

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:

400027122

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: MOSIER Well Number: K23-21D

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

9. Proposed Total Measured Depth: 7896

## WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 23 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.296640 Longitude: -104.744930

 Footage at Surface: 2359 FNL/FSL 2522 FEL/FWL  
 FSL FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4726 13. County: WELD

## 14. GPS Data:

Date of Measurement: 09/23/2009 PDOP Reading: 1.2 Instrument Operator's Name: STEVEN A. LUND

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  
 2566 FNL 2576 FEL 2566 FNL 2576 FEL  
 Sec: 23 Twp: 4N Rng: 66W Sec: 23 Twp: 4N Rng: 66W
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: 1200 ft

18. Distance to nearest property line: 138 ft 19. Distance to nearest well permitted/completed in the same formation: 724 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.)
CODELL	CODL	407-87	160	SEE COMMENTS
J SAND	JSND	232-23	160	SEE COMMENTS
NIOBRARA	NBRR	407-87	160	SEE COMMENTS

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#: \_\_\_\_\_

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 4 North-Range 66 West, Section 23 SW/4: except a 2.57 acre tract in the NW corner beginning at the NW corner of he SW/4 of Section 23, thence South 236', thence east to the North line of Section 23 474', thence North 236', thence West 474' to the point of beginning.

25. Distance to Nearest Mineral Lease Line: 75 ft 26. Total Acres in Lease: 158

### 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: \_\_\_\_\_

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
SURF	12+1/4	8+5/8	24	550	236	550	0
1ST	7+7/8	4+1/2	11.6	7,896	753	7,896	

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

33. Comments No conductor casing will be used. 1st string top of cement will be 200' above the Niobrara formation. Unit configuration for Codell, Niobrara and J Sand formations: SWNE, SENW, NESW, NWSE. Operator requests approval of Rule 603.a.(2) exception location for well location 138' from nearest property line, request letter and signed waiver attached. This well is part of a 6-well multi-well pad.

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
400056969	30 DAY NOTICE LETTER	30 day.pdf
400056971	WELL LOCATION PLAT	Loc plat.pdf
400056994	EXCEPTION LOC REQUEST	Prop Line Request Ltr.pdf
400056995	EXCEPTION LOC WAIVERS	Prop Line Waiver.pdf
400057003	DEVIATED DRILLING PLAN	Dir Plan.pdf
400057210	PROPOSED SPACING UNIT	20 day Certif Kerr-Mcgee.pdf
400057216	PROPOSED SPACING UNIT	20 Day certif Request Ltr.pdf
400057218	PROPOSED SPACING UNIT	318Ae Spacing maps.pdf
400057220	EXCEPTION LOC REQUEST	Aa, Ae, Ac Request Ltr.pdf
400057221	EXCEPTION LOC WAIVERS	Aa, Ae, Ac Waiver.pdf

Total Attach: 10 Files