

FORM  
INSPRev  
X/20State of Colorado  
Oil and Gas Conservation Commission1120 Lincoln Street, Suite 801, Denver, Colorado 80203  
Phone: (303) 894-2100 Fax: (303) 894-2109

Inspection Date:

09/19/2023

Submitted Date:

09/21/2023

Document Number:

696205257

## FIELD INSPECTION FORM

 Loc ID 383264 Inspector Name: Trujillo, Aaron On-Site Inspection  2A Doc Num:
**Operator Information:**
 OGCC Operator Number: 10433  
 Name of Operator: LARAMIE ENERGY LLC  
 Address: 1700 LINCOLN ST STE 3950  
 City: DENVER State: CO Zip: 80203
**Status Summary:**

- THIS IS A FOLLOW UP INSPECTION
- FOLLOW UP INSPECTION REQUIRED
- NO FOLLOW UP INSPECTION REQUIRED

**Findings:**

- 15 Number of Comments
- 1 Number of Corrective Actions
- Corrective Action Response Requested

**ANY CORRECTIVE ACTION(S) FROM  
PREVIOUS INSPECTIONS THAT HAVE NOT  
BEEN ADDRESSED ARE STILL APPLICABLE**
**Contact Information:**

Contact Name	Phone	Email	Comment
Arauzo, Steven		steven.arauza@state.co.us	
, Laramie		cogccnotifications@laramie-energy.com	All Inspections
Fischer, Alex		alex.fischer@state.co.us	

**Inspected Facilities:**

Facility ID	Type	Status	Status Date	Well Class	API Num	Facility Name	Insp Status
383264	LOCATION	AC			-	Cascade Creek (CC) 0610-21-41	RI
461989	WELL	WO	03/01/2023	LO	045-24253	CC 0697-10-05E	RI
461990	WELL	PR	06/01/2023	LO	045-24254	CC 0697-09-02E	RI
461991	WELL	WO	03/01/2023	LO	045-24255	CC 0697-10-06W	RI
461992	WELL	WO	03/01/2023	LO	045-24256	CC 0697-10-01E	RI
461993	WELL	WO	03/01/2023	LO	045-24257	CC 0697-10-07E	RI
461994	WELL	WO	03/01/2023	LO	045-24258	CC 0697-10-06E	RI
461995	WELL	WO	03/01/2023	LO	045-24259	CC 0697-10-03E	RI
461996	WELL	WO	03/01/2023	LO	045-24260	CC 0697-10-05W	RI
461997	WELL	WO	03/01/2023	LO	045-24261	CC 0697-10-04W	RI
461998	WELL	PR	06/01/2023	LO	045-24262	CC 0697-10-02W	RI
461999	WELL	PR	06/01/2023	LO	045-24263	CC 0697-10-01W	RI
462000	WELL	PR	06/01/2023	LO	045-24264	CC 0697-10-03W	RI
462002	WELL	WO	08/14/2023	LO	045-24266	CC 0697-10-04E	RI
462003	WELL	WO	03/01/2023	LO	045-24267	CC 0697-10-08W	RI
481959	WELL	DG	06/01/2023	LO	045-24501	CC 0697-10-10E	RI
481963	WELL	WO	03/01/2023	LO	045-24502	CC 0697-10-02E	RI
481964	WELL	DG	06/01/2023	LO	045-24503	CC 0697-10-10W	RI
481965	WELL	WO	03/01/2023	LO	045-24504	CC 0697-10-08E	RI

481966	WELL	PR	06/01/2023	OW	045-24505	CC 0697-09-03E	RI
481968	WELL	WO	03/01/2023	LO	045-24506	CC 0697-10-09E	RI
481976	WELL	WO	03/01/2023	LO	045-24507	CC 0697-04-24E	RI
481977	WELL	PR	06/01/2023	OW	045-24508	CC 0697-09-01E	RI
481978	WELL	DG	06/01/2023	LO	045-24509	CC 0697-10-09W	RI
484903	SPILL OR RELEASE	AC	08/21/2023		-	610-21-41 Frac overfill	RI

**General Comment:**

On 9/19/2023, Reclamation Specialist Trujillo inspected Laramie Energy LLC's Cascade Creek (CC) 010-21-41 location in Garfield County, Colorado.

This inspection is a followup to #696205146 and #696205104 to document compliance with the following corrective actions:

- Stained soils
- Management of E&P waste
- Protection of soils
- Stormwater

Any corrective action(s) from previous inspections that have not been addressed are still applicable. The "Date of Discovery" is being provided as the corrective action date for all new observed compliance issues. Location will remain out of compliance until corrective action(s) has(have) been resolved. A follow up inspection on this site will be conducted to ensure the compliance issues have been corrected to comply with COGCC rules.

