

Stormwater Inspection Report

Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	Cascade Creek 697-16A2
Date:	Monday, November 15, 2021
Weather:	Mostly Sunny, Calm, 60°, Lo 35°



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

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

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

Comments / Descriptions / Explanations
<p>One BMP crew began working on the Cascade Creek 697-16A2 pad to address items called out by COGCC in Document #696203346. The crew began converting an existing channel with multiple rock sock and wattle checks installed into a sediment trap with underground flex pipe outlet. This will correct the issues identified in Photo #1, #2, and #3. A one-call is now active for the construction area to allow new excavations to occur. The crew used a skid steer and mini-ex to begin installing a sediment trap on the north side of the pad. Topsoil was segregated and preserved from the sediment trap installation site. Excess material from other areas and existing subsoil was used to begin installing containment berms which will ultimately create the sediment trap.</p>



Inspector Name and Title	Mark Carlson, Environmental Inspector
---------------------------------	---------------------------------------

	11/15/2021
Inspector Signature	Date of Signature

Part I.A.3.f. Compliance Signature Requirement	
<p><i>"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."</i></p>	<div style="border: 1px solid black; height: 80px; margin-bottom: 5px;"></div> <p style="text-align: center; margin: 0;">Stormwater Manager Certification Signature</p>

Stormwater Inspection Report

Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	Cascade Creek 697-16A2
Date:	Tuesday, November 16, 2021
Weather:	Mostly Sunny, Light Wind, 60°, Lo 37°

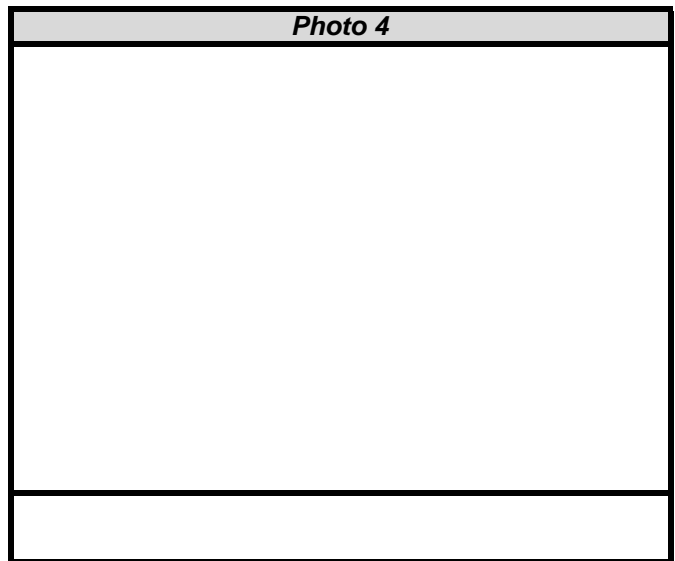


Type of Inspection Report	14-Day Routine	Monthly Routine	Post-Storm	Corrective Action	Winter Exclusion	Stabilization Complete	Site Review
				X			

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

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

Comments / Descriptions / Explanations	
<p>One BMP crew continued to operate on the Cascade Creek 697-16A2 pad addressing issues identified by COGCC in Document #696203346. A mini-ex and skid steer were used to continue sediment trap construction and flex pipe installation on the north side of the Cascade Creek 697-16A2 pad. A skid steer was used to reinforce an existing containment berm located along the access road near the Cascade Creek 697-16A2 pad entrance.</p>	



Inspector Name and Title	Mark Carlson, Environmental Inspector
---------------------------------	---------------------------------------

	11/16/2021
Inspector Signature	Date of Signature

Part I.A.3.f. Compliance Signature Requirement	
<i>"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."</i>	<div style="border: 1px solid black; height: 80px; margin-bottom: 5px;"></div> <p style="text-align: center; margin: 0;">Stormwater Manager Certification Signature</p>

Stormwater Inspection Report

Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	Cascade Creek 697-16A2
Date:	Wednesday, November 17, 2021
Weather:	Clear, Light Wind, 49°, Lo 23°



