

Inspection Photos

8/4/2023

Operator: LARAMIE ENERGY LLC #10433

Location Number: 335595

Garfield County, CO

Aaron Trujillo
NW Reclamation Specialist
CECMC



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Department of Natural Resources

Colorado Oil and Gas Conservation Commission

CC/0697-15-23 Pad, #335595 Issue Report



Created on August 10, 2023

Captured on August 4, 2023



Open

20 - Observation

Aug 4, 2023 at 10:27am



Details

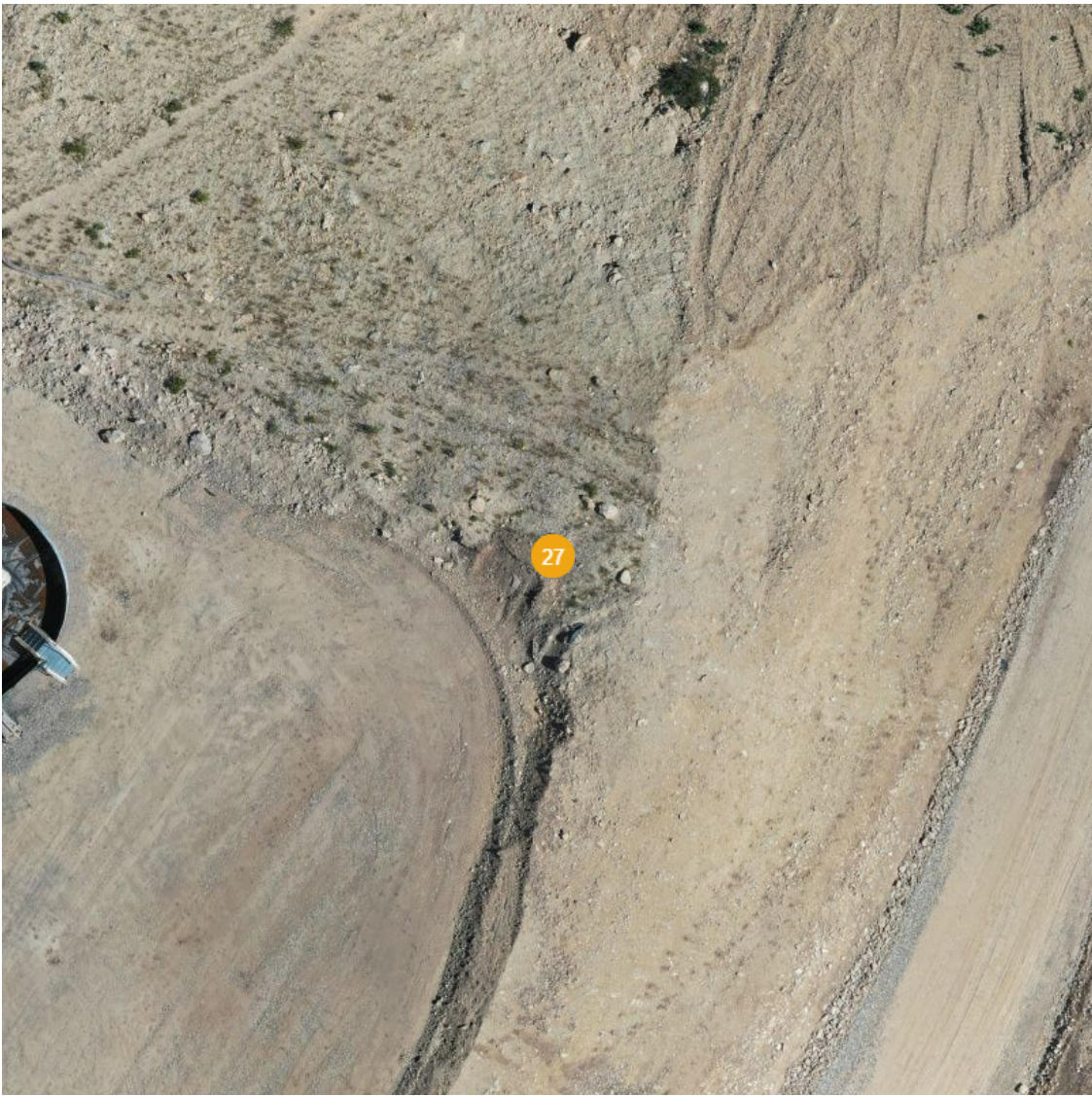
Summary: Slopes predominantly bare and un stabilized. Stormwater and Erosion control measures to stabilize slopes, as well as and to manage runoff in a manner that minimizes erosion, degradation and sediment transport inadequate on the Location. Interim areas not progressing towards 1003 reclamation standards.

