

## Stormwater Inspection Report



<b>Operator:</b>	Laramie Energy, LLC
<b>Project:</b>	Buzzard Creek
<b>Location:</b>	Elk Ranch 17-22D Pad
<b>Date:</b>	Tuesday, August 24, 2021
<b>Weather:</b>	Clear, Calm, 86°, Lo 53°

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

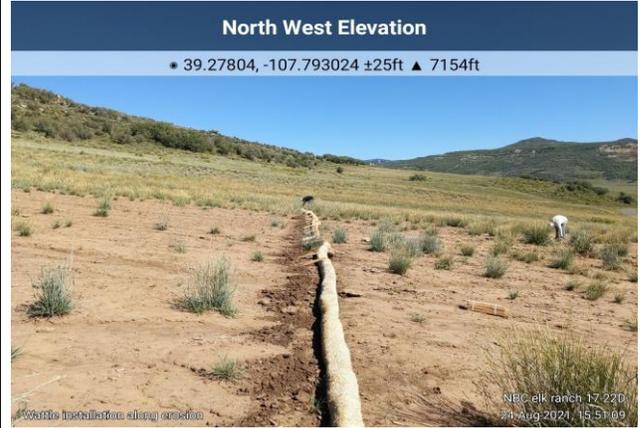
Comments / Descriptions / Explanations
<p>Two BMP crews began work on the Elk Ranch 17-22D pad in response to COGCC Document #696203079. This work was unintentionally started later than desired due to administrative errors within Aspen. Stormwater issues identified by COGCC were to be completed by today, 8/24/21. Unfortunately due to the volume of work and starting this work too late, it is anticipated that these issues will not be completely resolved until 8/25/21. Old deteriorated wattle that was no longer functioning properly was removed for disposal. These locations will have new wattle installed as necessary. The crews installed 350 feet of new excelsior wattle in areas experiencing erosion. This wattle will serve as checks to slow runoff velocities and retain any associated sediment. This location is scheduled to be seeded again this fall to increase desirable plant densities which will provide better erosion control. Activities are scheduled to continue tomorrow on the Elk Ranch 17-22D Pad.</p>

**Photo 1**



*Deteriorated BMP Removal on Elk Ranch 17-22D Pad*

**Photo 2**



*New Excelsior Wattle Installation on the Elk Ranch 17-22D Pad*

**Photo 3**



*Installing Excelsior Wattle on the Elk Ranch 17-22D Pad*

**Photo 4**



**Inspector Name and Title**

Mark Carlson, Environmental Inspector

*Mark Carlson*

8/24/2021

**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



<b>Operator:</b>	Laramie Energy, LLC
<b>Project:</b>	Buzzard Creek
<b>Location:</b>	Elk Ranch 17-22D Pad
<b>Date:</b>	Wednesday, August 25, 2021
<b>Weather:</b>	Clear, Calm, 87°, Lo 57°

Type of Inspection Report	14-Day Routine	Monthly Routine	Post-Storm	Corrective Action	Winter Exclusion	Stabilization Complete	Site Review
				<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>Two BMP crews continued to operate within the Buzzard Creek Project Area. Work was completed on the Elk Ranch 17-22D pad in response to COGCC Document #696203079. An ATV and pasture harrow were utilized to remove erosion features from the location. Old, deteriorated wattle that no longer functioned correctly were removed for disposal. An additional 775 feet of excelsior wattle was installed to help prevent erosion features from forming again and to help avoid the discharge of any sediment. Rock sock checks were installed in areas with concentrated flow to reduce discharge velocities, and in turn, limit erosion. The Elk Ranch 17-22D pad will be seeded again this fall with a no-till drill to help increase desirable plant densities.</p>

**Photo 1**

**North East Elevation**

• 39.277766, -107.793603 ±22ft ▲ 7182ft



Removal of insufficient bins

NBC elk ranch 17-22D (reclaimed)  
25 Aug 2021, 09:51:03

**Removing Old Deteriorated Wattle on the Elk Ranch 17-22D Pad**

**Photo 2**

**West Elevation**

• 39.278259, -107.792969 ±26ft ▲ 7217ft



Harrowing erosion of pad

NBC elk ranch 17-22D (reclaimed)  
25 Aug 2021, 11:29:20

**Harrowing the Elk Ranch 17-22D Pad to Remove Erosion Features**

**Photo 3**

**East Elevation**

• 39.277469, -107.792928 ±14ft ▲ 7192ft



Wattle installation along edge of disturbance

NBC elk ranch 17-22D (reclaimed)  
25 Aug 2021, 13:15:31

**Installing Excelsior Wattle on the Elk Ranch 17-22D Pad**

**Photo 4**

**South Elevation**

• 39.277578, -107.79314 ±21ft ▲ 7181ft



Rock sock installation to prevent further erosion

NBC elk ranch 17-22D (reclaimed)  
25 Aug 2021, 14:55:52

**Installing Rock Sock Checks on the Elk Ranch 17-22D Pad**

**Inspector Name and Title**

Mark Carlson, Environmental Inspector

*Mark Carlson*

**Inspector Signature**

8/25/2021

**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**