

**FORM
INSP**Rev
X/20

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:

09/19/2023

Submitted Date:

09/21/2023

Document Number:

696205257

FIELD INSPECTION FORM

Loc ID 383264	Inspector Name: Trujillo, Aaron	On-Site Inspection <input type="checkbox"/>	2A Doc Num: _____	Status Summary: <input checked="" type="checkbox"/> THIS IS A FOLLOW UP INSPECTION <input checked="" type="checkbox"/> FOLLOW UP INSPECTION REQUIRED <input type="checkbox"/> NO FOLLOW UP INSPECTION REQUIRED Findings: 15 Number of Comments 1 Number of Corrective Actions <input checked="" type="checkbox"/> Corrective Action Response Requested
Operator Information: OGCC Operator Number: 10433 Name of Operator: LARAMIE ENERGY LLC Address: 1700 LINCOLN ST STE 3950 City: DENVER State: CO Zip: 80203				ANY CORRECTIVE ACTION(S) FROM PREVIOUS INSPECTIONS THAT HAVE NOT BEEN ADDRESSED ARE STILL APPLICABLE

Contact Information:

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

LocationOverall Good: ☐**Signs/Marker:**

Type	TANK LABELS/PLACARDS		
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	WELLHEAD		
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 Sufficent	Base Sufficent	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>

Inspector Name: Trujillo, Aaron

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 observed

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 REVEGETATIONCropland

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"/>
---------------------------	--	--

Storm Water:

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

Comment: [Stormwater CA identified in previous inspections have been resolved.](#)

Corrective Action:

Date: _____

Pits: ☐ NO SURFACE INDICATION OF PIT

Permit:	Facility ID	Permit Num	Expiration Date
	291973	1433709	
	435020	400389975	

COGCC Comments

Comment	User	Date
<p>COMMENT #1</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> <p>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.</p>	trujilloam	09/21/2023
	trujilloam	09/21/2023

Attached Documents

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

Document Num	Description	URL
696205258	Inspection Photos	http://ogccweblink.state.co.us/DownloadDocumentPDF.aspx?DocumentId=6260181