

**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:  
400116704

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: SUSAN MILLER      Phone: (303)228-4246      Fax: (303)228-4286  
Email: smiller@nobleenergyinc.com

7. Well Name: BUTTERBALL      Well Number: D18-75HN

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

9. Proposed Total Measured Depth: 11721

**WELL LOCATION INFORMATION**

10. QtrQtr: NWNE      Sec: 19      Twp: 3N      Rng: 64W      Meridian: 6  
Latitude: 40.217280      Longitude: -104.591650

Footage at Surface:      266      feet      FNL      2013      feet      FEL

11. Field Name: Wattenberg      Field Number: 90750

12. Ground Elevation: 4772      13. County: WELD

14. GPS Data:  
Date of Measurement: 11/15/2010      PDOP Reading: 2.8      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

954      FSL      2605      FEL      150      FSL      2600      FEL

Sec: 18      Twp: 3N      Rng: 64W      Sec: 7      Twp: 3N      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: 250 ft

18. Distance to nearest property line: 266 ft      19. Distance to nearest well permitted/completed in the same formation: 246 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	N/A	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#: 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 mineral lease map. Noble Energy Inc. certifies that the leases shall be committed to the unit.

25. Distance to Nearest Mineral Lease Line: 954 ft 26. Total Acres in Lease: 7797

### 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	13+3/4	9+5/8	36	0	600	321	600	0
1ST	8+3/4	7	26	0	7,242	652	7,242	
1ST LINER	6+1/8	4+1/2	11.6	6029	11,721			

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. The production liner will be hung off inside of the 7" casing. This is a 3-well, multi-well pad: proposed Butterball D18-75HN, Butterball D19-75HN, Butterball H24-69HN. Form 2A filed under document no. 400116042. Unit Configuration: SW/4SE/4, SE/4SW/4 Section 7; E/2W2, W/2E/2 Section 18. 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: SUSAN MILLER

Title: Regulatory Analyst II Date: 8/9/2011 Email: smiller@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: 9/7/2011

**API NUMBER**  
05 123 34326 00

Permit Number: \_\_\_\_\_ Expiration Date: 9/6/2013

**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.
- 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.

Well pressures must be monitored during fracking to provide prompt warning if fluids escape the geologic formation being fractured. During the fracking of a horizontal well, the operator is to monitor the casing and bradenhead pressures of the all existing wells within 500 feet for a period of 24-hours.

### **Attachment Check List**

Att Doc Num	Name
2481129	SURFACE CASING CHECK
400116704	FORM 2 SUBMITTED
400147218	30 DAY NOTICE LETTER
400147219	WELL LOCATION PLAT
400147220	DEVIATED DRILLING PLAN
400147553	EXCEPTION LOC WAIVERS
400147554	PROPOSED SPACING UNIT
400147556	EXCEPTION LOC REQUEST
400147557	PROPOSED SPACING UNIT
400193495	PROPOSED SPACING UNIT
400193496	MINERAL LEASE MAP

Total Attach: 11 Files

### **General Comments**

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

Total: 0 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	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-039527. 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)