

**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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286  
Email: mclark@nobleenergyinc.com  
7. Well Name: LUCCI B Well Number: 03-69HNL  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 16858

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNW Sec: 1 Twp: 5N Rng: 64W Meridian: 6  
Latitude: 40.434640 Longitude: -104.505640  
Footage at Surface: 376 feet FNL 612 feet FWL  
11. Field Name: WATTENBERG Field Number: 90750  
12. Ground Elevation: 4617 13. County: WELD

14. GPS Data:  
Date of Measurement: 04/02/2012 PDOP Reading: 1.6 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  
76 FSL 155 FEL 75 FSL 535 FWL  
Sec: 35 Twp: 6N Rng: 64W Sec: 34 Twp: 6N 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: 326 ft  
18. Distance to nearest property line: 376 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 236 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		717	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):

see attached. This well will produce from fee and state leases.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 560

### 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		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	6,986	470	6,986	
1ST LINER	6+1/8	4+1/2	11.6	6836	16,858			

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

33. Comments Both fee & State are minerals owners. Please see lease description for State designation. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. HORIZONTAL WELLBORE WILL PRODUCE FROM MULTIPLE LEASES. SEE # 24 LEASE DESC. FOR UNIT CONFIGURATION PLEASE SEE ATTACHED UNIT DESCRIPTION. WELL IS TO BE TWINNED WITH EXISTING LUCCI B01-99HZ & PROPOSED LUCCI B01-69HNL CREATING A 3 WELL PAD. PRODUCTION FACILITIES WILL BE LOCATED ON THE SAME LOCATION AND DEDICATED TO THE WELL LOCATION BEING PERMITTED. THE CLOSEST WELL PRODUCTION ZONE TO PRODUCTION ZONE MEASURED WAS THE SCHOLFIELD STATE A36-79HN. NW/4NW/4 of Section 1, and the N/2N/2 of Section 2, and the N/2N/2 of Section 3, in T5N, R64W, and the S/2S/2 of Section 34, and the S/2S/2 of Section 35 and the SW/4SW/4 of Section 36

34. Location ID: 418341

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: REGULATORY ANALYST II Date: 11/20/2012 Email: mclark@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: 1/4/2013

**API NUMBER**  
05 123 36534 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/3/2015

**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 notice of MIRU via an electronic Form 42.
- 2) Comply with Rule 317.i and provide cement coverage from the 7" casing TD to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.

Operator must meet water well testing requirements per Rule 318A.

### **Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

### **Attachment Check List**

Att Doc Num	Name
2233172	PROPOSED SPACING UNIT
2233174	WELL LOCATION PLAT
2481941	SURFACE CASING CHECK
400325527	FORM 2 SUBMITTED
400333620	DIRECTIONAL DATA
400348483	30 DAY NOTICE LETTER
400348484	DEVIATED DRILLING PLAN
400348485	LEGAL/LEASE DESCRIPTION
400348507	OTHER

Total Attach: 9 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final Review Completed. No LGD or public comment received.	1/2/2013 3:51:35 PM
Permit	State land board ok with location and bond.	1/2/2013 2:08:21 PM
Permit	Per operator corrected distance to nearest wellbore and attached updated well location plat.	12/11/2012 6:42:34 AM
Permit	Per operator corrected surface and minerals and attached new proposed spacing unit.	12/10/2012 3:21:30 PM
Permit	Horizontal well crosses lease lines within GWA horizontal wellbore unit; distance to lease line is 0'; distance to unit boundary is 535'.	12/10/2012 12:18:17 PM
Permit	The attached well location plat does not contain enough information about section 2. Requested surface and minerals information, distance to nearest wellbore, and proposed spacing unit attachment. Notified state land board.	12/10/2012 12:01:00 PM
Engineer	Evaluated offset wells for adequate cement coverage.	11/26/2012 9:54:36 AM

Total: 7 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
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 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	<p>Anti-collision: 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.</p> <p>During and Post stimulation: Noble Energy will comply with the COGCC Policy for Bradenhead Monitoring during Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated 5/29/12</p>
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.

Total: 4 comment(s)