

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: 400136730 | | | |
| 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: SUSAN MILLER Phone: (303)228-4246 Fax: (303)228-4286
Email: smiller@nobleenergyinc.com
7. Well Name: OREDIGGER Well Number: C10-69HN
8. Unit Name (if appl): _____ Unit Number: _____
9. Proposed Total Measured Depth: 11210

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 4 Twp: 4N Rng: 64W Meridian: 6
Latitude: 40.334910 Longitude: -104.546950

Footage at Surface: 300 feet FNL/FSL 260 feet FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750
12. Ground Elevation: 4686 13. County: WELD

14. GPS Data:

Date of Measurement: 01/27/2011 PDOP Reading: 1.7 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 FNL/FWL Bottom Hole: FNL/FSL FEL/FWL
79 FNL 534 FWL 75 FSL 535 FEL
Sec: 10 Twp: 4N Rng: 64W Sec: 3 Twp: 4N 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: 254 ft

18. Distance to nearest property line: 260 ft 19. Distance to nearest well permitted/completed in the same formation: 259 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 | 407-87 | 320 | 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):

Please see attached mineral lease map. Noble Energy Inc certifies that the leases shall be committed to the unit.

25. Distance to Nearest Mineral Lease Line: 534 ft 26. Total Acres in Lease: 1920

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 | 13+3/4 | 9+5/8 | 36 | 0 | 600 | 321 | 600 | 0 |
| 1ST | 8+3/4 | 7 | 26 | 0 | 6,991 | 652 | 6,991 | |
| 1ST LINER | 6+1/8 | 4+1/2 | 11.6 | 5779 | 11,210 | | | |

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

33. Comments First string top of cement will be 200' above the Niobrara formation. The production Liner will be hung off inside of 7" casing. Unit Configuration: Sec 3: S/2S/2, Sec 10: N/2N/2. Noble requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waiver 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: SUSAN MILLER

Title: Regulatory Analyst II Date: 6/24/2011 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: David S. Nesline Director of COGCC Date: 8/14/2011

API NUMBER

05 123 34134 00

Permit Number: _____ Expiration Date: 8/13/2013

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 24 hour notice of MIRU to Bo Brown via e-mail at bo.brown@state.co.us.

2)Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with cement bond log.

3)Comply with Rule 321. Run and submit Directional Survey from the end of production casing to base of surface casing. Ensure that the wellbore complies with setback requirements in commission orders or rules prior to producing the well.

During the fracing of a horizontal well, the operator is to monitor the casing and bradenhead pressures of the all existing wells within 500 feet for a period of 24-hours and report this casing pressure to the COGCC staff via a sundry.

Attachment Check List

| Att Doc Num | Name |
|-------------|------------------------|
| 2567909 | SURFACE CASING CHECK |
| 400136730 | FORM 2 SUBMITTED |
| 400136731 | 30 DAY NOTICE LETTER |
| 400136732 | EXCEPTION LOC WAIVERS |
| 400142152 | WELL LOCATION PLAT |
| 400142190 | EXCEPTION LOC REQUEST |
| 400142521 | PROPOSED SPACING UNIT |
| 400142522 | PROPOSED SPACING UNIT |
| 400143081 | DEVIATED DRILLING PLAN |
| 400178587 | PROPOSED SPACING UNIT |
| 400178589 | MINERAL LEASE MAP |
| 400178590 | SURFACE AGRMT/SURETY |

Total Attach: 12 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| Permit | On hold pending well protection for wells in near proximity. | 7/28/2011 9:46:24 PM |
| Permit | Operator revised distance to existing well to 259 feet. | 7/20/2011 12:38:05 PM |
| Permit | On hold - lateral comes within 250 feet not 750 feet from another well. | 7/20/2011 8:10:10 AM |

Total: 3 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|--|---|
| 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. |
| 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. |
| Drilling/Completion Operations | Noble will shut in the surroundings wells and monitor pressures several days prior to stimulation operations. Prior to drilling operations, Noble will Gyro all offset wells to verify bottom hole locations for anti-collision purposes. |

Total: 4 comment(s)