

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109



FOR OGCC USE ONLY

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401624960

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05/07/2018

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.

- Operator may not commence injection into this well until this form is approved.
- 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: <u>10433</u>	Contact Name and Telephone:
Name of Operator: <u>LARAMIE ENERGY LLC</u>	Name: <u>Dan Fouts</u>
Address: <u>1401 SEVENTEENTH STREET #1400</u>	Phone: <u>(970) 263-3625</u> Fax: <u>()</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Email: <u>dfouts@laramie-energy.com</u>

WELL INFORMATION

Well Name and Number: CASCADE CREEK 604-12-13 API No: 05-045-13465-00
 Field Name and Number: GRAND VALLEY 31290 County: GARFIELD
 QtrQtr: LOT16 Sec: 4 Twp: 6S Range: 97W Meridian: 6

UIC FACILITY INFORMATION

UIC Facility ID: 160016 (as assigned on an approved Form 31)
 Facility Name: Cascade Creek Facility Number: 604-12-13 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
CONDUCTOR	20	16		0	85	100	85	0	VISU
SURF	14+3/4	9+5/8		0	2776	994	2776	0	VISU
1ST	8+3/4	5+1/2		0	9298	1233	9298	7320	CBL

Plug Back Total Depth: 9252 Tubing Depth: _____ Packer Depth: _____

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	6288	6550	Perforated
WILLIAMS FORK	6700	6702	Perforated

Operator Comments:

Empty box for 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: Joan Proulx

Signed: _____ Title: Regulatory Analyst Date: 5/7/2018 10:28:42 AM

OGCC Approved:  Title: _____ Date: 7/2/2018 8:43:07 AM

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

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
	1. Injection is not authorized until approval of Subsequent Forms 31 and 33. 2. If retrieving water sample(s) from injection zone(s) for analysis do so before stimulating formation. Samples must be analyzed for Total Dissolved Solids at a minimum. 3. PRIOR TO PERFORMING OPERATIONS: Operator is required to contact COGCC to discuss Step Rate Test or Injectivity Test criteria for Maximum Surface Injection Pressure determination. Prior approval of Form 4 is required for step rate and injectivity tests. 4. PRIOR TO PERFORMING OPERATIONS: Approval of Form 4 is required for acid and fracturing jobs. (New as of 4/13/2016). 5. Operator must provide all tops of formations encountered from surface to TD on the Form 5 when submitted for new wells or Form 4 Sundry Notice for existing well conversions. 6. An MIT with tubing set in final configuration for injection is required for approval of SUBSEQUENT Forms 31 and 33.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
1801267	Proposed Wellbore Diagram
1801268	Current Wellbore Diagram
401624960	FORM 33-INTENT-SUBMITTED

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Completion interval changed to Ohio Creek and Williams Fork to match attached proposed WBD. Current and proposed WBD added from Form 31 #401624692. No resistivity log in the well file.	06/28/2018

Total: 1 comment(s)