

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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Document Number:

400057751

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: MARI CLARK Phone: (303)228-4413 Fax: (303)228-4286  
 Email: mclark@nobleenergyinc.com  
 7. Well Name: FIVE RIVERS K Well Number: 16-30D  
 8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
 9. Proposed Total Measured Depth: 7728

WELL LOCATION INFORMATION

10. QtrQtr: SWSE Sec: 8 Twp: 4N Rng: 66W Meridian: 6  
 Latitude: 40.322110 Longitude: -104.797370  
 Footage at Surface: 1138 FNL/FSL FSL 1416 FEL/FWL FEL  
 11. Field Name: WATTENBERG Field Number: 90750  
 12. Ground Elevation: 4703 13. County: WELD

14. GPS Data:

Date of Measurement: 03/01/2010 PDOP Reading: 1.5 Instrument Operator's Name: STEVEN A LUND

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

Footage at Top of Prod Zone: FNL/FSL 75 FSL 200 FEL/FWL FEL Bottom Hole: FNL/FSL 75 FSL 200 FEL/FWL FEL  
 Sec: 8 Twp: 4N Rng: 66W Sec: 8 Twp: 4N Rng: 66W

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: 182 ft

18. Distance to nearest property line: 220 ft 19. Distance to nearest well permitted/completed in the same formation: 746 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	CODL	407-18	160	GWA
NIOBRARA	NBRR	407-18	160	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 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):  
T4N R66W: Section 8 SE/4SE/\$, Section 9 SW/4SW/4, Section 16 NW/4NW/4, Section 17 NE/4NE/4

25. Distance to Nearest Mineral Lease Line: 1280 ft 26. Total Acres in Lease: 160

### 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
SURF	12+1/4	8+5/8	24	550	230	550	0
1ST	7+7/8	4+1/2	11.6	7,727	729	7,728	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. WELL IS TO BE PART OF A 4 WELL PAD CONSISTING OF FIVE RIVERS K08-24D, K08-23, K09-33D, & K16-30D. UNIT CONFIGURATION = T4N R66W: Section 8 SE/4SE/\$, Section 9 SW/4SW/4, Section 16 NW/4NW/4, Section 17 NE/4NE/4

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: MARI CLARK

Title: REG. ANALYST II Date: \_\_\_\_\_ Email: mclark@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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

API NUMBER

05

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.

**Attachment Check List**

Att Doc Num	Name	Doc Description
400082476	WELL LOCATION PLAT	2415-Sharp-5001N_20100805_075752.pdf
400082477	30 DAY NOTICE LETTER	2415-Sharp-5001N_20100805_075815.pdf
400082479	DEVIATED DRILLING PLAN	2415-Sharp-5001N_20100805_075837.pdf
400083519	PROPOSED SPACING UNIT	Five Rivers K16-30D Spacing Unit.pdf

Total Attach: 4 Files