

Construction and Stormwater Inspection

Date: 09/15/2023

Operator: MDS ENERGY DEVELOPMENT LLC - 10814

Location ID: 477495

Inspection Document #: 708200543

Weld County, CO

NENW Section 33 T8N R59W

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Reclamation Specialist, ECMC



COLORADO

**Energy & Carbon Management
Commission**

Department of Natural Resources

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Photo 1. Taken from the revised/new access road entrance, approximately 500' south of HWY 14 and the previously used access road entrance. It does not appear the access road has been salvaged for topsoil at the time of this inspection.

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Photo 2. See comments in Photo 1.

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Photo 3. Taken from the newly constructed access road, approximately 25' south of HWY 14. Location signage needs to be placed at the entrance to the location and an adjacent county road. The signs pictured here will need to be moved to comply with 605.a.



Photo 4. Taken from the newly constructed access road, approximately 25' south of HWY 14. Evidence of sediment transport (red circle) from unstabilized soils. Additional control measures/BMPS and/or maintenance required.



Photo 5. Taken from the newly constructed access road, approximately 25' south of HWY 14. Photo illustrates unconsolidated material along the access road.



Photo 6. Taken from the western portion of the access road. Photo illustrates erosion degradation (e.g. rilling) occurring along the shoulder of the access road. Additional maintenance and/or stormwater control measures required.



Photo 7. Taken from the midsection of the access road; see comments in Photo 6.