Created:	Aug 10, 2023, 8:42am by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	39.52533, -108.20041
Area:	1.61 acres
Surface Area:	1.85 acres

Open

27 - Observation

Aug 4, 2023 at 10:27am



Details

Summary:

Created:

Cost of Repair:

Lat/Long:

Northing:

Easting:

Elevation:

NAD83(2011) / Colorado Central (ftUS) (US survey foot)

Trash Debris
Aug 10, 2023, 8:47am by Aaron Trujillo
—
39.5255996, -108.1998757
1627644.3 US ft
2238526.3 US ft
42.26 US ft

Open

26 - Observation

Aug 4, 2023 at 10:27am



Details

Summary:

Created:

Cost of Repair:

Lat/Long:

Northing:

Easting:

Elevation:

NAD83(2011) / Colorado Central (ftUS) (US survey foot)

Trash Debris

Aug 10, 2023, 8:47am by Aaron Trujillo

—

39.5254851, -108.2004339

1627607.2 US ft

2238367.7 US ft

37.84 US ft

Open

25 - Observation

Aug 4, 2023 at 10:27am



Details

Summary:	Erosion Logs have not been installed or maintained in accordance with good engineering practices.
Created:	Aug 10, 2023, 8:46am by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	39.5257023, -108.2002427
Northing:	1627684.7 US ft
Easting:	2238423.9 US ft
Elevation:	37.42 US ft
NAD83(2011) / Colorado Central (ftUS) (US survey foot)	

Open

24 - Observation

Aug 4, 2023 at 10:27am



Details

Summary:	Slope drain has not been constructed with a properly engineered and armored outlet.
Created:	Aug 10, 2023, 8:46am by Aaron Trujillo
Cost of Repair:	—
Lat/Long:	39.5257147, -108.2005533
Northing:	1627691.8 US ft
Easting:	2238336.5 US ft
Elevation:	26.72 US ft
NAD83(2011) / Colorado Central (ftUS) (US survey foot)	

Open

23 - Observation

Aug 4, 2023 at 10:27am



Details

Summary:	Slope drain has not been secured in accordance with good engineering practices.		
Created:	Aug 10, 2023, 8:45am by Aaron Trujillo		
Cost of Repair:	—		
Lat/Long:	39.5256816, -108.2004835		
Northing:	1627679.2 US ft		
Easting:	2238355.8 US ft		
Elevation:	17.69 US ft		
NAD83(2011) / Colorado Central (ftUS) (US survey foot)			

Open

22 - Observation

Aug 4, 2023 at 10:27am



Details

Summary: Slope drain outlet from the working pad surface of the Location has filled with sediment, and is not longer in proper functioning condition.

