

Stormwater Inspection Report



Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	Cascade Creek 629-23-43 Pad
Date:	Thursday, March 18, 2021
Weather:	Partly Cloudy, Light Wind, 50°, Lo 27°

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 installed BMPs on the Cascade Creek 629-23-42 pad and broadcast seeded the pad's cut-slope. The cut-slope was broadcast seeded with Lower Cascade Creek Seed Mix and Regreen. This seeding will also be treated with a hydroseeding application which will apply soil amenities and nutrients to help foster growth on the relatively sterile shale material. Wattle was installed along the top of the cut-slope directly below vertical cuts. This wattle was staked heavily and had additional longer bale stakes installed behind the wattle. This will help the wattle remain in place on the steep slopes and add strength to the toe of the vertical slopes. Once the seeding establishes on the loose shale material, the cut-slope should meet all stabilization requirements identified by COGCC. A total of 700 feet of excelsior wattle was installed.</p>

Photo 1



Broadcast Seeding the CC 629-23-42 Cut-Slope

Photo 2



Hand Digging Trench for Wattle Installation

Photo 3



Installing Wattle above Loose Shale Material

Photo 4



Wattle Laid Out in Preparation for Staking

Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

Inspector Signature

3/18/2021

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

Stormwater Inspection Report



Operator:	Laramie Energy, LLC
Project:	Cascade Creek
Location:	Cascade Creek 629-23-43 Pad
Date:	Friday, March 19, 2021
Weather:	Mostly Sunny, Light Wind, 62°, Lo 32°

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 installed additional straw bale staked below excelsior wattle installed yesterday on the Cascade Creek 629-23-42 pad. This work was preformed to provide additional strength to the upper installation.</p>

Photo 1



Wattle Installed on the CC 629-23-42 Pad

Photo 2



Wattle Installed on the CC 629-23-42 Pad

Photo 3



Photo 4



Inspector Name and Title

Mark Carlson, Environmental Inspector

Mark Carlson

3/19/2021

Inspector Signature

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 629-23-42 Pad
Date:	Wednesday, March 31, 2021
Weather:	Mostly Sunny, Windy, 56°, Lo 4°

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>In reference to SCOGCC #696201173; the stabilization of the pad 629-23-42. The cut-slope was prepped by broadcasting a mixture of seed and water. This step was added due to the arid conditions in this area. After the area was prepped an additional spray was broadcasted using a fertilizer seed mix. A total of 2,100 gallons of hydroseeding mixture was spread on the cut slope.</p>

Photo 1

161°S (T) 39°29'28"N, 108°14'41"W ±26ft ▲ 6080ft



PHixon

31 Mar 2021, 09:46:29

The contractor prepping the area for hydroseeding

Photo 2

239°SW (T) 39°29'29"N, 108°14'42"W ±9ft ▲ 6064ft



PHixon

31 Mar 2021, 12:13:54

Broadcasting the hydroseed mix

Photo 3

167°S (T) 39°29'31"N, 108°14'41"W ±26ft ▲ 6096ft



PHixon

31 Mar 2021, 12:51:48

The extent of the hydroseeding

Photo 4



Ariel view showing the application of the hydro seeding.

Inspector Name and Title

Paul Hixon, Environmental Inspector

3/31/21

Inspector Signature

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