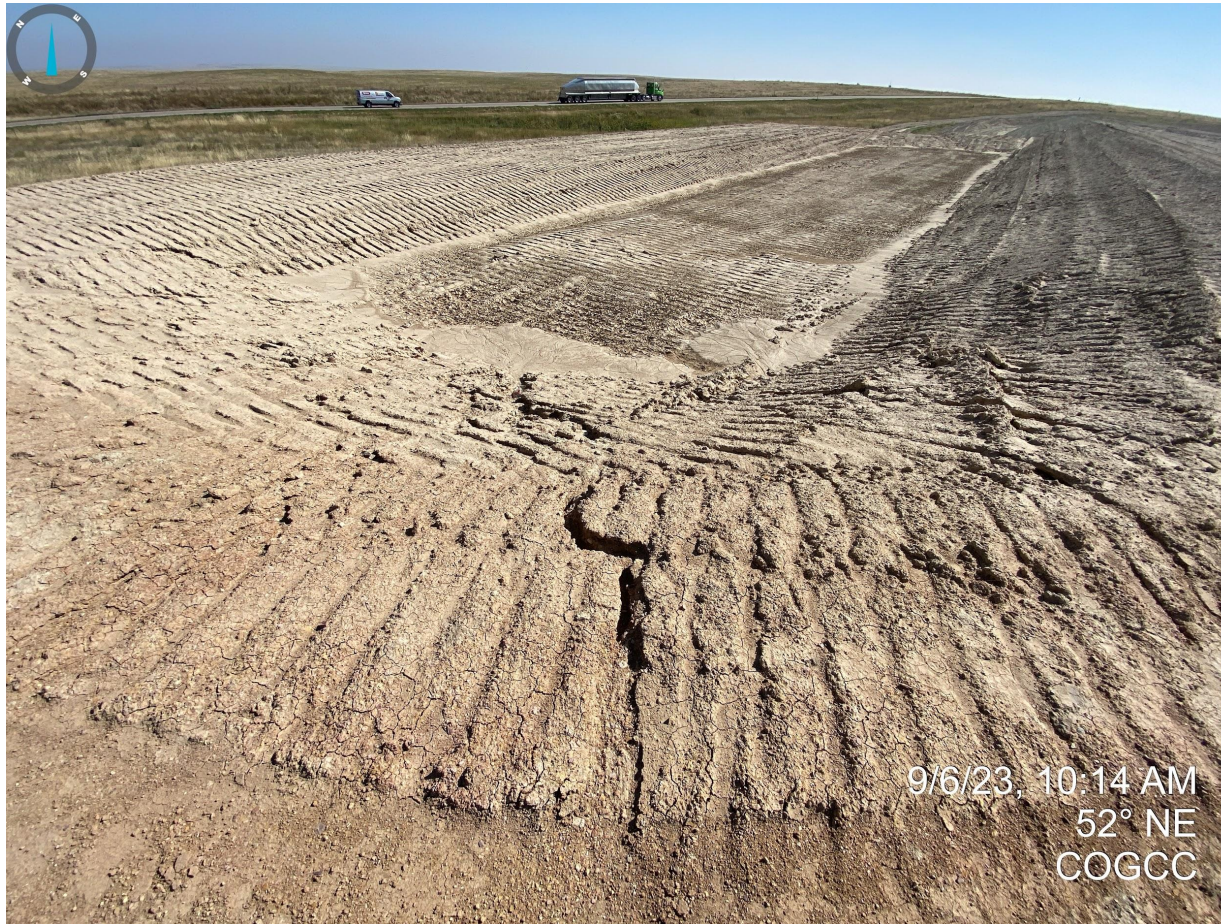


Photo 8. Taken from the sediment trap on the northern portion of the location. Photo illustrates erosion degradation (e.g. rilling) occurring from improper temporary stabilization techniques (equipment tracking that is parallel to slope). The sediment trap did not have any apparent inflow or outflow protection measures in place at the time of this inspection.

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Photo 9. Taken north of the sediment trap. Erosion degradation (e.g. rilling) observed on slopes.



Photo 10. Taken north of the sediment trap. Photo illustrates erosion degradation (e.g. rilling) occurring from improper temporary stabilization techniques (equipment tracking that is parallel to slope).



Photo 11. Taken north of the sediment trap. Photo illustrates sediment transport around the perimeter stormwater BMPs.



Photo 12. Taken north of the sediment trap. Photo illustrates off-location sediment transport into the adjacent areas. More robust stormwater control measures are required to prevent further erosion degradation.



Photo 13. Taken north and east of the sediment trap. The perimeter stormwater ditch and berm requires maintenance and repairs.

