

**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

Document Number:  
400151167  
PluggingBond SuretyID  
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: MARI CLARK      Phone: (303)228-4413      Fax: (303)228-4286  
Email: mclark@nobleenergyinc.com  
7. Well Name: TOBY C      Well Number: 12-79HN  
8. Unit Name (if appl): \_\_\_\_\_      Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 11809

**WELL LOCATION INFORMATION**

10. QtrQtr: SESE      Sec: 2      Twp: 4N      Rng: 64W      Meridian: 6  
Latitude: 40.336000      Longitude: -104.511020  
Footage at Surface: 665 feet      FNL/FSL FSL      777 feet      FEL/FWL FEL  
11. Field Name: WATTENBERG      Field Number: 90750  
12. Ground Elevation: 4617      13. County: WELD

14. GPS Data:  
Date of Measurement: 02/10/2011      PDOP Reading: 1.8      Instrument Operator's Name: JERRY F HARCEK

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  
653      FNL      79      FWL      150      FNL      75      FWL  
Sec: 12      Twp: 4N      Rng: 64W      Sec: 13      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: 426 ft  
18. Distance to nearest property line: 635 ft      19. Distance to nearest well permitted/completed in the same formation(BHL): 360 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	407-486	400	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 LEASE MAP

25. Distance to Nearest Mineral Lease Line: 654 ft 26. Total Acres in Lease: 3179

### 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	600	200	600	0
1ST	8+3/4	7+0/0	26	0	7,042	760	7,042	
1ST LINER	6+1/8	4+1/2	11.6	5830	11,809		11,809	

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. UNIT CONFIGURATION = SECTION 11: E2NE, E2SE; SECTION 12: W2NW, W2SW, SECTION 13: NWNW; SECTION 14: NENE. NOBLE ENERGY INC. CERTIFIES THAT THE LEASES SHALL BE COMMITTED TO THE UNIT. WELL IS TO BE TWINNED WITH PROPOSED BOBCAT C12-69HN, PANTHER C02-23D, PANTHER C11-27D & PANTHER C11-28D CREATING A 5 WELL PAD. CROP IS HAY.

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: 7/26/2011 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. Neslin Director of COGCC Date: 11/13/2011

API NUMBER
05 123 34676 00

Permit Number: \_\_\_\_\_ Expiration Date: 11/12/2013

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. At least seven (7) days prior to fracture stimulation, the operator is to notify all operators of non-operated wells within 300 feet of the wellbore to be fracture stimulated of the anticipated date stimulation date and the recommended best management practice to shut-in all wells within 300' of the stimulated wellbore completed in the same formation.
  2. The operator will monitor the bradenhead pressure of all wells operated by the operator within 300 feet of the well to be fracture stimulated.
  3. Bradenhead pressure gauges are to be installed 24 hours prior to stimulation. The gauges are to read at least once during every 24-hour period until 24-hours after stimulation is completed (post flowback). The gauges are to be of the type able to read current pressure and record the maximum encountered pressure in a 24-hour period. The gauge is to be reset between each 24-hour period. The pressures are to be recorded and saved. Alternate electronic measurement may be used to record the prescribed pressures. Data shall be kept for a period of one year.
  4. If at any time during stimulation or the 24-hour post-stimulation period, the bradenhead annulus pressure of the treatment well or offset wells increases more than 200 psig, as per Rule 341, the operator of the well being stimulated shall verbally notify the Director as soon as practicable, but no later than twenty-four (24) hours following the incident. Within fifteen (15) days after the occurrence, the operator shall submit a Sundry Notice, Form 4, giving all details, including corrective actions taken.
- 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. Verify coverage with cement bond log.
  - 3) Comply with Rule 321. Run and submit Directional Survey from the end of production casing 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
2531399	SURFACE AGRMT/SURETY
400151167	FORM 2 SUBMITTED
400184542	30 DAY NOTICE LETTER
400184543	DEVIATED DRILLING PLAN
400184544	LEASE MAP
400184545	WELL LOCATION PLAT
400184546	PROPOSED SPACING UNIT

Total Attach: 7 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	No LGD or public comment received; final review completed.	11/8/2011 10:26:12 AM
Permit	Updated permit with new SUA.	11/8/2011 10:03:20 AM
Permit	Operator suggests that the SUA will be ready week of 10/31/2011	10/31/2011 3:09:38 PM
Permit	Operator still working on SUA. 10/6/2011	10/11/2011 10:42:20 AM
Permit	On hold - An SUA is needed to drill from this location.	7/26/2011 11:18:23 AM

Total: 5 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.

Total: 3 comment(s)