

<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		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:  
 400147808  
 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: JAN KAJIWARA      Phone: (303)228-4092      Fax: (303)228-4286  
 Email: jkajiwara@nobleenergyinc.com  
 7. Well Name: MEGAN      Well Number: H16-99HZ-X  
 8. Unit Name (if appl): \_\_\_\_\_      Unit Number: \_\_\_\_\_  
 9. Proposed Total Measured Depth: 11180

**WELL LOCATION INFORMATION**

10. QtrQtr: SWSW      Sec: 16      Twp: 3N      Rng: 65W      Meridian: 6  
 Latitude: 40.221572      Longitude: -104.677201  
 Footage at Surface:      1240 feet      FSL      155 feet      FWL  
 11. Field Name: GREELEY      Field Number: 32760  
 12. Ground Elevation: 4856      13. County: WELD

14. GPS Data:  
 Date of Measurement: 09/03/2010      PDOP Reading: 2.5      Instrument Operator's Name: JOHN BARICKMAN

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  
796      FSL      505      FWL      1052      FSL      500      FEL  
 Sec: 16      Twp: 3N      Rng: 65W      Sec: 16      Twp: 3N      Rng: 65W

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: 1240 ft  
 18. Distance to nearest property line: 155 ft      19. Distance to nearest well permitted/completed in the same formation: 285 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		320	S/2

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

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: CO 70/7899

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 Bon  \$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):  
 Noble Energy Inc certifies that the leases shall be committed to the unit/Communization agreement as necessary. SECTION 16: 3N-65W: ALL

25. Distance to Nearest Mineral Lease Line: 500 26. Total Acres in Lease: 640

**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	9+5/8	36	0	796	401	796	0
1ST	8+3/4	7	26	0	7,336	650	7,336	
1ST LINER	6+1/8	4+1/2	11.6	0	11,180			

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. The production liner will be hung off inside of 7" casing.

34. Location ID: 310674

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: JAN KAJIWARA

Title: REGULATORY ANALYST Date: 3/31/2011 Email: jkajiwara@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: 4/6/2011

<b>API NUMBER</b>	Permit Number: _____	Expiration Date: <u>4/5/2013</u>
05 123 32746 01	<b>CONDITIONS OF APPROVAL, IF ANY:</b>	

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

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) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with cement bond log.
- 2) 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
400147808	FORM 2 SUBMITTED
400148117	DEVIATED DRILLING PLAN
400148119	WELL LOCATION PLAT

Total Attach: 3 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Top of productive zone and bottom hole not filled out correctly.	4/4/2011 8:57:05 AM
Engineer	This is a sidetrack for faulted out objective.	4/4/2011 8:24:50 AM
Permit	Question 16 left blank. Corrected as per original APD-not high density area. sf	4/1/2011 11:03:54 AM

Total: 3 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.
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-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.
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)