

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



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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:

400094162

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: Susan Miller Phone: (303)228-4246 Fax: (303)228-4286

Email: smiller@nobleenergyinc.com

7. Well Name: KLEIN Well Number: B16-99HZ

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

9. Proposed Total Measured Depth: 12212

## WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 16 Twp: 5N Rng: 64W Meridian: 6

Latitude: 40.392960 Longitude: -104.548380

Footage at Surface: 312 FNL/FSL FSL 809 FEL/FWL FEL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4607 13. County: WELD

## 14. GPS Data:

Date of Measurement: 08/25/2010 PDOP Reading: 2.0 Instrument Operator's Name: BRIAN BRINKMAN

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  
 956 FSL 911 FEL 460 FNL 1233 FWL  
 Sec: 16 Twp: 5N Rng: 64W Sec: 16 Twp: 5N 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: 317 ft

18. Distance to nearest property line: 274 ft 19. Distance to nearest well permitted/completed in the same formation: 1092 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		640	All

21. Mineral Ownership: ☐ Fee ☒ State ☐ Federal ☐ Indian Lease #: 81/6052-S

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):

Township 5-North, Range 64-West Section 16: All. Noble Energy Inc certifies that the leases shall be committed to the unit.

25. Distance to Nearest Mineral Lease Line: 460 ft 26. Total Acres in Lease: 640

### 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 27 or 28 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☒ No If 28, 29, or 30 are "Yes" a pit permit may be required.

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	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
CONDUCTOR	18+1/2	16		100	6	100	0
SURF	12+1/4	8+5/8	24	600	230	600	0
1ST	8+3/4	7	26	7,017	630	7,017	
1ST LINER	6+1/8	4+1/2	11.6	12,212			

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. THIS IS PART OF A 3-WELL, MULTI-WELL PAD WHICH INCLUDES: PROPOSED KLEIN B16-99HZ (REF WELL), KLEIN B16-98HZ, KLEIN B15-13D. FORM 2A FILED UNDER DOC. NO. 400094134. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE OF 7" CASING.

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: \_\_\_\_\_ 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: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

Permit Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

**API NUMBER**

05

**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.

**Attachment Check List**

Att Doc Num	Name	Doc Description
400094290	30 DAY NOTICE LETTER	30 Day Notice.pdf
400094291	EXCEPTION LOC WAIVERS	318Aa(1), Ac(2) Waiver.pdf
400105176	WELL LOCATION PLAT	Approved Plat.pdf
400105178	DEVIATED DRILLING PLAN	Dir Drilling Plan.pdf
400105513	EXCEPTION LOC REQUEST	318Aa(1), Ac(2) Dir Letter.pdf
400106166	PROPOSED SPACING UNIT	318Ae Spacing Unit Plat.pdf
400106170	OTHER	20 Day Cert Letter.pdf
400106172	PROPOSED SPACING UNIT	318Ae Spacing Unit Map.pdf

Total Attach: 8 Files