

**FORM**  
**2**  
Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
----	----	----	----

Document Number:  
400039623  
Plugging Bond Surety  
20030009

**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

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: KATE MILLER Phone: (303)228-4449 Fax: (303)228-4280  
Email: kmiller@nobleenergyinc.com  
7. Well Name: DEGENHART USX AE Well Number: 17-99HZ  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 11153

WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 17 Twp: 6N Rng: 62W Meridian: 6  
Latitude: 40.491040 Longitude: -104.339560  
Footage at Surface: 1144 FNL/FSL FNL 693 FEL/FWL FEL  
11. Field Name: WATTENBERG Field Number: 90750  
12. Ground Elevation: 4925 13. County: WELD

14. GPS Data:

Date of Measurement: 12/19/2009 PDOP Reading: 2.4 Instrument Operator's Name: ROBERT DALEY

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL 1743 FNL 1211 FEL 560 FSL 1420 FWL  
Bottom Hole: FNL/FSL 1743 FNL 1211 FEL 560 FSL 1420 FWL  
Sec: 17 Twp: 6N Rng: 62W Sec: 17 Twp: 6N Rng: 62W

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: 3490 ft  
18. Distance to nearest property line: 693 ft 19. Distance to nearest well permitted/completed in the same formation: 1791 ft

20. 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		640	

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 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):  
Section 17 T6N Range 62W: All of Section 17

25. Distance to Nearest Mineral Lease Line: 560 ft 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)?  Yes  No **If 28, 29, or 30 are "Yes" a pit permit may be required.**

31. Mud disposal:  Offsite  Onsite  
Method:  Land Farming  Land Spreading  Disposal Facility Other: CLOSED LOOP SYSTEM

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
SURF	12+1/4	9+5/8	36	675	336	675	0
1ST	8+3/4	7	26	7,025	650	7,025	
1ST LINER	6+1/8	4+1/2	11.6	11,153			

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

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOC=200' ABOVE THE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. Noble is planning to use a packers plus for an open hole completion for the 4-1/2" liner. Unit configuration for Niobrara is all of Section 17 T6N R62W

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: KATE MILLER

Title: REGULATORY ANALYST Date: 2/17/2010 Email: kmiller@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: 3/26/2010

**API NUMBER**  
05 123 31351 00

Permit Number: \_\_\_\_\_ Expiration Date: 3/24/2012

**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.**

COGCC ENG COA - SME Note surface casing setting depth change from 650' to 675'. Increase cement coverage accordingly and cement to surface. 1) Provide 24 hr notice of spud to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us. 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC. 3) If completed, provide cement coverage from TD to a minimum of 200' above Niobrara. 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	Doc Description
1725662	SURFACE CASING CHECK	LF@2440220 1725662
400041348	WELL LOCATION PLAT	LF@2426383 400041348
400041356	30 DAY NOTICE LETTER	LF@2426384 400041356
400041357	DEVIATED DRILLING PLAN	LF@2426385 400041357
400041358	EXCEPTION LOC WAIVERS	LF@2426386 400041358
400041360	EXCEPTION LOC REQUEST	LF@2426387 400041360
400041397	FORM 2 SUBMITTED	LF@2426388 400041397

Total Attach: 7 Files