

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:

400321546

Date Received:

01/14/2013

PluggingBond SuretyID

20100227

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER Lateral  
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: Walker 12 Well Number: 1H

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

9. Proposed Total Measured Depth: 11664

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 12 Twp: 4s Rng: 64w Meridian: 6

Latitude: 39.710806

Longitude: -104.490761

Footage at Surface: 660 feet FSL 250 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5712 13. County: ARAPAHOE

14. GPS Data:

Date of Measurement: 06/11/2012 PDOP Reading: 1.5 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  
660 FSL 823 FEL 660 FSL 480 FWL  
Sec: 12 Twp: 4s Rng: 64w Sec: 12 Twp: 4s Rng: 64w

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: 250 ft

18. Distance to nearest property line: 278 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1622 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	535-203	640	ALL

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):

Township 4 South, Range 64 West, 6th P.M., Section 12 SE/4 SE/4, SW/4 SW/4, W/2 of SE/4 of SW/4.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 100

### 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	20+0/0	16+0/0	0	0	80	50	80	0
SURF	12+1/4	9+5/8	36	0	1,950	630	1,950	0
1ST	8+3/4	7+0/0	26	0	7,691	530	7,691	1,850
1ST LINER	6+1/8	4+1/2	13.5	6691	11,664			

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

33. Comments The pilot hole is this well will not be produced, it is there to aid in the building of the lateral. The cuttings will be transported by a qualified company to a disposal facility. The spacing number 535-203 has been approved, we are just waiting to get the hearing notes and order off of the COGCC website. We have an approved involuntary pooling ruling as of 01/08/2013 Zero feet to the nearest lease line as there are multiple leases crossed with this horizontal wellbore.

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: 1/14/2013 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: 2/21/2013

#### API NUMBER

05 005 07203 01

Permit Number: \_\_\_\_\_ Expiration Date: 2/20/2015

#### 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 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
400321546	FORM 2 SUBMITTED
400321584	DIRECTIONAL DATA
400366748	PLAT
400369222	DEVIATED DRILLING PLAN

Total Attach: 4 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. LGD comments on file.	2/21/2013 8:13:10 AM

LGD	<p>1. The Applicant will obtain all necessary permits, including Building Permits and Access Permits, as appropriate.</p> <p>2. A Grading Erosion and Sediment Control Plan and report must be submitted for each oil and gas facility. As the disturbed area for this well exceeds 1 acre, collateral to guarantee the BMPs will be required prior to 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 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 traffic ingress and egress to the 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 facility construction or 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> <p>The Applicant and/or contractors are responsible for dust control and mitigation on unpaved roads, the well pad, and associated facilities.</p> <p>The Applicant will have light directed downward during the drilling phase.</p> <p>The Applicant will use a closed-loop system.</p> <p>The Applicant will be responsible for noxious weed control from the drilling phase to the closure of the well or associated facility.</p> <p>The Applicant will submit a complaint-based Noise Mitigation Plan to Public Works and Development prior to construction of the facility.</p> <p>The Applicant and contractors will work with applicable school district(s) to minimize conflicts with school buses.</p>	2/4/2013 9:58:11 AM
Engineer	<p>LOCATION: SE1/4 OF SE1/4 OF SEC. 12, T.4s., R.64W. (660 SSL, 250 ESL) LOCATION IS WITHIN THE LOST CREEK DESIGNATED GROUND WATER BASIN</p> <p>Ground Elevation: 5712 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 5016 5391 179.8 696 321 48.91 NNT UPPER ARAPAHOE 4733 4956 71.8 979 756 19.53 NT LOWER ARAPAHOE 4463 4658 81.9 1249 1054 22.27 NT LARAMIE-FOX HILLS 3882 4125 160.3 1830 1587 38.47 NT</p>	1/28/2013 3:54:46 PM

Permit	Received authorization to delete second SWSW and change total acres to 100 from operator. Also, zero feet to the nearest lease line as there are multiple lease crossed with this horizontal wellbore.	1/22/2013 2:59:10 PM
Permit	The distance to the nearest lease line to this horizontal more than likely is 0'. There is a question about lease description, it has duplicate QQ identified and doesn't match up with the "total acres". The Objective Formation should read All for unit configuration. Requested operator review.	1/22/2013 8:46:03 AM

Total: 5 comment(s)

### **BMP**

<u>Type</u>	<u>Comment</u>
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)