

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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Document Number:

1758813

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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286

Email: MCLARK@NOBLEENERGYINC.COM

7. Well Name: LARKRIDGE MA Well Number: 03-16D

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

9. Proposed Total Measured Depth: 8399

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 3 Twp: 1S Rng: 68W Meridian: 6

Latitude: 39.992373 Longitude: -104.979461

Footage at Surface: 2116 FNL/FSL FSL 337 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 5167 13. County: ADAMS

14. GPS Data:

Date of Measurement: 11/19/2008 PDOP Reading: 1.9 Instrument Operator's Name: JOHN C. BARICKMAN

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

Footage at Top of Prod Zone: FNL/FSL 700 FSL 770 FEL 770 FEL 770 FEL 770 FEL 770
Sec: 3 Twp: 1S Rng: 68W Sec: 3 Twp: 1S Rng: 68W

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: 38 ft 19. Distance to nearest well permitted/completed in the same formation: 1458 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	467-9	160	SE/4
NIOBRARA	NBRR	467-9	160	SE/4

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):
T1S, R68W SEC 3: SE/4

25. Distance to Nearest Mineral Lease Line: 700 ft 26. Total Acres in Lease: 160

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	1,140	469	1,140	0
1ST	7+7/8	4+1/2	11.6	8,399	828	8,399	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. THIS WOULD BE A MULTI-WELL PAD CONSISTING OF: LARKRIDGE MA 03-09. LARKRIDGE MA03-10D. LARKRIDGE MA03-15D. LARKRIDGE MA03-16D & LARKRIDGE MA03-23D

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: MARI CLARK

Title: REG ANALYST II Date: 8/28/2009 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. Nashin Director of COGCC Date: 11/17/2009

API NUMBER

05 001 09713 00

Permit Number: _____ Expiration Date: 11/16/2011

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.

As this well lies within 1000' of a building or dwelling space, this well site and all required production facilities will need to be fenced with appropriate security fencing.

1) Provide 24 hr notice of spud to Jim Precup at 303-469-1902 or e-mail at jim.precup@state.co.us. 2) Per Rule 317d, surface casing shall be cemented to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below to 200' above Sussex. Verify coverage with cement bond log. 4) 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.

Attachment Check List

Att Doc Num	Name	Doc Description
1758814	WELL LOCATION PLAT	LF@2135122 1758814
1758815	30 DAY NOTICE LETTER	LF@2135124 1758815
1758816	DEVIATED DRILLING PLAN	LF@2135126 1758816
1758817	EXCEPTION LOC REQUEST	LF@2135128 1758817
1758818	EXCEPTION LOC WAIVERS	LF@2135130 1758818
1758819	EXCEPTION LOC WAIVERS	LF@2135132 1758819
1940577	SURFACE CASING CHECK	LF@2142739 1940577
400018488	APD ORIGINAL	LF@2135120 400018488

Total Attach: 8 Files