


<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:  400160991  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 type="checkbox"/> GAS <input checked="" type="checkbox"/> COALBED <input type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/> COMMINGLE ZONE <input checked="" 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>JAN KAJIWARA</u> Phone: <u>(303)228-4092</u> Fax: <u>(303)228-4286</u> Email: <u>jkajiwar@nobleenergyinc.com</u>							
7. Well Name: <u>RHINO D</u>		Well Number: <u>27-27D</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>8013</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>NESW</u> Sec: <u>27</u> Twp: <u>3N</u> Rng: <u>64W</u> Meridian: <u>6</u> Latitude: <u>40.196230</u> Longitude: <u>-104.537740</u>							
Footage at Surface: <u>2590</u> feet      FNL/FSL <u>FSL</u> <u>2583</u> feet      FEL/FWL <u>FWL</u>							
11. Field Name: <u>WATTENBERG</u>		Field Number: <u>90750</u>					
12. Ground Elevation: <u>4866</u>		13. County: <u>WELD</u>					
14. GPS Data: Date of Measurement: <u>03/11/2011</u> PDOP Reading: <u>1.7</u> Instrument Operator's Name: <u>DAVID C HOLMES</u>							
15. If well is <input checked="" type="checkbox"/> Directional <input type="checkbox"/> Horizontal (highly deviated) <b>submit deviated drilling plan.</b> Footage at Top of Prod Zone:      FNL/FSL      FEL/FWL      Bottom Hole:      FNL/FSL      FEL/FWL <u>75</u> <u>FSL</u> <u>1320</u> <u>FEL</u> <u>75</u> <u>FSL</u> <u>1320</u> <u>FEL</u> Sec: <u>22</u> Twp: <u>3N</u> Rng: <u>64W</u> Sec: <u>22</u> Twp: <u>3N</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>5280 ft</u>							
18. Distance to nearest property line: <u>2583 ft</u> 19. Distance to nearest well permitted/completed in the same formation: <u>938 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.)			
CODELL	CODL	407-87	160	GWA			
NIOBRARA	NBRR	407-87	160	GWA			

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

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 Bond ☐ \$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):  
T3N-R64W SEC. 22: NW/4, S/2

25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 480

**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

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
SURF	12+1/4	8+5/8	24	0	770	212	770	0
1ST	7+7/8	4+1/2	11.6	0	8,013	720	8,013	

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. 7 well pad consisting of: RHINO D27-18D (doc. 400160986), D27-19D (doc. 400160987), D27-20D (doc. 400160988), D27-21 (doc 400160989), D27-22D (400160990), D27-27D(400160991), and D27-28D (doc. 400160992), Well 2A doc. 400160985. UNIT CONFIGURATION = SEC. 22: S/2SE/4 AND SEC. 27: N/2NE/4. Noble 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. Waiver attached.

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: 6/8/2011 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. Nesline Director of COGCC Date: 7/5/2011

Permit Number: \_\_\_\_\_ Expiration Date: 7/4/2013

**API NUMBER**

05 123 33852 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)Note surface casing setting depth change from 650' to 770'. Increase cement coverage accordingly and cement to surface.
- 2)Provide 24 hour notice of MIRU to Bo Brown via e-mail at bo.brown@state.co.us.
- 3)Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above the Niobrara and from 200' below Sussex to 200' above Sussex. Verify coverage with 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
1771054	SURFACE CASING CHECK
2530763	PROPOSED SPACING UNIT
400160991	FORM 2 SUBMITTED
400172469	WELL LOCATION PLAT
400172470	DRILLING PLAN
400172524	EXCEPTION LOC WAIVERS
400173728	30 DAY NOTICE LETTER
400173729	EXCEPTION LOC REQUEST

Total Attach: 8 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Updated with new spacing unit maps.	6/14/2011 10:10:28 AM
Permit	On hold 20 day cert. letter incorrect.	6/14/2011 6:52:08 AM
Permit	On holdNeed a different lease for this bottom hole	6/10/2011 3:57:01 PM
Permit	Sfc loc shown on plat attached to 30 day notification letters shows different location than does letter. Awaiting clarification from Kajiwarra/Noble.	6/9/2011 11:11:31 AM

Total: 4 comment(s)

## **BMP**

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR-039527. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.
Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.

Total: 3 comment(s)