

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:  
400066674  
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: SMITH PC D Well Number: 06-20D

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

9. Proposed Total Measured Depth: 7351

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 6 Twp: 3N Rng: 64W Meridian: 6  
Latitude: 40.253960 Longitude: -104.594120

Footage at Surface: 2519 FNL/FSL FSL 2333 FEL/FWL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4823 13. County: WELD

14. GPS Data:

Date of Measurement: 04/29/2010 PDOP Reading: 1.2 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 2550 FSL 1320 FWL \_\_\_\_\_ FEL/FWL 2550 FSL 1320 FWL \_\_\_\_\_  
Sec: 6 Twp: 3N Rng: 64W Sec: 6 Twp: 3N Rng: 64W

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: 570 ft

18. Distance to nearest property line: 125 ft 19. Distance to nearest well permitted/completed in the same formation: 761 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	407-87	160	GWA
NIOBRARA	NBRR	407-87	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#: \_\_\_\_\_

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):  
 Sec 6 T3N R64W: 2 (NE/4NW/4), 3 (W/2NW/4), 4 (W/2SW/4), SE/4NW/4 & E/2SW/4

25. Distance to Nearest Mineral Lease Line: 125 ft 26. Total Acres in Lease: 300

### 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	8+5/8	24	650	230	650	0
1ST	7+7/8	4+1/2	11.6	7,351	673	7,351	

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

33. Comments NO CONDUCTOR CASING WILL BE USED. TOC=200' ABOVE THE NIOBRARA. Unit configuration=S/2NW/4, N/2SW/4 Section 6. Location is part of a 4 well pad consisting of: Hoff PC D06-21, Amen PC (doc. 400066668), Smith D06-20D (doc. 400066674) and Shelton D06-30 (doc. 400066748). Well 2A doc. 400066502. Facility doc. 400066503. Operator requests approval of a Rule 603.a.(2) exception location: Wellhead is to be located less than 150' from a property line. Waiver attached. Operator requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location. Waived by SUA.

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: JAN KAJIWARA

Title: REGULATORY ANALYST Date: 9/8/2010 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. Nash Director of COGCC Date: 10/5/2010

Permit Number: \_\_\_\_\_ Expiration Date: 10/4/2012

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 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 and from 200' below to 200' above Sussex. Verify coverage with cement bond log.
- 4) If dry hole, 40 sks cement 50' above Niobrara top, 40 sks cement 50' above Sussex top, 50 sks cement ½ out, ½ in surface casing, 10 sks cement top of surface casing, cut 4' below GL, weld on plate, 5 sks cement in rat hole & 5 sks cement in mouse hole. Restore surface location.
- 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
2529640	EXCEPTION LOC REQUEST	LF@2546967 2529640
400066674	FORM 2 SUBMITTED	LF@2540930 400066674
400066956	30 DAY NOTICE LETTER	LF@2539196 400066956
400089776	EXCEPTION LOC REQUEST	LF@2539197 400089776
400089777	EXCEPTION LOC WAIVERS	LF@2539198 400089777
400089779	SURFACE AGRMT/SURETY	LF@2539199 400089779
400092026	PLAT	LF@2540931 400092026
400092131	DEVIATED DRILLING PLAN	LF@2540932 400092131
400092136	PROPOSED SPACING UNIT	LF@2540933 400092136

Total Attach: 9 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Updated with request letter	9/27/2010 1:32:11 PM
Permit	Need request letter for an exception to rule 318Aa, 318Ac.	9/27/2010 8:54:37 AM
Permit	Received attachments, deleted incorrect ones.	9/14/2010 8:42:15 AM
Permit	Opr sent proper plat, but I found the deviated drilling plan and spacing unit are for the wrong well. Bcak to draft	9/10/2010 2:42:16 PM
Permit	Has incorrect plat. Getting correct one from opr.	9/10/2010 9:38:48 AM

Total: 5 comment(s)

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