

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:

400391484

Date Received:

03/19/2013

PluggingBond SuretyID

20030009

## 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: NOBLE ENERGY INC

4. COGCC Operator Number: 100322

5. Address: 1625 BROADWAY STE 2200

City: DENVER State: CO Zip: 80202

6. Contact Name: Liz Lindow Phone: (303)228-4342 Fax: (303)228-4286

Email: llindow@nobleenergyinc.com

7. Well Name: Crow Creek State AC Well Number: 36-77HN

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

9. Proposed Total Measured Depth: 11073

## WELL LOCATION INFORMATION

10. QtrQtr: SESW Sec: 36 Twp: 7N Rng: 63W Meridian: 6

Latitude: 40.523580 Longitude: -104.387940

Footage at Surface: 270 feet FNL/FSL 1755 feet FEL/FWL  
 FSL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4788 13. County: WELD

## 14. GPS Data:

Date of Measurement: 10/09/2012 PDOP Reading: 1.7 Instrument Operator's Name: Adam Kelly

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  
 736 FSL 1322 FWL 535 FNL 1320 FWL  
 Sec: 36 Twp: 7N Rng: 63W Sec: 36 Twp: 7N Rng: 63W

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: 256 ft

18. Distance to nearest property line: 270 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 330 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		320	GWA

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):

Sec. 36-T7N-R63W

25. Distance to Nearest Mineral Lease Line: 535 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	18+1/2	16	0	0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	270	550	0
1ST	8+3/4	7	26	0	7,040	480	7,040	0
1ST LINER	6+1/8	4+1/2	11.6	6890	11,073			

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. UNIT CONFIGURATION = W2 in Sec. 36 T7N R63W, 320 acres. Wellhead is to be located outside of a GWA drilling window. Noble requests an exception location to 318Aa. Exception requests and waivers attached.

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: Liz Lindow

Title: Regulatory Analyst Date: 3/19/2013 Email: llindow@nobleenergyinc.com

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: 4/12/2013

#### API NUMBER

05 123 37131 00

Permit Number: \_\_\_\_\_ Expiration Date: 4/11/2015

#### 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.

Operator must meet water well testing requirements per Rule 318A.

- 1) Provide 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage of intermediate casing to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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
400391484	FORM 2 SUBMITTED
400391485	30 DAY NOTICE LETTER
400391487	EXCEPTION LOC REQUEST
400391488	EXCEPTION LOC WAIVERS
400391489	WELL LOCATION PLAT
400391490	DEVIATED DRILLING PLAN
400391491	DIRECTIONAL DATA
400391636	OFFSET WELL EVALUATION
400393866	PROPOSED SPACING UNIT

Total Attach: 9 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	State land board ok with location and bond. Final Review Completed. No LGD or public comment received.	4/11/2013 10:13:55 AM
Engineer	No existing wells within 500' of proposed directional.	4/9/2013 3:26:00 PM
Permit	Per operator corrected mineral lease description.	3/28/2013 11:05:34 AM
Permit	Operator requests approval of a Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Request and Waiver attached.	3/27/2013 8:22:44 AM
Permit	Requested updated lease description. Notified state land board. Initial review complete.	3/27/2013 8:22:42 AM
Permit	Operator made correction. This form has passed completeness.	3/21/2013 11:15:02 AM
Permit	30 Day cert letter does not match the Proposed Spacing unit map.	3/20/2013 12:45:51 PM

Total: 7 comment(s)

### **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>

Total: 0 comment(s)