

APPLICATION FOR PERMIT TO:

1. **Drill,** Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL

OIL GAS COALBED OTHER _____

SINGLE ZONE MULTIPLE COMMINGLE

Refiling Sidetrack

Document Number: 400190950
PluggingBond SuretyID: 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: BADGER FEDERAL LF Well Number: 03-64HN

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

9. Proposed Total Measured Depth: 10607

WELL LOCATION INFORMATION

10. QtrQtr: NESE Sec: 4 Twp: 8N Rng: 60W Meridian: 6
Latitude: 40.689760 Longitude: -104.086960

Footage at Surface: 2030 feet FNL/FSL FSL 260 feet FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4912 13. County: WELD

14. GPS Data:
Date of Measurement: 04/26/2011 PDOP Reading: 2.1 Instrument Operator's Name: MARK A HALL

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

2025 FSL 670 FWL 2000 FSL 675 FEL

Sec: 3 Twp: 8N Rng: 60W Sec: 3 Twp: 8N Rng: 60W

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: 245 ft

18. Distance to nearest property line: 230 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 5280 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.)
NIOBRARA	NBRR	535-3	640	All

21. Mineral Ownership: Fee State Federal Indian Lease #: COC073402

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 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: 670 ft 26. Total Acres in Lease: 2534

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
CONDUCTOR	18+1/2	16	0	0	100	6	100	
SURF	13+3/4	9+5/8	36	0	770	260	770	0
1ST	8+3/4	7	26	0	6,646	612	6,646	
1ST LINER	6+1/8	4+1/2	11.6	5434	10,607			

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

33. Comments Production liner will be hung off inside of the 7" casing. First string top of cement will be 200' above the Niobrara formation. Surface owned by US Forest Service.

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: 8/8/2011 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: 9/15/2011

API NUMBER
05 123 34384 00

Permit Number: _____ Expiration Date: 9/14/2013

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 Colby Horton at 970-467-2517 or e-mail at colby.horton@state.co.us.
- 2) Set at least 770' of surface casing per Rule 317d, cement to surface.
- 3) Provide cement coverage from base of 7" intermediate casing to a minimum of 200' above Niobrara. 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.

PROPOSED HORIZONTAL WELL BORE IS TO BE DRILLED INTO FEDERAL MINERALS. OPERATOR DISCUSSION WITH BLM REQUIRED: UNLEASED FEDERAL MINERALS CANNOT BE DRILLED UPON/PRODUCED REGARDLESS OF SPACING ORDER: REQUIRED SETBACKS TO BE MAINTAINED. FEDERAL DRILLING PERMIT REQUIRED.

Attachment Check List

Att Doc Num	Name
2505791	SURFACE CASING CHECK
400190950	FORM 2 SUBMITTED
400195615	DEVIATED DRILLING PLAN
400198968	30 DAY NOTICE LETTER
400198969	WELL LOCATION PLAT
400198970	LEGAL/LEASE DESCRIPTION

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	BLM notified.	8/25/2011 6:28:22 AM
Permit	Returned to draft. Described mineral lease does not cover the bottom hole location.	3/9/2011 6:59:30 AM

Total: 2 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
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.
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-038637. 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.

Total: 3 comment(s)