

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



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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:

2096675

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: SUSAN MILLER Phone: (303)297-2300 Fax: (303)297-7708  
Email: SUMILLER@SUNCOR.COM

7. Well Name: FOSS Well Number: 10-2-21

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

9. Proposed Total Measured Depth: 7150

WELL LOCATION INFORMATION

10. QtrQtr: SENW Sec: 10 Twp: 6N Rng: 64W Meridian: 6  
Latitude: 40.501090 Longitude: -104.540570

Footage at Surface: 2501 FNL/FSL FNL 1414 FEL/FWL FWL

11. Field Name: HARLECH Field Number: 33560

12. Ground Elevation: 4799 13. County: WELD

14. GPS Data:

Date of Measurement: 06/26/2008 PDOP Reading: 1.8 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 \_\_\_\_\_

Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_ Sec: \_\_\_\_\_ Twp: \_\_\_\_\_ Rng: \_\_\_\_\_

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: 1120 ft

18. Distance to nearest property line: 150 ft 19. Distance to nearest well permitted/completed in the same formation: 748 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.)
CODELL/NIOBRARA	NB-CD	407-87	160	S/2NW/4 & N/2SW/4

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 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):  
6-64: SECTION 10: S/2NW/4

25. Distance to Nearest Mineral Lease Line: 1414 ft 26. Total Acres in Lease: 80

### 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: \_\_\_\_\_

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	8+5/8	26	600	430	600	
1ST	7+7/8	4+1/2	11.6	7,150	1,053	7,150	600

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

33. Comments CONDUCTOR CASING WILL NOT BE UTILIXED. SEE ITEM NO.4 OF SUA FOR WAIVER OF 30-DAY NOTICE. FOR EXCEPTION LOCATION WAIVERS SEE SUA ITEM 1D. Noble requests approval of a Rule 318Aa, Rule 318Ae, and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window, the well will be drilled to a 318Ae infill location from outside of a GWA drilling window, and the wellhead will be located more than 50' from an existing well location..

34. Location ID: 302776

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 Date: 2/24/2010 Email: SUMILLER@SUNCOR.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: 4/12/2010

Permit Number: \_\_\_\_\_ Expiration Date: 4/11/2012

**API NUMBER**  
05 123 29784 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.**

Wellhead is to be located outside of a GWA drilling window, the well will be drilled to a 318Ae infill location from a surface location outside of a GWA drilling window, and the wellhead will be located more than 50' from an existing well location. EXCEPTION GRANTED.

COGCC ENG COA - SME 1) Provide 24 hr notice of spud to Ed Binkley at 970-506-9834 or e-mail at ed.binkley@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.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
2096675	APD ORIGINAL	LF@2433715 2096675
2096677	WELL LOCATION PLAT	LF@2425292 2096677
2096678	SURFACE AGRMT/SURETY	LF@2425293 2096678
2096679	EXCEPTION LOC REQUEST	LF@2425294 2096679
2096680	PROPOSED SPACING UNIT	LF@2425295 2096680
2621286	PROPOSED SPACING UNIT	LF@2431525 2621286
400043545	FORM 2 SUBMITTED	LF@2431526 400043545

Total Attach: 7 Files