

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:

400380430

Date Received:

04/08/2013

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: Justin Garrett Phone: (303)228-4449 Fax: (303)228-4286

Email: JGGarrett@nobleenergyinc.com

7. Well Name: Wolfpack Well Number: B02-62-1HN

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

9. Proposed Total Measured Depth: 10971

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 2 Twp: 5N Rng: 64W Meridian: 6

Latitude: 40.424910 Longitude: -104.526360

Footage at Surface: 1395 feet FSL 169 feet FWL

11. Field Name: Kersey Field Number: 44600

12. Ground Elevation: 4615 13. County: WELD

14. GPS Data:

Date of Measurement: 02/29/2012 PDOP Reading: 1.9 Instrument Operator's Name: Adam Kelly

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 \_\_\_\_\_  
330 FSL 725 FWL 330 FSL 650 FEL  
Sec: 2 Twp: 5N Rng: 64W Sec: 2 Twp: 5N Rng: 64W

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: 1097 ft

18. Distance to nearest property line: 169 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 185 ft

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		320	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 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):

T5N-R64W Sec 2: E/2E/2. Wellbore will produce from multiple leases. Horizontal well crosses lease line within GWA horizontal wellbore unit; distance to lease line is 0 feet; distance to nearest unit boundary is 660 feet.

25. Distance to Nearest Mineral Lease Line: 0 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 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	550	270	550	0
1ST	8+3/4	7+0/0	26	0	7,086	480	7,086	
1ST LINER	6+1/8	4+1/2	11.6	6936	10,971			

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

33. Comments 1st string top of cement is 200' above Niobrara. The production liner will be hung off inside 7" casing. Well is part of a eight-well pad consisting of the proposed Lonewolf B02-65HC (Doc #400380428), Wolfpack B02-66-1HN (Doc #400380435), Wolfpack B02-65HN (Doc #400380434), & Wolfpack B02-65-1HN (Doc #400380433) on the North end of the pad, and the proposed Wolfpack B02-62-1HN (Doc #400380430), Wolfpack B02-63-1HN (Doc #400380431), Wolfpack PC B03-63-1HN (Doc #400380436), & Wolfpack B02-64-1HN (Doc #400380432) on the South end of the pad. The production facilities for the proposed pad will be added to existing equipment 900' SE of the South end of the pad site (Doc #400380440). Noble Energy Inc. requests approval of Rule 318A.a Surface location outside window; 318A.c Twinning location exception, request letter and signed waiver are attached. Question 19 nearest well is Bucklen 1-2 (05-123-12339). Unit Configuration = Sec 2: S/2S/2; Sec 11: N/2N/2.

34. Location ID: 332123

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: Justin Garrett

Title: Regulatory Analyst Date: 4/8/2013 Email: JDGarrett@nobleenergyinc.co

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: 5/15/2013

Permit Number: \_\_\_\_\_ Expiration Date: 5/14/2015

**API NUMBER**  
05 123 37327 00

**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.

Evaluated any existing wells within 500' of proposed directional.

### Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

### Attachment Check List

Att Doc Num	Name
400380430	FORM 2 SUBMITTED
400401091	DIRECTIONAL DATA
400401099	30 DAY NOTICE LETTER
400401103	PLAT
400401104	DEVIATED DRILLING PLAN
400401105	OFFSET WELL EVALUATION
400401107	SURFACE AGRMT/SURETY
400401109	EXCEPTION LOC REQUEST
400401110	EXCEPTION LOC WAIVERS
400401111	PROPOSED SPACING UNIT

Total Attach: 10 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. No LGD or public comments.	5/15/2013 1:51:06 PM
Permit	Changes to the Distance to the nearest building, public road, above ground utility or railroad as per operator.	5/15/2013 1:49:23 PM
Permit	Requested review of the Distance to the nearest building, public road, above ground utility or railroad does not match with what was given on the Form 2A. The distance on the Form 2 was given as 1097.	5/13/2013 9:28:33 AM

Total: 3 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
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.
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.
Drilling/Completion Operations	Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.

Total: 4 comment(s)