

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 ☒ COMMINGLE ☐

Refiling ☐

Sidetrack ☒

Document Number:

400249406

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: SUSAN MILLER Phone: (303)228-4246 Fax: (303)228-4286

Email: smiller@nobleenergyinc.com

7. Well Name: ALTER Well Number: C16-29DX

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

9. Proposed Total Measured Depth: 7086

WELL LOCATION INFORMATION

10. QtrQtr: SWSW Sec: 9 Twp: 4N Rng: 64W Meridian: 6

Latitude: 40.321130 Longitude: -104.562700

Footage at Surface: 535 feet FNL/FSL 656 feet FEL/FWL
FSL FWL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4700 13. County: WELD

14. GPS Data:

Date of Measurement: 02/07/2012 PDOP Reading: 0.8 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
146 FSL 1076 FWL 146 FSL 1076 FWL
Sec: 9 Twp: 4N Rng: 64W Sec: 9 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: 241 ft

18. Distance to nearest property line: 234 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 897 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	GWA
Niobrara	NBRR	407-87	160	GWA

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):

SW/4 of Section 9, T4N-R64W. Please see Surface Use Agreement attached.

25. Distance to Nearest Mineral Lease Line: 150 ft

26. Total Acres in Lease: 160

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	24	16	88.2	0	64	6	64	0
SURF	12+1/4	8+5/8	24	0	753	328	753	0
1ST	7+7/8	4+1/2	11.6	0	7,086	563	7,086	

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. On Monday, 2/6/12 while drilling the Alter C16-29D well, Noble Energy Inc. determined that the Codell formation was faulted out and therefore an unplanned sidetrack operation would be required to finish drilling the well. On 2/6/12, Noble given approval to proceed with the sidetrack operations by the COGCC. Original Permitted BHL: 75' FNL, 1320' FWL, Section 16, T04N-R64W New BHL: 150' FSL and 1028' FWL, Section 9, T04N-R64W Proposed KOP: 2000' Well is to be twinned with approved Mark Alter C16-79HN and proposed Alter C09-24D, Alter C09-24D, Alter C09-33D and Alter C16-29DX making a 5-well pad. Unit Configuration remains the same: S/2SW/4 Section 9, N/2NW/4 of Section 16.

34. Location ID: 329316

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: 2/7/2012

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. Nesline

Director of COGCC

Date: 2/10/2012

API NUMBER

05 123 34722 01

Permit Number: _____ Expiration Date: 2/9/2014

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.

Attachment Check List

Att Doc Num	Name
400249406	FORM 2 SUBMITTED
400249426	DEVIATED DRILLING PLAN
400249433	OTHER
400249662	SURFACE AGRMT/SURETY
400249803	MULTI-WELL PLAN
400249804	WELL LOCATION PLAT
400249809	DIRECTIONAL DATA

Total Attach: 7 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Permission given to proceed with sidetrack 2/6.	2/8/2012 3:25:26 PM
Permit	Operator corrected #19. This form has passed completeness.	2/8/2012 10:37:50 AM
Permit	Returned to draft. Missing #19	2/8/2012 10:17:01 AM
Permit	Returned to draft. Missing #19	2/8/2012 8:16:15 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
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.
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.
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)