


<b>FORM</b> <b>2</b> Rev 12/05	<b>State of Colorado</b> <b>Oil and Gas Conservation Commission</b> 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table>	DE	ET	OE	ES
DE	ET	OE	ES				
<b>APPLICATION FOR PERMIT TO:</b>			Document Number:  400134244  Plugging Bond Surety  20030009				
1. <input checked="" type="checkbox"/> <b>Drill,</b> <input type="checkbox"/> Deepen, <input type="checkbox"/> Re-enter, <input type="checkbox"/> Recomplete and Operate							
2. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> COMMINGLE ZONE <input type="checkbox"/>		Refiling <input type="checkbox"/> Sidetrack <input type="checkbox"/>					
3. Name of Operator: <u>NOBLE ENERGY INC</u>		4. COGCC Operator Number: <u>100322</u>					
5. Address: <u>1625 BROADWAY STE 2200</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>							
6. Contact Name: <u>Justin Garrett</u> Phone: <u>(303)228-4449</u> Fax: <u>(303)228-4286</u> Email: <u>JGGarrett@nobleenergyinc.com</u>							
7. Well Name: <u>Mark Alter</u>		Well Number: <u>C16-79HN</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>11203</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>SWSW</u> Sec: <u>9</u> Twp: <u>4N</u> Rng: <u>64W</u> Meridian: <u>6</u> Latitude: <u>40.321500</u> Longitude: <u>-104.562850</u>							
Footage at Surface: <u>667</u> feet    FNL/FSL <u>613</u> feet    FEL/FWL <u>FWL</u>							
11. Field Name: <u>Wattenberg</u>		Field Number: <u>90750</u>					
12. Ground Elevation: <u>4702</u>		13. County: <u>WELD</u>					
14. GPS Data: Date of Measurement: <u>01/19/2011</u> PDOP Reading: <u>2.3</u> Instrument Operator's Name: <u>Brian T. Brinkman</u>							
15. If well is <input type="checkbox"/> Directional <input checked="" type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone: FNL/FSL <u>705</u> FNL <u>75</u> FWL <u>FWL</u> Bottom Hole: FNL/FSL <u>535</u> FSL <u>75</u> FWL <u>FWL</u> Sec: <u>16</u> Twp: <u>4N</u> Rng: <u>64W</u> Sec: <u>16</u> Twp: <u>4N</u> Rng: <u>64W</u>							
16. Is location in a high density area? (Rule 603b)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
17. Distance to the nearest building, public road, above ground utility or railroad: <u>352 ft</u>							
18. Distance to nearest property line: <u>346 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>790 ft</u>							
<b>20. LEASE, SPACING AND POOLING INFORMATION</b>							
Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)			
Niobrara	NBRR	407-87	320	GWA			

**IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.**

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 81/6050-5

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):  
see attached

25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 6380

**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 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)? ☐ Yes ☐ No

31. Mud disposal: ☒ Offsite ☐ Onsite

Method: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility Other: Closed loop

If 28, 29, or 30 are "Yes" a pit permit may be required.

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	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	16+0/0	15+0/0		0	100	6	100	0
SURF	12+1/4	9+5/8	36	0	650	205	650	0
1ST	8+3/4	7+0/0	26	0	7,165	635	7,165	
1ST LINER	6+1/8	4+1/2	11.6	5882	11,203		11,203	

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

33. Comments Noble Energy Inc. certifies that the lease(s) shall be committed to the unit. 1st string top of cement is 200' above Niobrara. The production liner will be hung off inside 7" casing. The well stake is located 47' from the existing Johnson 9-13; an as-built survey is attached. Lease map with description attached. The production facilities will be located 1450' N of well site, doc #400134330. Unit configuration: E/2E/2 Sec 17, W/2W/2 Sec 16, T4N-R64W.

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: Justin Garrett

Title: Regulatory Specialist Date: 2/23/2011 Email: JDGarrett@nobleenergyinc.co

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: 4/21/2011

Permit Number: \_\_\_\_\_ Expiration Date: 4/20/2013

**API NUMBER**

05 123 33386 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.

- 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 the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a 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
2111252	SURFACE CASING CHECK
2530243	PROPOSED SPACING UNIT
2530481	SURFACE AGRMT/SURETY
400134244	FORM 2 SUBMITTED
400134287	30 DAY NOTICE LETTER
400134289	DEVIATED DRILLING PLAN
400134290	PLAT
400134292	WELL LOCATION PLAT
400136042	LEASE MAP

Total Attach: 9 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Updated with new surface agreement	4/21/2011 1:35:43 PM
Permit	SLB verified compliance	4/11/2011 12:42:35 PM
Permit	On hold waiting on SUA	3/17/2011 4:10:58 PM
Permit	Updated with new spacing unit attachments	3/1/2011 9:10:47 AM
Permit	On hold waiting on compliance verification from the SLB.	3/1/2011 5:51:22 AM
Permit	On hold-Need proposed spacing unit attachments	2/28/2011 3:58:36 PM

Total: 6 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)