

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:

400395683

Date Received:

04/17/2013

PluggingBond SuretyID

20100227

## APPLICATION FOR PERMIT TO:

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

## 2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER ☐ Pilot ☐  
 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: Cline 4-64 2

Well Number: 1H

8. Unit Name (if appl):

Unit Number:

9. Proposed Total Measured Depth: 7707

## WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 2 Twp: 4S Rng: 64W Meridian: 6

Latitude: 39.732803

Longitude: -104.509206

Footage at Surface: 1996 feet FNL/FSL 265 feet FEL/FWL  
 FNL FEL

11. Field Name: Wildcat

Field Number: 99999

12. Ground Elevation: 5586.3

13. County: ARAPAHOE

## 14. GPS Data:

Date of Measurement: 10/29/2012 PDOP Reading: 2.1 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: 1355 ft

18. Distance to nearest property line: 265 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 4084 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 ☐ Indian23. 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 ☐ No23b. 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):

Section 2, Township 4 South, Range 64 West, 6th P.M., N/2, N/2SW/4, E/2SE/4, N/2NW/4SE/4, section 1 all.

25. Distance to Nearest Mineral Lease Line: 1996 ft

26. Total Acres in Lease: 1175

### 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	26+0/0	16+0/0	39.7	0	100	50	100	0
SURF	12+1/4	9+5/8	36	0	1,890	570	1,890	
OPEN HOLE	0+0/0	0+0/0	0	1890	7,707			

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

33. Comments Cuttings will be taken by a certified transport company and disposed of at a certified disposal company. The vertical wellbore portion will not 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: Jusitn Carlile

Title: Regulatory Specialist Date: 4/17/2013 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: 7/31/2013

#### API NUMBER

05 005 07212 00

Permit Number: \_\_\_\_\_ Expiration Date: 7/30/2015

#### 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.

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 TD 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.

### **Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

Att Doc Num	Name
1792766	WELL LOCATION PLAT
400395683	FORM 2 SUBMITTED
400405304	DEVIATED DRILLING PLAN

Total Attach: 3 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review completed. No LGD or public comments.	6/13/2013 9:52:35 AM
Permit	The vertical prortion of this wellbore will not be produced and change of objective formation as per operator.	5/15/2013 7:15:21 AM
Engineer	should other formations be listed - deeper than Nio, probably shy of Jsand	5/7/2013 11:34:45 AM
Engineer	LOCATION: SE1/4 OF NE1/4 OF SEC. 2, T.4s., R.64W. (1996 NSL, 265 ESL) LOCATION IS WITHIN THE LOST CREEK DESIGNATED GROUND WATER BASIN  Ground Elevation: 5586 Number of Acres: 160  ELEVATION DEPTH TO ANNUAL ----- NET ----- APPROP STATUS AQUIFER BOT. TOP SAND BOT. TOP A-F ----- UPPER DAWSON ---- - - - - - LOWER DAWSON ---- - - - - - DENVER 4909 5376 156.9 677 210 42.69 NNT UPPER ARAPAHOE 4685 4853 109.0 901 733 29.65 NT LOWER ARAPAHOE 4394 4610 51.5 1192 976 14.01 NT LARAMIE-FOX HILLS 3832 4070 153.6 1754 1516 36.87 NT	5/7/2013 11:34:32 AM
Permit	Operator requested changes in lease description, total number of acres and distance to the nearest lease.	4/26/2013 12:30:38 PM
Permit	Requested Well Location map that doesn't have the horizontal BHL on it. This is the pilot APD. Also, the SHL is an exception location due to fact that in the 535-246 it states that vertical and directional wells to the Niobrara will comply with 318a.	4/26/2013 10:18:29 AM
Permit	Pass completeness. This is vertical pilot hole.	4/17/2013 1:44:00 PM

Total: 7 comment(s)

## **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
Site Specific	<p>ConocoPhillips Groundwater Monitoring Program</p> <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 be 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)