

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:

400325527

Date Received:

11/20/2012

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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286

Email: mclark@nobleenergyinc.com

7. Well Name: LUCCI B Well Number: 03-69HNL

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

9. Proposed Total Measured Depth: 16858

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 1 Twp: 5N Rng: 64W Meridian: 6

Latitude: 40.434640 Longitude: -104.505640

Footage at Surface: 376 feet FNL/FSL 612 feet FEL/FWL  
FNL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4617 13. County: WELD

14. GPS Data:

Date of Measurement: 04/02/2012 PDOP Reading: 1.6 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  
76 FSL 155 FEL 75 FSL 535 FWL  
Sec: 35 Twp: 6N Rng: 64W Sec: 34 Twp: 6N 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: 326 ft

18. Distance to nearest property line: 376 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 236 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           |                         | 717                           | GWA                                  |

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):

see attached. This well will produce from fee and state leases.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 560

### 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         |       | 0             | 100           | 6         | 100     | 0       |
| SURF        | 13+3/4       | 9+5/8          | 36    | 0             | 550           | 270       | 550     | 0       |
| 1ST         | 8+3/4        | 7+0/0          | 26    | 0             | 6,986         | 470       | 6,986   |         |
| 1ST LINER   | 6+1/8        | 4+1/2          | 11.6  | 6836          | 16,858        |           |         |         |

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

33. Comments Both fee & State are minerals owners. Please see lease description for State designation. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. HORIZONTAL WELLBORE WILL PRODUCE FROM MULTIPLE LEASES. SEE # 24 LEASE DESC. FOR UNIT CONFIGURATION PLEASE SEE ATTACHED UNIT DESCRIPTION. WELL IS TO BE TWINNED WITH EXISTING LUCCI B01-99HZ & PROPOSED LUCCI B01-69HNL CREATING A 3 WELL PAD. PRODUCTION FACILITIES WILL BE LOCATED ON THE SAME LOCATION AND DEDICATED TO THE WELL LOCATION BEING PERMITTED. THE CLOSEST WELL PRODUCTION ZONE TO PRODUCTION ZONE MEASURED WAS THE SCHOLFIELD STATE A36-79HN. NW/4NW/4 of Section 1, and the N/2N/2 of Section 2, and the N/2N/2 of Section 3, in T5N, R64W, and the S/2S/2 of Section 34, and the S/2S/2 of Section 35 and the SW/4SW/4 of Section 36

34. Location ID: 418341

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: MARI CLARK

Title: REGULATORY ANALYST II Date: 11/20/2012 Email: mclark@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: 1/4/2013

#### API NUMBER

05 123 36534 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/3/2015

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 notice of MIRU via an electronic Form 42.
- 2) Comply with Rule 317.i and provide cement coverage from the 7" casing TD to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.

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

### **Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

| Att Doc Num | Name                    |
|-------------|-------------------------|
| 2233172     | PROPOSED SPACING UNIT   |
| 2233174     | WELL LOCATION PLAT      |
| 2481941     | SURFACE CASING CHECK    |
| 400325527   | FORM 2 SUBMITTED        |
| 400333620   | DIRECTIONAL DATA        |
| 400348483   | 30 DAY NOTICE LETTER    |
| 400348484   | DEVIATED DRILLING PLAN  |
| 400348485   | LEGAL/LEASE DESCRIPTION |
| 400348507   | OTHER                   |

Total Attach: 9 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b>   | <b><u>Comment Date</u></b> |
|--------------------------|---|----------------------------|
| Permit                   | Final Review Completed. No LGD or public comment received.  | 1/2/2013 3:51:35 PM        |
| Permit                   | State land board ok with location and bond.   | 1/2/2013 2:08:21 PM        |
| Permit                   | Per operator corrected distance to nearest wellbore and attached updated well location plat.  | 12/11/2012 6:42:34 AM      |
| Permit                   | Per operator corrected surface and minerals and attached new proposed spacing unit.   | 12/10/2012 3:21:30 PM      |
| Permit                   | Horizontal well crosses lease lines within GWA horizontal wellbore unit; distance to lease line is 0'; distance to unit boundary is 535'.   | 12/10/2012 12:18:17 PM     |
| Permit                   | The attached well location plat does not contain enough information about section 2. Requested surface and minerals information, distance to nearest wellbore, and proposed spacing unit attachment. Notified state land board. | 12/10/2012 12:01:00 PM     |
| Engineer                 | Evaluated offset wells for adequate cement coverage.  | 11/26/2012 9:54:36 AM      |

Total: 7 comment(s)

## BMP

| <u>Type</u>                            | <u>Comment</u>  |
|--|---|
| Storm Water/Erosion Control            | Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public and Environment (CDPHE) General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.   |
| Drilling/Completion Operations         | <p>Anti-collision:<br/>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.</p> <p>During and Post stimulation:<br/>Noble Energy will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated 5/29/12</p> |
| Material Handling and Spill Prevention | Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.  |
| General Housekeeping                   | Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.   |

Total: 4 comment(s)