

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:

400334025

Date Received:

10/15/2012

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)6889165 Fax: (432)6886019

Email: justin.carlile@conocophillips.com

7. Well Name: Krout 14 Well Number: 1H

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

9. Proposed Total Measured Depth: 7805

## WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 14 Twp: 4S Rng: 64W Meridian: 6

Latitude: 39.708544 Longitude: -104.509022

Footage at Surface: 314 feet FNL 100 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5694.8 13. County: ARAPAHOE

### 14. GPS Data:

Date of Measurement: 07/16/2012 PDOP Reading: 1.4 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: 313 ft

18. Distance to nearest property line: 100 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 580 ft

## 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):  
 1.) E/2, 14, 4s, 64w 2.) NW, 14, 4s, 64W

25. Distance to Nearest Mineral Lease Line: 100 ft 26. Total Acres in Lease: 480

**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+0/0	16+0/0	0	0	100	50	100	0
SURF	12+1/4	9+5/8	36	0	2,050	660	2,050	0
OPEN HOLE				2050	7,805			

32. BOP Equipment Type:  Annular Preventer  Double Ram  Rotating Head  None  
 33. Comments This is a pilot hole and will not be produced. The cuttings will be transported off site and disposed of correctly at a facility Spacing numbers are pending, Approval was given at hearing waiting on upload to COGCC website

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: 10/15/2012 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: 12/14/2012

API NUMBER: **05 005 07202 00** Permit Number: \_\_\_\_\_ Expiration Date: 12/13/2014

**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
1792535	WAIVERS
1792536	WAIVERS
1792537	WAIVERS
1792538	VARIANCE REQUEST
400334025	FORM 2 SUBMITTED
400336663	WELL LOCATION PLAT

Total Attach: 6 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review completed.	12/11/2012 1:05:57 PM
Permit	Received variance request and waivers for SHL exception location.	12/11/2012 10:51:46 AM
Permit	Requested waiver request letter and signed waiver due to the stated 100' distance to nearest property line.	11/14/2012 6:48:19 AM
Permit	Lease description changed as per operator's request.	10/17/2012 12:16:47 PM
Permit	Requested review of the lease description (N/2NW/4 might be un-necessary as NW/4 is stated as leased).	10/17/2012 7:00:17 AM
Permit	Operator attached corrected well location plat for pilot hole and amended/removed superfluous documents. This form passed completeness.	10/16/2012 9:55:13 AM
Permit	Rreturn to draft: 1. Well location plat does not match pilot hole information; attached plat is for lateral portion of well. 2. Drilling plan does not contain drilling diagram of pilot hole.	10/15/2012 4:11:55 PM

Total: 7 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)