

<b>FORM</b> <b>2</b> Rev 12/05	State of Colorado <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">DE</td> <td style="width:25%;">ET</td> <td style="width:25%;">OE</td> <td style="width:25%;">ES</td> </tr> </table>	DE	ET	OE	ES
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**APPLICATION FOR PERMIT TO:**

1.  **Drill,**       Deepen,       Re-enter,       Recomplete and Operate

2. TYPE OF WELL

OIL       GAS       COALBED       OTHER \_\_\_\_\_

SINGLE ZONE       MULTIPLE ZONE       COMMINGLE ZONE

Refiling

Sidetrack

Document Number:  
 400177206

Plugging Bond Surety  
 20030009

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: JGarrett@nobleenergyinc.com

7. Well Name: Box M      Well Number: C27-33D

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

9. Proposed Total Measured Depth: 7166

**WELL LOCATION INFORMATION**

10. QtrQtr: NESE      Sec: 28      Twp: 4N      Rng: 64W      Meridian: 6

Latitude: 40.281660      Longitude: -104.549010

Footage at Surface:      1985 feet      FSL      707 feet      FEL

11. Field Name: Wattenberg      Field Number: 90750

12. Ground Elevation: 4723      13. County: WELD

14. GPS Data:

Date of Measurement: 04/07/2011      PDOP Reading: 2.2      Instrument Operator's Name: David C. Holmes

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

1320      FSL      75      FWL      1320      FSL      75      FWL

Sec: 27      Twp: 4N      Rng: 64W      Sec: 27      Twp: 4N      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: 705 ft

18. Distance to nearest property line: 641 ft      19. Distance to nearest well permitted/completed in the same formation: 1032 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

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

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):  
Please see attached  
25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 106

**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
SURF	12+1/4	8+5/8	24	0	750	200	750	0
1ST	7+7/8	4+1/2	11.6	0	7,166	646	7,166	

32. BOP Equipment Type:  Annular Preventer  Double Ram  Rotating Head  None  
33. Comments Conductor casing will not be used. First string top of cement will be 200' above the Niobrara formation. Well is part of a four-well pad consisting of the proposed Box M C27-31D (Doc # 400177254), the proposed Box M C27-32D (Doc # 400177271), the proposed Box M C27-33D (Doc # 400177206), and the existing Abbey D01-05 (API: 123-11315), multi-well plan attached. The production facilities will be added to the existing equipment located within the pad disturbance. Unit Configuration = Sec. 27: W/2SW/4 & Sec. 28: E/2SE/4.

34. Location ID: 319465  
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 Specialist Date: 6/30/2011 Email: JDGarrett@nobleenergyinc.co

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. Nashin Director of COGCC Date: 7/24/2011

Permit Number: \_\_\_\_\_ Expiration Date: 7/23/2013

**API NUMBER**

05 123 34034 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)Note surface casing setting depth change from 600' to 750'. Increase cement coverage accordingly and cement to surface.
- 2)Provide 24 hour notice of MIRU to Bo Brown via e-mail at bo.brown@state.co.us.
- 3)Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above the Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log.
- 4)Comply with Rule 321. 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.

**Attachment Check List**

Att Doc Num	Name
2481022	SURFACE CASING CHECK
400177206	FORM 2 SUBMITTED
400179169	30 DAY NOTICE LETTER
400179170	PLAT
400179172	DEVIATED DRILLING PLAN
400179174	MULTI-WELL PLAN
400180926	LEGAL/LEASE DESCRIPTION
400181111	PROPOSED SPACING UNIT

Total Attach: 8 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>
General Housekeeping	General 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 pick up 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) and 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)