

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

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COALBED ☐ OTHER _____
SINGLE ZONE ☐ MULTIPLE ZONE ☒ COMMINGLE ZONE ☐Refiling ☐Sidetrack ☐

Document Number:

400027118

Plugging Bond Surety

20030009

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: MOSIER Well Number: K23-20D

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

9. Proposed Total Measured Depth: 7980

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 23 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.296770 Longitude: -104.745090

Footage at Surface: 2409 FNL/FSL 2479 FEL/FWL
FSL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4726 13. County: WELD

14. GPS Data:

Date of Measurement: 09/23/2009 PDOP Reading: 1.2 Instrument Operator's Name: STEVEN A. LUND

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
2572 FSL 1500 FWL 2572 FSL 1500 FWL
Sec: 23 Twp: 4N Rng: 66W Sec: 23 Twp: 4N Rng: 66W16. Is location in a high density area? (Rule 603b)? ☐ Yes ☒ No

17. Distance to the nearest building, public road, above ground utility or railroad: 120 ft

18. Distance to nearest property line: 128 ft 19. Distance to nearest well permitted/completed in the same formation: 696 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 | SEE COMMENTS |
| J SAND | JSND | 232-23 | 160 | SEE COMMENTS |
| NIOBRARA | NBRR | 407-87 | 160 | SEE COMMENTS |

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 Bon ☐ \$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):
 Township 4 North-Range 66 West, Section 23 SW/4: except a 2.57 acre tract in the NW corner, beginning at the NW corner of the SW/4 of Section 23, thence south 236', thence east to the north line of Section 23 474', thence north 236', thence west 474' to the point of beginning.

25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 158

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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal: ☒ Offsite ☐ Onsite

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 | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bottom | Cement Top |
|-------------|--------------|----------------|-----------------|---------------|--------------|---------------|------------|
| SURF | 12+1/4 | 8+5/8 | 24 | 550 | 236 | 550 | 0 |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 7,980 | 766 | 7,980 | |

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

33. Comments No conductor casing will be used. 1st string top of cement will be 200' above the Niobrara formation. This well is part of a 6-well multi-well pad. Operator requests approval of Rule 603.a.(2) exception location for well location 128' from nearest property line, request letter and signed waiver attached. Niobrara, Codell, J Sand unit configuration: S/2NW4, N/2SW/4.

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: _____ 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: _____

Permit Number: _____ Expiration Date: _____

API NUMBER

05

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 | Doc Description |
|-------------|------------------------|----------------------------|
| 400057029 | 30 DAY NOTICE LETTER | 30 day notice.pdf |
| 400057037 | DEVIATED DRILLING PLAN | Dir Plan.pdf |
| 400057039 | WELL LOCATION PLAT | Loc Plat.pdf |
| 400057042 | PROPOSED SPACING UNIT | 20 day Certification.pdf |
| 400057043 | PROPOSED SPACING UNIT | 20 Day Request Ltr.pdf |
| 400057048 | EXCEPTION LOC REQUEST | Aa, Ae, Ac request ltr.pdf |
| 400057062 | EXCEPTION LOC WAIVERS | Aa, Ae, Ac Waiver.pdf |
| 400057063 | EXCEPTION LOC REQUEST | Prop Line Request ltr.pdf |
| 400057068 | EXCEPTION LOC WAIVERS | Prop Line Waiver.pdf |
| 400057095 | PROPOSED SPACING UNIT | Spacing Unit Maps.pdf |

Total Attach: 10 Files