

FORM
2
Rev
08/16

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:
401164217
Date Received:
02/02/2017

APPLICATION FOR PERMIT TO:

Drill Deepen Re-enter Recomplete and Operate

TYPE OF WELL OIL GAS COALBED OTHER _____
ZONE TYPE SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Refiling
Sidetrack

Well Name: Venturers Well Number: 41-4H
Name of Operator: BURLINGTON RESOURCES OIL & GAS LP COGCC Operator Number: 26580
Address: PO BOX 4289
City: FARMINGTON State: NM Zip: 87499
Contact Name: Jennifer Dixon Phone: (832)486-3345 Fax: ()
Email: Jennifer.a.dixon@ConocoPhillips.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 19920030

WELL LOCATION INFORMATION

QtrQtr: NENE Sec: 19 Twp: 3S Rng: 64W Meridian: 6
Latitude: 39.780533 Longitude: -104.584467

Footage at Surface: 933 Feet FNL/FSL FNL 300 Feet FEL/FWL FEL

Field Name: WILDCAT Field Number: 99999
Ground Elevation: 5445 County: ADAMS

GPS Data:
Date of Measurement: 06/11/2013 PDOP Reading: 1.8 Instrument Operator's Name: Dallas Nielsen

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
1531 FNL 460 FEL 1531 FNL 2294 FWL
Sec: 19 Twp: 3S Rng: 64W Sec: 24 Twp: 3S Rng: 65W

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.)

Township 3 South, Range 64 West, Section 19: ALL

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: 0 Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1020 Feet

Building Unit: 1020 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 289 Feet

Above Ground Utility: 885 Feet

Railroad: 5280 Feet

Property Line: 300 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: 3850 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	535-837	1305	S19, S24: ALL

DRILLING PROGRAM

Proposed Total Measured Depth: 15747 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: _____ 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 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	30	16	39.7	0	100	295	44	0
SURF	13+1/2	9+5/8	36	0	2012	560	2012	0
1ST	8+3/4	5+1/2	23	0	15747	1920	15747	2012

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 Venturers 41-4H. Operator has set conductor (Sundry Doc#401138519), and conductor depth and cement bottom shown on Casing tab is actual. Total proposed measured depth, TPZ and BHL, surface/mineral ownership, and spacing order has changed from originally approved permit.

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

Location ID: 428353

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: Jennifer Dixon

Title: Regulatory Coordinator Date: 2/2/2017 Email: jennifer.a.smith@ConocoPhillip

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: 12/16/2017

Expiration Date: 12/15/2019

API NUMBER
05 001 09742 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.

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

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
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.

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>
2473152	WELL LOCATION PLAT
2473153	DEVIATED DRILLING PLAN
401164217	FORM 2 SUBMITTED
401460980	DIRECTIONAL DATA

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review complete.	12/14/2017
Engineer	No wells within 1500'	12/13/2017
Permit	Status Active - corrections made with Operator concurrence: - changed distance to nearest wellbore in same formation from 950' to 3850' as measured to Bear 3-36 22-23 5H_D (001-10005). - revised open hole logging BMP to clarify open hole logs will be run on this proposed well. - Operator confirmed the Venturers 41-5H will be refiled/repermitted at a later date. Permitting review complete.	11/20/2017
Permit	Status PENDING - Additional changes may be required pending further updated data, including refresh in COGIS map: - distance to nearest wellbore in same formation (approx 3850' as measured to Bear 3-36 22-23 5H_D (001-10005)). - open hole logging BMP (is this now the only well to be drilled on this pad?) - request future plans for nearest permitted well Venturers 41-5H (001-09741); expired 3/28/2014.	11/15/2017
Permit	Operator wishes to make significant changes to this proposed wellbore, including extending and shifting the lateral. Associated Venturers 41-5H Refile APD has been withdrawn. COGCC staff has been consulted and the following changes have been made to this APD: - changed well type dropdown from Directional to Horizontal. - TPZ & BHL footages have been revised to reflect new well location plat. - distance to nearest lease line changed from 460' to 0' as wellbore crosses lease area. - proposed total measured depth changed from 12,208' to 15,747'. - surface/1st string casing data has been updated; conductor casing retains as-built data. - updated well location plat and deviated drilling plan attachments have been added and outdated attachments deleted. - updated directional data has been imported.	11/15/2017

Permit	Revised SHL GPS data from planned lat/long to as-built lat/long as reported on Sundry Doc# 401138519 for preset conductor.	09/05/2017
Engineer	Asked about status of compliance with conductor setting policy - no apparent action prior to March 2017 re: keeping and seeking variance.	09/04/2017
Permit	Secondary Permitting review complete.	08/17/2017
Permit	Status Active - corrections made with Operator concurrence: - operator confirmed surface owner is mineral owner; changed right to construct from SUA to Lease. - changed cultural distance to nearest utility from 2670' to 885'. - revised open hole logging BMP. - deleted incorrect deviated drilling plan and attached revised one. - revised casing data to reflect preset conductor casing and deleted second string data. - revised distance to nearest wellbore in same formation from 950' to 970' as measured to Venturers 41-5H. - added comment on Submit tab describing Refile changes from originally approved permit.	08/17/2017
Permit	Status Pending - contacted Operator for corrections: - verify open hole logging BMP: are both Venturers 41-4H & 41-5H being logged? - distances to nearest building and nearest utility are incorrect. - verify if surface owner is mineral owner and right to construct. - change Conductor Casing data to existing set conductor reported on Sundry \$401138519. - revise comment stating that conductor casing data has changed from prior approved permit.	08/07/2017
Permit	Updated Spacing Order number, Unit Acreage and Unit Config with newly established Spacing Order info (from July 2017 hearing).	08/07/2017
Permit	Note - SUA is found in the COGCC electronic well file. Note - Conductor casing has already been set per Sundry Notice (Doc# 401138519). Initial Permitting review complete.	07/06/2017
Permit	Status Active - with Operator concurrence: - updated Operator contact and submitter name/info. - changed right to construct from Lease to SUA. - checked box "no offset well within 1500 feet". - deleted doc# from Related Forms tab (location is already built, no additional Form 2A is required).	07/06/2017
OGLA	Operator will be submitting an updated Waste Management Plan via Form 4 Sundry.	06/07/2017
Permit	A new task has been created for OGLA staff to review waste management and oil-based drilling fluids on this APD since no Form 2A has been submitted in conjunction with it.	05/16/2017
Permit	Status Pending - contacted Operator for clarification/corrections: - Comment on Submit tab states nothing has changed on this form from the prior approved permit. But the prior approved APD had right to construct as SUA, and this APD has Lease. Verification required. - Unit Acreage and Unit Config data is missing. Order 535-101 does not create a Drilling & Spacing Unit, so a comment should be added to address this lack of data. - check box on Offset Wells tab for "no offset well within 1500". - delete Related Forms line item; no 2A has been submitted.	05/16/2017
Permit	Passed completeness.	02/28/2017
Permit	Corrected 1st half Bottom Hole Footage to 660' to match plat. Unchecked "is being submitted with Oil & Gas Location Assessment application". Note: Location has already been built.	02/28/2017

Permit	Returned to Draft: * Please list what, if anything has changed on the APD in the Submit Tab. If no changes, indicate no changes. * Top of Prod Zone needs to be noted on the Well Location Plat. * Correct typo on 1st half of Bottom Hole Location. * Need to refile related Oil & Gas Location Assessment application 401165477.	02/09/2017
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Total: 19 comment(s)