

Inspection Photos

8/4/2023

Operator: LARAMIE ENERGY LLC #10433

Location Number: 335647

Garfield County, CO

Aaron Trujillo
NW Reclamation Specialist
CECMC



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Photo 1: Photo taken from the north end of the Location, facing west. Photo shows Operator's attempts to remove the fill material from the topsoil stockpile. Photo also shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.

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Photo 2: Photo of topsoil stockpile on the north end of the Location. Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.



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Photo 3: Photo of topsoil stockpile on the north end of the Location. Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.



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Photo 4: Photo taken from the south end of the Location, facing west. Photo shows Operator's attempts to remove the fill material from the topsoil stockpile. Photo also shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.

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Photo 5: Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.

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Photo 6: Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.



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Photo 7: Photo taken from the southeast end of the Location. Photo shows ditch appears to have been constructed with topsoil materials. Fill material remains spread over topsoil and off-site.



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Photo 8: Fill material remains spread over topsoil and off-site.



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Photo 9: Photo taken from the east end of the Location. Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient; Perimeter controls at stockpile (silt fence) completely removed.



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Photo 10: Photo taken from the east end of the Location. Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient; Perimeter controls at stockpile (silt fence) completely removed.

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Photo 11: Photo shows vegetation on topsoil stockpile; vegetation observed predominantly Undesirable Plant Species; weeds include Ameranth, various introduced mustard species, prostrate knotweed, etc... BMPs to protect topsoil from weeds remains inadequate.

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Photo 12: Photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.



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Photo 13: Photo taken from the “ditch” on the northwest end of the Location. Ditch is not per good engineering practices and remains predominantly topsoil material; photo shows BMPs to ensure soils remain segregated, protected from weeds, wind and water erosion, as well as BMPs to stabilize, minimize degradation and sediment transport remain missing or insufficient.



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Photo 14: Photo taken from the western working pad surface. Photo example showing 1 of the 2 slope drains installed on Location; per SWMP, Operator was to implement a slope drain in conjunction with a sediment trap on the WPS, connected to a sediment trap at the toe of the slope; outlet has not been constructed per the SWMP.



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Photo 15: Photo example showing slope drain has not been properly secured per good engineering practices.

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Photo 16: Photo example showing slope drains have not been constructed with a properly engineered and armored outlet.



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Photo 17: Photo taken from the west end of the Location. Photo shows a single sediment trap constructed on the west end of the location; control measure is inadequate in size to manage runoff from the 3.7 acre working pad.



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Photo 18: Photo taken from the sediment trap on the west end of the Location. Control measure is inadequate in size to manage runoff from the 3.7 acre working pad.

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Photo 19: Photo shows outlet/spillway of the sediment trap. Control has been constructed per good engineering practices; outlet only partially armored and not in conjunction with geotextile lining.

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Photo 20: Photo shows outlet/spillway of the sediment trap. Control has been constructed per good engineering practices; outlet only partially armored and not in conjunction with geotextile lining.

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Photo 21: Photo taken from below the outlet of the sediment trap. Photo shows outlet has not been constructed in accordance with good engineering practices. Erosion degradation and sediment transport apparent.