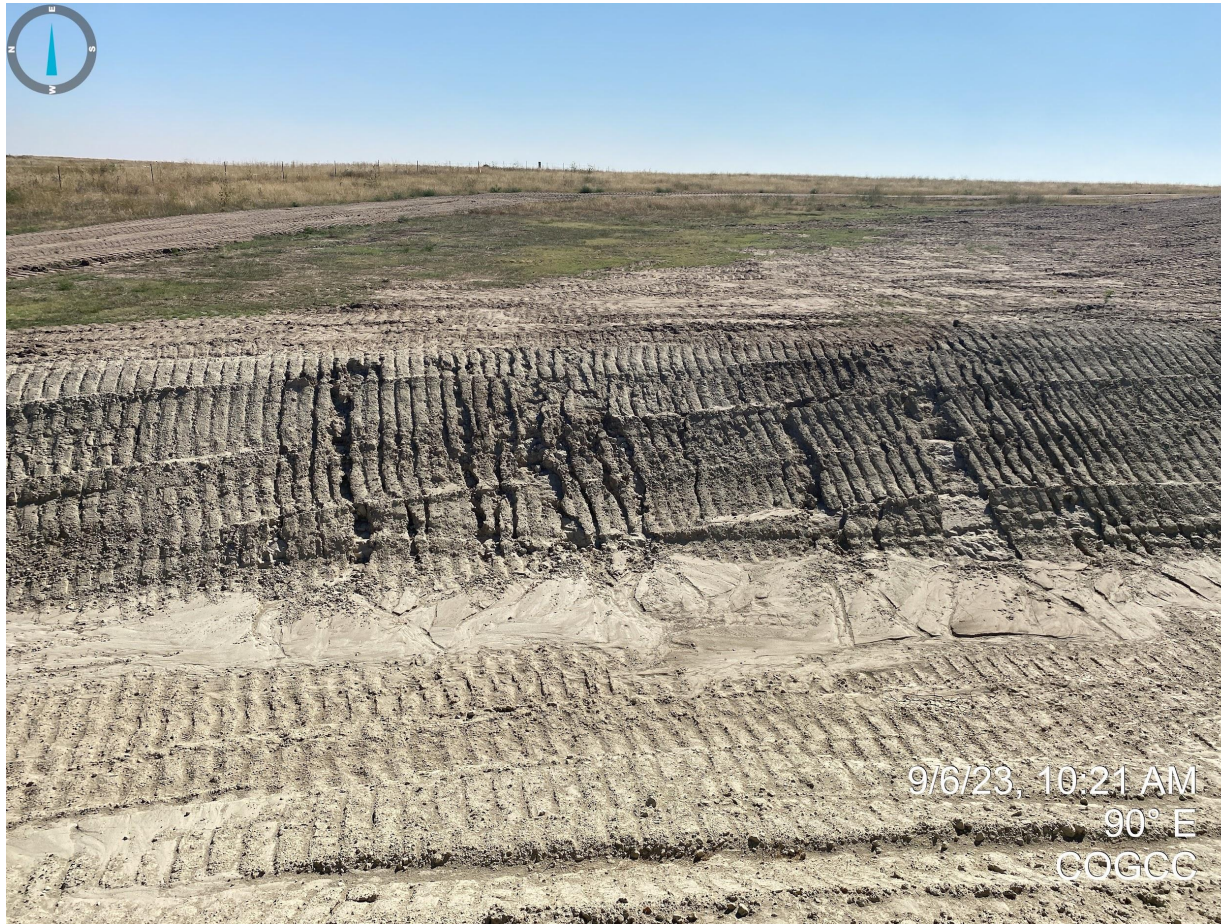


Photo 14. Taken near the northeast corner of the location. Photo illustrates erosion degradation (e.g. rilling) occurring from improper temporary stabilization techniques (equipment tracking that is parallel to slope). Also pictured, sediment transport into the stormwater ditch.

