

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

400382996

Date Received:

04/19/2013

PluggingBond SuretyID

20030009

## 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: 21-62-1HN

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

9. Proposed Total Measured Depth: 10816

## WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 21 Twp: 6N Rng: 63W Meridian: 6

Latitude: 40.467480 Longitude: -104.434140

Footage at Surface: 951 feet FSL 528 feet FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4731 13. County: WELD

### 14. GPS Data:

Date of Measurement: 10/19/2012 PDOP Reading: 1.4 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 \_\_\_\_\_  
330 FSL 877 FEL 330 FSL 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: 4297 ft

18. Distance to nearest property line: 528 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 335 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	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):  
 E/2, W/2 (except for a small portion in the NW4), T6N R63W 6th PM. 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: 628

**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	7,053	480	7,053	0
1ST LINER	6+1/8	4+1/2	11.6	6903	10,816			

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 = Sec. S/2S/2 of Sec. 21 and N/2N/2 of Sec. 28 T6N R63W, 320 acres. Wellhead is to be located outside of a GWA drilling window. Noble requests an exception location to 318Aa, 318Ac, 318Am. Exception requests and waivers attached.

34. Location ID: 310685  
 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: 4/19/2013                      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: 6/26/2013

API NUMBER: **05 123 37598 00**                      Permit Number: \_\_\_\_\_                      Expiration Date: 6/25/2015

**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
400382996	FORM 2 SUBMITTED
400383818	30 DAY NOTICE LETTER
400383819	EXCEPTION LOC WAIVERS
400383820	WELL LOCATION PLAT
400392217	DEVIATED DRILLING PLAN
400392222	DIRECTIONAL DATA
400404707	EXCEPTION LOC REQUEST
400404720	PROPOSED SPACING UNIT
400406664	OFFSET WELL EVALUATION
400406668	VARIANCE REQUEST

Total Attach: 10 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Permit	Operator requests approval of a Rule 318Aa exception location: Wellhead is to be located outside of a GWA drilling window. Request and Waiver attached.	6/26/2013 3:57:43 PM
Permit	Final Review Completed. No LGD or public comment received.	6/25/2013 1:43:45 PM
Permit	Per operator there are no state minerals under the surface location. Added Anti-collisson & Bradenhead BMP's. corrected PSU. ok to pass.	6/25/2013 1:43:45 PM
Permit	Operator requesting review of applications. w/o form 2A. confirmation of mineral ownership.	6/20/2013 1:03:09 PM
Permit	Final review completed. No LGD or public comments.	6/3/2013 11:51:12 AM
Permit	Received request to change distance to the nearest well from operator.	5/3/2013 5:21:24 AM
Engineer	Evaluated any existing wells within 500' of proposed directional.	5/2/2013 12:32:35 PM
Permit	Review distance to the nearest well permitted/completed in same formation. Looks closer to 300'.	4/30/2013 12:28:20 PM
Permit	This form has passed completeness.	4/22/2013 11:08:30 AM

Total: 9 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	Prior to drilling operations, Operator will perform an anti-collision scan of existing offset wells that have the potential of being within close proximity of the proposed well. This anti-collision scan will include definitive MWD or gyro surveys of the offset wells with included error of uncertainty per survey instrument, and compared against the proposed wellpath with its respective error of uncertainty. If current surveys do not exist for the offset wells, Operator may have gyro surveys conducted to verify bottomhole location. The proposed well will only be drilled if the anti-collision scan results indicate that there is not a risk for collision, or harm to people or the environment. For the proposed well, upon conclusion of drilling operations, an as-constructed gyro survey will be submitted to COGCC with the Form 5.
Drilling/Completion Operations	Operator will comply with COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated May 29, 2012. (attached)

Total: 2 comment(s)