

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



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| DE | ET | OE | ES |
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Document Number:

400003871

Plugging Bond Surety

20030009

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 ☐

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: KATE SHIRLEY Phone: (303)228-4449 Fax: (303)228-4280

Email: kshirley@nobleenergyinc.com

7. Well Name: Horse Iron P Well Number: 22-33D

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

9. Proposed Total Measured Depth: 7963

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 21 Twp: 3N Rng: 67W Meridian: 6

Latitude: 40.211670 Longitude: -104.889640

Footage at Surface: 2492 FNL/FSL FNL 1013 FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4790 13. County: WELD

14. GPS Data:

Date of Measurement: 03/05/2009 PDOP Reading: 2.3 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 1516 FSL 132 FEL FEL Bottom Hole: FNL/FSL 1516 FSL 132 FEL FEL
Sec: 21 Twp: 3N Rng: 67W Sec: 21 Twp: 3N Rng: 67W

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: 400 ft

18. Distance to nearest property line: 210 ft 19. Distance to nearest well permitted/completed in the same formation: 856 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 #: _____

22. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

23. Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No Surface Surety ID#: 20030012

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):
See attached description.

25. Distance to Nearest Mineral Lease Line: 132 ft 26. Total Acres in Lease: 211

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 | 500 | 208 | 500 | 0 |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 7,963 | 512 | 7,963 | |

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

33. Comments The production casing cement top will be 200' above the Niobrara. The Unit configuration for the Codell, Niobrara, and the J-Sand is Section 21: E/2SE/4 and Section 22:W/2SW/4. Pad well information: Horse Iron P21-21D, Horse Iron P22-32D, Horse Iron P21-27D, Horse Iron P22-31D. No conductor casing will be used.

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: KATE SHIRLEY

Title: Regulatory Specialist Date: 9/21/2009 Email: kshirley@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. Neslin Director of COGCC Date: 12/22/2009

API NUMBER

05 123 30956 00

Permit Number: _____ Expiration Date: 12/21/2011

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 Jim Precup at 303-469-1902 or e-mail at james.precup@state.co.us 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log. 3) Comply with Rule 321. 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.

Location is outside of GWA window and is not twinning existing well exception has been granted

Attachment Check List

| Att Doc Num | Name | Doc Description |
|-------------|-------------------------|----------------------|
| 1760250 | MINERAL LEASE MAP | LF@2200737 1760250 |
| 1769592 | SURFACE CASING CHECK | LF@2166616 1769592 |
| 400006023 | WELL LOCATION PLAT | LF@2158293 400006023 |
| 400006024 | LEGAL/LEASE DESCRIPTION | LF@2158294 400006024 |
| 400006025 | 30 DAY NOTICE LETTER | LF@2158295 400006025 |
| 400006026 | DEVIATED DRILLING PLAN | LF@2158296 400006026 |
| 400006028 | PROPOSED SPACING UNIT | LF@2158297 400006028 |
| 400006029 | EXCEPTION LOC WAIVERS | LF@2158298 400006029 |

Total Attach: 8 Files