

Final Reclamation and Stormwater Inspection

Date: 11/22/2022

Operator: WESTERN OPERATING COMPANY - 95620

Location ID: 312291

Inspection Document #: 696105616

Logan County, CO

SWSW Section 26 T11N R53W

Dylan Edwardson
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

Department of Natural Resources



Photo 1. Taken from the northern portion of the location, facing north. Photo illustrates a road maintenance piece of equipment with an open barrel of crude/condensate. This road maintainer and crude/barrel need to be properly removed and disposed of. See Environmental Inspection (Doc #690900222) for additional information.

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Photo 2. Taken on the northwest corner of pit, facing northwest. Photo illustrates a broken fence post; this is now considered debris and needs to be removed or repaired.

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Photo 3. Taken from the eastern portion of the location, facing east. Photo illustrates debris (t-post) that needs to be disposed of.

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Photo 4. Taken southwest of the pit, facing east. Photo illustrates straw wattle netting that was identified in a previous inspection report, was given a corrective action to dispose of, and remains on the location as of 11/22/2022.

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Photo 5. Taken from the northern portion of the location, facing northeast. Photo illustrates gully erosion that has not been stabilized and/or had stormwater BMPs implemented; this has been addressed in prior inspections.

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Photo 6. Taken from the northern wall of the pit, facing south. Photo illustrates rill and gully erosion on the pit walls, outlined in red.



Photo 7. Taken from the southeastern corner of the pit, facing west. Photo illustrates an oil skim on the surface of the water.

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Photo 8. Drone aerial imagery taken from the southern part of the location, facing north. Photo illustrates the presence of rill and gully erosion that is occurring on all pit walls from stormwater run-on and run-off. Also observed is undesirable vegetation (e.g. kochia) in red and the oil skim on the surface of the water.



Photo 9. Taken from the eastern portion of the location, facing southeast. Photo illustrates gully erosion that has not been repaired and stabilized, and does not have any evidence of stormwater BMPs to prevent further off-site sediment transport and degradation to adjacent areas.

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Photo 10. Taken from the northeast corner of the pit, facing east. Photo illustrates that reclamation efforts don't appear to be achieving reclamation standards as vegetation is sparse and bare soil is evident. Additionally, it does not appear that are any stormwater BMPs to prevent erosion from occurring.

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Photo 11. Taken from the northeastern corner of the pit, facing east. See comments in Photo 10.

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Photo 12. Taken from the northeast pit wall, facing northeast. Photo illustrates a buried straw wattle (left photo); and the right photo shows rill erosion occurring on the pit walls. It does not appear there are any stormwater BMPs to prevent sediment laden stormwater from exiting off location, outlined in red.

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Photo 13. Taken from the southeast corner of the pit, facing southeast. See comments in Photo 12.



Photo 14. Taken east of the pit, facing southwest. Photo illustrates that the pit walls are unstabilized as evidenced by rill erosion and there are no apparent stormwater BMPs to prevent sediment laden stormwater from exiting off location. Areas of bare soil in foreground are a result of stormwater exiting off location and impacts of salt kill.



Photo 15. Taken from the southeast corner of the pit, facing northwest. Photo illustrates that the salt kill area has failed to revegetate as evidenced by bare soil and presence of undesirable vegetation (e.g. kochia). Further, it does not appear stormwater BMPs has been implemented to prevent further erosion and off-site degradation to adjacent land.

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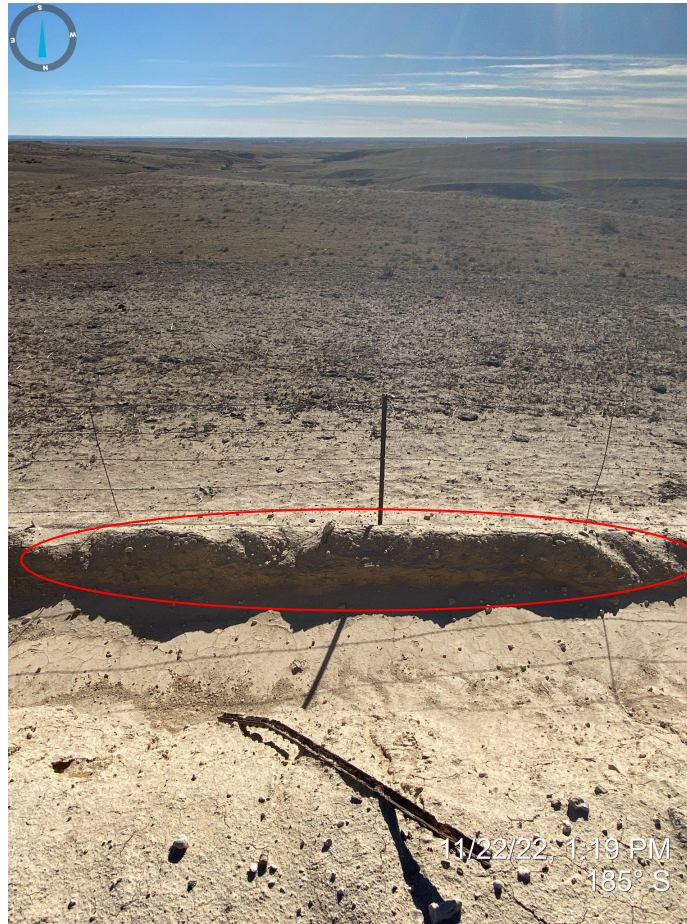


Photo 16. Taken from the southern, middle portion of the pit wall, facing south. T-post in foreground is considered debris and needs to be removed. Red outline illustrates buried straw wattles that have been covered with impacted material from the pit walls.

