

FORM
2

Rev
12/05

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400398587

Date Received:

04/29/2013

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: Liz Lindow Phone: (303)228-4342 Fax: (303)228-4286

Email: llindow@nobleenergyinc.com

7. Well Name: Castor Federal LD Well Number: 15-74HN

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

9. Proposed Total Measured Depth: 9978

WELL LOCATION INFORMATION

10. QtrQtr: NWNE Sec: 15 Twp: 9N Rng: 58W Meridian: 6

Latitude: 40.757130 Longitude: -103.848760

Footage at Surface: 556 feet FNL/FSL 2210 feet FEL/FWL
FNL FEL

11. Field Name: Wildcat Field Number: 99999

12. Ground Elevation: 4707 13. County: WELD

14. GPS Data:

Date of Measurement: 12/11/2012 PDOP Reading: 1.9 Instrument Operator's Name: Brian Rottinghaus

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
729 FNL 1980 FEL 660 FSL 1980 FEL
Sec: 15 Twp: 9N Rng: 58W Sec: 15 Twp: 9N Rng: 58W

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: 2208 ft

18. Distance to nearest property line: 430 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 330 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	535-300	640	All

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):

NW/4NE/4, E/2NE/4, Sec 15 T9N R58W, and other lands: horizontal wellbore crosses multiple lease lines within drilling and spacing unit; distance to mineral lease line is 0', distance to unit boundary is 660'.

25. Distance to Nearest Mineral Lease Line: 0 ft

26. Total Acres in Lease: 1200

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: _____

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
CONDUCTOR	18+1/2	16	0	0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	1,150	520	1,150	0
1ST	8+3/4	7	26	0	6,055	520	6,055	0
1ST LINER	6+1/8	4+1/2	11.6	5905	9,978			

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING.

34. Location ID: 423364

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: Liz Lindow

Title: Regulatory Analyst

Date: 4/29/2013

Email: llindow@nobleenergyinc.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: 5/28/2013

API NUMBER

05 123 37486 00

Permit Number: _____

Expiration Date: 5/27/2015

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 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

Att Doc Num	Name
400398587	FORM 2 SUBMITTED
400398835	30 DAY NOTICE LETTER
400406211	DEVIATED DRILLING PLAN
400406213	DIRECTIONAL DATA
400409819	SURFACE AGRMT/SURETY
400410834	OFFSET WELL EVALUATION
400412869	WELL LOCATION PLAT

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed. No LGD or public comment received.	5/28/2013 7:34:48 AM
Permit	Per operator corrected distance to nearest utility and road 106.5 to the North of the well pad on the COGCC map is privately owned.	5/22/2013 5:58:33 AM
Permit	Requested information on road to the North. Initial review complete.	5/20/2013 12:31:25 PM
Engineer	Operator acknowledges the proximity of the Bradbury #1, (123-07367) well. Operator agrees to re-enter and re-plug the referenced well (per the Horizontal Offset Policy – Draft) to mitigate the situation, ensure all applicable documentation is submitted based on the selected mitigation option chosen, and submit a Form 42 (“OTHER – AS SPECIFIED BY PERMIT CONDITION”) stating what appropriate mitigation occurred and that it has been completed, prior to the hydraulic fracture treatment of this well.	5/10/2013 8:43:43 AM
Engineer	Evaluated any existing wells within 500' of proposed directional.	5/10/2013 8:43:34 AM
Permit	passed for completeness.	5/3/2013 12:16:53 PM
Permit	Returned to draft. Plat still does not match footages.	5/1/2013 9:53:48 AM
Permit	Returned to draft. Plat does not match SHL footages and order number is incorrect.	4/30/2013 6:45:19 AM

Total: 8 comment(s)

BMP

<u>Type</u>	<u>Comment</u>