

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:

400485600

APPLICATION FOR PERMIT TO:

☒ Drill
 ☐ Deepen
 ☐ Re-enter
 ☐ Recomplete and Operate

Date Received:

09/25/2013

TYPE OF WELL OIL ☒ GAS ☐ COALBED ☐ OTHER Pilot holeRefilling ☐ZONE TYPE SINGLE ZONE ☒ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐Sidetrack ☐Well Name: Cottonwood Creek 4-65 27Well Number: 1HName of Operator: BURLINGTON RESOURCES OIL & GAS LPCOGCC Operator Number: 26580Address: PO BOX 4289City: FARMINGTONState: NMZip: 87499Contact Name: Justin CarlilePhone: (432)202-4112Fax: (281)647-1935Email: justin.carlile@conocophillips.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 19920030

WELL LOCATION INFORMATION

QtrQtr: SWNW Sec: 27 Twp: 4S Rng: 65W Meridian: 6Latitude: 39.677161Longitude: -104.658414
 Footage at Surface: 1750 feet FNL/FSL FNL 325 feet FEL/FWL FWL
Field Name: WILDCATField Number: 99999Ground Elevation: 5707County: ARAPAHOE

GPS Data:

Date of Measurement: 07/15/2013 PDOP Reading: 1.1 Instrument Operator's Name: Robert KayIf well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**
 Footage at Top of Prod Zone: FNL/FSL 1750 FNL 325 FWL 1980 FNL 325 FWL
 Sec: 27 Twp: 4S Rng: 64W Sec: 27 Twp: 4S Rng: 64W

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 ☐ IndianThe Minerals beneath this Oil and Gas Location will be developed by this Well: YesThe right to construct the Oil and Gas Location is granted by: Surface Use Agreement

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.)

SWNW, Section: 27, Township 4 South, Range 65 West: A;;

Total Acres in Described Lease: 640 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: 325 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 2196 Feet

Building Unit: 2196 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 1737 Feet

Above Ground Utility: 1779 Feet

Railroad: 5280 Feet

Property Line: 325 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: 4145 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.)
NIOBRARA	NBRR	535-100		

DRILLING PROGRAM

Proposed Total Measured Depth: 8297 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 2821 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:

Cuttings will be taken by a certified transport company to be 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	16	39.7	0	100	50	100	0
SURF	13+1/2	9+5/8	36	0	2146	610	2146	0
OPEN HOLE	8+3/4			2146	8297			

☐ 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	Pilot hole is intended for use in the aid of drilling the curve. Pilot hole will no be produced
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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: Justin Carlile

Title: Regulatory Specialist Date: 9/25/2013 Email: justin.carlile@conocophillips.co

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:  Director of COGCC Date: 11/23/2013

Expiration Date: 11/22/2015

API NUMBER

05 005 07215 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

	PILOT HOLE 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. FOR LATERAL 2) Comply with Rule 317.i and provide cement coverage from end of 7" casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 3) Comply with Rule 321. Run and submit Directional Survey from TD to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.
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Best Management Practices

No BMP/COA Type

Description

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Data retrieval failed for the subreport 'IntPolicy_NTO' located at: \\DorDonSterling\FarmReports\policy_nto.rdl. Please

Attachment Check List

Att Doc Num

Name

400485600	FORM 2 SUBMITTED
400485663	WELL LOCATION PLAT
400485664	DEVIATED DRILLING PLAN
400485685	DIRECTIONAL DATA

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Changed OPEN HOLE size to 8+3/4" for consistency with lateral wellbore Form 2.	11/23/2013 1:26:12 PM
Engineer	Changed Drilling Fluids disposal from ONSITE to OFFSITE (recycle/reuse) for consistency with Form 2A.	11/23/2013 1:24:55 PM
Permit	Off hold. 2A passed. No LGD or public comments. Final Review--passed.	11/21/2013 7:01:09 AM
Permit	OGLA placed 2A on hold.	11/19/2013 4:00:01 PM
Permit	Oper. corrected dist. to nearest well penetrating NBRR.	10/28/2013 10:44:46 AM
Permit	Deleted spacing unit acreage & configuration. Not specific in Order. Need revision of distance to nearest well penetrating NBRR.	10/21/2013 3:52:20 PM
Permit	Operator made corrections. This form has passed completeness.	9/26/2013 1:08:04 PM
Permit	Returned to draft. Surface owner cannot be committed to or have signed a lease if they are not the mineral owner. Missing distance to nearest lease line. Missing top of producing zone and BHL footages (plan has a slight deviation) Well should be classified as Directional No casing program below 2146'.	9/26/2013 10:21:34 AM

Total: 8 comment(s)