

FORM
2

Rev
12/05

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:

400352878

Date Received:

01/07/2013

PluggingBond SuretyID

20100227

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER ☐ Pilot hole
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refiling ☐

Sidetrack ☐

3. Name of Operator: CONOCO PHILLIPS COMPANY

4. COGCC Operator Number: 19160

5. Address: P O BOX 2197

City: HOUSTON State: TX Zip: 77252-2197

6. Contact Name: Justin Carlile Phone: (432)688-9165 Fax: (432)688-6019

Email: justin.carlile@conocophillips.com

7. Well Name: Converse Family 6 Well Number: 1H

8. Unit Name (if appl): Unit Number:

9. Proposed Total Measured Depth: 7646

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 6 Twp: 4s Rng: 63W Meridian: 6

Latitude: 39.728869 Longitude: -104.472106

Footage at Surface: 1980 feet FNL/FSL 260 feet FEL/FWL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5604 13. County: ARAPAHOE

14. GPS Data:

Date of Measurement: 10/04/2012 PDOP Reading: 1.9 Instrument Operator's Name: Robert Kay

15. 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

Sec: Twp: Rng: Sec: Twp: Rng:

16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 256 ft

18. Distance to nearest property line: 260 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 5432 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Niobrara	NBRR			

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #:

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☒ Yes ☐ No Surface Surety ID#:

23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease? ☒ Yes ☐ No

23b. If 23 is No: ☐ Surface Owners Agreement Attached or ☐ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond

24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):

NESE, 6, T4S, 63W-- Township 4 South, Range 63 West 6th P.M. Section 6: S/2 The NESE is a divided mineral interest and ConocoPhillips has signed leases for both parties. ConocoPhillips does not intend on producing the pilot portion of the well, only the lateral hole will be produced

25. Distance to Nearest Mineral Lease Line: 260

26. Total Acres in Lease: 320

DRILLING PLANS AND PROCEDURES

27. Is H2S anticipated? ☐ Yes ☒ No If Yes, attach contingency plan.

28. Will salt sections be encountered during drilling? ☐ Yes ☒ No

29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling? ☒ Yes ☐ No

30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☒ No

31. Mud disposal: ☒ Offsite ☐ Onsite

If 28, 29, or 30 are "Yes" a pit permit may be required.

Method: ☐ Land Farming ☐ Land Spreading ☒ Disposal Facility Other: _____

Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

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	25	100	0
SURF	12+1/4	9+5/8	36	0	1,810	590	1,810	0
OPEN HOLE	8+3/4			1810	7,646			

32. BOP Equipment Type: ☒ Annular Preventer ☒ Double Ram ☒ Rotating Head ☐ None

33. Comments Mud Disposal will be offsite, this will be done by a transport company that has the appropriate licensing and qualifications to dispose properly. We will be using statewide spacing for these wells. ConocoPhillips does not intend on producing the pilot portion of the well, only the lateral hole will be produced

34. Location ID: _____

35. Is this application in a Comprehensive Drilling Plan ? ☐ Yes ☐ No

36. Is this application part of submitted Oil and Gas Location Assessment ? ☒ Yes ☐ 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: 1/7/2013 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: Matthew Lee Director of COGCC Date: 2/28/2013

API NUMBER

05 005 07204 00

Permit Number: _____ Expiration Date: 2/27/2015

CONDITIONS OF APPROVAL, IF ANY:

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.

The vertical wellbore is not in compliance with Rule 318 a. and therefore can not be produced, at this time.

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.

Attachment Check List

Att Doc Num	Name
1792562	WELL LOCATION PLAT
400352878	FORM 2 SUBMITTED
400365748	WELL LOCATION PLAT

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Requested review of the distance to the nearest lease line. The NESE is a divided mineral interest and ConocoPhillips has a signed lease from both parties. ConocoPhillips does not intend on producing the pilot portion of the well, only the lateral hole will be produced.	2/22/2013 1:40:23 PM
Final Review	Corrected mud disposal check box from ONSITE to OFFSITE per operator's comments and Form 2A. Form ON HOLD for lease clarification.	2/21/2013 1:53:49 PM
Permit	Final review completed. LGD comments on file.	2/21/2013 7:49:48 AM
LGD	<p>1. The Applicant will obtain all necessary County permits, including Building and Access permits, as appropriate.</p> <p>2. A GESC Plan and report must be submitted for each oil and gas facility. As the disturbed area for this well or facility exceeds 1 acre, collateral to guarantee the BMPs will be required prior to the issuance of the GESC Permit. The GESC Permit must be issued prior to any grading related to facility construction.</p> <p>3. A traffic report must be submitted to the County before issuance of an Access permit. The report must specify the volume, type, and size of truck traffic used in construction, drilling, completion, and production. Included in this report, the Applicant must provide a detailed map depicting all County roads intended to be used for truck ingress and egress to the well or facility. The roadway condition and existing traffic volumes of each of the roadways must be specified in the report. Any damage to a County road resulting from the well or facility operation will be the responsibility of the Applicant.</p> <p>4. An Oversize Moving Permit is required for transporting drilling rigs or any other oversize and overweight vehicles on any County roadway.</p> <p>5. In the event of any encroachment of a FEMA or County designated floodplain, a floodplain Development Permit will be required. Prior to issuance of this permit, an engineering analysis must be submitted evaluating the impact of this encroachment on the 100 year floodplain.</p> <p>Arapahoe County has the following suggestions:</p>	1/29/2013 4:41:44 PM

The Applicant and/or its contractors are responsible for dust control and mitigation on unpaved roads, the well pad and associated facilities.

