

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:  
400068416  
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: Cheryl Johnson Phone: (303)228-4437 Fax: (303)228-4286  
Email: cheryljohnson@nobleenergyinc.com

7. Well Name: DF Ranch PC GK Well Number: 17-99HZ

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

9. Proposed Total Measured Depth: 12234

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 17 Twp: 11N Rng: 61W Meridian: 6

Latitude: 40.928510 Longitude: -104.236140

Footage at Surface: 155 FNL/FSL FNL 850 FEL/FWL FWL

11. Field Name: Grover Field Number: 33380

12. Ground Elevation: 5312 13. County: WELD

14. GPS Data:

Date of Measurement: 05/06/2010 PDOP Reading: 2.3 Instrument Operator's Name: Nicole Hay

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

Footage at Top of Prod Zone: FNL/FSL FSL/FWL Bottom Hole: FNL/FSL FSL/FWL  
728 FNL 1401 FWL 1200 FSL 625 FEL  
Sec: 17 Twp: 11N Rng: 61W Sec: 17 Twp: 11N Rng: 61W

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: 4400 ft

18. Distance to nearest property line: 155 ft 19. Distance to nearest well permitted/completed in the same formation: 1242 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	unspaced	640	All

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):  
T11N R61W: Section 17 - All

25. Distance to Nearest Mineral Lease Line: 625 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

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
CONDUCTOR	16+1/4	15+5/8		100	6	100	
SURF	12+1/4	9+5/8	36	1,400	440	1,400	
1ST	8+3/4	7	26	7,403	650	7,403	
1ST LINER	6+1/8	4+1/2	11.6	12,234			

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

33. Comments 1st String TOC = 200 above Niobrara. Production liner will be hung off inside 7" casing. Well location is in Upper Creek designated groundwater basin. Sundries to abandon Niobrara formation for DF Ranch 1161-17-24, DF Ranch 1161-17-42, DF Ranch 1161-17-22 are being submitted. The DF Ranch 1161-17-12 will be the closest well with Niobrara formation once the sundries have been processed. Facilities will be at a separate location SW of the well COGCC: got notice from opr that it's really an SUA - corrected per opr 7/9/peb

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: Cheryl Johnson

Title: Regulatory Analyst Date: 7/8/2010 Email: cheryljohnson@nobleenergyinc

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: 8/13/2010

Permit Number: \_\_\_\_\_ Expiration Date: 8/12/2012

**API NUMBER**

05 123 31976 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.

COGCC ENG COA - SME

- 1) Provide 24 hr notice of MIRU 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 the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a cement bond log.
- 4) If the production liner is cemented, verify cement with a cement bond log.
- 5) 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
400068416	FORM 2 SUBMITTED	LF@2503985 400068416
400075245	30 DAY NOTICE LETTER	LF@2503986 400075245
400075246	PLAT	LF@2503987 400075246
400075247	DEVIATED DRILLING PLAN	LF@2503988 400075247
400075269	SURFACE AGRMT/SURETY	LF@2503989 400075269

Total Attach: 5 Files

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