



**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.)

Part of the SE/4 of Section 30, Township 7N, 65W totalling 4.644 acres, lease map attached. Leasehold is made up of multiple leases, Synergy holds 100% of the leasehold in the SE/4 of Section 30, Township 7N, 65W. Wellbore crosses lease lines.

Total Acres in Described Lease: 4 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: 397 Feet  
 Building Unit: 501 Feet  
 High Occupancy Building Unit: 3135 Feet  
 Designated Outside Activity Area: 5280 Feet  
 Public Road: 211 Feet  
 Above Ground Utility: 251 Feet  
 Railroad: 5145 Feet  
 Property Line: 211 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: 02/14/2014

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: 12/24/2013

**SPACING and UNIT INFORMATION**

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 1933 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 1314 Feet (Enter 5280 for distance greater than 1 mile.)

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

**SPACING & FORMATIONS COMMENTS**

Operator requests the proposed spacing unit: 160 Acres consisting of the SE/4 of Section 30, 7N, 65W.

**OBJECTIVE FORMATIONS**

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
CODELL	CODL		160	GWA

**DRILLING PROGRAM**

Proposed Total Measured Depth: 7639 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 370 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)

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:     Other    

Cuttings Disposal:     OFFSITE          Cuttings Disposal Method:     Other    

Other Disposal Description:

    Land Farming    

Beneficial reuse or land application plan submitted?     No    

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	650	400	650	0
1ST	7+7/8	4+1/2	11.6	0	7639	550	7639	

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 \_\_\_\_\_

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

Location ID: \_\_\_\_\_

Is this application being submitted with an Oil and Gas Location Assessment application? Yes

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Brianne Visconti

Title: \_\_\_\_\_ Date: 1/24/2014 Email: bvisconti@syrginfo.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: 3/3/2014

Expiration Date: 03/02/2016

**API NUMBER**  
05 123 39048 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>
	Operator shall comply with Buffer Zone Move-In, Rig-Up Notice Policy dated 12-16-2013.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Comply with Rule 317.i and provide cement coverage from TD to a minimum of 200' above Niobrara. 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.
	Open hole resistivity and gamma logs shall be run to describe the stratigraphy of the entire well bore and to adequately verify the setting depth of surface casing and aquifer coverage. On a multi-well pad, these open hole logs are only required on one of the first wells drilled on the pad and the Drilling Completion Report - Form 5 for every well on the pad shall identify which well was logged.

### 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.

### Attachment Check List

<b>Att Doc Num</b>	<b>Name</b>
2114508	WELL LOCATION PLAT
2114517	LGD WAIVER
2114520	EXCEPTION LOC REQUEST
400541228	FORM 2 SUBMITTED
400541279	DIRECTIONAL DATA
400541283	OTHER
400541284	DEVIATED DRILLING PLAN
400544724	SURFACE AGRMT/SURETY
400544736	PROPOSED SPACING UNIT
400544737	EXCEPTION LOC WAIVERS

Total Attach: 10 Files

### General Comments

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Permit	Corrected cultural distances to match 2A per operator, moving well out of Exception Zone. Unchecked Rule 604.a.(1)A box. Operator agrees with nearest well distances. Operator agrees with distance to unit boundary. Attached signed Exception Location Request letter. Ready to pass.	2/25/2014 3:52:32 PM
Permit	Attached LGD Waiver. Corrected Date of Buffer Zone Notification and added Date of Notification to LGD for UMA. Checked this location is in an Urban Mitigation Area box. Cultural Setbacks do not agree with 2A. Nearest well permitted/completed in the same formation is Wattenberg Drilling Fund LLP#4 at 1933'. Distance to the unit boundary is 1314'. Distance to nearest well penetrating formation is 370'. Exception Location Request needs signature.	2/24/2014 2:27:27 PM
Permit	Attached corrected well location plat. Corrected SHL footages and GPS values to match plat. This is in an Urban Mitigation Area. WO waiver from LGD.	2/13/2014 1:41:16 PM
Permit	Passed completeness.	1/27/2014 1:29:11 PM
Permit	Returned to draft: Top of Production Zone and BHL in Well Location tab don't match Well Location Plat and Deviated Drilling Plan.	1/27/2014 11:28:44 AM

Total: 5 comment(s)