

State of Colorado Oil and Gas Conservation Commission

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FOR OGCC USE ONLY

Document Number:

400971086

Date Received:

02/19/2016

INJECTION WELL PERMIT APPLICATION

Submit a completed Form 33 with or after approval obtained on Form 31 (Underground Injection Formation Permit Application) or you must have a previously approved injection Well Permit.

1. Operator may not commence injection into this well until this form is approved.
2. Each individual injection well must be approved by this form.

Per Rule 325, this form shall be submitted with all required attachments.

A Form 33 – Intent shall be submitted and approved prior to completing an injection zone.

A Form 33 – Subsequent shall be submitted following completion of the well and must be approved prior to injection.

NOTE: Injection for Enhanced Recovery requires the field to be unitized according to the 400 Series Rules. Injection for Disposal into a producing field requires unitization of the formation in the field.

Form 33 Type ☒ Intent ☐ Subsequent

OPERATOR INFORMATION

OGCC Operator Number: 10456

Name of Operator: CAERUS PICEANCE LLC

Address: 1001 17TH STREET #1600

City: DENVER State: CO Zip: 80202

Contact Name and Telephone:

Name: Reed Haddock

Phone: (720) 880-6369 Fax: (303) 565-4606

Email: rhaddock@caerusoilandgas.com

WELL INFORMATION

Well Name and Number: Savage 8A-794-SWD API No: 05-045-23079-00

Field Name and Number: RULISON 75400 County: GARFIELD

QtrQtr: NENE Sec: 8 Twp: 7S Range: 94W Meridian: 6

UIC FACILITY INFORMATION

UIC Facility ID: 159992 (as assigned on an approved Form 31)

Facility Name: Savage Facility Number: 8A-794-SWD

WELLBORE INFORMATION

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status

Plug Back Total Depth: 6000 Tubing Depth: 5000 Packer Depth: 5000

List below all Plugs, Bridge Plugs, Stage Cementing or Squeeze Work performed on this wellbore:

Describe below any changes to the wellbore which will be made upon conversion (includes but not limited to changes of tubing and packer setting depths, any additional squeeze work for aquifer protection or casing leaks, setting of bridge plugs to isolate non-injection formations).

WELLBORE COMPLETIONS

Formation Name	Gross Completed Interval from Top	Gross Completed Interval from Bottom	Completion Type
OHIO CREEK	5068	5268	Perforated

Operator Comments:

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

Print Name: Reed Haddock

Signed: _____ Title: Sr. Regulatory Specialist Date: 2/19/2016 11:31:38 AM

OGCC Approved:  _____ Title: _____ Date: 7/19/2016 7:14:23 AM

MAX. SURFACE INJECTION PRESSURE: _____ If Disposal Well, MAX. INJECTION VOL. LIMIT: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

	Form 26 required.
	Maximum Surface Injection Pressure and Maximum Injection Volume to be determined via Subsequent Form 31/33 submittals.
	1. Injection is not authorized until approval of SUBSEQUENT Forms 31 and 33. 2. PRIOR TO PERFORMING OPERATIONS: Operator is required to A. contact COGCC to discuss and B. file a Form 4-Sundry Notice to document design of proposed Step Rate or Injectivity Test for Maximum Surface Injection Pressure determination. 3. PRIOR TO PERFORMING OPERATIONS: Operator is required to A. contact COGCC to discuss and B. file a Form 4-Sundry Notice to document proposed Hydraulic Fracturing and Acidizing job. 4. Retrieve water sample(s) from injection zone(s) before stimulating formation. Samples must be analyzed for Total Dissolved Solids at a minimum. 5. MIT with tubing set in final configuration for injection required for approval of SUBSEQUENT Forms 31 and 33.

Attachment Check List

Att Doc Num

Name

400971086	FORM 33-INTENT-SUBMITTED
400992270	WELLBORE DIAGRAM-PROPOSED

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

UIC	Garret Elsener called to point out that by Rule 325.c.3 we cannot require open hole logging of an injection well if an operator has logged another well within a mile. There must be a way to correlate between the two wells which probably means gamma ray logs in both are sufficient.	6/22/2016 3:56:43 PM
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Total: 1 comment(s)