

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400420121

Date Received:

05/21/2013

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: (281)293-1499 Fax: (432)688-6019

Email: justin.carlile@conocophillips.com

7. Well Name: Tebo 4 Well Number: 1H

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

9. Proposed Total Measured Depth: 9800

## WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 4 Twp: 5S Rng: 64W Meridian: 6

Latitude: 39.640256 Longitude: -104.565450

Footage at Surface: 900 feet FNL 250 feet FWL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 5888 13. County: ARAPAHOE

### 14. GPS Data:

Date of Measurement: 02/27/2012 PDOP Reading: 1.9 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: 336 ft

18. Distance to nearest property line: 250 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 4026 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| LYONS                  | LYNS           |                         |                               |                                      |

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):

Section 4, Township 5 South, Range 64 West: All

25. Distance to Nearest Mineral Lease Line: 250 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   | 26+0/0       | 16+0/0         | 39.7  | 0             | 100           | 50        | 50      | 0       |
| SURF        | 13+1/2       | 9+5/8          | 36    | 0             | 2,163         | 810       | 2,163   | 0       |
| OPEN HOLE   | 8+3/4        |                |       | 2163          | 9,800         |           |         |         |

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

33. Comments Cuttings will be taken by a certified transport company and disposed of at a certified disposal facility. The pilot hole on this well will not be produced, it is there to aid in the curve, only the lateral portion will be produced.

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: 5/21/2013 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

|                   |
|-------------------|
| <b>API NUMBER</b> |
| 05 005 07210 00   |

Permit Number: \_\_\_\_\_ Expiration Date: 7/20/2015

**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.

**Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

**Attachment Check List**

| Att Doc Num | Name                   |
|-------------|------------------------|
| 1792788     | WELL LOCATION PLAT     |
| 400420121   | FORM 2 SUBMITTED       |
| 400421584   | DEVIATED DRILLING PLAN |

Total Attach: 3 Files

**General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>   | <b><u>Comment Date</u></b> |
|--------------------------|---|----------------------------|
| Permit                   | Final review completed. There are LGD comments.   | 7/9/2013 3:05:07 PM        |
| Engineer                 | directional plan does not have side or plan view  | 6/14/2013 12:54:01 PM      |
| Permit                   | Received new well location plat.  | 6/11/2013 8:02:03 AM       |
| Permit                   | Requested the operator furnish a Well location plat that accurately shows the BHL of the Pilot. The supplied Deviated Drilling plan shows this wellbore to deviate 240' to the south and the horizontal Deviated Drilling plan actually starts at the "new" BHL. Requested Directional Data template for the pilot. | 5/31/2013 11:06:29 AM      |
| Permit                   | Passed completeness   | 5/22/2013 10:49:23 AM      |
| Permit                   | Returned to draft:<br>Lease description is not clear.   | 5/22/2013 8:37:50 AM       |

Total: 6 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)