

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:

400383007

Date Received:

04/19/2013

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: Wells Ranch AA Well Number: 21-65-1HN

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

9. Proposed Total Measured Depth: 10868

## WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 21 Twp: 6N Rng: 63W Meridian: 6

Latitude: 40.467890 Longitude: -104.434120

Footage at Surface: 1100 feet FNL/FSL 521 feet FEL/FWL  
 FSL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4730 13. County: WELD

## 14. GPS Data:

Date of Measurement: 10/19/2012 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  
 2312 FSL 879 FEL 2310 FSL 535 FWL  
 Sec: 21 Twp: 6N Rng: 63W Sec: 21 Twp: 6N 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: 4148 ft

18. Distance to nearest property line: 521 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 340 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):

E2, W2 (except for a small portion in the NW/4) in section 21 T6N R63W 6th PM. Horizontal wellbore crosses multiple lease lines within drilling and spacing unit. Distance to mineral lease line is 0'. Distance to unit boundary is 535'.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 628

### 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	890	410	890	0
1ST	8+3/4	7	26	0	7,090	480	7,090	0
1ST LINER	6+1/8	4+1/2	11.6	6940	10,868			

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 = N/2S/2 & S/2N/2 Sec. 21 T6N R63W, 320 acres. Wellhead is to be located outside of a GWA drilling window. Noble requests an exception location to 318Aa, 318Ac, 318Am. Exception requests and waivers attached. Distance to nearest wellbore measured to Wells Ranch AA21-09 by Noble engineer.

34. Location ID: 310685

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: 4/19/2013

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: 6/26/2013

#### API NUMBER

05 123 37599 00

Permit Number: \_\_\_\_\_ Expiration Date: 6/25/2015

#### 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) Provide 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage 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.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

### **Attachment Check List**

Att Doc Num	Name
400383007	FORM 2 SUBMITTED
400383896	30 DAY NOTICE LETTER
400383899	EXCEPTION LOC WAIVERS
400383901	WELL LOCATION PLAT
400392399	DEVIATED DRILLING PLAN
400392400	DIRECTIONAL DATA
400404923	EXCEPTION LOC REQUEST
400404927	PROPOSED SPACING UNIT
400406675	OFFSET WELL EVALUATION
400406676	VARIANCE REQUEST

Total Attach: 10 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
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.	6/26/2013 3:55:34 PM
Permit	Final Review Completed. No LGD or public comment received.	6/25/2013 1:42:39 PM
Permit	Per operator added the anti-collision & Bradenhead BMP's & change distance to nearest well from 86' to 340'. ok to pass.	6/25/2013 1:31:34 PM
Permit	Operator requesting review of applications. w/o 2A. confirmation of mineral ownership.	6/20/2013 12:01:00 PM
Engineer	Evaluated any existing wells within 500' of proposed directional.	5/2/2013 12:29:53 PM
Permit	Requested review of the distance to the nearest well (BHL). Looks to be closer to 386' than 86'.	4/30/2013 10:53:50 AM
Permit	This form has passed completeness.	4/22/2013 10:29:12 AM

Total: 7 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	Operator will comply with COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. (attached)
Drilling/Completion Operations	Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.

Total: 2 comment(s)