

FORM  
2  
Rev  
08/13

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:  
400759333

APPLICATION FOR PERMIT TO:

Drill       Deepen       Re-enter       Recomplete and Operate

TYPE OF WELL    OIL     GAS     COALBED     OTHER Unplanned  
ZONE TYPE      SINGLE ZONE     MULTIPLE ZONES     COMMINGLE ZONES

Refiling   
Sidetrack

Date Received:  
12/24/2014

Well Name: Oscar      Well Number: Y11-79HN  
Name of Operator: NOBLE ENERGY INC      COGCC Operator Number: 100322  
Address: 1625 BROADWAY STE 2200  
City: DENVER      State: CO      Zip: 80202  
Contact Name: Justin Garrett      Phone: (303)228 4449      Fax: (303)228 4286  
Email: JDGarrett@nobleenergyinc.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20030009

WELL LOCATION INFORMATION

QtrQtr: NESE      Sec: 10      Twp: 2N      Rng: 64W      Meridian: 6  
Latitude: 40.152220      Longitude: -104.530640

Footage at Surface: 2380 feet      FNL/FSL FSL 710 feet      FEL/FWL FEL

Field Name: WATTENBERG      Field Number: 90750  
Ground Elevation: 4929      County: WELD

GPS Data:  
Date of Measurement: 10/22/2014    PDOP Reading: 1.9    Instrument Operator's Name: David Holmes

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  
2104    FNL    75    FEL      75    FNL    75    FEL  
Sec: 10    Twp: 2N    Rng: 64W      Sec: 3    Twp: 2N    Rng: 64W

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership:  Fee       State       Federal       Indian

The Surface Owner is:     is the mineral owner beneath the location.  
(check all that apply)     is committed to an Oil and Gas Lease.  
    has signed the Oil and Gas Lease.  
    is the applicant.

The Mineral Owner beneath this Oil and Gas Location is:  Fee       State       Federal       Indian

The Minerals beneath this Oil and Gas Location will be developed by this Well: No

The right to construct the Oil and Gas Location is granted by: Surface Use Agreement

Surface damage assurance if no agreement is in place: \_\_\_\_\_ Surface Surety ID: \_\_\_\_\_

## LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

T2N, R64W, Sec 10: All, Sec 4: SE/4

Total Acres in Described Lease: 800 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # \_\_\_\_\_

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 0 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 2995 Feet

Building Unit: 2995 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 710 Feet

Above Ground Utility: 2635 Feet

Railroad: 5280 Feet

Property Line: 710 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).

- Enter 5280 for distance greater than 1 mile.

- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.

- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

## DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a:  Buffer Zone  
 Exception Zone  
 Urban Mitigation Area

- Buffer Zone – as described in Rule 604.a.(2), within 1,000' of a Building Unit

- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.

- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: \_\_\_\_\_

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: \_\_\_\_\_

## SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 253 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 556 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

## SPACING & FORMATIONS COMMENTS

Unit configuration = SE/4SE/4 of Section 34, SW/4SW/4 of Section 35 Township 3 North, Range 64 West W/2W/2 of Section 2, E/2E/2 of Section 3, E/2NE/4 of Section 10 and W/2NW/4 of Section 11, Township 2 North, Range 64 West

## OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
NIOBRARA	NBRR		559	GWA

## DRILLING PROGRAM

Proposed Total Measured Depth: 14453 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 253 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)



## OTHER LOCATION EXCEPTIONS

Check all that apply:

- Rule 318.c. Exception Location from Rule or Spacing Order Number \_\_\_\_\_
- Rule 603.a.(2) Exception Location (Property Line Setback).

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

## OPERATOR COMMENTS AND SUBMITTAL

Comments

While drilling the lateral section on the Oscar Y11-79HN, we experienced multiple MWD failures which have since led to wellbore geometry issues. Our inclination went from 93 degrees to nearly 99 degrees while drilling one stand which is where our team has decided to sidetrack.

### Sidetrack Conditions:

1. Total measured depth wellbore reached is 8,396'
2. 9 5/8" 36 ppf J-55 Surface casing at 1,156'; 7" 26 ppf P-110 Intermediate casing at 7,189.6' MD
3. There is no fish in the hole
4. No plugs will be set, this will be an open hole sidetrack planned to begin at 8,240'
5. Not applicable
6. The planned kickoff point of the sidetrack is 8,240' MD
7. Same as original, Niobrara B
8. Same as original.

### Sidetrack Procedure:

P/U Bit, motor (1.75 deg bend, 5/6 configuration, 8.3 stages), MWD tool  
TIH

Take surveys to verify hole position and previous surveys in the hole

TIH to the desired sidetrack location of 8000'

Orient motor so bend angle is pointing downwards and slightly left (150 deg GTF toolface)

Trough hole from 8000' to 8020' for one hole to prepare hole for time drilling while holding a 150 deg GTF toolface

Start timing drilling with the following parameters:

Drill 5 ft @ 5 min/ inch

Drill 4 ft @ 4 min/ inch

Drill 3 ft @ 3 min/ inch

Drill 2 ft @ 2 min/ inch

Drill 1 ft @ 1 min/ inch

Slide 15 ft further using standard sliding parameters for Niobrara formation

Rotate remainder of stand

Take survey to confirm sidetrack

Drill sidetrack as originally planned per the attached sidetrack well plan.

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: 434092

Is this application being submitted with an Oil and Gas Location Assessment application? 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 Analyst Date: 12/24/2014 Email: RegulatoryNotification@noble

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: 12/24/2014

Expiration Date: 12/23/2016

<b>API NUMBER</b>
05 123 37943 01

### Conditions Of Approval

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.

<u>COA Type</u>	<u>Description</u>

### Best Management Practices

<u>No BMP/COA Type</u>	<u>Description</u>

### 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

<u>Att Doc Num</u>	<u>Name</u>
400759333	FORM 2 SUBMITTED
400759338	DEVIATED DRILLING PLAN
400759339	CORRESPONDENCE

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Complete.	12/24/2014 2:15:24 PM
Engineer	Offset wells evaluated.	12/24/2014 1:56:38 PM
Permit	Oper. corrected dist. to prop. line, nearest well permitted, and unit boundary. Oper. corrected unit acreage and checked exception location for 318A.a and 318A.c. Waived LGD and public comment periods.	12/24/2014 1:37:14 PM
Permit	This form has passed completeness.	12/24/2014 1:10:31 PM

Total: 4 comment(s)