

Stormwater Inspection Report



Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	CC 610-22-43 Pad
Date:	Wednesday, June 2, 2021
Weather:	Partly Cloudy, Light Wind, 88°, Lo 51°

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>Two BMP crews began addressing items identified by COGCC in Document #696202101. The crews began installing excelsior wattle below fill slopes to meet requirements called out in Photo #6 through #8. A mini-ex was utilized to remove existing vegetation to allow for the wattle installation. The operator disturbed as little ground as possible during those activities.</p>

Photo 1



Clearing Vegetation in Preparation for Wattle Installation

Photo 2



Installing Trench for Wattle Installation by Hand

Photo 3



Stringing Out Wattle to be Installed

Photo 4



Installing Wattle on the CC 610-22-43 Pad

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

6/2/2021

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:	CC 610-22-43 Pad
Date:	Thursday, June 3, 2021
Weather:	Clear, Light Wind, 92°, Lo 54°

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 addressing items on the CC 610-22-43 pad as identified by COGCC in Document #696202101. The crew continued to install excelsior wattle around the perimeter of the location below fill slopes. A total of 525 feet of wattle was installed today. A mini-ex was used to install a containment berm below the pad's cut slope to begin addressing issues depicted in Photos #4 and #5. The mini-ex was also used to maintain the sediment trap near the pad entrance. Work is scheduled to continue tomorrow.</p>

Photo 1



Containment Berm Installed below CC 610-22-43 Cut Slope

Photo 2



Wattle Installed below CC 610-22-43 Fill Slope

Photo 3



Maintaining Sediment Trap near the Pad Entrance

Photo 4



Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

6/3/2021

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:	CC 610-22-43 Pad
Date:	Friday, June 4, 2021
Weather:	Clear, Light Wind, 96°, Lo 58°

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>Two BMP crews continued and completed the list of items on the CC 610-22-43 pad as depicted in COGCC Document #696202101. The crews completed the excelsior wattle installations below fill slopes by installing 75 additional feet and backfilling wattle installed previously. A mini-ex was used to reshape the vertical cut above the existing cut slope where it could be done safely. The cut slope was broadcast seeded with 40 pounds of QuickGuard and 15 pounds of Upper Cascade Mix. Seed was hand raked where it was safe to do so to incorporate seed into the soil. 1,700 gallons of liquid soil amenities and plant nutrients were applied to the entire cut slope after the seed was incorporated.</p>

Photo 1



Shaping Vertical Cut above Cut Slope

Photo 2



Broadcast Seeding Cut Slope on CC 610-22-43

Photo 3



Hand Raking Seed to Incorporate into Soil

Photo 4



Location after Treating Cut Slope with Liquid Amenities and Nutrients

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

6/4/2021

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:	CC604-12-13, CC610-22-43, & CC697-03-07 Pads
Date:	Friday, July 9, 2021
Weather:	Clear, Calm, 104°, Lo 63°

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>Two BMP crews inspected and repaired temporary BMPs on the CC 697-03-07, CC 610-22-43, and CC 604-12-13 Annex pads. Cattle are present in the project area which prompted the inspection at a greater frequency than monthly. The CC 610-22-43 pad is also scheduled to be reclaimed next week so BMPs were inspected and repaired to ensure preconstruction BMPs were operable. Silt fence and excelsior wattle was repaired as needed.</p>

Photo 1



Mending Silt Fence on CC 604-12-13 Annex Pad

Photo 2



Maintaining Wattle on CC 610-22-43 Pad

Photo 3



Maintaining Wattle on CC 610-22-43 Pad

Photo 4



Repairing Silt Fence on CC 697-03-07 Pad

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

7/9/2021

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:	CC 604-41-32, CC 603-23-32, CC 610-22-43 Pads
Date:	Thursday, August 12, 2021
Weather:	Mostly Sunny / Hazy, Light Wind, Hi 98°, Lo 56°

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 resumed activities in the Cascade Creek Project Area. The crews began preparing for mulching operations on the CC 604-41-32 pad in response to COGCC Document #696202681. Mulching operations were unable to be completed previously due to the lack of certified weed-free straw available for purchase. This season's crop has recently become available, allowing mulching operations to begin. Certified bales from this harvest season will be stockpiled over winter, to avoid bale availability issues next spring. Germination on the site has proceeded well overall. With plants already establishing, the mulch application will be kept on the lower end of tonnage scale to avoid choking out existing vegetation. The crews also maintained perimeter excelsior wattle on the CC 604-41-32 and swept the location for noxious weeds. The crews also maintained and replaced excelsior wattle on around the perimeter of the CC 603-23-32 and CC 610-22-43 pads. A total of 115 feet of new excelsior wattle was installed.</p>

Photo 1



Maintaining Wattle on the CC 603-23-32 Pad

Photo 2



Hand Removing Noxious Weeds on the CC 604-41-32 Pad

Photo 3



Replacing Section of Wattle on the CC 610-22-43 Pad

Photo 4



After Maintaining Wattle on the CC 610-22-43 Pad

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

8/12/2021

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 610-22-43
Date:	Wednesday, August 18, 2021
Weather:	Scattered T-Storms, Light Wind, Hi 82°, Lo 54°

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 operations associated with addressing issues identified by COGCC in Document #696202920. The crew completed the installation of excelsior wattle around the perimeter of the reclaimed CC 610-22-43 location. A total of 185 feet of additional excelsior wattle was installed today.</p>

Photo 1

North West Elevation

• 39.539075, -108.206871 ±38ft ▲ 8441ft



Wattle installation
CC 610-22-43 pad (reclaimed)
18 Aug 2021 12:45:49

Installing Excelsior Wattle around the Perimeter of the Reclaimed CC 610-22-43 Location

Photo 2

Photo 3

Photo 4

Inspector Name and Title	Mark Carlson, Environmental Inspector
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<i>Mark Carlson</i>	8/18/2021
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>	
	Stormwater Manager Certification Signature