

Interim Reclamation and Stormwater Inspection

Date: 08/24/2022

Operator: WESTERN OPERATING COMPANY -95620

Location ID: 312291

Inspection Document #: 696105386

Logan County, CO

SWSW Section 26 T11N R53W

Dylan Edwardson
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

Department of Natural Resources

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 1. Location photo taken from northern portion, facing south. Photo illustrates gully erosion (outlined in red) on western edge of battery location.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 2. Pit photo taken from northwestern corner, facing south. Photo illustrates non-uniform vegetation cover resulting in bare soil and straw wattle (outlined in red) not properly installed and displaced within affected area; this is now considered debris and needs to be disposed of accordingly.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 3. Pit photo taken from western portion, facing south. Photo illustrates straw wattles buried with sediment and are in need of maintenance/replacement to properly capture sediment laden stormwater from exiting location (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 4. See comments in photo 3.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 5. Salt Kill area photo taken from western edge of pit, facing southwest. Photo illustrates non-uniform vegetation cover resulting in bare soil and presence of annual weedy vegetation (e.g. predominantly Kochia).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 6. Pit photo taken from southwestern corner, facing southeast. Photo illustrates inadequate stormwater BMPs, straw wattles, that have not been properly maintained causing sediment laden stormwater to leave off location (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 7. See comments in photo 6.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 8. Salt Kill area photo taken from southwestern corner of pit, facing east. Photo illustrates some desirable germination present (e.g. buffalo grass, wheatgrass) and evidence of sediment laden stormwater exiting location (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 9. Salt Kill area photo taken from southwestern portion, facing southeast. Photo illustrates desirable revegetation observed within salt kill area.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 10. Salt Kill area photo taken from southwestern portion, facing northeast. Photo illustrates non-uniform vegetation cover resulting in bare soil.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 11. Photo illustrates straw wattle netting off location. Photo taken west of location facing east.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 12. Close up photo of salt kill area germination. Non-uniform vegetation cover resulting in bare soil and undesirable vegetation present (e.g. kochia).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 13. Reference area photo taken west of salt kill extent, facing southwest.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 14. Pit photo taken from southwestern portion, facing northeast. Photo illustrates inadequate stormwater BMPs allowing sediment laden stormwater to exit off location and rill erosion on pit walls (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 15. See comments in photo 14.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291