**Location**

Overall Good:

**Signs/Marker:**

Type	WELLHEAD		
Comment:			
Corrective Action:		Date:	
Type	BATTERY		
Comment:	Singage required within 60 days after installation of tank battery. Tank battery has been installed on the north end of the Location; battery lacks signage.		
Corrective Action:		Date:	
Type	TANK LABELS/PLACARDS		
Comment:			
Corrective Action:		Date:	
Type	CONTAINERS		
Comment:			
Corrective Action:		Date:	

**Emergency Contact Number:**

Comment: 1-800-891-6191 / 911

Corrective Action:

Date:

Overall Good:

**Spills:**

Type	Area	Volume		
Comment:	Inspection #696205144 observed stained soils on the western areas of the Working Pad Surface. Inspection required Operator to Clean/remediate soils to Table 915-1 cleanup standards.  It was observed in this inspection that stained soils remain apparent on the Working Pad Surface. CA remains applicable.			
Corrective Action:	Clean/remediate stained soils to Table 915-1 cleanup standards.			Date: 08/04/2023

In Containment: No

Comment:

Multiple Spills and Releases?

**Tanks and Berms:**

Contents	#	Capacity	Type	Tank ID	SE GPS
CONDENSATE	8	400 BBLS	STEEL AST		,
Comment:					
Corrective Action:					Date:

**Paint**

Condition

Other (Content)

Other (Capacity)	
Other (Type)	

**Berms**

Type	Capacity	Permeability (Wall)	Permeability (Base)	Maintenance	
Metal	Adequate	Walls Sufficient	Base Sufficient	Adequate	
Comment:					
Corrective Action:				Date:	

**Venting:**

Yes/No					
Comment:					
Corrective Action:				Date:	

**Flaring:**

Type					
Comment:					
Corrective Action:				Date:	

## Inspected Facilities

Facility ID: <u>383264</u>	Type: <u>LOCATION</u>	API Number: <u>-</u>	Status: <u>AC</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461989</u>	Type: <u>WELL</u>	API Number: <u>045-24253</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461990</u>	Type: <u>WELL</u>	API Number: <u>045-24254</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461991</u>	Type: <u>WELL</u>	API Number: <u>045-24255</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461992</u>	Type: <u>WELL</u>	API Number: <u>045-24256</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461993</u>	Type: <u>WELL</u>	API Number: <u>045-24257</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461994</u>	Type: <u>WELL</u>	API Number: <u>045-24258</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461995</u>	Type: <u>WELL</u>	API Number: <u>045-24259</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461996</u>	Type: <u>WELL</u>	API Number: <u>045-24260</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461997</u>	Type: <u>WELL</u>	API Number: <u>045-24261</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461998</u>	Type: <u>WELL</u>	API Number: <u>045-24262</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>461999</u>	Type: <u>WELL</u>	API Number: <u>045-24263</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>462000</u>	Type: <u>WELL</u>	API Number: <u>045-24264</u>	Status: <u>PR</u>	Insp. Status: <u>RI</u>
Facility ID: <u>462002</u>	Type: <u>WELL</u>	API Number: <u>045-24266</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>462003</u>	Type: <u>WELL</u>	API Number: <u>045-24267</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>481959</u>	Type: <u>WELL</u>	API Number: <u>045-24501</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>481963</u>	Type: <u>WELL</u>	API Number: <u>045-24502</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>
Facility ID: <u>481964</u>	Type: <u>WELL</u>	API Number: <u>045-24503</u>	Status: <u>DG</u>	Insp. Status: <u>RI</u>
Facility ID: <u>481965</u>	Type: <u>WELL</u>	API Number: <u>045-24504</u>	Status: <u>WO</u>	Insp. Status: <u>RI</u>

Facility ID:	481966	Type:	WELL	API Number:	045-24505	Status:	PR	Insp. Status:	RI
Facility ID:	481968	Type:	WELL	API Number:	045-24506	Status:	WO	Insp. Status:	RI
Facility ID:	481976	Type:	WELL	API Number:	045-24507	Status:	WO	Insp. Status:	RI
Facility ID:	481977	Type:	WELL	API Number:	045-24508	Status:	PR	Insp. Status:	RI
Facility ID:	481978	Type:	WELL	API Number:	045-24509	Status:	DG	Insp. Status:	RI
Facility ID:	484903	Type:	SPILL OR	API Number:	-	Status:	AC	Insp. Status:	RI

**Environmental**

**Waste Management:**

Type	Management	Condition	GPS (Lat)	(Long)
Drill Cuttings				
Comment	See "Comment #1" at the end of this report			
Corrective Action				Date:

**Spill/Remediation:**

Comment: Pursuant to Form 2A #402609499, "cuttings will be treated and disposed onsite (along the cut portion at grade, no trench or pit will be used) or at the ACF, a E&P Waste Management Facility proposed in the OGD". Previous inspections observed that no Form 27 related to the remediation and management of drill cuttings on the Location has been submitted; inspection required Operator to contact NW EPS.

