

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

Date Received: 10/19/2016

TYPE OF WELL OIL GAS COALBED OTHER _____

ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Refilling
Sidetrack

Well Name: Tiberius 4-64 8-7 Well Number: 4CH

Name of Operator: BURLINGTON RESOURCES OIL & GAS LP COGCC Operator Number: 26580

Address: PO BOX 4289

City: FARMINGTON State: NM Zip: 87499

Contact Name: Larissa Farrell Phone: (505)326-9504 Fax: (918)662-6259

Email: Larissa.L.Farrell@ConocoPhillips.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 19920030

WELL LOCATION INFORMATION

QtrQtr: SESE Sec: 8 Twp: 4S Rng: 64W Meridian: 6

Latitude: 39.711756 Longitude: -104.565958

Footage at Surface: 560 Feet FNL/FSL FSL 355 Feet FEL/FWL FEL

Field Name: WILDCAT Field Number: 99999

Ground Elevation: 5633 County: ARAPAHOE

GPS Data:
Date of Measurement: 05/08/2014 PDOP Reading: 1.5 Instrument Operator's Name: Dallas Neilson

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>583</u>	<u>FSL</u>	<u>928</u>	<u>583</u>	<u>FSL</u>	<u>2360</u>
		<u>FEL</u>			<u>FWL</u>
Sec: <u>8</u>	Twp: <u>4S</u>	Rng: <u>64W</u>	Sec: <u>7</u>	Twp: <u>4S</u>	Rng: <u>64W</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.)

NW/4, SE/4, NE/4, Section 8, 4S, 64W

Total Acres in Described Lease: 480 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: 0 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1429 Feet

Building Unit: 1429 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 549 Feet

Above Ground Utility: 613 Feet

Railroad: 5280 Feet

Property Line: 355 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 proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 1239 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 583 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	535-753	1280	Sec. 7-8 ALL

DRILLING PROGRAM

Proposed Total Measured Depth: 15452 Feet

Distance from the proposed wellbore to nearest existing or proposed wellbore belonging to another operator, including plugged wells:

Enter distance if less than or equal to 1,500 feet: 1239 Feet No well belonging to another operator within 1,500 feet

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 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	16	39.7	0	100	50	100	0
SURF	13+1/2	9+5/8	36	0	1947	620	1947	0
1ST	8+3/4	5+1/2	23	0	15452	1070	15452	1947

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 the Tiberius 4-64 8 4H. The well had the following changes:
Well name: changed to Tiberius 4-64 8-7 4CH
TPZ: from 560' FSL to 583' FSL
BHL: from Section 8 to Section 7 583' FSL
TD which includes casing changes: from 12255' to 15452'.

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

Location ID: 439225

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: Larissa Farrell

Title: Regulatory Technician Date: 10/19/2016 Email: Larissa.L.Farrell@ConocoPhillips

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: *Matthew Lee* Director of COGCC Date: 2/26/2017

Expiration Date: 02/25/2019

API NUMBER
05 005 07231 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

	Bradenhead tests shall be performed and reported according to the following schedule and Form 17 submitted within 10 days of each test.: 1) Within 60 days of rig release, prior to stimulation. 2) 6 months after rig release, prior to stimulation. 3) Within 30 days of first production, as reported on Form 5A.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU for the first well activity with a rig on the pad and provide 48 hour spud notice via Form 42 for all subsequent wells drilled on the pad. 2) Comply with Rule 317.j. and provide cement coverage from TD" to a minimum of 200' above Niobrara. Verify coverage with cement bond log.

Best Management Practices

No BMP/COA Type

Description

1	Drilling/Completion Operations	Open-hole Resistivity Log with Gamma Ray Log will be run from the kick-off point into the surface casing. A Cement Bond Log with Gamma-Ray will be run on production casing, or on intermediate casing if a production liner is run. The horizontal portion of the wellbore will be logged with a measured-while-drilling gamma-ray log. The Form 5, Completion Report, will list all logs run and have those logs attached.
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Total: 1 comment(s)

Applicable Policies and Notices to Operators

Policy
Notice Concerning Operating Requirements for Wildlife Protection. http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401121783	FORM 2 SUBMITTED
401131719	OffsetWellEvaluations Data
401131774	DEVIATED DRILLING PLAN
401131781	DIRECTIONAL DATA
401133651	WELL LOCATION PLAT
401219080	OFFSET WELL EVALUATION

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review complete. No LGD or public comment received.	02/24/2017
Permit	No SLB or Fed surface/mins. If location not built by 2A expiration 10/4/2017, Operator must Refile Form 2A for approval prior to location construction.	02/24/2017
Permit	Status In Process - corrections made with Operator agreement: - corrected Total Acres in Lease from 320 to 480, as the lease described covers three quarters of Section 8. - corrected distance to nearest unit boundary from 523' to 583' per the distance to the southern unit boundary shown on the attached Well Location Plat.	02/24/2017
Permit	Status Pending - Contacted Operator for corrections: - clarify Lease Description, which describes 480 acres, but total acreage stated is only 320. Original APD states lease as full 640 acres of Sec. 8. - distance to nearest unit boundary stated as 523, but attached Well Location Plat and data in Well Location tab states 583'.	02/08/2017
Permit	Initial Permitting review complete.	01/03/2017
Permit	With Operator consent, made the following corrections: - Rounded ground elevation to 5633'. - Changed well type dropdown to Horizontal. - Deleted spacing comment and add Spacing Order # 535-753.	12/29/2016
Permit	Changed objective formation from JNBRR to NBRR per Operator request.	11/29/2016
Permit	Passes completeness.	10/24/2016
Permit	Returned to draft: --lease described is not in proposed unit --need comment about changes to APD: name, TPZ, BHL, TD, casing & cement --add Location ID# to Submit Tab.	10/24/2016

Total: 9 comment(s)