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Photo 15. Taken from the eastern portion of the production area; see comments in Photo 14.

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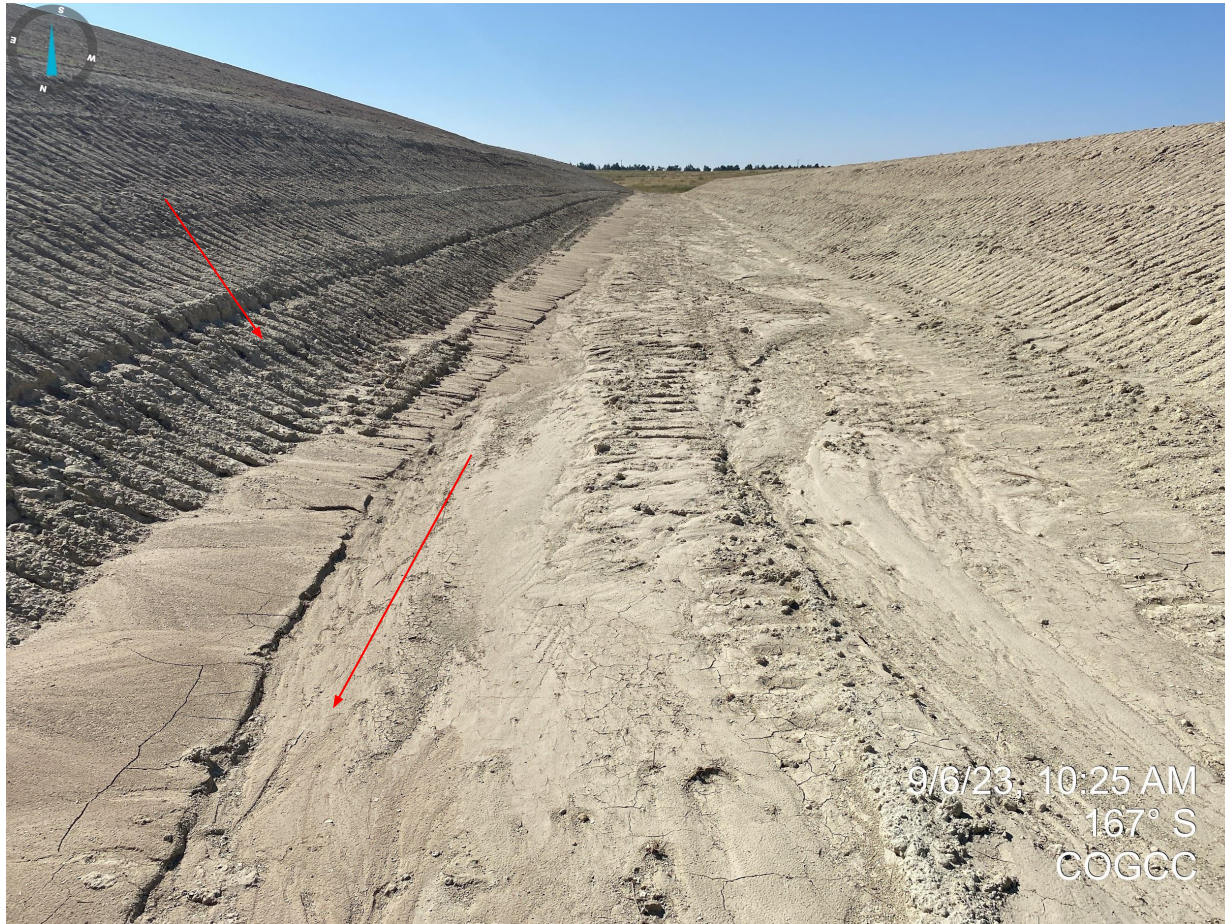


