

**FORM  
INSP**Rev  
X/15

# State of Colorado

## Oil and Gas Conservation Commission

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


Inspection Date:

12/08/2020

Submitted Date:

12/11/2020

Document Number:

696202118

**FIELD INSPECTION FORM**

Loc ID 383337	Inspector Name: Trujillo, Aaron	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____	<b>Status Summary:</b> <input type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED
<b>Operator Information:</b> OGCC Operator Number: 10433 Name of Operator: LARAMIE ENERGY LLC Address: 1401 17TH STREET SUITE #1400 City: DENVER State: CO Zip: 80202				<b>Findings:</b> 4 Number of Comments 2 Number of Corrective Actions <input checked="" type="checkbox"/> Corrective Action Response Requested
				<b>ANY CORRECTIVE ACTION(S) FROM PREVIOUS INSPECTIONS THAT HAVE NOT BEEN ADDRESSED ARE STILL APPLICABLE</b>

**Contact Information:**

Contact Name	Phone	Email	Comment
, Laramie		cogccnotifications@laramie-energy.com	All Inspections
Arthur, Denise		denise.arthur@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
277264	WELL	PR	09/04/2013	GW	045-10653	CASCADE CREEK 608-43-31	RI
302009	WELL	PR	08/14/2011	GW	045-18345	Cascade Creek 697-09-25A	RI
302012	WELL	PR	08/07/2011	GW	045-18348	Cascade Creek 697-08-47B	RI
302013	WELL	PR	08/19/2014	GW	045-18349	Cascade Creek 697-08-47A	RI
302014	WELL	PR	09/08/2011	GW	045-18350	Cascade Creek 697-08-39	RI
302015	WELL	PR	08/19/2014	GW	045-18351	CASCADE CREEKI 697-08-31B	RI
302016	WELL	PR	09/08/2011	GW	045-18352	CASCADE CREEK 697-08-31A	RI
302017	WELL	PR	02/22/2016	GW	045-18353	Cascade Creek 697-08-23B	RI
302018	WELL	PR	08/13/2013	GW	045-18354	CASCADE CREEK 697-09-25B	RI
383337	LOCATION	AC			-	Cascade Creek 608-43-31	RI
419502	WELL	PR	09/12/2011	GW	045-19936	Cascade Creek 697-08-29A	RI
419504	WELL	PR	09/09/2011	GW	045-19937	Cascade Creek 697-08-21	RI
419505	WELL	PR	09/08/2011	GW	045-19938	Cascade Creek 697-08-37B	RI
419507	WELL	PR	09/08/2011	GW	045-19939	Cascade Creek 697-08-45	RI
419509	WELL	PR	09/08/2011	GW	045-19940	Cascade Creek 697-08-37A	RI
419510	WELL	PR	09/08/2011	GW	045-19941	Cascade Creek 697-08-46B	RI
419511	WELL	PR	09/09/2011	GW	045-19942	Cascade Creek 697-08-20	RI
419516	WELL	PR	09/12/2011	GW	045-19943	Cascade Creek 697-08-29B	RI

419517	WELL	PR	10/03/2011	GW	045-19944	Cascade Creek 697-08-29C	RI
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**General Comment:**

On 12/08/2020, Reclamation Specialist Trujillo conducted an interim reclamation and stormwater inspection at Laramie Energy's Cascade Creek 608-43-31 location in Garfield County, Colorado.

This following compliance issues were observed during the inspection:

1003.b: Interim Reclamation

1002.f.(2): Stormwater

Refer to the "Reclamation" and "Stormwater" sections of this inspection report for additional details.

Refer to the photo-documentation of the observed compliance issues attached to this report.

Any corrective action(s) from previous inspections that have not been addressed are still applicable.

A follow up on this site inspection will be conducted to ensure the compliance issues have been corrected to comply with COGCC rules.

Inspected Facilities				
Facility ID: <u>277264</u>	Type: <u>WELL</u>	API Number: <u>045-10653</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302009</u>	Type: <u>WELL</u>	API Number: <u>045-18345</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302012</u>	Type: <u>WELL</u>	API Number: <u>045-18348</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302013</u>	Type: <u>WELL</u>	API Number: <u>045-18349</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302014</u>	Type: <u>WELL</u>	API Number: <u>045-18350</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302015</u>	Type: <u>WELL</u>	API Number: <u>045-18351</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302016</u>	Type: <u>WELL</u>	API Number: <u>045-18352</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302017</u>	Type: <u>WELL</u>	API Number: <u>045-18353</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>302018</u>	Type: <u>WELL</u>	API Number: <u>045-18354</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>383337</u>	Type: <u>LOCATION</u>	API Number: <u>-</u>	Status: <u>AC</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419502</u>	Type: <u>WELL</u>	API Number: <u>045-19936</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419504</u>	Type: <u>WELL</u>	API Number: <u>045-19937</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419505</u>	Type: <u>WELL</u>	API Number: <u>045-19938</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419507</u>	Type: <u>WELL</u>	API Number: <u>045-19939</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419509</u>	Type: <u>WELL</u>	API Number: <u>045-19940</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419510</u>	Type: <u>WELL</u>	API Number: <u>045-19941</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419511</u>	Type: <u>WELL</u>	API Number: <u>045-19942</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419516</u>	Type: <u>WELL</u>	API Number: <u>045-19943</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>419517</u>	Type: <u>WELL</u>	API Number: <u>045-19944</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>

