

# Inspection Photos

2/20/2019

Operator: WESTERN OPERATING COMPANY -  
95620

Location ID: 312291

Inspection Doc. Number: 682504518  
Logan County, CO

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**Photo 1:** Photo taken from the end end of the location, facing southeast. Photo shows the disturbed areas down gradient of the pit and production areas. Photo shows operator appears to have placed erosion logs around the perimeter of the pit, and portions of the interim areas



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**Photo 2:** Continued from photo 1. Photo shows erosion log BMP. Erosion logs are sediment control barriers and ponding BMPs that intercept sheet flow runoff from disturbed areas, and are required to be trenched and back-filled in order to be in proper functioning condition. Photo shows Operator appears to have only placed/staked the erosion logs upon the surface of the soil; BMPs have not been trenched and back-filled in accordance with good engineering practices and are not in proper functioning condition.



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**Photo 3:** See comments under photo 2.





**Photo 4:** See comments under photo 2.





**Photo 5:** Photo taken from the disturbed interim areas on the east end of the pit. Photo shows the seeded soils of the interim areas remain bare and exposed. Previous inspections required stabilization control BMPs to stabilize the seeded soils to mitigate further erosion degradation. Unable to find evidence that stabilization controls have been installed/maintained; Areas downgrade of the pit and location remain at risk to erosion degradation. Parallel striations observed in the soils are likely a result from seeding activities using a no-till drill and are not considered to be (or suitable as) a stormwater and erosion control BMP.





**Photo 6:** Continued from photo 5. See comments under photo 5.





**Photo 7:** Photo taken from the southeast interim areas (Southeast end of pit), facing southeast. Photo of erosion log. See comments under photo 2.





**Photo 8:** Continued from photo 7. Photo shows erosion log has not been trenched and backfilled in accordance with good engineering practices. See comments under photo 2. Photo also shows operator appears to have seeded with the contour of the slope, rather than along the contour. This is not advised as seed rows can concentrate stormwater flows down the slope and facilitate rill and gully erosion.





**Photo 9:** Continued from photo 8. Photo shows erosion log has not been trenched and backfilled in accordance with good engineering practices. See comments under photo 2





**Photo 10:** Photo taken from the southeast interim areas (Southeast end of pit), facing west. See comments under photo 5.





**Photo 11:** Photo taken from the south end of the pit, facing east. See comments under photo 5.





**Photo 12:** Photo taken from the south end of the pit, facing west. See comments under photo 5.



**Photo 13:** Photo taken from the southwest interim areas (southwest of pit) facing west. Photo shows erosion log has not been trenched and backfilled in accordance with good engineering practices. See comments under photo 2.





**Photo 14:** Continued from photo 13. Photo shows erosion log has not been trenched and backfilled in accordance with good engineering practices

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**Photo 15:** Photo taken from the southwest interim areas (southwest of pit) facing north. See comments under photo 5.





**Photo 16:** Photo taken from the disturbed interim areas on the west end of the pit. Photo shows the seeded soils of the interim areas remain bare and exposed. Previous inspections required stabilization control BMPs to stabilize the seeded soils to mitigate further erosion degradation. Unable to find evidence that stabilization controls have been installed/maintained; Areas downgrade of the pit and location remain at risk to erosion degradation.