

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400378514

Date Received:

02/11/2013

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)6889165 Fax: (432)6886019

Email: justin.carlile@conocophillips.com

7. Well Name: Tebo 33 Well Number: 1H

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

9. Proposed Total Measured Depth: 11824

## WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 33 Twp: 4s Rng: 64W Meridian: 6

Latitude: 39.654664 Longitude: -104.564814

Footage at Surface: 900 feet FSL 310 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5839.5 13. County: ARAPAHOE

### 14. GPS Data:

Date of Measurement: 10/08/2012 PDOP Reading: 2.0 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  
868 FSL 886 FWL 660 FSL 620 FEL  
Sec: 33 Twp: 4s Rng: 64W Sec: 33 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: 2365 ft

18. Distance to nearest property line: 310 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1709 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  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):

SWSW, Township 4 South, Range 64 West, 6th P.M. Section 33: All

25. Distance to Nearest Mineral Lease Line: 620 ft 26. Total Acres in Lease: 640

### 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	39.7	0	100	50	100	0
SURF	12+1/4	9+5/8	36	0	2,165	640	2,165	0
1ST	8+3/4	7+0/0	32	2165	8,046	540	8,046	2,065
1ST LINER	6+0/0	4+1/2	13.5	7043	11,824			

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

33. Comments Cuttings will be taken by certified transporter, and will be 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: 2/11/2013 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: 3/19/2013

**API NUMBER**  
05 005 07205 01

Permit Number: \_\_\_\_\_ Expiration Date: 3/18/2015

**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
400378514	FORM 2 SUBMITTED
400379133	PLAT
400379134	DEVIATED DRILLING PLAN
400379218	DIRECTIONAL DATA
400379985	OTHER

Total Attach: 5 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Distance to the nearest feature changed to 2365 to match the form 2A as per operator.	3/15/2013 9:54:27 AM
Final Review	ON HOLD - question of distance to nearest lease line and Line 17	3/15/2013 9:21:19 AM
Permit	Final review completed. LGD comments.	3/13/2013 5:30:35 AM
LGD	<p>1. The Applicant will obtain all necessary permits, including building and access permits, as applicable.</p> <p>2. A GESC Plan and report must be submitted for each oil and gas facility. If the disturbed area 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 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 construction, 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. The Applicant and contractors will work with applicable school district(s) to minimize conflicts with school buses.</p> <p>4. An oversize moving permit is required for transportation of 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 and associated facilities.</p> <p>The Applicant will have all lights during the drilling phase directed in a downward position.</p> <p>The Applicant will use a closed-loop system.</p> <p>The Applicant will be responsible for noxious weed control from the construction phase to the closure of the facility.</p> <p>The Applicant will submit a complaint-based Noise Mitigation Plan to Public Works and Development prior to the start of construction.</p>	3/1/2013 3:59:59 PM
Permit	Operator requested to change the Objective Formation to be Statewide Offset, and to change the distance to the nearest lease line to be 620'.	2/19/2013 1:34:26 PM

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)