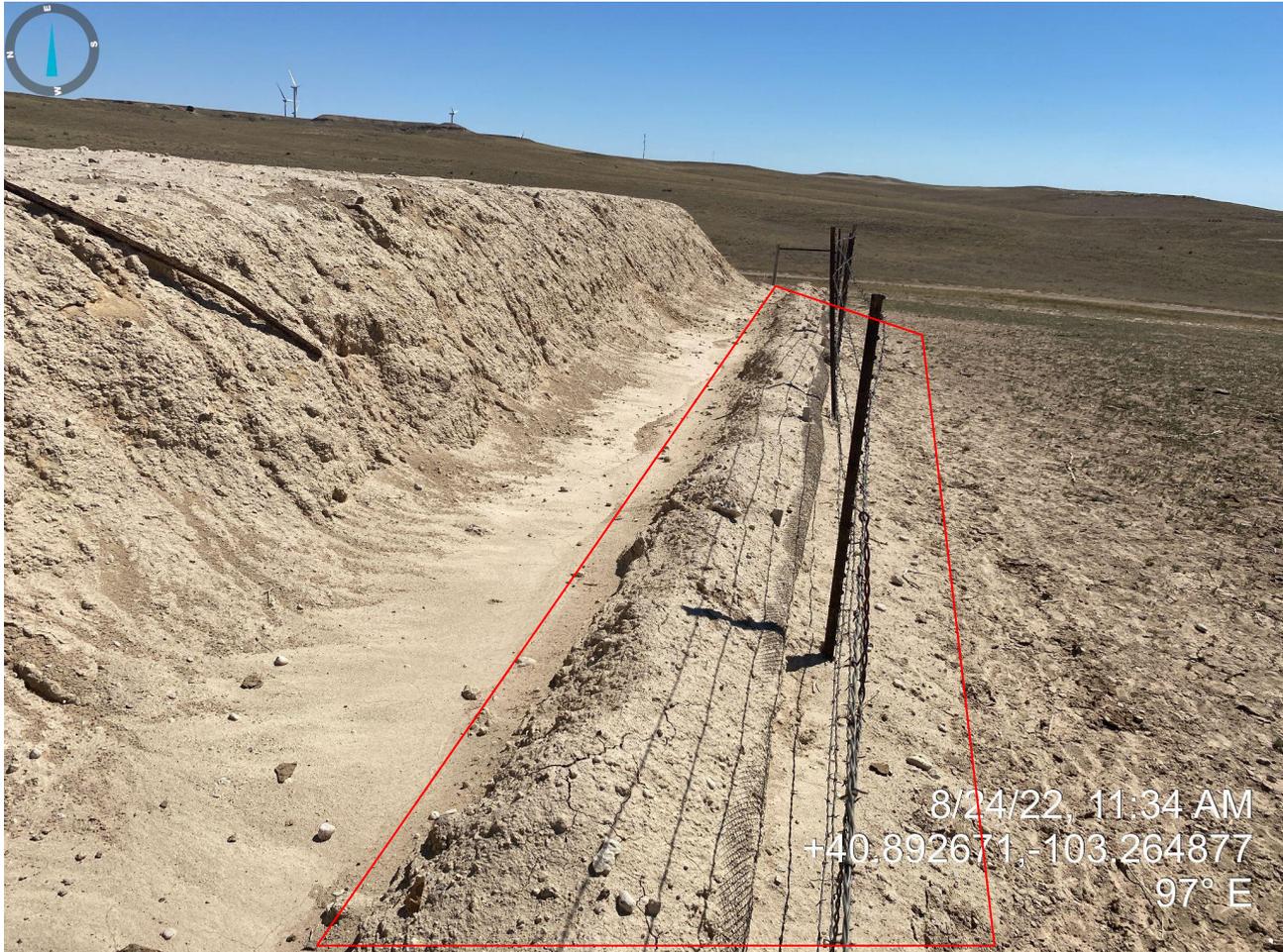


Photo 16. See comments in photo 14.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 17. Salt kill area photo taken from southern edge of pit, facing east. Photo illustrates non-uniform vegetation cover resulting in bare soil; additionally, this portion of the reclaimed area is predominantly Kochia.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 18. See comments in photo 17.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 19. Close up photo illustrates missing straw wattle.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 20. Pit photo taken from southeast corner, facing northeast. Photo illustrates insufficient stormwater BMPs allowing sediment laden stormwater to exit off location (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 21. See comments in photo 20.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 22. Photo taken southeast of pit, facing north. Photo illustrates areas of non-uniform vegetation cover resulting in bare soil within the salt kill area. (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 23. Salt kill area photo taken from access southeast of location, facing northwest. Photo illustrates portions of the reclaimed area have some desirable vegetation and are temporarily stabilized.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 24. Salt kill area photo taken from southeastern corner of pit, facing north. Photo illustrates offsite sediment transportation (outlined in red), and non-uniform vegetation cover resulting in bare soil. Vegetation is predominantly kochia.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 25. Pit photo taken from southeast corner of pit, facing west. Photo illustrates insufficient stormwater BMPs allowing sediment laden stormwater to exit off location (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 26. see comments in photo 25.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 27. Salt kill area photo taken from center/eastern edge of pit, facing east. Photo illustrates reclaimed area has non-uniform vegetation cover resulting in bare soil and annual weedy vegetation, predominantly kochia.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 28. Close up of salt kill area. See comments in photo 27.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 29. Salt kill area photo taken from access road, facing west. See comments in photo 27.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 30. Pit photo taken from northeast corner, facing south. Photo illustrates absence of stormwater BMPs around portions of the pit, resulting in sediment laden stormwater exiting off location. Additionally, it was observed that the pit walls are experiencing rill erosion (outlined in red).

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 31. Location photo taken from northeast corner of pit, facing northwest. Photo illustrates slopes have not been stabilized and do not have temporary stormwater BMPs in place. Additionally, it was observed that the slopes do not have uniform vegetation cover resulting in bare soil.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 32. Photo taken northeast of pit corner, facing north. It appears the straw wattles were not installed according to good engineering practices and has moved off location. The wattle is considered debris and needs to be disposed of accordingly.

Inspection Photos
Location Name: PROPST-611N53W
Location ID: 312291



Photo 33. Photo taken from northeast corner of pit, facing southeast. See comments in photo 31.