



**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.)

NENE SECTION 23, T32N, R9W

Total Acres in Described Lease: 2225 Described Mineral Lease is:  Fee  State  Federal  Indian

Federal or State Lease # 14-20-151-54

Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 600 Feet

**CULTURAL DISTANCE INFORMATION**

Distance to nearest:

Building: 5280 Feet

Building Unit: 5280 Feet

High Occupancy Building Unit: 5280 Feet

Designated Outside Activity Area: 5280 Feet

Public Road: 200 Feet

Above Ground Utility: 200 Feet

Railroad: 5280 Feet

Property Line: 150 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: 5280 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary \_\_\_\_\_ 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| MANCOS                 | MNCS           |                         |                               |                                      |

**DRILLING PROGRAM**

Proposed Total Measured Depth: 12070 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 5280 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? Yes

Will oil based drilling fluids be used? Yes

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: OFFSITE Drilling Fluids Disposal Methods: Other

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

OFFSITE

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        | 17+1/2       | 13+3/8         | 54.5       | 0             | 500           | 630       | 500     | 0       |
| 1ST         | 12+1/4       | 9+5/8          | 36         | 0             | 4150          | 560       | 4150    | 2200    |
| 2ND         | 8+3/4        | 7              | 23         | 0             | 6700          | 500       | 6700    | 3000    |
| 3RD         | 6+1/8        | 4+1/2          | 11.6       | 0             | 12069         | 550       | 12069   | 5700    |
|             | 12+1/4       | 9+5/8          | Stage Tool | 0             | 2200          | 530       | 2200    | 0       |

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? \_\_\_\_\_ No \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: ROBIN WOJCIK

Title: PETROLEUM ENGINEER II Date: 4/17/2014 Email: RWOJCIK@RWPC.US

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: 6/21/2014

Expiration Date: 06/20/2016

### API NUMBER

05 067 09912 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

In honor of the SUIT national sovereignty, the COGCC will not exercise regulatory authority over S. Ute surface lands or mineral ownership for those properties located within the external boundaries of the SUIT reservation. For reporting purposes only, the COGCC engineering unit does ask for and recommend doing the following:

- 1) Provide 48 hour notice of spud via COGCC form 42
- 2) Run and submit Directional Survey from TD to kick-off point
- 3) The operator shall comply with Rule 321, and it shall be the operator's responsibility to ensure that the well bore complies with setback requirements in Commission orders and/or rules prior to producing the well.
- 4) Run Cement Bond Log on 4 1/2" OD casing.
- 5) In the event of borehole problems that require drilling a sidetrack do the following:
  - Within 24 hours of occurrence and during normal business hours (8AM-5PM)
  - Contact, discuss, & receive approval from COGCC Regional Engineer – Mark Weems
  - Do not delay drilling w/o approval from COGCC Regional Engineer – Mark Weems

970-259-4587 off  
970-749-0624 cell  
mark.weems@state.co.us

## Best Management Practices

**No BMP/COA Type**

**Description**

### Attachment Check List

**Att Doc Num**

**Name**

|         |                              |
|---------|------------------------------|
| 1857429 | OFFSET WELL EVALUATION-COGCC |
| 2090413 | CONST. LAYOUT DRAWINGS       |
| 2090414 | OFFSET WELL EVALUATION       |
| 2090415 | LOCATION PICTURES            |
| 2090416 | LEGAL/LEASE DESCRIPTION      |
| 2090417 | LOCATION DRAWING             |
| 2361830 | FORM 2 SUBMITTED             |
| 2361831 | FED. SUNDRY NOTICE           |
| 2361833 | LEGAL/LEASE DESCRIPTION      |
| 2361834 | DEVIATED DRILLING PLAN       |
| 2361835 | DEVIATED DRILLING PLAN       |
| 2361836 | WELLBORE DIAGRAM             |
| 2361837 | BOP SCHEMATIC                |
| 2361838 | SURFACE PLAN                 |
| 2361839 | ACCESS ROAD MAP              |

Total Attach: 15 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

|          |  |                         |
|----------|--|-------------------------|
| Permit   | Final review complete.   | 6/19/2014<br>7:21:21 AM |
| Permit   | This permit is the lateral of a pilot/lateral drilling plan and this permit should have a sidetrack designation in the API number. Approval of this permit must follow the approval of the pilot in order that the wellbores have the correct sidetrack designation.   | 6/19/2014<br>7:19:50 AM |
| Engineer | See attachments for OFFSET WELL EVALUATIONS-COGCC for information regarding water wells within a one (1) mile radius of the surface location and two (2) more evaluations of offsetting gas wells within 1500' of the lateral.   | 5/9/2014 4:56:45<br>PM  |
| Permit   | This lateral permit approval is on hold until pilot permit is ready to be approved. Waiting on pilot hole permit.  | 5/2/2014<br>12:15:04 PM |
| Engineer | The operator plans to drill a vertical pilot hole, plug back and then drill the lateral.   | 5/1/2014 4:08:23<br>PM  |
| Permit   | Operator revised field name, distance to another well completed in same formation. Mud has both a salt and oil concentration. Directional completed based upon information sent. (per operator)  | 4/24/2014<br>2:08:47 PM |
| Permit   | Sent back to draft. Under Well Location, it appears that the field name/number is Ignacio Blanco (38300) which does not match what is provided. Under spacing and formations, the distance from Completed Portion of wellbore to nearest wellbore Permitted or Completed in the same formation is blank. In attachments, no imported Directional Drilling data has been attached. In drilling and waste plans, the question "if oil based drilling fluids will be used" has not been answered and no BOP type has been selected. | 4/22/2014<br>3:54:05 PM |

Total: 7 comment(s)