**Reclamation - Storm Water - Pit****Interim Reclamation:**

Date Interim Reclamation Started: \_\_\_\_\_ Date Interim Reclamation Completed: \_\_\_\_\_

Land Use: OTHER, RANGELAND

Comment: \_\_\_\_\_

**1002 SITE PREPARATION AND STABILIZATION**

1002a. FENCING \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002b. SOIL REMOVAL AND SEGREGATION \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002c. PROTECTION OF SOILS \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1002E. SURFACE DISTURBANCE MINIMIZATION \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

1003a. Waste and Debris removed? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Unused or unneeded equipment onsite? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Pit, cellars, rat holes and other bores closed? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

Guy line anchors marked? \_\_\_\_\_

Comment \_\_\_\_\_

Corrective Action \_\_\_\_\_

Date \_\_\_\_\_

- 1003b. Area no longer in use? Fail Production areas stabilized ? \_\_\_\_\_
- 1003c. Compacted areas have been cross ripped? Fail
- 1003d. Drilling pit closed? \_\_\_\_\_ Subsidence over on drill pit? \_\_\_\_\_
- Cuttings management: \_\_\_\_\_
- 1003e. Areas no longer needed for drilling or subsequent operations for have been re-vegetated to 80% of pre-existing? Fail
- Production areas have been stabilized? \_\_\_\_\_ Segregated soils have been replaced? Fail

## RESTORATION AND REVEGETATION

Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ Perennial forage re-established \_\_\_\_\_

Non-Cropland

Top soil replaced Fail Recontoured Fail 80% Revegetation Fail

## 1003e. INTERIM VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

VEGETATIVE COVER \_\_\_\_\_

## 1003 f. Weeds Noxious weeds? \_\_\_\_\_

## Comment

It was observed in this inspection that areas not needed for production have not been reclaimed on the Location in accordance with 1003 Rules. Records show 8/13/2011 as the "date of first production" for the last well to go into production; interim reclamation of the Location should have been conducted by 2/13/2012.

## Corrective Action

Comply with Rule 1003.b and conduct reclamation on areas not needed for production and establish vegetation with total perennial, non-invasive uniform plant cover of at least eighty (80) percent of pre-disturbance or reference area levels. Use a seed mixture requested by the surface owner, or a mixture prescribed by the local soil conservation district. Ensure erosion controls are implemented to stabilize the seeded soil, and continue to monitor and manage interim areas until Final Reclamation has passed. A CA date of 03/01/2016 is being provided as this is when Laramie took ownership of the Location.

Date 03/01/2016

Overall Interim Reclamation Fail

Final Reclamation/ Abandoned Location:

Date Final Reclamation Started: \_\_\_\_\_ Date Final Reclamation Completed: \_\_\_\_\_

Final Land Use: OTHER, RANGELAND

Reminder: \_\_\_\_\_

Comment: \_\_\_\_\_

Well plugged \_\_\_\_\_ Pit mouse/rat holes, cellars backfilled \_\_\_\_\_

Debris removed \_\_\_\_\_ No disturbance /Location never built \_\_\_\_\_

Access Roads Regraded \_\_\_\_\_ Contoured \_\_\_\_\_ Culverts removed \_\_\_\_\_

Gravel removed \_\_\_\_\_

Location and associated production facilities reclaimed \_\_\_\_\_ Locations, facilities, roads, recontoured \_\_\_\_\_

Compaction alleviation \_\_\_\_\_ Dust and erosion control \_\_\_\_\_

Non cropland: Revegetated 80% \_\_\_\_\_ Cropland: perennial forage \_\_\_\_\_

Weeds present \_\_\_\_\_ Subsidence \_\_\_\_\_

## 1004.d. FINAL VEGETATION TRANSECT

TRANSECT RESULTS OF DISTURBED AREA% \_\_\_\_\_

TRANSECT RESULTS OF REFERENCE AREA% \_\_\_\_\_

TOTAL % OF DESIRABLE VEGETATION COVER \_\_\_\_\_

## VEGETATIVE COVER \_\_\_\_\_

Comment: Corrective Action: 

Date \_\_\_\_\_

Overall Final Reclamation \_\_\_\_\_

Well Release on Active Location ☐Multi-Well Location ☐**Storm Water:**

Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment

Comment: It was observed in this inspection that BMPs to protect, stabilize and prevent off-site sediment transport from the cut and fill slopes of the Location are missing or insufficient. See attached photos.

Corrective Action: Comply with Rule 1002.f.(2) and install BMPs in accordance with good engineering practices. Temporary controls will be required by 1/11/2021 until interim reclamation of the Location is conducted, at which point long-term controls will need to be implemented.

Date: 01/11/2021

Pits: ☐ NO SURFACE INDICATION OF PIT**Attached Documents**You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
402552269	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5308647">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5308647</a>
696202119	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5308643">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=5308643</a>