Photo 16. Continued from Photo 15, facing south.

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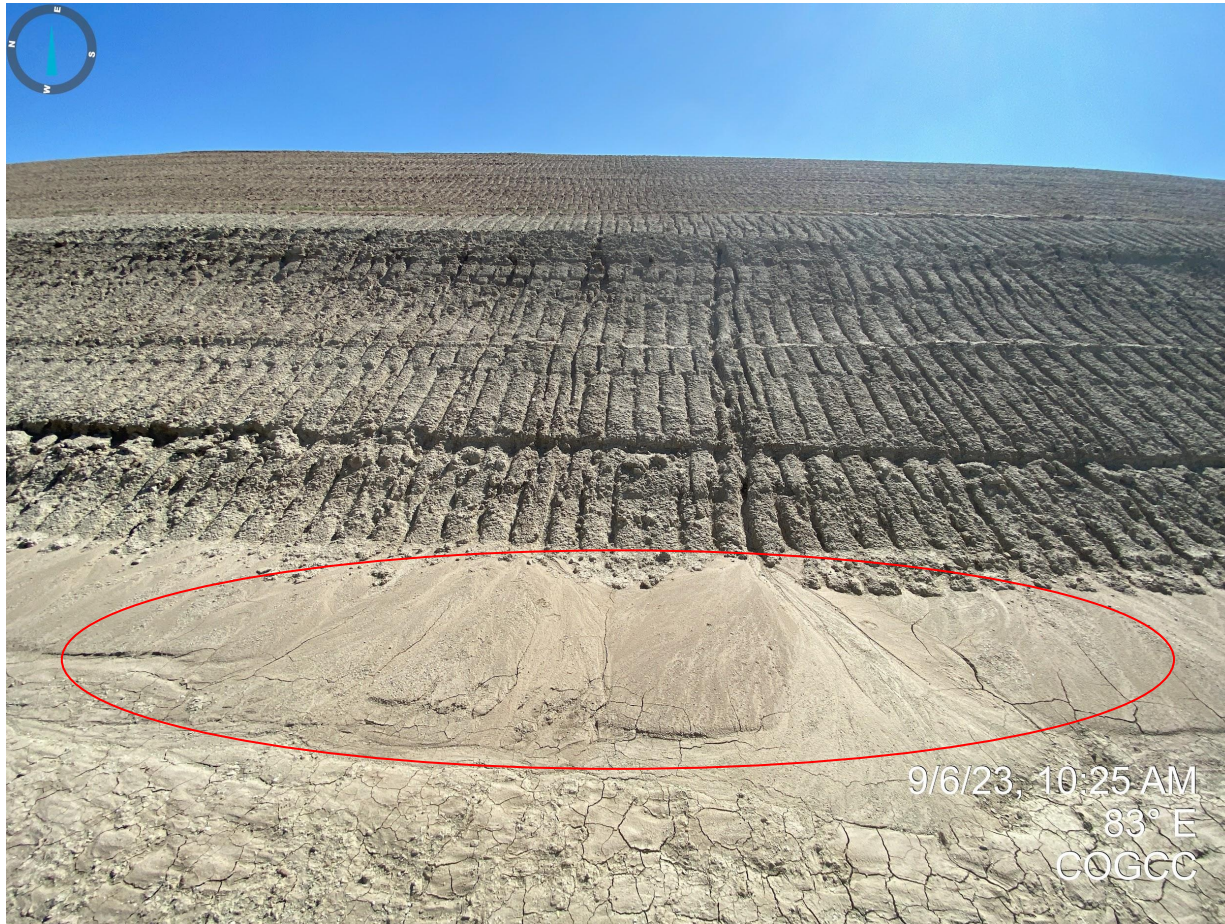


Photo 17. Continued from Photo 15, facing east.



