

FORM
2

Rev
12/05

State of Colorado Oil and Gas Conservation Commission

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Document Number:

400405421

Date Received:

05/15/2013

PluggingBond SuretyID

20100227

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL GAS COALBED OTHER _____
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: (281)293-1499 Fax: (432)688-6019

Email: justin.carlile@conocophillips.com

7. Well Name: Youngberg 10-11 Well Number: 1H

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

9. Proposed Total Measured Depth: 16550

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 11 Twp: 4S Rng: 64W Meridian: 6

Latitude: 39.713039 Longitude: -104.509497

Footage at Surface: 1320 feet FSL 255 feet FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5673.1 13. County: ARAPAHOE

14. GPS Data:

Date of Measurement: 10/04/2013 PDOP Reading: 1.3 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 _____
1315 FSL 822 FEL 1316 FSL 901 FWL
Sec: 11 Twp: 4S Rng: 64W Sec: 10 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: 335 ft

18. Distance to nearest property line: 255 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1455 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	535-245	1280	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):
 NESE, Section 10 and 11, Township 4 South, Range 64 West: All

25. Distance to Nearest Mineral Lease Line: 255 ft 26. Total Acres in Lease: 1280

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	13+1/2	9+5/8	36	0	1,945	890	1,945	0
1ST	8+3/4	7+0/0	32	0	7,769	530	7,769	1,845
1ST LINER	6+0/0	4+1/2	13.5	7669	16,550			

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

33. Comments Cuttings will taken by a certified transport company and disposed of at a certified disposal facility.

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: 5/15/2013 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: 7/21/2013

API NUMBER Permit Number: _____ Expiration Date: 7/20/2015
 05 005 07211 00

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.

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
400405421	FORM 2 SUBMITTED
400405998	DIRECTIONAL DATA
400418795	DEVIATED DRILLING PLAN
400418803	PLAT
400419265	OFFSET WELL EVALUATION

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. No LGD or public comments.	7/9/2013 12:40:52 PM
Engineer	changed elevation to match plat	5/5/2013 6:16:01 PM
Engineer	offset wells evaluated for adequacy 005-06830 - 40 sx 1900', 1500', 600' and 350'; 10 sx @ surface; CIBP+cmt @8030' 005-05054 25 sx 8145'; 40 sx @ 5230' 10 sx at SC shoe 200'; 5 sx @ surface 005-06845 sand across perms; CIBP @5000'; 225 sx @1800'; 15 sx @ SC 291'; 10 sx @ surface	5/5/2013 6:00:43 PM
Engineer	Shouldn't that directional plot on the map raise some questions? Probably a single data point off but it makes for a poor representation of the proposed wellbore.	5/5/2013 5:49:13 PM
Permit	Operator requested changes to horizontal and the unit configuration.	5/21/2013 7:22:15 AM
Permit	Requested operator to review the type of wellbore as to directional versus horizontal, it looks like horizontal.	5/20/2013 11:27:17 AM
Permit	Operator corrected QtrQtr, removed comment regarding pilot, and filled out surface and minerals tab. This form has passed completeness.	5/16/2013 12:39:25 PM
Permit	Returned to draft. Requested corrected QtrQtr, information on directional information since this is the pilot, surface and minerals tab not filled out completely, and lease description does not match lease acreage.	5/16/2013 6:37:55 AM

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)