The Applicant will have all lights directed downward during the drilling phase.

The Applicant will use a closed-loop system.

The Applicant will be responsible for noxious weed control from the construction phase to the closure of the well or facility.

The Applicant will submit a complaint-based Noise Mitigation Plan to the Public Works and Development Department prior to construction of the well or facility.

The Applicant and contractors will work with applicable school district(s) to minimize conflicts with school buses. 1. The Applicant will obtain all necessary County permits, including Building and Access permits, as appropriate.

2. A GESC Plan and report must be submitted for each oil and gas facility. As the disturbed area for this well or facility exceeds 1 acre, collateral to guarantee the BMPs will be required prior to the issuance of the GESC Permit. The GESC Permit must be issued prior to any grading related to facility construction.

3. A traffic report must be submitted to the County before issuance of an Access permit. The report must specify the volume, type, and size of truck traffic used in construction, drilling, completion, and production. Included in this report,

the Applicant must provide a detailed map depicting all County roads intended to be used for truck ingress and egress to the well or facility. The roadway condition and existing traffic volumes of each of the roadways must be specified in

the report. Any damage to a County road resulting from the well or facility operation will be the responsibility of the Applicant.

4. An Oversize Moving Permit is required for transporting drilling rigs or any other oversize and overweight vehicles on

any County roadway.

5. In the event of any encroachment of a FEMA or County designated floodplain, a floodplain Development Permit will be required. Prior to issuance of this permit, an engineering analysis must be submitted evaluating the impact of this

encroachment on the 100 year floodplain.

Arapahoe County has the following suggestions:

The Applicant and/or its contractors are responsible for dust control and mitigation on unpaved roads, the well pad and associated facilities.

The Applicant will have all lights directed downward during the drilling phase.

The Applicant will use a closed-loop system.

The Applicant will be responsible for noxious weed control from the construction phase to the closure of the well or facility.

The Applicant will submit a complaint-based Noise Mitigation Plan to the Public Works and Development Department prior to construction of the well or facility.

The Applicant and contractors will work with applicable school district(s) to minimize conflicts with school buses.

Engineer	<p>LOCATION: NE1/4 OF SE1/4 OF SEC. 6, T.4s., R.63W. (1980 SSL, 260 ESL) LOCATION IS WITHIN THE LOST CREEK DESIGNATED GROUND WATER BASIN</p> <p>Ground Elevation: 5604 Number of Acres: 160</p> <p>ELEVATION DEPTH TO ANNUAL ----- NET ----- APPROP STATUS AQUIFER BOT. TOP SAND BOT. TOP A-F -----</p> <p>UPPER DAWSON ---- - - - - - LOWER DAWSON ---- - - - - - DENVER 5020 5384 148.8 584 220 40.49 NNT UPPER ARAPAHOE 4753 4976 92.2 851 628 25.08 NT LOWER ARAPAHOE 4469 4678 62.3 1135 926 16.94 NT LARAMIE-FOX HILLS 3901 4148 155.1 1703 1456 37.24 NT</p>	<p>1/29/2013 8:28:19 AM</p>
Permit	Comment period extended 10 days to February 7, 2013 per request of Arapahoe County LGD.	<p>1/28/2013 9:57:44 AM</p>
Permit	Operator requested change from 64W to 63W.	<p>1/10/2013 4:58:53 AM</p>
Permit	Requested review of Range designation as the lat/long plots in 63W as the Plat states but line #10 states 64W. Requested review from operator.	<p>1/9/2013 6:08:58 AM</p>

Total: 8 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Planning	<p>ConocoPhillips has adopted the Colorado Oil and Gas Association (COGA) voluntary groundwater testing program to establish baseline groundwater quality conditions around new oil well locations in their leased area. The sampling program will allow the company (ConocoPhillips) to evaluate the groundwater conditions before drilling a well and also to monitor water quality afterward.</p> <p>The program will be in accordance with the guidance set forth in the Voluntary Baseline Groundwater Quality Sampling Program last updated on November 15, 2011. Under the sampling protocol, water samples would be collected from the two closest groundwater sources with reasonable access. The sample points, permitted or registered wells, would located within ½ mile of the proposed well surface location.</p> <p>Sampling will be conducted based on the landowner granting access to the well location and agreeing to have the laboratory analytical results submitted to COGCC for posting to a database viewable by the public.</p> <p>Samples will be analyzed for the constituents listed in Table 1 of the Groundwater Sampling and Analytical Program.</p>

Total: 1 comment(s)