

APPLICATION FOR PERMIT TO:

Drill

 Deepen

 Re-enter

 Recomplete and Operate

Date Received:

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

Well Name: Grimm Motocross 4-65 23-24 Well Number: 1H
 Name of Operator: BURLINGTON RESOURCES OIL & GAS LP COGCC Operator Number: 26580
 Address: PO BOX 4289
 City: FARMINGTON State: NM Zip: 87499
 Contact Name: Justin Carlile Phone: (281)206-5770 Fax: (281)647-1935
 Email: justin.carlile@conocophillips.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 19920030

WELL LOCATION INFORMATION

QtrQtr: SESE Sec: 22 Twp: 4S Rng: 65W Meridian: 6
 Latitude: 39.684606 Longitude: -104.642128

Footage at Surface:	<u>960</u>	feet	FNL/FSL	<u>FSL</u>	<u>350</u>	feet	FEL/FWL	<u>FEL</u>
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Field Name: WILDCAT Field Number: 99999
 Ground Elevation: 5758 County: ARAPAHOE

GPS Data:

Date of Measurement: 08/19/2013 PDOP Reading: 0.9 Instrument Operator's Name: Loren Shanks

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
<u>960</u>	<u>FSL</u>	<u>460</u>	<u>960</u>	<u>FSL</u>	<u>460</u>
<u>Sec: 23</u>	<u>Twp: 4S</u>	<u>Rng: 65W</u>	<u>Sec: 24</u>	<u>Twp: 4S</u>	<u>Rng: 65W</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: No

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.)

SESE, Section 23 and 24, Township 4 South, Range 65 West: ALL

Total Acres in Described Lease: 1280 Described Mineral Lease is: Fee State Federal Indian

Federal or State Lease # _____

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 460 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1084 Feet

Building Unit: 1484 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 940 Feet

Above Ground Utility: 931 Feet

Railroad: 5280 Feet

Property Line: 350 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: 1770 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 460 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	535-423	1280	S. 23 & 24: ALL

DRILLING PROGRAM

Proposed Total Measured Depth: 17776 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1770 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? Yes
 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: OFFSITE Drilling Fluids Disposal Methods: Recycle/reuse

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Drilling cuttings will be taken by a certified transport company and disposed of at a certified disposal facility.

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+0/0	16+0/0	39.7	0	100	50	100	0
SURF	13+1/4	9+5/8	36	0	2258	640	2258	0
1ST	8+3/4	7+0/0	32	0	8158	540	8158	2162
1ST LINER	6+0/0	4+1/2	13.5	7153	17776			

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

- i. Unable to achieve build rates to land horizontal in zone. Motor was yielding ~12°/100'. When drilling past 7391' the motor yield dropped for the next 350'. The build rates required to land at the planned TVD was too high for the motor in the hole >16°/100'. Will place a mechanical whipstock and cement it with 200' of cement above it. Bottom of whipstock tubing will be 7929'.
- ii. 7957' MD / 7880' TVD
- iii. 9 5/8" @ 2258'
- iv. No fish in hole unless you count the whipstock (top 7232' bottom of tubing below is 7929')
- v. Plug will fill hole to 7032' MD, 250 sacks. Bottom at 7959' (the cement will fall down the hole)
- vi. Plugcem 15.8 ppg yield is 1.52 ft³/sk
- vii. 7232' MD/ 7225' TVD
- viii. Niobrara
- ix. The BHL target position for the requested sidetrack is to remain the same as per the original plans; 960 FSL and 460 FEL.
- x. Verbal approval for the unplanned sidetrack was granted by Diana Burn, COGCC State Engineer, on 5-3-2014 at 3:56 pm CST. (2:56 pm MST)

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

Location ID: _____

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: Justin Carlile _____

Title: Regulatory Specialist _____ Date: _____ Email: justin.carlile@conocophillips.co _____

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

05 005 07217 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

Attachment Check List

Att Doc Num

Name

400602031	CORRESPONDENCE
400602032	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

User Group	Comment	Comment Date

Total: 0 comment(s)