

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		DE ET OE ES
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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:
 400160987
 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: RHINO D Well Number: 27-19D

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Measured Depth: 7530

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 27 Twp: 3N Rng: 64W Meridian: 6
 Latitude: 40.196230 Longitude: -104.538060

Footage at Surface: FNL/FSL FEL/FWL
2590 feet FSL 2493 feet FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4866 13. County: WELD

14. GPS Data:

Date of Measurement: 03/11/2011 PDOP Reading: 2.1 Instrument Operator's Name: DAVID C HOLMES

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

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL
1320 FNL 1320 FWL 1320 FNL 1320 FWL
 Sec: 27 Twp: 3N Rng: 64W Sec: 27 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: 5280 ft

18. Distance to nearest property line: 2493 ft 19. Distance to nearest well permitted/completed in the same formation: 470 ft

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	NW/4
NIOBRARA	NBRR	407-87	160	NW/4

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):
SEE ATTACHED
25. Distance to Nearest Mineral Lease Line: 1320 ft 26. Total Acres in Lease: 5635

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+1/4	8+5/8	24	0	770	212	770	0
1ST	7+7/8	4+1/2	11.6	0	7,530	700	7,530	

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 = NW/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 33846 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
400160987	FORM 2 SUBMITTED
400172305	LEGAL/LEASE DESCRIPTION
400172306	WELL LOCATION PLAT
400172312	DEVIATED DRILLING PLAN
400172544	EXCEPTION LOC WAIVERS
400173721	30 DAY NOTICE LETTER
400173722	EXCEPTION LOC REQUEST

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Requested clarification of surface locations shown on 30 day notice letter. Letter states sfc loc properly, map shows it incorrectly. ok now.	6/9/2011 10:04:16 AM

Total: 1 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
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.
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.
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)