

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:

400380008

Date Received:

02/22/2013

PluggingBond SuretyID

20100227

APPLICATION FOR PERMIT TO:

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

2. TYPE OF WELL

OIL ☐ GAS ☐ COALBED ☐ OTHER ☐ MONITOR WELL ☐
 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)688-9165 Fax: (432)688-6019

Email: justin.carlile@conocophillips.com

7. Well Name: Moran Trust 2

Well Number: 1

8. Unit Name (if appl):

Unit Number:

9. Proposed Total Measured Depth: 8017

WELL LOCATION INFORMATION

10. QtrQtr: NWSE Sec: 2 Twp: 5S Rng: 64W Meridian: 6

Latitude: 39.641706

Longitude: -104.516628

Footage at Surface: 1680 feet FNL/FSL 1853 feet FEL/FWL
 FSL FEL

11. Field Name: Wildcat

Field Number: 99999

12. Ground Elevation: 5976.4

13. County: ARAPAHOE

14. GPS Data:

Date of Measurement: 01/18/2013 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: 865 ft

18. Distance to nearest property line: 788 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 3711

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 ☐ Indian23. 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 ☐ No23b. 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):

Township 5 South, Range 64 West, 6th P.M. Section 2: Lot 1 (81.34), S/2NE/4, SE/4

25. Distance to Nearest Mineral Lease Line: 788 ft

26. Total Acres in Lease: 321

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	12+1/4	9+5/8	36	0	2,150	590	2,150	0
1ST	8+3/4	7+0/0	32	0	8,017	550	8,017	1,850

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

33. Comments This will be a Monitor well for Scientific data. The cuttings will be taken by a certified transport company to a certified disposal facility. Spacing is set on the March docket, included in this application is a request to amend order # 535-246

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: 2/22/2013 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: 4/26/2013

API NUMBER

05 005 07207 00

Permit Number: _____ Expiration Date: 4/25/2015

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.

- 1) Note surface casing setting depth change from 1950' to 2150'. Increase cement coverage accordingly.
- 2) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 4) Run and submit Directional Survey from TD to base of surface casing. The operator shall comply with Rule 321, and it shall be the operator's responsibility to 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
400380008	FORM 2 SUBMITTED
400383994	OTHER
400384397	PLAT

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. County comments have been reviewed and OGLA COA's are attached.	4/17/2013 11:49:58 AM

LGD	<p>The County requests incorporation of the following into approved forms 2 and 2A as BMPs</p> <ol style="list-style-type: none"> 1. The Applicant and/or contractors are responsible for dust control and mitigation on unpaved roads and the well pad. 2The Applicant will conduct baseline water sampling of all water wells within a 1/2 mi radius according to COGCC protocol that be will effective 5-1-13. 3. The Applicant will use a closed-loop system. 4. All lights will be directed downward during the drilling process. 5. The Applicant will be responsible for noxious weed control from pad construction to closure of the well. 6. The Applicant will provide a 24/7 phone contact number for noise complaints. 7. The Applicant and contractors will work with applicable school district(s) to minimize conflicts with school buses. 8. The Applicant will obtain a will serve letter from the appropriate fire protection district indicating that they have received a copy of the Emergency Response Plan. 9. Berms will be inspected on a weekly basis and within 48 hours of a precipitation event. 10. Any spill or release that is reportable to the Commission will be simultaneously reported to the County. 11. Except for facilities that must be painted a certain color for safety reasons, operator will paint all new production facilities with uniform, non-contrasting, non-reflective color tones generally matched to the surrounding landscapes. <p>The following is a list of County COAs addressed through the USR process:</p> <ol style="list-style-type: none"> 1. The Applicant will obtain all necessary County permits, including building and access permits, as applicable. 2. The applicant will obtain an approved GESC permit. 3. The Applicant will obtain necessary Oversize/Overweight vehicle permits. 4. A floodplain development permit must be approved for any encroachment of a FEMA or County designated floodplain. 	<p>3/14/2013 4:19:30 PM</p>
-----	--	---------------------------------

Engineer	<p>LOCATION: NW1/4 OF SE1/4 OF SEC. 2, T.5s., R.64W. (1680 SSL, 1853 ESL)</p> <p>Ground Elevation: 5977 Number of Acres: 160</p> <p>ELEVATION DEPTH TO ANNUAL ----- NET ----- APPROP STATUS AQUIFER BOT. TOP SAND BOT. TOP A-F -----</p> <p>UPPER DAWSON ---- - - - - - LOWER DAWSON ---- - - - - - DENVER 4965 5859 274.7 1012 118 74.73 NNT UPPER ARAPAHOE 4514 4928 231.4 1463 1049 62.95 NT LOWER ARAPAHOE ---- - - - - - LARAMIE-FOX HILLS 3876 4106 154.4 2101 1871 37.04 NT</p> <p>note: E indicates location is at aquifer boundary and values may be more approximate.</p>	<p>3/12/2013 9:46:14 AM</p>
Permit	Operator requested that the Objective Formation reflect Rule 318 a.	<p>2/26/2013 12:34:44 PM</p>
Permit	Distance to nearest well as per operator.	<p>2/26/2013 9:19:42 AM</p>
Permit	Requested distance to the nearest well for line # 19, also review of Spacing Order Number as this is Statewide Offset.	<p>2/26/2013 8:55:03 AM</p>
Permit	Added 2A document number to Related Forms panel.	<p>2/25/2013 12:50:40 PM</p>

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 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)