

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:

400102809

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: Cheryl Johnson Phone: (303)228-4437 Fax: (303)228-4286

Email: cheryljohnson@nobleenergyinc.com

7. Well Name: Aloysius Well Number: C34-99HZ

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

9. Proposed Total Measured Depth: 10631

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 34 Twp: 4N Rng: 64W Meridian: 6

Latitude: 40.267100 Longitude: -104.529910

Footage at Surface: 1946 feet FNL/FSL FSL 636 feet FEL/FWL FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4692 13. County: WELD

14. GPS Data:

Date of Measurement: 09/16/2010 PDOP Reading: 2.6 Instrument Operator's Name: David Holmes

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

Footage at Top of Prod Zone: FNL/FSL 1830 FSL 1280 FEL 1200 FEL/FWL 460 FWL 1200
Sec: 34 Twp: 4N Rng: 64W Sec: 34 Twp: 4N 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: 680 ft

18. Distance to nearest property line: 636 ft 19. Distance to nearest well permitted/completed in the same formation: 403 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		320	S/2

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 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 mineral lease map. (Actual acreage is 4737.74.) Noble Energy certifies that the leases shall be committed to the unit.

25. Distance to Nearest Mineral Lease Line: 460 ft 26. Total Acres in Lease: 4737

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	0	100	6	100	0
SURF	12+1/4	9+5/8	36	600	230	600	0
1ST	8+3/4	7	26	7,034	650	7,034	
1ST LINER	6+1/8	4+1/2	11.6	10,631		10,631	

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

33. Comments Conductor casing won't be used for this well. 1st String TOC = 200 ft above Niobrara. The proposed well will be on the same location as the Aloysius C34-9 and the Aloysius C34-22D. Production will go to the Donovan D02-30 Tank loc #418174. Due to BHL count in the section a sundry has been submitted to cancel the Gittlein D03-29 APD (05-123-31873).

34. Location ID: 327480

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: Cheryl Johnson

Title: Regulatory Analyst II Date: 11/5/2010 Email: cheryljohnson@nobleenergyinc

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: 12/5/2010

Permit Number: _____ Expiration Date: 12/4/2012

API NUMBER

05 123 32694 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) Provide 24 hr notice of MIRU to Bo Brown at 970-330-6085 or email at bo.brown@state.co.us.
- 2) Set surface casing per Rule 317d, cement to surface. Setting surface casing less than the approved depth is a permit violation unless prior written approval is obtained from the COGCC.
- 3) If completed, provide cement coverage from the intermediate casing shoe to a minimum of 200' above Niobrara. Verify cement with a 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
1726257	SURFACE CASING CHECK
400102809	FORM 2 SUBMITTED
400103458	30 DAY NOTICE LETTER
400106532	PLAT
400106533	DEVIATED DRILLING PLAN
400106534	MINERAL LEASE MAP

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Permit	With the approval of this permit, the potential in future ongoing operations to exceed the count of 8 completions within Niobrara may occur under COGCC policy for common sources and supply. Any well in the (--) quarter of this section (--) producing from the Codell Formation cannot be recompleted in the common source Niobrara Formation without first being preceded by a well count to determine if a violation of rule 318Af is occurring. There shall be no more than 8 completions in the Niobrara in any governmental qtr section.	11/22/2010 4:32:15 PM
Permit	Permitted Niorara has been removed from a nearby well to keep well count legal.	11/22/2010 4:29:04 PM
Permit	This well appears to be the 9 nth Niobrara completion/permit in the SE/4	11/11/2010 8:00:07 AM

Total: 3 comment(s)

BMP

Type	Comment

Total: 0 comment(s)