



**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.)

Township 1 North, Range 65 West, Section 8: NW/4

Total Acres in Described Lease: 160 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: 546 Feet

**CULTURAL DISTANCE INFORMATION**

Distance to nearest:

Building: 675 Feet

Building Unit: 718 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 577 Feet

Above Ground Utility: 555 Feet

Railroad: 5280 Feet

Property Line: 577 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 proposed wellbore to nearest completed portion of offset wellbore permitted or completed in the same formation: 39 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 546 Feet (Enter 5280 for distance greater than 1 mile.)

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

**SPACING & FORMATIONS COMMENTS**

\_\_\_\_\_

**OBJECTIVE FORMATIONS**

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CODLL	CODL	407-87	80	E/2NW/4
NIOBRARA	NBRR	407-87	80	E/2NW/4

**DRILLING PROGRAM**

Proposed Total Measured Depth: 8095 Feet

Distance from proposed wellbore to nearest existing or permitted wellbore belonging to another operator:

39 Feet (Including plugged wells)

Will a closed-loop drilling system be used? \_\_\_\_\_

Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? \_\_\_\_\_ (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)

Will salt sections be encountered during drilling? \_\_\_\_\_

Will salt based (>15,000 ppm Cl) drilling fluids be used? \_\_\_\_\_

Will oil based drilling fluids be used? \_\_\_\_\_

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     N/A    

### DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: \_\_\_\_\_ Drilling Fluids Disposal Methods: \_\_\_\_\_

Cuttings Disposal: \_\_\_\_\_ Cuttings Disposal Method: \_\_\_\_\_

Other Disposal Description:

Beneficial reuse or land application plan submitted? \_\_\_\_\_

Reuse Facility ID: \_\_\_\_\_ or Document Number: \_\_\_\_\_

### CASING PROGRAM

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
SURF	12+1/4	8+5/8	24	0	1031	250	1031	0
1ST	7+7/8	4+1/2	11.6	0	8095	720	8118	3610

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 The Green XX 8-6 and the Green XX 8-4 wells will not be frac'd as we will be installing sensors to monitor offset horizontal wells.

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

Location ID: 305937

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: CHERYL LIGHT

Title: SR. REGULATORY ANALYST Date: 10/19/2015 Email: DJREGULATORY@ANADARK

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: 12/23/2015

Expiration Date: 12/22/2017

<b>API NUMBER</b>
05 123 23716 00

**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

No	<u>BMP/COA Type</u>	<u>Description</u>
1	Dust control	805.c. Dust: This time of year we should not have dust. We will clean any mud we track on roads.
2	Construction	803. Lighting: We will not need lights. All operations take place during daylight hours.
3	Noise mitigation	Noise Mitigation: The recompleat operation is a very short timeframe. We will be using a workover rig. The Green XX 8-6 and the Green XX 8-4 wells will not be frac'd as we will be installing sensors to monitor offset horizontal wells.
4	Emissions mitigation	912.b - The gas from this well will not be vented. We will flare it. The well is not expected to produce much gas.

Total: 4 comment(s)

## Applicable Policies and Notices to Operators

Policy
Notice Concerning Operating Requirements for Wildlife Protection. <a href="http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf">http://cogcc.state.co.us/documents/reg/Policies/Wildlife_Notice.pdf</a>

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1352307	SURFACE CASING CHECK
400919419	FORM 2 SUBMITTED
400920124	OTHER
400920125	WELLBORE DIAGRAM

Total Attach: 4 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final Review Completed.	12/22/2015 11:15:51 AM
OGLA	Spoke with Operator on the phone regarding mitigation measures. Work over rig will be used for a short time. Not expected to have too much noise, no lights as work is during the day, flaring in allowed by COGCC rules, but not expected to have any gas. COGCC added BMPs sent via email. OGLA Task Complete.	12/22/2015 10:45:29 AM
OGLA	Request nuisance mitigation BMPs from Operator.	12/16/2015 4:26:42 PM
Permit	Final Review Completed.	12/8/2015 9:58:40 AM
Permit	Per operator changed Spacing order number to 407-87 and added right to construct as bond. Permitting Review Complete.	12/8/2015 9:58:39 AM
Permit	Passed completeness.	11/5/2015 3:44:27 PM
Permit	10/23/2015: Missing Information in Cultural Setbacks Tab, Missing information in Spacing & Formations Tab (Spacing and unit information), and need to fill out the right to construct the oil and gas location is granted by. Sending back to draft for permitter to complete.	10/23/2015 1:45:59 PM

Total: 7 comment(s)