



## 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.)

See attached lease map (attached to doc # 400694598.)

Total Acres in Described Lease: 1911 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: 713 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1806 Feet  
Building Unit: 1806 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 1865 Feet  
Above Ground Utility: 1865 Feet  
Railroad: 5280 Feet  
Property Line: 1355 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: 116 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 4100 Feet (Enter 5280 for distance greater than 1 mile.)

Federal or State Unit Name (if appl): Bull Mountain Unit Number: COC67120X

## SPACING & FORMATIONS COMMENTS

This well is within the federal Bull Mountain Unit.

## OBJECTIVE FORMATIONS

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
MANCOS	MNCS			

Proposed Total Measured Depth: 13818 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 116 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)

## DRILLING PROGRAM

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     609    

**DRILLING WASTE MANAGEMENT PROGRAM**

Drilling Fluids Disposal:     OFFSITE          Drilling Fluids Disposal Methods:     Commercial Disposal    

Cuttings Disposal:     OFFSITE          Cuttings Disposal Method:     Commercial Disposal    

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
CONDUCTOR	26	20	106.5	0	80	137	80	0
SURF	16	13+3/8	54.5	0	575	270	575	0
1ST	12+1/4	9+5/8	40	0	5503	1452	5503	0
2ND	8+1/2	5+1/2	20	0	13776	1565	13776	5200

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

a. Explanation of the situation that has resulted in the need to sidetrack - The well was TD-ed at 13,870'. Attempted to run the production casing, but it wouldn't reach the TD. Started out of the hole and the casing became stuck. The casing was then cut and we attempted to remove it with jars. After at least 24 hours of using jars in an attempt to remove the cut-off casing, the fish would move a little, but would not come free. SG could not pump cement through the fish and therefore it was used as a base for the cement plug that we will use as a KOP for the sidetrack.

b. Total measured depth reached in the wellbore being plugged back - 13,870'

c. Casing set - size(s) and measured depth(s)

conductor  
20", 80'  
surface casing  
13 3/8", 575'  
intermediate casing  
9 5/8", 5503'  
Production casing  
See wellbore diagram dated 10/26/15.

d. Description of fish in the hole (if any) - including top and bottom measured depths piece of cut-off casing - top 8,425' bottom 10,117'

e. Description of proposed plugs: setting measured depths, heights, and cement volumes - 7754' to 8,390', 800' plug, 305 sks

f. Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk) class g, 1.05 cf/sk, 16.5 lb/g

g. Measured depth of proposed sidetrack kick-off point 7,792'

h. Proposed objective formation(s) for sidetrack hole - new or same as the wellbore being abandoned - same as original, Mancos

i. BHL target for sidetrack hole - new or same as the wellbore being abandoned (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the sidetrack. Drilling a sidetrack to an unapproved BHL could result in an NOAV, plugging the well, or both). New BHL. See marked up plat attached.

j. verbal/email approval to plug back and sidetrack - David Andrews verbal approval on 10/26/15 and email on 10/27/15 (see attached)

This application is in a Comprehensive Drilling Plan No CDP #: \_\_\_\_\_

Location ID: 440803

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: Catherine Dickert

Title: Env & Permit Manager Date: 10/27/2015 Email: cdickert@sginterests.com

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: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

API NUMBER

05 051 06139 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.

## Best Management Practices

**No BMP/COA Type**

**Description**

No BMP/COA Type	Description

## Attachment Check List

**Att Doc Num**

**Name**

400924518	FORM 2 SUBMITTED
400925438	CORRESPONDENCE
400925449	WELLBORE DIAGRAM
400926606	DIRECTIONAL DATA
400926928	DEVIATED DRILLING PLAN
400926946	WELL LOCATION PLAT

Total Attach: 6 Files

## General Comments

**User Group**

**Comment**

**Comment Date**

Permit	Requested Deviated Drilling Plan with side view from opr. Form back to draft.	10/28/2015 12:53:48 PM
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Total: 1 comment(s)