

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:

400407693

Date Received:

07/27/2013

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: JAN KAJIWARA Phone: (303)228-4092 Fax: (303)228-4286  
Email: jkajiwara@nobleenergyinc.com

7. Well Name: BURTON K Well Number: 25-68-1HNM

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

9. Proposed Total Measured Depth: 14315

WELL LOCATION INFORMATION

10. QtrQtr: NWNW Sec: 25 Twp: 4N Rng: 66W Meridian: 6

Latitude: 40.289220 Longitude: -104.734070

Footage at Surface: 363 feet FNL 236 feet FWL

11. Field Name: WATTENBERG Field Number: 90750

12. Ground Elevation: 4752 13. County: WELD

14. GPS Data:

Date of Measurement: 03/27/2013 PDOP Reading: 1.8 Instrument Operator's Name: ROBERT DALEY

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

Footage at Top of Prod Zone: 988 FNL 726 FWL Bottom Hole: 990 FNL 2105 FWL  
Sec: 25 Twp: 4N Rng: 66W Sec: 30 Twp: 4N Rng: 65W

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: 226 ft

18. Distance to nearest property line: 236 ft 19. Distance to nearest well permitted/completed in the same formation(BHL): 154 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.)
NIORARA	NBRR		498	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):

W/2NW/4 SEC. 25: T4N-R66W. Horizontal well crosses lease line within GWA horizontal wellbore unit; distance to lease line is 0 feet; distance to nearest unit boundary is 533 feet.

25. Distance to Nearest Mineral Lease Line: 0 ft 26. Total Acres in Lease: 80

### 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	100	6	100	0
SURF	13+3/4	9+5/8	36	0	60	290	600	0
1ST	8+3/4	7	26	0	7523	510	7523	
1ST LINER	6+1/8	4+1/2	11.6	7373	14315			

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

33. Comments UNIT CONFIGURATION = N/2 SEC. 25, NW/4 SEC. 30. THE NEAREST WELL PERMITTED OR COMPLETED IN THE SAME FORMATION IS THE SCHMID G30-30D. PRODUCTION FACILITY 400407690 WILL BE USED FOR: BURTON K25-69-1HNL, 68-1HNM, 67-1HN and EXISTING MILLER K25-31. EXISTING FACILITY FOR THE MILLER K25-31 WILL BE RELOCATED TO NEW FACILITY NORTH OF PAD FOR THE BURTON K25-69-1HNL. NOBLE WILL USE APPROPRIATE SIZED RIG. GAS LINES LOCATED AT 192' WEST AND 204' NE OF PAD WITHIN DISTURBANCE AREA WILL NEED TO BE SHUT IN OR RELOCATED. EXCEPTION LOCATION TO RULE 318A.a and 318A.c REQUESTED AND ATTACHED. INTRAWELL DISTANCE EXCEPTION 318A.m REQUESTED & ATTACHED.

34. Location ID: \_\_\_\_\_

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: JAN KAJIWARA

Title: REGULATORY ANALYST Date: 7/27/2013 Email: jkajiwara@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: 10/30/2013

API NUMBER Permit Number: \_\_\_\_\_ Expiration Date: 10/29/2015

05 123 38367 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.

**Description**

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 2) Comply with Rule 317.i and provide cement coverage from end of 7" casing to a minimum of 200' above Niobrara and from 200' below and 200' above Sussex. Verify coverage with cement bond log.
- 3) 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.

Operator must meet water well testing requirements per Rule 318A.

**Applicable Policies and Notices to Operators**

Notice Concerning Operating Requirements for Wildlife Protection.

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
400407693	FORM 2 SUBMITTED
400449279	30 DAY NOTICE LETTER
400449282	PLAT
400449284	EXCEPTION LOC WAIVERS
400449292	PROPOSED SPACING UNIT
400449309	DEVIATED DRILLING PLAN
400449346	DIRECTIONAL DATA
400449348	OFFSET WELL EVALUATION
400458099	EXCEPTION LOC REQUEST
400460766	EXCEPTION LOC REQUEST

Total Attach: 10 Files

**General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Final review complete.	8/6/2013 9:20:39 AM
Permit	Corrected related 2A doc number and notified opr. Ready to pass pending public comment 8/22/13.	8/12/2013 2:43:58 PM
Permit	Passed completeness	8/1/2013 10:57:03 AM
Permit	Returned to draft. Attachments are mislabeled.	7/30/2013 7:09:39 AM

Total: 4 comment(s)

## Best Management Practices

No	BMP/COA Type	Description
1	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.
2	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.
3	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.
4	Drilling/Completion Operations	<p>Anti-Collision Mitigation BMP</p> <p>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 May 29, 2012.</p>

Total: 4 comment(s)