

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:

1904500

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: MARICLARK Phone: (303)228-4413 Fax: (303)228-4286

Email: MCLARK@NOBLEENERGYINC.COM

7. Well Name: PALMER X Well Number: 20-20

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

9. Proposed Total Measured Depth: 7950

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 20 Twp: 2N Rng: 65W Meridian: 6

Latitude: 40.124400 Longitude: -104.691910

Footage at Surface: 2551 FNL/FSL FNL 1525 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4940 13. County: WELD

14. GPS Data:

Date of Measurement: 03/31/2009 PDOP Reading: 1.7 Instrument Operator's Name: STEVE 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 _____

Sec: _____ Twp: _____ Rng: _____ Sec: _____ Twp: _____ Rng: _____

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

18. Distance to nearest property line: 1126 19. Distance to nearest well permitted/completed in the same formation: 758

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 | 320 | 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#: _____

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):
T2N R65W, SEC 20: W/2

25. Distance to Nearest Mineral Lease Line: _____ 1126 _____ 26. Total Acres in Lease: _____ 320 _____

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 | 910 | 320 | 910 | 0 |
| 1ST | 7+7/8 | 4+1/2 | 11.6 | 7,950 | 510 | 7,950 | |

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

33. Comments 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: Y _____ Print Name: MARI CLARK _____

Title: REGULATORY ANALYST II Date: 5/29/2009 Email: MCLARK@NOBLEENERGYIN

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: 9/11/2009

API NUMBER

05 123 30604 00

Permit Number: 20092602 Expiration Date: 9/10/2010

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

Comment

Agency

1) PROVIDE 24 HOUR NOTICE OF MIRU TO JIM PRECUP AT 303-469-1902 OR E-MAIL AT JAMES.PRECUP@STATE.CO.US 2) SET AT LEAST 910' OF SURFACE CASING PER RULE 317A, CEMENT TO SURFACE. 3) COMPLY WITH RULE 317.I AND PROVIDE CEMENT COVERAGE FROM TD TO A MINIMUM OF 200' ABOVE NIOBRARA. VERIFY COVERAGE WITH CEMENT BOND LOG.

1) PROVIDE 24 HOUR NOTICE OF MIRU TO JIM PRECUP AT 303-469-1902 OR E-MAIL AT JAMES.PRECUP@STATE.CO.US 2) SET AT LEAST 910' OF SURFACE CASING PER RULE 317A, CEMENT TO SURFACE. 3) COMPLY WITH RULE 317.I AND PROVIDE CEMENT COVERAGE FROM TD TO A MINIMUM OF 200' ABOVE NIOBRARA. VERIFY COVERAGE WITH CEMENT BOND LOG.

Attachment Check List

| Att Doc Num | Name | Doc Description |
|-------------|-----------------------|----------------------|
| 1408918 | REFERENCE AREA MAP | LF@2061033 1408918 |
| 1691641 | PROPOSED SPACING UNIT | LF@2060966 1691641 |
| 1904500 | APD APPROVED | 1904500.pdf |
| 1904501 | WELL LOCATION PLAT | LF@2060962 1904501 |
| 1904505 | SURFACE AGRMT/SURETY | LF@2060963 1904505 |
| 1904506 | 30 DAY NOTICE LETTER | LF@2060964 1904506 |
| 1904515 | EXCEPTION LOC REQUEST | LF@2060965 1904515 |
| 400006963 | APD ORIG & 1 COPY | LF@2060961 400006963 |

Total Attach: 8 Files