Form 27 #403511587 submitted 8/28/2023 related to spill and remediation of drill cuttings; F27 currently "in process" at time of writing FIR. This Corrective Action has been resolved.

Corrective Action: \_\_\_\_\_ Date: \_\_\_\_\_

Emission Control Burner (ECB): \_\_\_\_\_

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

Pilot: \_\_\_\_\_ Wildlife Protection Devices (fired vessels): \_\_\_\_\_

**Reclamation - Storm Water - Pit**

**Interim Reclamation:**

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

Land Use: 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 In Process

Comment [Previous inspection observed that BMPs, including weed management activities, to prevent weed establishment at the topsoil stockpiles on the Location are inadequate. Inspection required Operator to comply with Rule 606.c and 1002.c](#)  
[It was observed in that additional BMPs have been implemented to comply with Rule 606.c/1002.f; Undesirable Plant Species removed from stockpiles and additional control measures \(hydromulch, erosion logs\) have been implemented to protect the topsoil stockpile.](#)  
[This CA has been resolved.](#)

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? In

Comment [Tanks/pipe used during completion operations remain stored on the south end of the Location](#)

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

Date \_\_\_\_\_

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

Comment [No pits on Location](#)

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

Date \_\_\_\_\_

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

Comment [Anchors not obdserved](#)

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

Date \_\_\_\_\_

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

RESTORATION AND REVEGETATION

Cropland

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

Non-Cropland

Top soil replaced \_\_\_\_\_ Recontoured \_\_\_\_\_ 80% Revegetation \_\_\_\_\_

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 Completion Operations appear to have concluded; frac equipment has mostly been removed from the Location; frac tanks stored on the CC 0697-03-07 also mostly removed. Interim reclamation of the Location now due per 1003 rules.

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

Overall Interim Reclamation

**Final Reclamation/ Abandoned Location:**

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

Final Land Use: 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 <input type="checkbox"/>	Multi-Well Location <input type="checkbox"/>				
<b>Storm Water:</b>						
Loc Erosion BMPs	BMP Maintenance	Lease Road Erosion BMPs	Lease BMP Maintenance	Chemical BMPs	Chemical BMP Maintenance	Comment
Comment: <input type="text" value="Stormwater CA identified in previous inspections have been resolved."/>						Date: _____
Corrective Action: <input type="text"/>						
<b>Pits:</b> <input type="checkbox"/> NO SURFACE INDICATION OF PIT						

**COGCC Comments**

Comment	User	Date
Per Form 2A Layout drawings and Interim Reclamation plan, ~5.3 acres of the Location will be reclaimed during interim; a sediment trap w/ 6-inch outlet pipe will be installed on the west end of the WPS to manage runoff; berm to installed along perimeter of WPS; ditch on the southern Location perimeter will remain; erosion logs installed along disturbance perimeter.	trujilloam	09/21/2023
<p><b>COMMENT #1</b></p> <p>Pursuant to Form 2A #402609499 Conditions of Approval ("COAs"): Stormwater control measures will include perimeter controls and site degradation control measures; these will include a minimum 1.5-foot compacted earthen perimeter berm... around the cuttings management area along the northern (cut slope) edge of the WPS; Drill cutting storage will be stockpiled on the edge of location against the cut slope of a pad (if available) segregated from all topsoil and vegetation. Appropriate storm water drainage will be in place and the cuttings storage area will have a berm at the base to prevent any storm water run-off from exiting the pad or spreading to the rest of the pad outside of the designated area; All cuttings generated during drilling will be kept in a bermed portion of the well pad prior to disposition offsite.</p> <p>Inspection #696205104 and #696205144 observed that BMPs to prevent or contain a spill at the cuttings management area along the north end of the Location have not been installed per good engineering requirements and COAS, or not maintained; drill cuttings lacked adequate containment measures; Operator has pushed cutting material beyond the cut-slope and designated working pad surface on the north end of the Location, impacting vegetation and potentially topsoil.</p> <p>Inspection required Operator to comply with Rule 1002.f and Form 2A COAs, to contact Environmental for Form 27 and Spill reporting requirements.</p> <p>It was observed in this inspection that the containment berm has been installed/maintained around the drill cuttings; drill cuttings spilled beyond the cut-slope have been returned to the stockpile, and additional containment measures have been implemented; Form 19 #403499210 submitted 8/16/2023, and approved with conditions to "Comply with outstanding COAs". Form 27 #403511587 submitted 8/28/2023 related to spill and remediation of drill cuttings; F27 currently "in process" at time of writing FIR.</p> <p>This Corrective Action has been resolved.</p>	trujilloam	09/21/2023

**Attached Documents**

You can go to COGCC Images (<https://cogcc.state.co.us/weblink/>) and search by document number:

Document Num	Description	URL
403538048	INSPECTION SUBMITTED	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6260188">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6260188</a>
696205258	Inspection Photos	<a href="http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6260181">http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6260181</a>