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Document Number:  
400183209

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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286  
 Email: mclark@nobleenergyinc.com  
 7. Well Name: LONG C Well Number: 20-18  
 8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
 9. Proposed Total Measured Depth: 7200

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNE Sec: 20 Twp: 4N Rng: 64W Meridian: 6  
 Latitude: 40.302070 Longitude: -104.574070  
 Footage at Surface: 1127 feet FNL 2486 feet FEL  
 11. Field Name: WATTENBERG Field Number: 90750  
 12. Ground Elevation: 4733 13. County: WELD

14. GPS Data:  
 Date of Measurement: 05/27/2011 PDOP Reading: 1.4 Instrument Operator's Name: BRIAN BRINKMAN

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  
 Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 850 ft  
 18. Distance to nearest property line: 155 ft 19. Distance to nearest well permitted/completed in the same formation: 649 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.)
CODELL	CODL	407-87	160	GWA
NIOBRARA	NBRR	407-87	160	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#: 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 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: 155 ft 26. Total Acres in Lease: 157

### 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
SURF	12+1/2	8+5/8	24	0	650	268	650	0
1ST	7+7/8	4+1/2	11.6	0	7,200	651	7,200	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. UNIT CONFIGURATION = NESW, SENW, SWNE, NWSE SEC. 20, T4N, R64W. WELL IS TO BE TWINNED WITH PROPOSED LONG C20-21D & LONG C20-22D CREATING A 3 WELL PAD. Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Noble requests an exception location to 318Aa, 318Ac: Exception request and waiver attached.

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: 8/10/2011 Email: mclark@nobleenergyinc.com

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. Nash Director of COGCC Date: 9/2/2011

**API NUMBER**  
05 123 34293 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/1/2013

**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 24 hour notice of MIRU to Bo Brown via e-mail at bo.brown@state.co.us.  
 2) Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with a cement bond log.

### **Attachment Check List**

Att Doc Num	Name
2530941	PROPOSED SPACING UNIT
2530942	PROPOSED SPACING UNIT
400183209	FORM 2 SUBMITTED
400194238	30 DAY NOTICE LETTER
400194239	LEGAL/LEASE DESCRIPTION
400194240	WELL LOCATION PLAT
400194243	EXCEPTION LOC REQUEST
400194245	EXCEPTION LOC WAIVERS

Total Attach: 8 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Updated permit with the correct spacing unit letter.	8/15/2011 11:53:43 AM
Permit	Proposed spacing unit letter describes the wrong property.	8/12/2011 5:40:37 AM

Total: 2 comment(s)

### **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
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.
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.
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.

Total: 3 comment(s)