


<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:  400124288  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 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>MARI CLARK</u> Phone: <u>(303)228-4413</u> Fax: <u>(303)228-4286</u> Email: <u>mclark@nobleenergyinc.com</u>							
7. Well Name: <u>BROWN PC E</u>		Well Number: <u>02-31D</u>					
8. Unit Name (if appl): _____		Unit Number: _____					
9. Proposed Total Measured Depth: <u>7443</u>							
<b>WELL LOCATION INFORMATION</b>							
10. QtrQtr: <u>SENE</u> Sec: <u>3</u> Twp: <u>6N</u> Rng: <u>65W</u> Meridian: <u>6</u> Latitude: <u>40.516310</u> Longitude: <u>-104.640630</u>							
Footage at Surface: <u>2445</u> feet    FNL/FSL <u>FNL</u> <u>240</u> feet    FEL/FWL <u>FEL</u>							
11. Field Name: <u>Wattenberg</u>		Field Number: <u>90750</u>					
12. Ground Elevation: <u>4836</u>		13. County: <u>WELD</u>					
14. GPS Data: Date of Measurement: <u>12/13/2010</u> PDOP Reading: <u>1.9</u> Instrument Operator's Name: <u>ROBERT DALEY</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 <u>1320</u> FNL <u>FNL</u> 100    FWL <u>FWL</u> Bottom Hole: FNL/FSL <u>1320</u> FNL <u>FNL</u> 100    FWL <u>FWL</u> Sec: <u>2</u> Twp: <u>6N</u> Rng: <u>65W</u> Sec: <u>2</u> Twp: <u>6N</u> Rng: <u>65W</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>225</u> ft							
18. Distance to nearest property line: <u>200</u> ft    19. Distance to nearest well permitted/completed in the same formation: <u>835</u> ft							
<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 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. 3: T6N-R65W: S/2 NE/4

25. Distance to Nearest Mineral Lease Line: 171 ft 26. Total Acres in Lease: 80

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

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+1/2	8+5/8	24	0	650	308	650	0
1ST	7+7/8	4+1/2	11.6	0	7,443	687	7,443	

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. UNIT CONFIGURATION = T6N-R65W, SEC. 2: NW/4NW/4, SE/4NW/4 AND SEC. 3: NE/4NE/4, SE/4NE/4. NOBLE WILL UTILIZE A RIG WITH HEIGHT IN ACCORDANCE WITH RIG HEIGHT RESTRICTION FOR SENSITIVE IMPROVEMENT. WELL IS TO BE TWINNED WITH PROPOSED BROWN PC E02-32D, BICKLING E02-33D & BICKLING PC E03-22D CREATING A 4 WELL PAD. 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: MARI CLARK

Title: Regulatory Analyst II Date: 3/31/2011 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: David S. Neslin Director of COGCC Date: 4/22/2011

Permit Number: \_\_\_\_\_ Expiration Date: 4/21/2013

**API NUMBER**

05 123 33412 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 hour notice of MIRU to Bo Brown at 970-397-4124 or e-mail at bo.brown@state.co.us.
- 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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
400124288	FORM 2 SUBMITTED
400148696	DEVIATED DRILLING PLAN
400148702	EXCEPTION LOC WAIVERS
400148703	WELL LOCATION PLAT
400148705	30 DAY NOTICE LETTER
400148710	EXCEPTION LOC REQUEST
400148712	PROPOSED SPACING UNIT

Total Attach: 7 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected Qtr/Qtr from Lot 1 to SENE. sf	4/1/2011 2:03:44 PM

Total: 1 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)