

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.)

Total Acres in Described Lease: _____ 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: _____ Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1328 Feet
 Building Unit: 1436 Feet
 High Occupancy Building Unit: 5280 Feet
 Designated Outside Activity Area: 5280 Feet
 Public Road: 2400 Feet
 Above Ground Utility: 1398 Feet
 Railroad: 5280 Feet
 Property Line: 1809 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: _____ 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.)
ENTRADA	ENRD			

DRILLING PROGRAM

Proposed Total Measured Depth: 9710 Feet

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

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H₂S 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 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	20	16	42	0	80	50	80	0
SURF	13+1/2	9+5/8	36	0	1528	900	1528	0
1ST	8+3/4	7	23	0	8707	287	8707	6590
S.C. 1.1	8+3/4	7	23	0	6301	940	6301	0
1ST LINER	6+1/8	5+1/2	17	8660	9705	50	9705	8600

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 well is a vertical well and will be a salt water disposal well.

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 414138

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: Mickenzie Larsen

Title: Regulatory Administrator Date: 12/23/2014 Email: mickenzie_larsen@eogresourc

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: 7/7/2015

Expiration Date: 07/06/2017

API NUMBER 05 123 30585 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 agreed to provide gyroscopic survey after deepening.
	Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
	Operator required to file Forms 31, 33, and 26 immediately. Fill out these forms with best estimates. Information will be updated as it becomes available. (5/18/2015 received Forms 31 and 33-B.K.)
	<ol style="list-style-type: none"> 1. For all new drill Underground Injection Control wells a suite of open-hole Resistivity/Gamma Ray and Density/Neutron logs is required from Surface Casing shoe to TD. A PDF, TIFF, or PDS visual image and a LAS or DLIS file version of each log is required. 2. For all new and converted Underground Injection Control wells a Cement Bond Log (CBL) is a required on the cased portions of the hole from the bottom of the casing to the top of the next shallower casing string for all casing strings other than the Surface Casing. Only a PDF, TIFF, or PDS visual image is required. 3. A Mudlog is required containing at least the following information: <ol style="list-style-type: none"> a)Rate of Penetration Log, and b)The location of any drilling breaks or zones of lost circulation. 4. Prior approval of Form 4 Sundry Notice is required for Step Rate and Injectivity Tests. 5. Retrieve water sample(s) from injection zone(s) before stimulating formation, Step Rate Test, or Injectivity Test. 6. A Transient Injectivity Test is required to determine the Maximum Daily Injection Rate in barrels per day (bbls/day). 7. A Transient Injectivity Test or a Step Rate Test is required to determine the Maximum Injection Pressure in pounds per square inch (psi). 8. Injection is not authorized until approval of Forms 31 and 33. 9. Operator must provide all tops of formations encountered from surface to TD on the Form 5 when submitted.

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>

Applicable Policies and Notices to Operators

Notice Concerning Operating Requirements for Wildlife Protection.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2238424	SUA
400757508	FORM 2 SUBMITTED
400758918	OffsetWellEvaluations Data
400758929	WELL LOCATION PLAT
400760311	DRILLING PLAN

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
UIC	Form 31 and 33 received 5/18/2015, application should have been taken off On-Hold. Doing so now.	7/6/2015 3:07:47 PM
Permit	Final Review Completed. No LGD or public comment received.	6/25/2015 2:28:19 PM
Permit	IN PROCESS - Operator submitted Form 33. Operator submitted SUA and changed right to construct to SUA.	6/9/2015 11:11:16 AM
Final Review	requested info on 31, 33 status from operator - by rule should be concurrent - pushed to HOLD	2/27/2015 2:02:22 PM
Engineer	Adjusted casing to reflect sc on Form 5	2/23/2015 3:27:32 PM
Engineer	Evaluated offset wells. No active wells within 150'	2/19/2015 1:55:13 PM
Permit	Surface Restoration Bond on file with SLB; per Tim Kelly.	2/4/2015 9:32:12 AM
Permit	Emailed Tim Kelly at SLB to confirm right to construct and surface restoration bond.	2/3/2015 1:13:44 PM
Permit	Disposal well, no minerals involved. Operator removed distances to unit/lease boundary and distances to wellbores. Lease information and spacing order was also removed by operator.	2/3/2015 11:11:29 AM
Permit	Passed completeness.	12/30/2014 11:19:22 AM

Total: 10 comment(s)