

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



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Date Received:

05/30/2013

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: JAN KAJIWARA Phone: (303)228-4092 Fax: (303)228-4286

Email: jkajiwara@nobleenergyinc.com

7. Well Name: BADGER FEDERAL LF Well Number: 03-64HN

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

9. Proposed Total Measured Depth: 10607

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 4 Twp: 8N Rng: 60W Meridian: 6

Latitude: 40.689760 Longitude: -104.086960

Footage at Surface: 2030 feet FNL/FSL 260 feet FEL/FWL
FSL FEL

11. Field Name: WILDCAT Field Number: 99999

12. Ground Elevation: 4912 13. County: WELD

14. GPS Data:

Date of Measurement: 04/26/2011 PDOP Reading: 2.1 Instrument Operator's Name: MARK A HALL

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
2025 FSL 670 FWL 2000 FSL 675 FEL
Sec: 3 Twp: 8N Rng: 60W Sec: 3 Twp: 8N Rng: 60W

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: 245 ft

18. Distance to nearest property line: 230 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1579 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	535-3	640	ALL

21. Mineral Ownership: ☐ Fee ☐ State ☒ Federal ☐ Indian Lease #: C0C-073402

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):

SEE ATTACHED

25. Distance to Nearest Mineral Lease Line: 649 ft

26. Total Acres in Lease: 2534

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: CLOSED LOOP

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	0	0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	770	260	770	
1ST	8+3/4	7	26	0	6,646	612	6,646	
1ST LINER	6+1/8	4+1/2	11.6	5434	10,607			

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

33. Comments BLM PERMIT APPROVED 12/16/12. DIFFERENCE BETWEEN FIRST FILING AND THIS PERMIT: ADDED THE OFFSET WELL EVALUATION (WASN'T NECESSARY IN ORIGINAL FILING). #19 THE DISTANCE TO THE NEARESTWELL = 1579. NEAREST WELL PERMITTED/COMPLETED IN SAME FORMATION IS THE BADGER FEDERAL LF04-64HN LOCATED APPROX. 1579' (THIS ALSO WAS NOT NECESSARY IN ORIGINAL FILING)

34. Location ID: 425138

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: JAN KAJIWARA

Title: REGULATORY ANALYST Date: 5/30/2013 Email: jkajiwara@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: Matthew Lee Director of COGCC Date: 7/23/2013

API NUMBER

05 123 34384 00

Permit Number: _____ Expiration Date: 7/22/2015

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
2234020	EXCEPTION LOC WAIVERS
2234021	EXCEPTION LOC REQUEST
400414999	FORM 2 SUBMITTED
400415048	PLAT
400415049	DEVIATED DRILLING PLAN
400426098	OFFSET WELL EVALUATION
400426099	30 DAY NOTICE LETTER
400426118	LEGAL/LEASE DESCRIPTION
400426121	DIRECTIONAL DATA

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Per operator attached exception location request and waiver. Final Review Completed. No LGD or public comment received.	7/22/2013 9:49:24 AM
Permit	Operator requests approval of an exception location to order 535-3: Wellhead is to be located in a different section then production. Request and Waiver attached.	7/22/2013 9:49:17 AM
Permit	On Hold. Requested exception location letter for order 535-3.	7/9/2013 7:36:23 AM
Engineer	No existing wells within 500' of proposed directional.	6/27/2013 2:16:52 PM
Permit	Corrected field name. Initial review complete.	6/10/2013 7:54:13 AM
Permit	Returned to draft: Needs statement that either the permit hasn't changed since the first filing or statement listing the changes that have occurred.	5/31/2013 8:43:20 AM

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR-038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.
Material Handling and Spill Prevention	Spill prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.

Total: 3 comment(s)