



## 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 39 North, Range 20 West, N.M.P.M.  
Section 22: N 1/2 (comprising portions of Tracts 57, 58 and 59)  
Containing 187.68 acres, more or less

Total Acres in Described Lease: 187 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: 1400 Feet

## CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 2300 Feet  
Building Unit: 5280 Feet  
High Occupancy Building Unit: 5280 Feet  
Designated Outside Activity Area: 5280 Feet  
Public Road: 1120 Feet  
Above Ground Utility: 1120 Feet  
Railroad: 5280 Feet  
Property Line: 720 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: 1810 Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 5280 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.)
DESERT CREEK	DSCR	231-8	160	

## DRILLING PROGRAM

Proposed Total Measured Depth: 6378 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: 1810 Feet (Including plugged wells)

Will a closed-loop drilling system be used? No

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 N/A

### DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: OFFSITE Drilling Fluids Disposal Methods: UIC Disposal

Cuttings Disposal: ONSITE Cuttings Disposal Method: Drilling pit

Other Disposal Description:

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
CONDUCTOR	17+1/2	13+3/8	48	0	50	18	50	0
SURF	12+1/4	8+5/8	24	0	2025	720	2025	0
1ST	7+7/8	5+1/2	17	0	6378	891	6378	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? \_\_\_\_\_ Yes \_\_\_\_\_

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

Signed: \_\_\_\_\_ Print Name: Chris Lopez \_\_\_\_\_

Title: Regulatory Specialist \_\_\_\_\_ Date: 12/2/2013 \_\_\_\_\_ Email: clopez@djsimmons.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

**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**

	Returned to Draft for the following. Missing Plugging and Abandonment Bond Surety ID. Right to construct is the signed Oil and Gas Lease. Missing distance from completed portion of wellbore to nearest unit boundary. Missing Unit Configuration.
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**Best Management Practices****No BMP/COA Type****Description**

1	Planning	The sequence of activities for the project is as follows: 1) Construct well access road: - Install pre/during BMP's; - Blade, level, crown and construct drain ditch for access road to well pad. 2) Construct well pad: - Install pre/during BMP's at well pad; - Construct well pad by leveling (with cut and fill) including drilling pit; - Set-up drilling rig with light plant and mud pit; - Complete the well; - Set surface facilities such as meter run, separator and storage tanks. 3) Construct well-tie pipeline and right-of-way: - Install pre/during BMP's; - Level right-of-way; - Excavate ditch, string pipe, bend pipe, weld pipe, lower-in and shade-in pipe; - Hydrostat pipe test; - Backfill ditch; - Restore area back to cropland.
2	Storm Water/Erosion Control	Storm water erosion BMP's are designed to reduce, prevent or control pollution by entraining sediments in runoff during and after construction.

3	Material Handling and Spill Prevention	<p>The following are examples of measures that will be taken to minimize generation of dust, construction materials and waste handling and storage, spill prevention and response:</p> <ul style="list-style-type: none"> <li>- Up to date Material Safety Data Sheets for all chemicals used on-site are maintained. It is not anticipated that reportable quantities of acids, solvents, paints, or chemicals will be stored or used for construction purposes.</li> <li>- Drums and containers will be clearly labeled. Drums of hazardous waste are labeled and dated per regulatory requirements.</li> <li>- Accumulation of waste on site is limited.</li> <li>- Best Management Practices are implemented.</li> <li>- Chemicals that are poured into smaller containers, the secondary containers will be clearly labeled and dedicated to one material. Funnels or other aids used to reduce spills, drips and splashes are used during pouring.</li> <li>- Secondary containment is covered to prevent the mixing of released materials with precipitation.</li> <li>- Proper pumps for fueling are provided to reduce leaks and spills. Drip pans are installed for fueling nozzles. Drip pans will be cleaned regularly and will not be allowed to accumulate water.</li> <li>- Storage areas, containment areas and spill response kits are inspected regularly.</li> <li>- Proper signage is installed for hazardous materials storage areas.</li> <li>- Leaks are repaired promptly and spilled material and contaminated media are cleaned up immediately.</li> <li>- Available equipment (spill pallets, mats, absorbants) is used to reduce spills, leaks and drips as well as their impacts.</li> <li>- Tailgate safety meetings are held with all personnel prior to each construction or drilling activity.</li> </ul> <p>The CDPHE will be notified of any upset or accidental spill (SWMP Administrator, (877) 518-5608) and the spill will be cleaned up immediately and the contaminated soils will be either land farmed or land filled in accordance with State, Federal or Dolores County requirements. Where a release of hazardous substances or oil exceed the reportable quantity established under 40 CFR 110, 40 CFR 117, or 40 CFR 302 during the 24-hour period, the operator must:</p> <ol style="list-style-type: none"> <li>1) Contact the SWMP Administrator (877) 518-5608</li> <li>2) Notify the National Response Center (800) 424-8802 or (202) 426-2675</li> <li>3) Update the Plan within 7 days to address reoccurrences of such releases.</li> </ol>
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4	Construction	<p>The BMP's that will be used during construction activities are based on EPA Guidance Documents and training sessions, the Colorado Discharge Permit System, the Colorado Department of Transportation training sessions and publications, good engineering practices, and other Stormwater publications.</p> <p>The BMP's to be used on this project for pre/during construction will be 6-9 inch diameter fiber logs, earth berms, hay bales, rock check dams, culverts and sediment traps. The post construction BMP's will be 6-9 inch diameter fiber logs, sediment traps and earth berms. The BMP's are designed specifically for this project to contain sediments on the project site with the intention of not allowing the sediments or any possible pollutants off-site, and more specifically not to reach the drainage of Cottonwood Canyon.</p> <ul style="list-style-type: none"> <li>- The fiber logs are designed to function for flows up to 4 cubic feet per second before failure generally occurs. One third the diameter of the fiber log will be placed in ground and staked down. The fiber logs will be placed a distance of at least three feet outside the toe of the well pad, and on the downhill side of the toe of any fills and the toe of the access road until final stabilization is achieved.</li> <li>- The hay bales and sediment trap will be located at the lowest point of the project area, allowing for outfall of stormwater but at the same time trapping sediments before outfall occurs.</li> <li>- Windrow berms shall be approximately 12-inches in height by 3-feet in width and shall be constructed on the uphill and downhill sides of the well pad to allow for an outfall of stormwater but at the same time trapping sediments and potential pollutants before outfall occurs.</li> <li>- Should dust become a problem on the project site, then dust abatement techniques of wetting the soil to keep airborne particles down may be applied to the site or any other dust abatement techniques the contractor may select that is acceptable to Dolores County, Colorado.</li> </ul> <p>The BMP's shall be installed on the access road and well pad before surface disturbing activities begin. The BMP's will be checked before each sequence of construction for integrity and prior to drilling completion activities or pipeline activities begin. The BMP's will remain in good working order until they are no longer necessary and final stabilization is achieved.</p>
5	Interim Reclamation	<p>Interim reclamation will be achieved in the following manner:</p> <ul style="list-style-type: none"> <li>- Grading and establishing original grade to contour;</li> <li>- Restoring and replacing topsoil in non-working areas;</li> <li>- Constructing proper drainage;</li> <li>- Installing interim BMP's;</li> <li>- Maintaining interim BMP's and countouring.</li> </ul>

Total: 5 comment(s)

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
400520652	TOPO MAP
400520654	LOCATION PICTURES
400520655	DRILLING PLAN
400520656	PLAT

Total Attach: 4 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)