operator: <u>BARRETT CORPORATION* BILL</u>	COGCC Operator Number: <u>10071</u>
Address: <u>1099 18TH ST STE 2300</u>	
City: <u>DENVER</u>	State: <u>CO</u> Zip: <u>80202</u>
Contact Name: <u>Venessa Langmacher</u>	Phone: <u>(303)312-8172</u> Fax: <u>(303)291-0420</u>
Email: <u>vlangmacher@billbarrettcorp.com</u>	

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20040060

WELL LOCATION INFORMATION

QtrQtr: SWSW Sec: 36 Twp: 1S Rng: 66W Meridian: 6

Latitude: 39.917164 Longitude: -104.732458

Footage at Surface: <u>1026</u> feet	<small>FNL/FSL</small> <u>FSL</u> <u>295</u> feet	<small>FEL/FWL</small> <u>FWL</u>
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Field Name: THIRD CREEK Field Number: 81800

Ground Elevation: 5227 County: ADAMS

GPS Data:

Date of Measurement: 09/18/2013 PDOP Reading: 6.0 Instrument Operator's Name: Jim Kalmon

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

Footage at Top of Prod Zone:	<small>FNL/FSL</small> <u>1852</u> <small>FSL</small> <u>500</u> <small>FWL</small>	Bottom Hole:	<small>FNL/FSL</small> <u>1852</u> <small>FSL</small> <u>500</u> <small>FEL</small>
Sec: <u>36</u> Twp: <u>1S</u> Rng: <u>66W</u>		Sec: <u>36</u> Twp: <u>1S</u> Rng: <u>66W</u>	

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.)

T1S-R66W Section 36: All

Total Acres in Described Lease: 640 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # 68-5600S

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 500 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1045 Feet

Building Unit: 1190 Feet

High Occupancy Building Unit: 4210 Feet

Designated Outside Activity Area: 5022 Feet

Public Road: 272 Feet

Above Ground Utility: 254 Feet

Railroad: 5280 Feet

Property Line: 295 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: 40 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 500 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.)
NIOBRARA	NBRR	407-800	640	All

DRILLING PROGRAM

Proposed Total Measured Depth: 12240 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 40 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 318A

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Land application

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Other

Other Disposal Description:

Mud and Cuttings will be hauled to Krier Spreadfield (430225).

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: 430225 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	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	8000	670	8000	600
1ST LINER	6+1/8	4+1/2	11.6	7200	12240			

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 location is an exception to Rule 318Am. Please see waiver attached.

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: _____

Is this application being submitted with an Oil and Gas Location Assessment application? _____ Yes _____

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: 11/6/2013 _____ Email: vlangmacher@billbarrettcorp. _____

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

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**

<u>COA Type</u>	<u>Description</u>

Best Management Practices**No BMP/COA Type****Description**

<u>No BMP/COA Type</u>	<u>Description</u>
1 Drilling/Completion Operations	Anti-collision Mitigation: Prior to drilling operations, Operator will perform a risk analysis of the potential for subsurface collision with existing offset wells within close proximity of the proposed well, taking into consideration the possibility of well path drift for both the existing and proposed wells. Where inclination, MWD or gyro surveys of the offset wells are available, or can be reasonably obtained by the operator, such surveys shall be incorporated in the risk analysis, taking into account survey instrument margin of error. Commission engineering staff shall review and approve the collision risk analysis prior to issuing an approved permit to drill, subject to the operator's right to appeal to the Director or the Commission. For the proposed well, upon conclusion of drilling operations, an as-constructed final directional survey will be submitted to the COGCC with the Form 5.

Total: 1 comment(s)

Attachment Check List

Att Doc Num	Name
400508319	FORM 2 SUBMITTED
400508416	OffsetWellEvaluations Data
400508427	DIRECTIONAL DATA
400508429	EXCEPTION LOC WAIVERS
400508431	EXCEPTION LOC REQUEST
400508432	EXCEPTION LOC WAIVERS
400508437	MINERAL LEASE MAP
400508440	DEVIATED DRILLING PLAN
400508443	WELL LOCATION PLAT

Total Attach: 9 Files

General Comments

User Group	Comment	Comment Date
Permit	Returned to draft: 1) List BMP for anti-collision mitigation.	11/7/2013 8:41:36 AM

Total: 1 comment(s)