Photo 18. Taken from the southeast corner of the production area. No apparent stormwater control measures were identified to manage run on or runoff from the production areas.

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Photo 19. Continued from Photo 18.



Photo 20. Taken from the southwestern end of the topsoil stockpile area. Erosion degradation (e.g. rilling) observed.



Photo 21. Continued from Photo 20.



Photo 22. Taken from the eastern side of the topsoil stockpile. Photo illustrates erosion degradation (e.g. rilling and sediment transfer) occurring from improper temporary stabilization techniques (equipment tracking that is parallel to slope).



Photo 23. Taken from the northeastern corner of the topsoil stockpile; see comments in Photo 22.

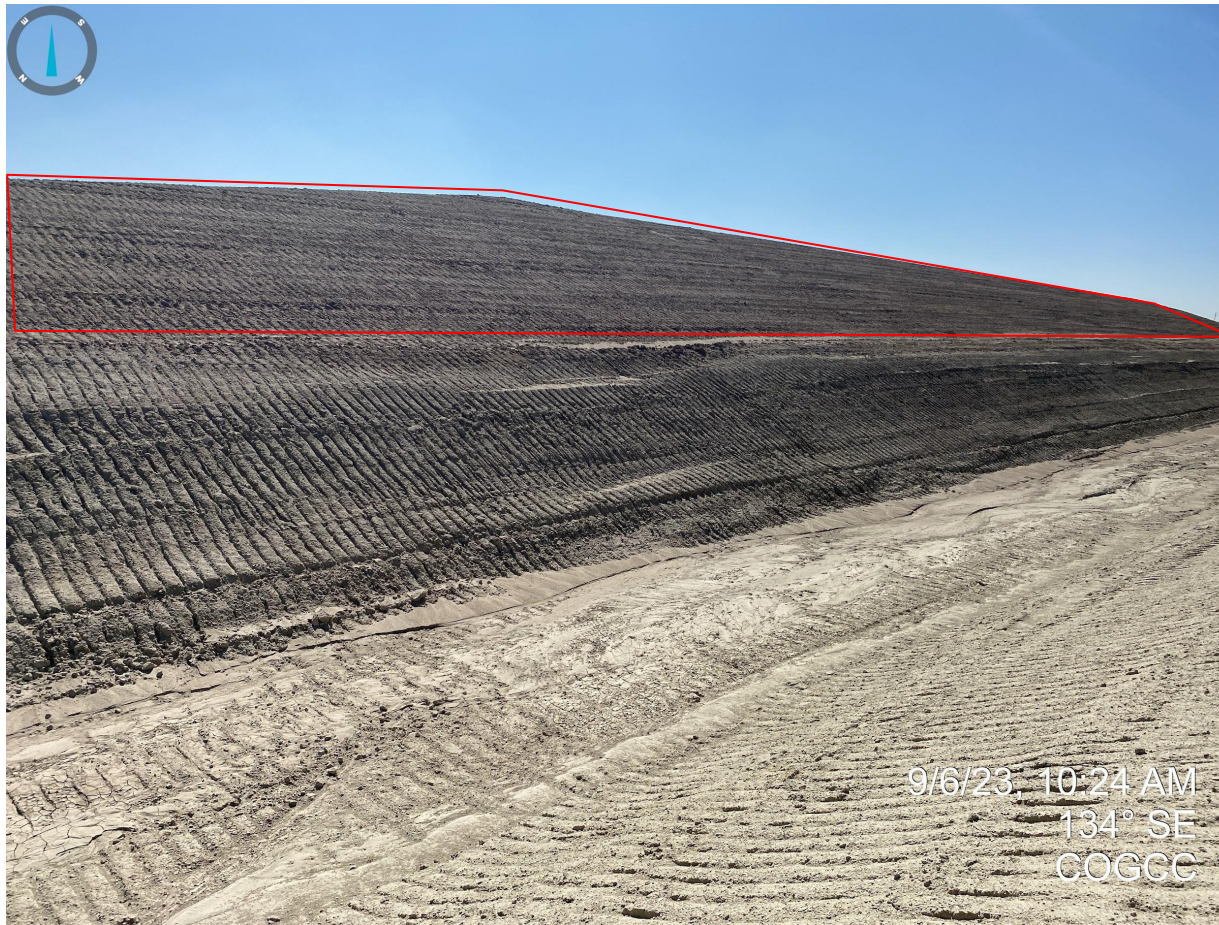


Photo 24. Taken from the northeastern portion of the topsoil stockpile. Photo (red outline) illustrates that the slopes of the stockpile are not properly stabilized as the equipment tracking is parallel to the slope or grade. Additional stabilization techniques are required to prevent degradation to the topsoil stockpile.



Photo 25. Taken from the southeast corner of the location. The perimeter stormwater controls are beginning to fill with sediment and require maintenance.

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Photo 26. Continued from Photo 25.

