

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
Document Number: 400190502			
PluggingBond SuretyID 20030009			

APPLICATION FOR PERMIT TO:

1. ☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☒ GAS ☐ COALBED ☐ OTHER \_\_\_\_\_  
SINGLE ZONE ☒ MULTIPLE ☐ COMMINGLE ☐

Refilling ☐  
Sidetrack ☐

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: SUSAN MILLER Phone: (303)228-4246 Fax: (303)228-4286  
Email: smiller@nobleenergyinc.com  
7. Well Name: FURROW FEDERAL PC Well Number: AB14-64HN  
8. Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_  
9. Proposed Total Measured Depth: 11276

WELL LOCATION INFORMATION

10. QtrQtr: NWSW Sec: 14 Twp: 7N Rng: 64W Meridian: 6  
Latitude: 40.570550 Longitude: -104.525140

Footage at Surface: 1657 feet FNL/FSL 250 feet FEL/FWL FWL

11. Field Name: Wattenberg Field Number: 90750  
12. Ground Elevation: 4807 13. County: WELD

14. GPS Data:

Date of Measurement: 07/05/2011 PDOP Reading: 1.4 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 1977 FSL 748 FWL FWL Bottom Hole: FNL/FSL 1980 FSL 535 FEL FEL  
Sec: 14 Twp: 7N Rng: 64W Sec: 14 Twp: 7N 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: 4940 ft

18. Distance to nearest property line: 250 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 1300 ft

20. 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	Unspaced	320	GWA

21. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian Lease #: COC071630

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):

S/2 Section 14: T7N-R64W. Please note: the BLM owns 50% of the minerals in the SE/4; the surface owner owns the remaining minerals in the SE/4 and all the minerals in the SW/4 (see mineral lease map attached). Noble is party to executed Oil & Gas Lease(s) with the Surface Owner and the BLM. Noble is also party to an executed Surface Use Agreement with the Surface Owner (copy attached for reference). Noble Energy Inc. certifies that the leases shall be committed to the unit.

25. Distance to Nearest Mineral Lease Line: 535 ft

26. Total Acres in Lease: 320

### 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	100	6	100	0
SURF	13+3/4	9+5/8	36	0	750	372	750	0
1ST	8+3/4	7	26	0	7,266	508	7,266	
1ST LINER	6+1/8	4+1/2	11.6	6053	11,276			

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

33. Comments First string top of cement will be 200' above the Niobrara formation. Production liner will be hung off inside of the 7" casing. This is part of a 4-well multi-well pad which includes Furrow Federal PC AB14-65HN, Furrow Federal PC AB14-64HN, Furrow Federal PC AB14-63HN and Furrow Federal PC AB14-62HN. See 2A doc. no. 400190512 which covers all 4 locations. Unit Configuration: S/2 Section 14, T7N-R64W. Request to the Director for exception to 318A.a and 318A.c is attached in order to comply with requirements.

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: SUSAN MILLER

Title: Regulatory Analyst II Date: 12/12/2011 Email: smiller@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: 1/8/2012

#### API NUMBER

05 123 34929 00

Permit Number: \_\_\_\_\_ Expiration Date: 1/7/2014

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.

Requires water well sampling. Opr notified. Ready to pass pending public comment 1/2/12

- 1)Provide 24 hour notice of MIRU to Jim Precup via e-mail at james.precup@state.co.us.
- 2)Comply with Rule 317.i and provide cement coverage from the end of the production casing to a minimum of 200' above the Niobrara. Verify coverage with a cement bond log.
- 3)Comply with Rule 321. Run and submit Directional Survey from the end of production casing 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
2481351	SURFACE CASING CHECK
400190502	FORM 2 SUBMITTED
400190509	30 DAY NOTICE LETTER
400190510	EXCEPTION LOC WAIVERS
400202326	EXCEPTION LOC REQUEST
400202956	WELL LOCATION PLAT
400202957	DEVIATED DRILLING PLAN
400202958	PROPOSED SPACING UNIT
400231128	PROPOSED SPACING UNIT
400231129	MINERAL LEASE MAP
400231130	SURFACE AGRMT/SURETY
400231139	PROPOSED SPACING UNIT
400237571	DEVIATED DRILLING PLAN

Total Attach: 13 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Final review complete.	1/3/2012 9:20:33 AM
Permit	Changed mineral owner to fee from fed at operators request.	12/12/2011 2:18:31 PM

Total: 2 comment(s)

## **BMP**

<b><u>Type</u></b>	<b><u>Comment</u></b>
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) and 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	General 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 pick up 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)