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

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

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

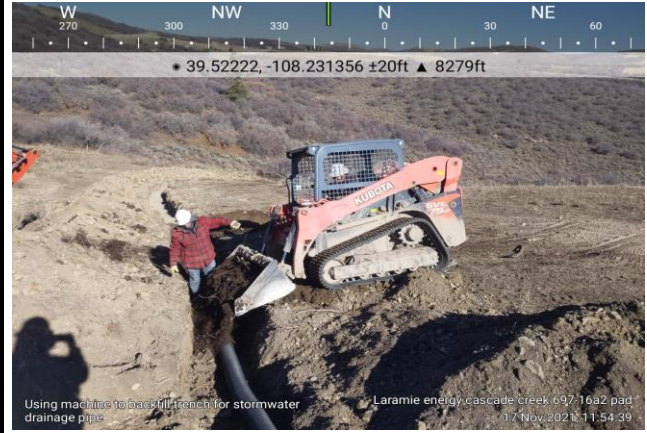
Comments / Descriptions / Explanations
<p>One BMP crew continued installing BMPs on the Cascade Creek 697-16A2 pad to address items identified by COGCC in Document #696203346. A mini-ex was used to complete trench excavations associated with installing flex piping. Larger rock was removed from the bottom of the excavation by hand to ensure the pipe was not damaged during backfill operations. A total of 300 feet of 6-inch flex hose was installed today. A skid steer was used to backfill the flex pipe once it was laid in the trench. A dissipater tee was installed on the outlet end of the flex hose to slow discharged stormwater velocities prior to being released. The crew installed a rock apron around and below the discharge tee to further slow released water and prevent scouring.</p>

Photo 1



Removing Larger Rock from the Bottom of the Excavation by Hand

Photo 2



Backfilling Flex Pipe Installation on the Cascade Creek 697-16A2 Pad

Photo 3



Packing Inlet Flex Hose Face to Create Positive Seal on Cascade Creek 697-16A2 Pad

Photo 4



Flex Pipe Outlet and Rock Apron on Cascade Creek 697-16A2 Pad

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

11/17/2021

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

Stormwater Inspection Report

Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	Cascade Creek 697-16A2
Date:	Thursday, November 18, 2021
Weather:	Mostly Sunny, Light Wind, 49°, Lo 21°



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

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

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

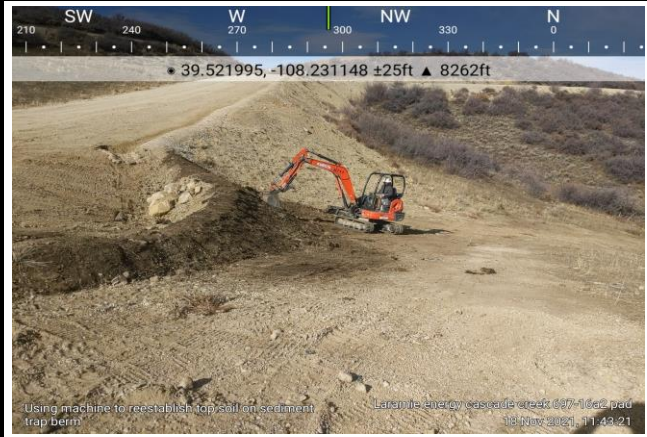
Comments / Descriptions / Explanations
<p>One BMP crew completed BMP installations on the Cascade Creek 697-16A2 pad. These installations were conducted to meet concerns identified by COGCC in Document #696203346. The crew utilized a skid steer and mini-ex to compact and dress up earthen berm installations and to aid in installing rock facing and rock aprons with native rock. Topsoil previously segregated from the sediment trap construction area was returned to the earthen berm which creates the sediment trap. All disturbances were broadcast seeded with 31 pounds of QuickGuard and Upper Cascade Seed Mix. Seed was incorporated into the soil with the use of an ATV and pasture harrow. The seeding was then covered with 25 weed-free certified straw bales applied via a mulch blower.</p>

Photo 1



Installing Rock Apron on the Cascade Creek 697-16A2 Pad

Photo 2



Redistributing Previously Segregated Topsoil over Sediment Trap Berm on CC 697-16A2

Photo 3



Harowing Seed Broadcasted over Disturbed Soils on Cascade Creek 697-16A2 Pad

Photo 4



Applying Straw Mulch on Cascade Creek 697-16A2 Pad

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

11/18/2021

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