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Photo 17. Taken south of the pit, facing north. Photo illustrates that the salt kill areas have failed to revegetate resulting in bare soil and undesirable vegetation (e.g. kochia).

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Photo 18. Taken from the southeast corner of the pit, facing west. See comments in Photo 17.

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Photo 19. Taken from the southwest pit wall, facing southwest. Photo illustrates that no stormwater BMPs appear to be implemented and that sediment laden stormwater has exited off location, outlined in red.

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Photo 20. Taken southwest of the pit, facing east. See comments in Photo 19.



Photo 21. Taken from the western pit wall, facing west. Photo illustrates the unstabilized pit walls and evidence of rill erosion.

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Photo 22. Facing south, see comments in Photo 21.



Photo 23. Taken from the northwestern portion of the location, facing northwest. Photo illustrates erosion occurring around one of the buried guy line anchors. This area needs to be stabilized with BMPs from wind and water erosion to prevent off-site degradation and sediment migration.

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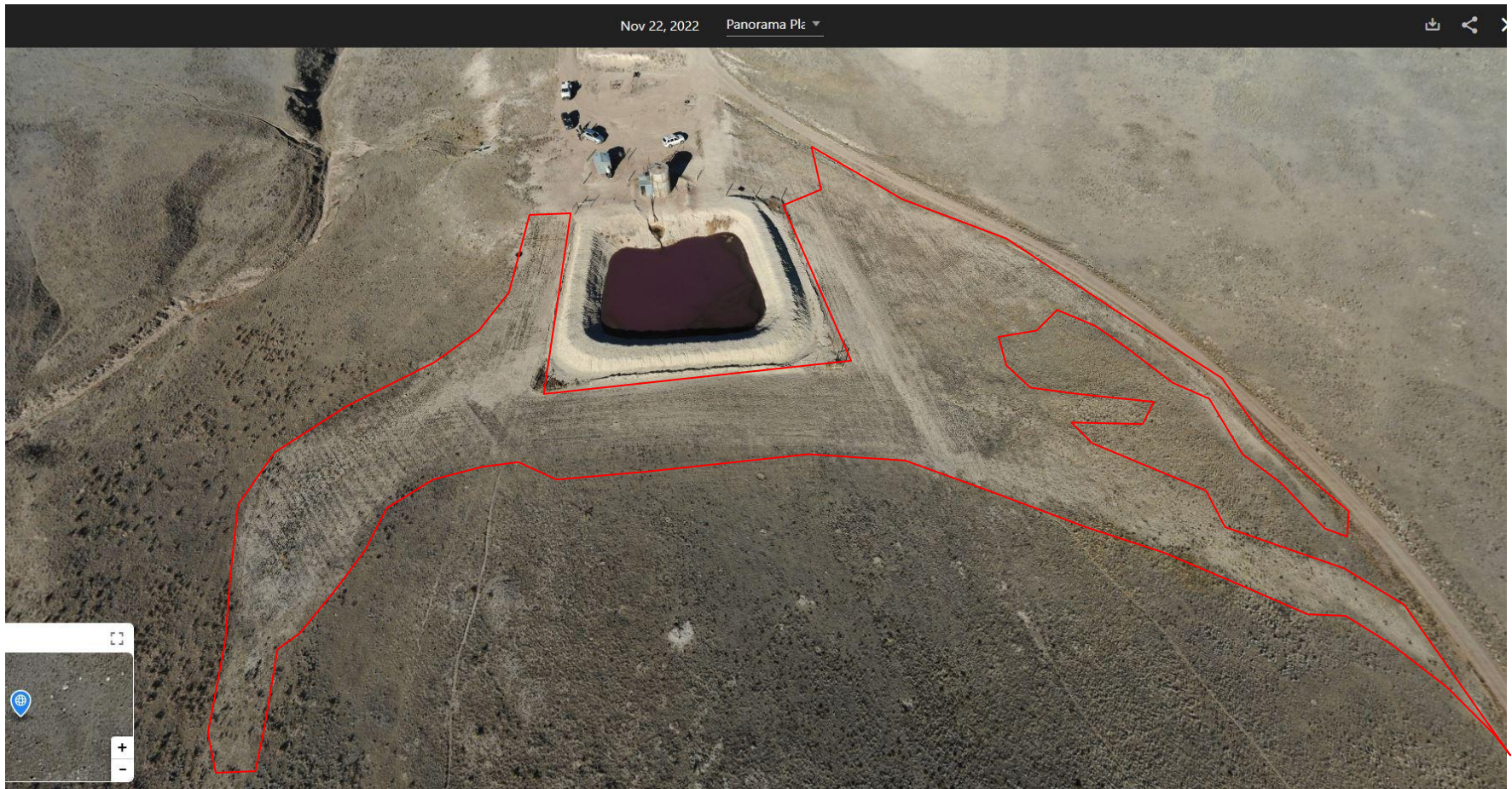


Photo 24. Drone aerial imagery taken south of the location. Photo illustrates the salt kill area with evidence of bare soil and no apparent stormwater BMPs within the salt kill area.