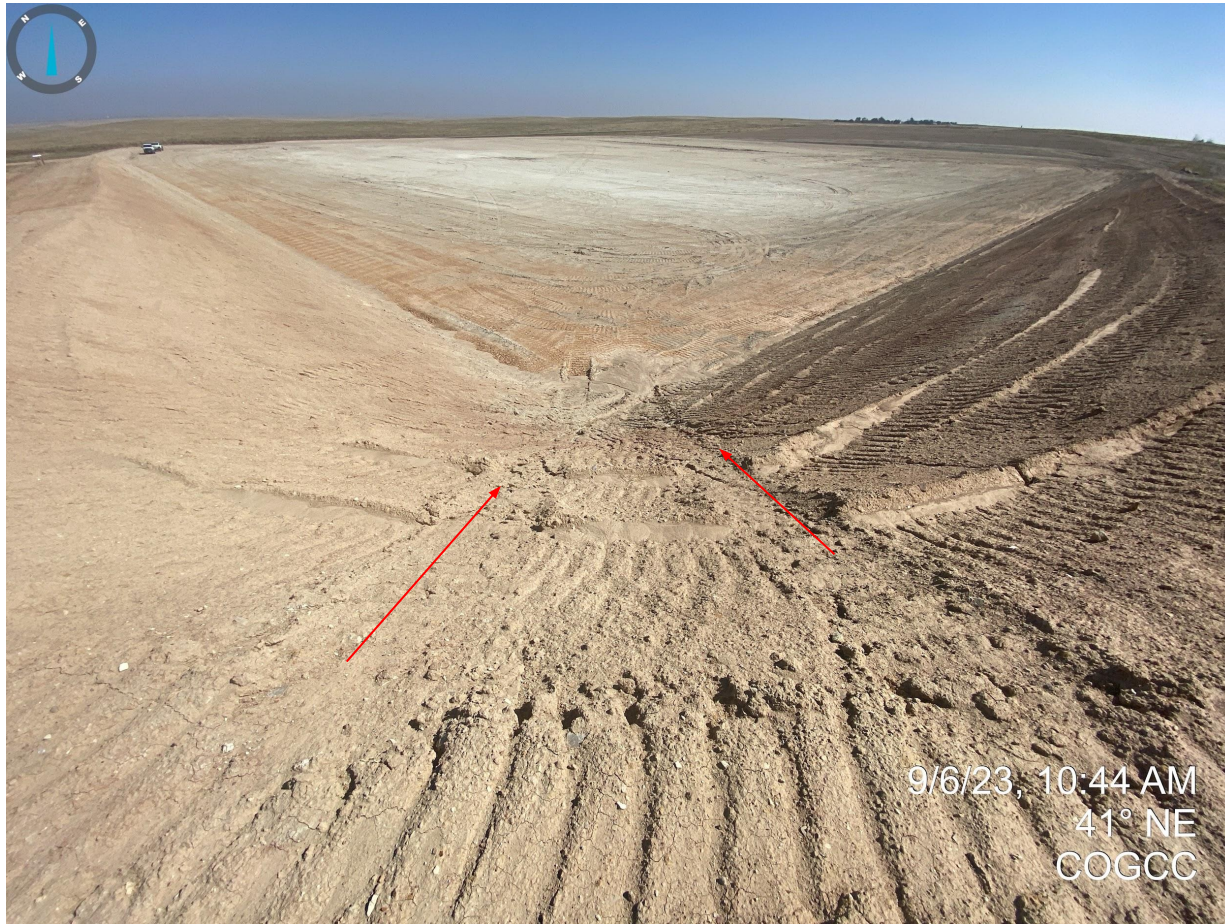


Photo 27. Taken from the southwestern portion of the production area. Photo illustrates erosion degradation (e.g. rilling) occurring from improper temporary stabilization techniques (equipment tracking that is parallel to slope).

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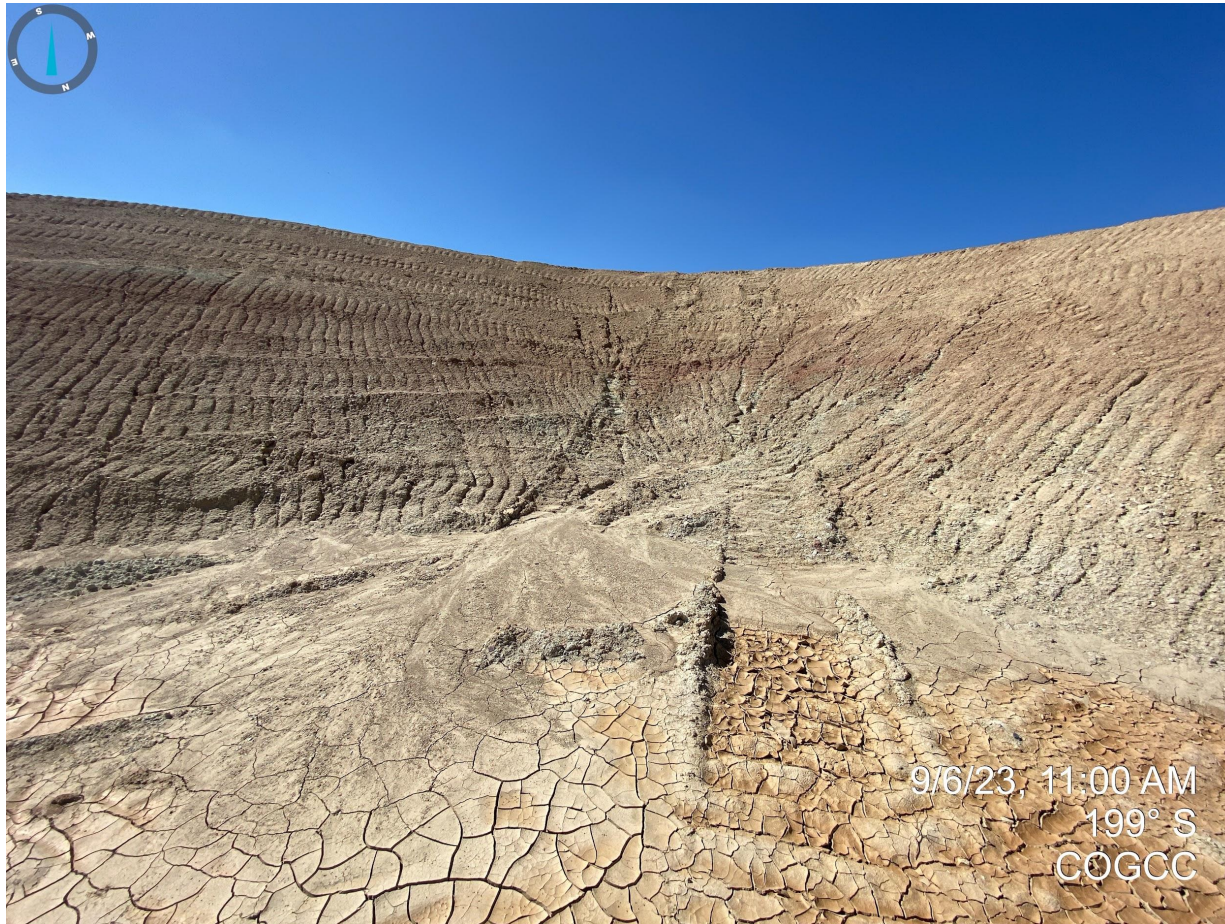


Photo 28. Continued from Photo 27.