Created: Aug 10, 2023, 8:45am by Aaron Trujillo

Cost of Repair: —

Lat/Long: 39.5255844, -108.2004285

Northing: 1627643.3 US ft

Easting: 2238370.3 US ft

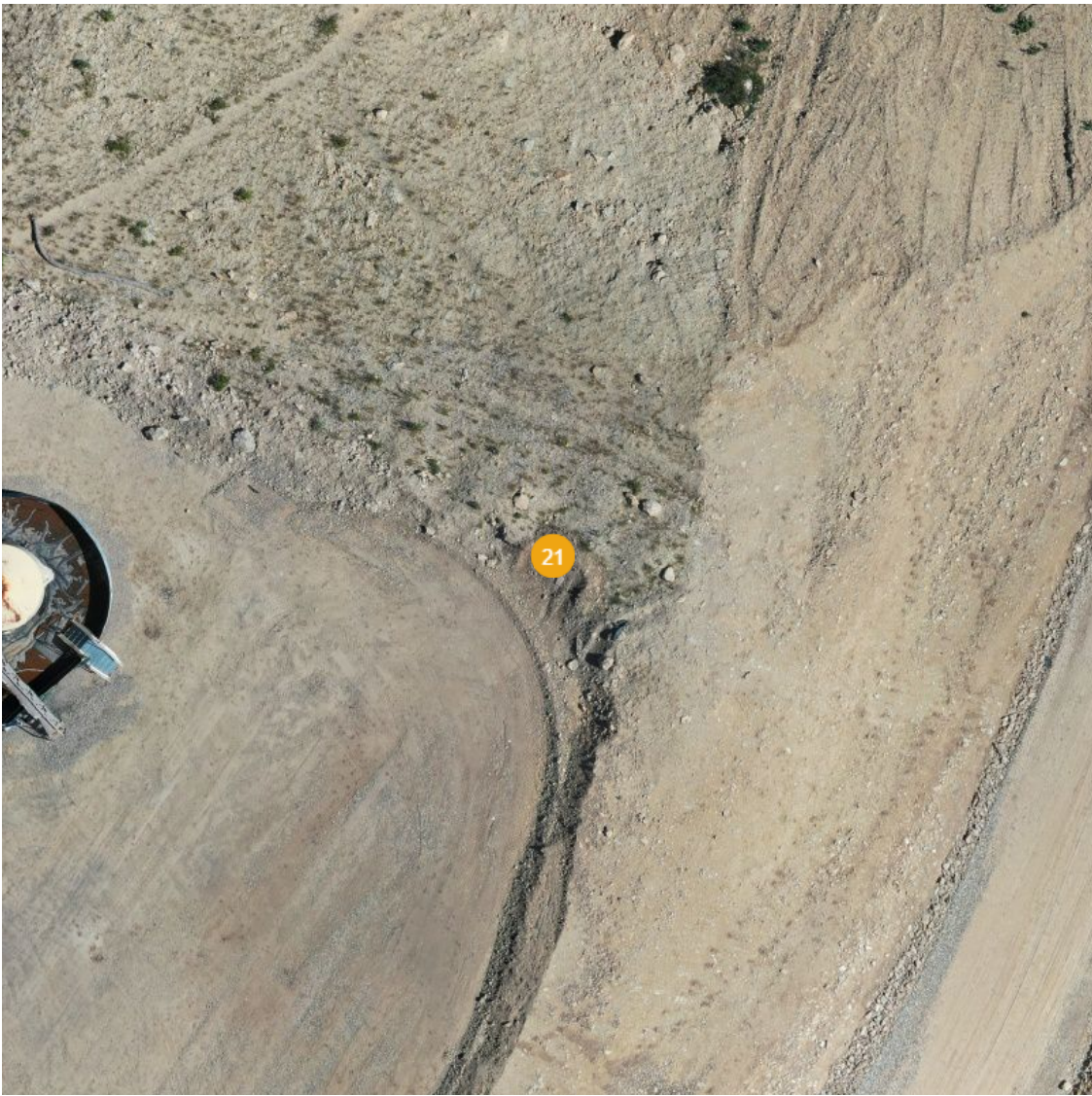
Elevation: 39.47 US ft

NAD83(2011) / Colorado Central (ftUS) (US survey foot)

Open

21 - Observation

Aug 4, 2023 at 10:27am



Details

Summary: Berms along perimeter of the working pad surface largely unconsolidated material. This does not comport with good engineering practices.

Created: Aug 10, 2023, 8:44am by Aaron Trujillo

Cost of Repair: —

Lat/Long: 39.5255988, -108.1998975

Northing: 1627644.2 US ft

Easting: 2238520.2 US ft

Elevation: 42.16 US ft

NAD83(2011) / Colorado Central (ftUS) (US survey foot)

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Photo 1: Photos taken from the northeast end of the Location, facing south and southwest. Photos show interim areas of the Location are bare, unstabilized and not progressing towards 1003 standards; stormwater erosion and control measures to stabilize the slopes and manage runoff are inadequate.



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Photo 2: Photo taken from the east end of the Location, facing west. Photo shows steep slopes with unstabilize and bare soils; stormwater erosion and control measures to stabilize the slopes and manage runoff are inadequate.



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Photo 3: Photo taken from the east end of the Location, facing southwest. Photo shows steep slopes with unstabilize and bare soils; stormwater erosion and control measures to stabilize the slopes and manage runoff are inadequate.



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Photo 11: Photo taken from the south end of the Location, facing northeast. Photo shows steep slopes with unstabilize and bare soils; stormwater erosion and control measures to stabilize the slopes and manage runoff are inadequate.



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Photo 5: Photo taken from the west end of the Location, facing west. Photo shows bare and unstabilize interim areas not progressing towards 1003 standards



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Photo 6: Photo taken from the west end of the Location, facing south. Photo shows bare and/or unstabilized interim areas not progressing towards 1003 standards

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Photo 7: Photo taken from the interim areas on the northwest end of the Location, facing northeast. Interim areas are not progressing towards an 80% uniform desirable perennial vegetative cover to that of the adjacent reference.



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Photo 8: Outlet from the working pad surface to the slope drain on the west end of the Location no longer apparent, or in proper functioning condition.



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Photo 9: Slope drain has not been secured in accordance with good engineering practices.

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Photo 10: Photo shows slope drain outlet; slope drain has not been constructed with a properly engineered and armored outlet; degradation apparent.

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Photo 11: Photos example showing the single row or erosion log (straw wattles) installed on the western and northern interim areas of the Location. Control measures has not been installed or maintained in accordance with good engineering practices; control measure alone is inadequate to manage runoff or stabilize the steep slopes of the Location.



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Photo 12: Photo taken from the interim areas on the northwest end of the Location, facing north. Photo shows bare and unstabilized soils; perimeter control measures to manage runoff not observed; interim areas not progressing towards 1003 standards.



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Photo 13: Photo taken from the interim areas on the northwest end of the Location, facing southwest. Photo shows bare and unstabilized soils; perimeter control measures to manage runoff not observed; interim areas not progressing towards 1003 standards.



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Photo 14: Photo shows bare and unstabilized soils; perimeter control measures to manage runoff not observed; interim areas not progressing towards 1003 standards. Sediment/fill material encroachment onto vegetation within adjacent areas of the Location.



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Photo 15: Photo taken from the interim areas on the north end of the Location, facing southeast. Photo shows bare and unstabilized soils; perimeter control measures to manage runoff not observed; interim areas not progressing towards 1003 standards.

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Photo 16: Photo taken from the eastern working pad surface, facing southwest. Photo example showing the berm has not been consolidated in accordance with good engineering practices.



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Photo 17: Trash debris north of the separator equipment, and northeastern working pad perimeter.