

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

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: Liz Lindow Phone: (303)228-4342 Fax: (303)228-4286
Email: llindow@nobleenergyinc.com

7. Well Name: Wells Ranch AA Well Number: 21-66-1HN

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

9. Proposed Total Measured Depth: 10843

WELL LOCATION INFORMATION

10. QtrQtr: SENE Sec: 21 Twp: 6N Rng: 63W Meridian: 6
Latitude: 40.474750 Longitude: -104.434020

Footage at Surface: 1674 feet FNL 423 feet FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4727 13. County: WELD

14. GPS Data:
Date of Measurement: 10/19/2012 PDOP Reading: 1.6 Instrument Operator's Name: Adam Kelly

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
2308 FNL 875 FEL 2310 FNL 535 FWL
Sec: 21 Twp: 6N Rng: 63W Sec: 21 Twp: 6N Rng: 63W

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: 1648 ft
18. Distance to nearest property line: 423 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 226 ft

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	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):

E2, W2 of Sec. 21, T6N R63W and other leases. Horizontal wellbore crosses multiple lease lines within drilling and spacing unit. Distance to mineral lease line is 0', distance to unit boundary is 535'

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 627

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: _____

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	0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	890	410	890	0
1ST	8+3/4	7	26	0	7,054	480	7,054	0
1ST LINER	6+1/8	4+1/2	11.6	6904	10,843			

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

33. Comments 1ST STRING TOP OF CEMENT = 200' ABOVE NIOBRARA. THE PRODUCTION LINER WILL BE HUNG OFF INSIDE 7" CASING. UNIT CONFIGURATION = S2N2 and N2S2 in Sec. 21 T6N R63W, 320 acres. Wellhead is to be located outside of a GWA drilling window. Noble requests an exception location to 318Aa, 318Ac. Exception requests and waivers attached.

34. Location ID: 310693

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: Liz Lindow

Title: Regulatory Analyst Date: 5/30/2013 Email: llindow@nobleenergyinc.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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: Matthew Lee Director of COGCC Date: 7/21/2013

API NUMBER
05 123 37712 00

Permit Number: _____ Expiration Date: 7/20/2015

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 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage to a minimum of 200' above Niobrara. Verify coverage with cement bond log.
- 3) 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.

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area.

Attachment Check List

Att Doc Num	Name
400386464	FORM 2 SUBMITTED
400386476	30 DAY NOTICE LETTER
400386485	EXCEPTION LOC WAIVERS
400386489	WELL LOCATION PLAT
400392508	DEVIATED DRILLING PLAN
400392510	DIRECTIONAL DATA
400426782	OFFSET WELL EVALUATION
400426785	EXCEPTION LOC REQUEST
400426795	PROPOSED SPACING UNIT

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. No LGD or public comments.	7/17/2013 6:41:24 AM
Engineer	Evaluated any existing wells within 500' of proposed directional.	6/27/2013 2:07:37 PM
Permit	Operator requested the change of the distance to the nearest property to 423'.	5/4/2013 9:49:54 AM
Permit	Form 2A doc. # 400386273 still in DRAFT at the time. Need to verify footages when the form 2A is submitted.	6/3/2013 10:18:41 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	Noble Energy will comply with the COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated 5/29/12. The Colorado Oil and Gas Conservation Commission (COGCC) has established this Policy Regarding Bradenhead Monitoring During Hydraulic Fracturing Treatments ("Treatment") in the Greater Wattenberg Area ("GWA") pursuant to COGCC 207.a. ("Policy"). This Policy applies to oil and gas operations in the GWA as defined by the COGCC Rules of Practice and Procedure.

Total: 1 comment(s)