

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 AND OTHER LEASES. DISTANCE TO NEAREST UNIT BOUNDARY IS 540'.

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: 1760 Feet

Building Unit: 1760 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 2435 Feet

Above Ground Utility: 470 Feet

Railroad: 5280 Feet

Property Line: 550 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: 255 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 540 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 SEC. 33, SW4SW4 SEC. 34, T3N-R64W; W/2W/2 SEC. 3, E/2E/2 SEC. 4, E/2NE/4 SEC. 9, W/2NW/4 SEC. 10, T2N-R64W

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		556	GWA

DRILLING PROGRAM

Proposed Total Measured Depth: 14607 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 255 Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

Will salt based (>15,000 ppm Cl) drilling fluids be used? No

Will oil based drilling fluids be used? No

BOP Equipment Type: Annular Preventor Double Ram Rotating Head None

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 318A

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: Land application

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Beneficial reuse

Other Disposal Description:

Beneficial reuse or land application plan submitted? Yes

Reuse Facility ID: _____ or Document Number: 2614238

CASING PROGRAM

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	42	0	130	6	130	0
SURF	13+3/4	9+5/8	36	0	1154	500	1154	0
1ST	8+3/4	7	26	0	7352	500	7352	0
1ST LINER	6+1/8	4+1/2	11.6	7499	14607			

Conductor Casing is NOT planned

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- Rule 318A.a. Exception Location (GWA Windows).
- Rule 318A.c. Exception Location (GWA Twinning).

RULE 502.b VARIANCE REQUEST

Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

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

Rec'd verbal approval from Diana Burn 4/4/2014 @ 2:14 pm.
Details: While lateral drilling in 6.125" hole @ 7926' the motor failed. Rig tripped out of the hole to change motor and found 30' of motor and bit was left in the hole. Due to low probability of retrieving this fish, decision was made to sidetrack.
Total measured depth reached: 7926'
Casing set: conductor – 130' (16", 42#), surface- 1154' (9 5/8", 36#), intermediate – 7352' (7", 26#)
Description of fish: 6.125" bit, motor lower bearing assembly and motor rotor (Total length approx. 30') Approx. top of fish 7891', approx. bottom fish 7921'.
Cement plug: None to be set
Proposed depth of sidetrack kickoff: 7499'
Proposed objective for sidetrack: Steer around fish and finish drilling lateral section to original BHL.
BHL and objective formation will not change from the original lateral.

I attached a wellbore diagram that should have come with the Form 4 (Doc #400584627) that is better than the hand-drawn one I originally attached.

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 434482

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: 4/4/2014 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:  Director of COGCC Date: 4/7/2014

Expiration Date: 04/06/2016

API NUMBER

05 123 38191 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.

COA Type

Description

COA's & BMP's on original permit apply.

Best Management Practices

No BMP/COA Type

Description

No BMP/COA Type	Description

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

Att Doc Num	Name
2157607	WELLBORE DIAGRAM
400584630	FORM 2 SUBMITTED
400584788	DEVIATED DRILLING PLAN

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Permit	Req'd verbal approval correspondence & WBD. Waived LGD & public tasks. WBD included in dev. drlg. plan side view. Final Review--passed.	4/7/2014 7:48:47 AM
Permit	This form has passed completeness.	4/7/2014 7:43:47 AM
Permit	Returned to draft: 1) Cultural distances cannot be 0'. 2) Copy of verbal approval correspondence must be attachment. 3) Include BMP's from orig. permit.	4/7/2014 6:41:00 AM

Total: 3 comment(s)