

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:

400334035

Date Received:

10/15/2012

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

PluggingBond SuretyID

20100227

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: 12016

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: 561 FNL 619 FEL 660 FNL 480 FWL
Sec: 14 Twp: 4s Rng: 64W Sec: 14 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: 313 ft

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

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#: 20100047

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.)N/2NW/4, 14, 4s, 64W 3.) NW, 14, 4s, 64W

25. Distance to Nearest Mineral Lease Line: 480 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
1ST	8+3/4	7+0/0	32	1950	7,790	530	7,790	1,950
1ST LINER	6+0/0	4+1/2	13.5	6790	12,016	0	0	0

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

33. Comments This is the lateral portion of the well. The cutting will be transpoted off site and disposed of correctly at a facility. Spacing numbers are pending, Approval was given at hearing waiting on upload to COGCC webstie

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: 12/17/2012

API NUMBER
05 005 07202 01

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.

Attachment Check List

Att Doc Num	Name
1792539	VARIANCE REQUEST
1792540	WAIVERS
1792541	WAIVERS
1792542	WAIVERS
400334035	APD APPROVED
400336556	WELL LOCATION PLAT
400336682	DIRECTIONAL DATA
400336992	DEVIATED DRILLING PLAN
400358661	FORM 2 SUBMITTED

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed.	12/11/2012 1:06:27 PM
Permit	Operator requested that the distance to the nearest lease line be changed to 480'.	12/11/2012 1:02:41 PM
Permit	Received variance request and waivers for SHL exception location.	12/11/2012 10:53:57 AM
Permit	Requested waiver request letter and signed waiver due to the stated 100' distance to nearest property line.	11/14/2012 6:49:19 AM
Permit	Requested review of the lease description (N/2NW/4 might be un-necessary as NW/4 is stated as leased). Distance to the nearest permitted would be the pilot wellbore at the same SHL.	10/17/2012 7:36:57 AM
Permit	Operator attached lateral portion of deviated drilling plan (the +N/-S value [-215.94] is only slightly off from directional drilling data excel spreadsheet and template/import [-215.97]). This form passed completeness.	10/16/2012 5:38:25 PM
Permit	Return to draft: 1. Deviated drilling plan for the lateral portion is not attached; only the lateral portion of the drilling plan needs to be attached. Operator completed question no. 36 and attached/imported directional drilling template.	10/16/2012 9:58:07 AM
Permit	Return to draft: 1. Question no. 36 is incomplete. 2. Directional drilling template/import is not attached/cannot import. 3. Deviated drilling plan contains the pilot hole drilling plan; please remove superfluous drilling plans.	10/15/2012 4:36:14 PM

Total: 8 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)