

## Stormwater Inspection Report

<b>Operator:</b>	Laramie Energy, LLC
<b>Project:</b>	Cascade Creek
<b>Location:</b>	Cascade Creek 697-09-61 Pad
<b>Date:</b>	Thursday, November 11, 2021
<b>Weather:</b>	Mostly Sunny, Breezy, 51°, Lo 22°



Type of Inspection Report	14-Day Routine	Monthly Routine	Post-Storm	Corrective Action	Winter Exclusion	Stabilization Complete	Site Review
		<b>X</b>					<b>X</b>

Phase(s) of Construction Inspected	No Activity	Clear & Grade	Facility Installation	Drilling Operations	Reclamation	Acres of Disturbance Inspected
	<b>X</b>					0

Stormwater Compliance Questions		YES	NO	N/A
1	Any BMPs Fail or Require Maintenance?		<b>X</b>	
2	Any Issues Identified Requiring the Installation of Additional BMPs?		<b>X</b>	
3	Any Sediment or Other Pollutants Discharged Outside Project Boundaries?		<b>X</b>	
4	Any BMPs Repaired or Maintained?		<b>X</b>	
5	Any New BMPs Installed?		<b>X</b>	
6	Any Hazardous Materials Spilled or Leaked?		<b>X</b>	
7	Any Deviation from the Minimum Inspection Schedule?		<b>X</b>	

Comments / Descriptions / Explanations
<p> EI completed the routine 30-day stormwater inspection for the Cascade Creek 697-09-61 location. EI also reviewed issues identified by COGCC in Document #696203338. All BMPs were found to be in good working order with no evidence of sediment discharge observed. Livestock and/or cattle have left hoof marks through portions of the existing erosion control blankets, but not sufficient enough to hinder its effectiveness. The small erosion control blanket failure called out as Photo #1 was previously repaired and is currently functioning correctly. EI specifically looked at the cut slope called out as Photo #2 and Photo #3 during the inspection. This portion of the cut slope was found to be too steep to safely install erosion control blankets when the other installations were performed. This section of cut slope has been seeded with temporary and native seed twice in the recent past. It has also had soil amenities applied each time it was seeded. The area in concern is currently protected with a robust earthen berm located immediately below which prevents any sediment from discharging onto the pad. The latest round of temporary seed has had some germination and stabilization success. EI recommends continuing to monitor the area and allow previous seedings an opportunity to establish next spring and reevaluate. Due to the rocky nature of the slope, it will likely only support sparse permanent vegetation. </p>

**Photo 1**



*Damaged Erosion Control Blanket after Repairing on the Cascade Creek 697-09-61 Pad*

**Photo 2**



*Temporary Seed Germinating through Erosion Control Blankets on the CC 697-09-61 Pad*

**Photo 3**



*Steep Section of Cut Slope not Treated with Erosion Control Blankets on CC 697-09-61 Pad*

**Photo 4**



*Outlet Channel on the CC 697-09-61 Pad Fill Slope*

**Inspector Name and Title**

Mark Carlson, Environmental Inspector

*Mark Carlson*

**Inspector Signature**

11/11/2021

**Date of Signature**

**Part I.A.3.f. Compliance Signature Requirement**

*"I verify that, to the best of my knowledge and belief, all corrective action and maintenance items identified during the inspection are complete, and the site is currently in compliance with the permit."*

**Stormwater Manager Certification Signature**