

FORM  
2

Rev  
12/05

# State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400371116

Date Received:

02/28/2013

## 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

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: Justin Garrett Phone: (303)228-4449 Fax: (303)228-4286  
Email: JGGarrett@nobleenergyinc.com

7. Well Name: Wells Ranch USX Well Number: AE07-66-1HN

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

9. Proposed Total Measured Depth: 11382

### WELL LOCATION INFORMATION

10. QtrQtr: NENE Sec: 12 Twp: 6N Rng: 63W Meridian: 6  
Latitude: 40.505770 Longitude: -104.375160

Footage at Surface: 959 feet FNL 67 feet FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4887 13. County: WELD

### 14. GPS Data:

Date of Measurement: 06/27/2012 PDOP Reading: 1.1 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 \_\_\_\_\_  
2310 FNL 743 FWL 2310 FNL 535 FEL  
Sec: 7 Twp: 6N Rng: 62W Sec: 7 Twp: 6N Rng: 62W

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: 5281 ft

18. Distance to nearest property line: 67 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 0 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		320	GWA
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):  
 T6N-R63W Sec 7: All. Horizontal well crosses lease line within GWA horizontal wellbore unit; distance to lease line is 535 feet; distance to nearest unit boundary is 535 feet.

25. Distance to Nearest Mineral Lease Line: 535 ft      26. Total Acres in Lease: 638

**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	18+1/2	16+0/0		0	100	6	100	0
SURF	13+3/4	9+5/8	36	0	550	270	550	0
1ST	8+3/4	7+0/0	26	0	7,347	500	7,347	
1ST LINER	6+1/8	4+1/2	11.6	7197	11,382			

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

33. Comments    First String top of cement will be 200' above Niobrara formation. The production liner will be hung off inside 7" casing. Well is part of a 8-well pad consisting of the proposed Wells Ranch USX AE07-66-1HN (Doc #400371116), Wells Ranch USX AE07-67-1HN (Doc #400371117), Wells Ranch USX AE07-68-1HN (Doc #400371119), and Wells Ranch USX AE07-69-1HN (Doc #400371120), and the existing Wells Ranch AA12-66-1HN (API: 05-123-35632), Wells Ranch AA12-67-1HN (API: 05-123-35633), Wells Ranch AA12-68-1HN (API: 05-123-35630), and Wells Ranch AA12-69-1HN (API: 05-123-35631). The production facilities for the proposed pad will be located 1650' S of the pad site at the existing Wells Ranch AA12 EcoNode facility (Loc ID: 429012). Question 19 nearest well is Wells Ranch USX AE07-99HZ (API: 05-123-31017). Distance to nearest building, public road, above ground utility, & railroad is greater than 1 mile. Noble Energy Inc. requests approval of a Rule 318.A.m. exception location; wellhead is to be located less than 150' from an existing wellbore. Request attached. Noble Energy Inc. requests approval of Rule 318A.a Surface location outside window; 318A.c Twinning location exception; & 603a.2 Property line exception, request letter and signed waiver are attached. Unit Configuration = Sec 7: N/2S/2, S/2N/2.

34. Location ID: 429016

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: Justin Garrett

Title: Regulatory Specialist      Date: 2/28/2013      Email: JDGarrett@nobleenergyinc.co

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: 4/25/2013

Permit Number: \_\_\_\_\_      Expiration Date: 4/24/2015

<b>API NUMBER</b>
05 123 37182 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 48 hour notice prior to spud via electronic Form 42.
- 2) Provide cement coverage of intermediate casing 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
400371116	FORM 2 SUBMITTED
400386030	DIRECTIONAL DATA
400386031	30 DAY NOTICE LETTER
400386032	PLAT
400386033	DEVIATED DRILLING PLAN
400386035	OTHER
400386036	VARIANCE REQUEST
400386037	EXCEPTION LOC REQUEST
400386038	EXCEPTION LOC WAIVERS
400386039	PROPOSED SPACING UNIT
400386040	DIRECTIONAL DATA
400386074	WAIVERS
400392007	SURFACE AGRMT/SURETY

Total Attach: 13 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed. No LGD or public comments.	4/24/2013 7:25:15 AM
Engineer	Evaluated any existing wells within 500' of proposed directional.	4/8/2013 12:25:38 PM
Permit	Signed memorandum attached. Passed completeness.	3/19/2013 5:26:17 AM
Permit	Memorandum must be signed rather than combining parts of two different documents.	3/13/2013 9:25:24 AM
Permit	Request that operator remove the individual documents (SUA and signature page) and resubmit as one Document. Returned to DRAFT.	3/8/2013 7:06:29 AM
Permit	RTD: Signature still not on the memorandum.	3/4/2013 7:58:17 AM
Permit	RTD: Memorandum of Agreement does not have surface owner's signature. Operator needs to chose 1 formation.	3/1/2013 2:42:05 PM

Total: 7 comment(s)

## BMP

<u>Type</u>	<u>Comment</u>
Drilling/Completion Operations	<p>Anti-collision: 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.</p> <p>During and Post stimulation: Noble Energy will comply with the COGCC Policy for Bradenhead Monitoring During Hydraulic Fracturing Treatments in the Greater Wattenberg Area dated 5/29/12</p>
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.
General Housekeeping	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 pickup 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) 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.

Total: 4 comment(s)