

FORM  
2

Rev  
12/05

# State of Colorado

## Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



|                                   |    |    |    |
|-----------------------------------|----|----|----|
| DE                                | ET | OE | ES |
| Document Number:<br>400201368     |    |    |    |
| PluggingBond SuretyID<br>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: SUSAN MILLER Phone: (303)228-4246 Fax: (303)228-4286  
Email: smiller@nobleenergyinc.com  
7. Well Name: STATE Well Number: Y16-18D  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 7877

### WELL LOCATION INFORMATION

10. QtrQtr: SWNE Sec: 16 Twp: 2N Rng: 64W Meridian: 6  
Latitude: 40.142020 Longitude: -104.552280

Footage at Surface: 1351 feet FNL/FSL FNL 1479 feet FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750  
12. Ground Elevation: 4927 13. County: WELD

#### 14. GPS Data:

Date of Measurement: 08/09/2011 PDOP Reading: 1.9 Instrument Operator's Name: Brian Brinkman

15. If well is ☒ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1320 FNL 2565 FWL 1320 FNL 2565 FWL  
Bottom Hole: FNL/FSL 1320 FNL 2565 FWL  
Sec: 16 Twp: 2N Rng: 64W Sec: 16 Twp: 2N 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: 1350 ft

18. Distance to nearest property line: 1351 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 2108 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| Codell                 | CODL           | 407-87                  | 160                           | GWA                                  |
| J Sand                 | JSND           | 232-23                  | 160                           | GWA                                  |
| Niobrara               | NBRR           | 407-87                  | 160                           | GWA                                  |

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 70-7879  
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):  
T2N-R64W Section 16: All.

25. Distance to Nearest Mineral Lease Line: 1320 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: CLOSED LOOP

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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| SURF        | 12+1/4       | 8+5/8          | 24    | 0             | 800           | 330       | 800     | 0       |
| 1ST         | 7+7/8        | 4+1/2          | 11.6  | 0             | 7,877         | 550       | 7,877   |         |

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

33. Comments Conductor casing will not be used. First string top of cement will be 200' above the Niobrara formation. This is part of a 6-well, multi-well pad which includes the State Y16-18D, State Y16-02D, State Y16-07D, State Y16-08D, State Y16-01D and State Y15-31D. Twinning existing State #1 well. As-built GPS Sundry notice submitted for this existing straight hole well. See 2A doc. no. 400201070 which covers all 6 locations. Unit Configuration: E/2NW/4, W/2NE/4.

34. Location ID: 317671

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: SUSAN MILLER

Title: Regulatory Analyst II Date: \_\_\_\_\_ Email: smiller@nobleenergyinc.com

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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

**API NUMBER**

05

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

**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.**

### **Attachment Check List**

| Att Doc Num | Name                   |
|-------------|------------------------|
| 400201407   | 30 DAY NOTICE LETTER   |
| 400216946   | WELL LOCATION PLAT     |
| 400216947   | DEVIATED DRILLING PLAN |
| 400216949   | PROPOSED SPACING UNIT  |
| 400227139   | PROPOSED SPACING UNIT  |
| 400227140   | PROPOSED SPACING UNIT  |

Total Attach: 6 Files

### **General Comments**

| <b><u>User Group</u></b> | <b><u>Comment</u></b> | <b><u>Comment Date</u></b> |
|--------------------------|-----------------------|----------------------------|
|                          |                       |                            |

Total: 0 comment(s)

### **BMP**

| <b><u>Type</u></b>                     | <b><u>Comment</u></b>   |
|--|---|
| 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 Health and Environment (CDPHE) and 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.   |
| General Housekeeping                   | General 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 pick up trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly. |
| 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.  |

Total: 3 comment(s)