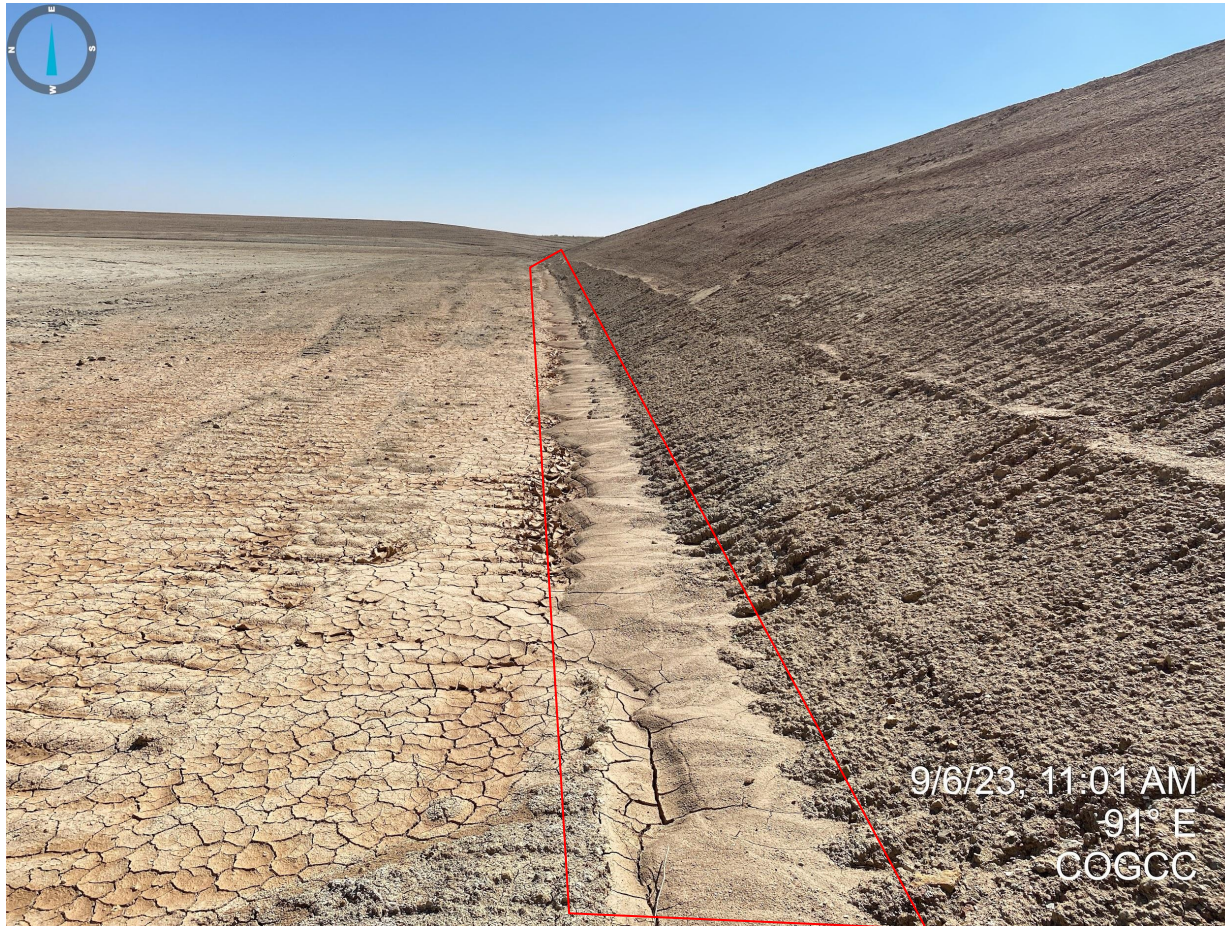


Photo 29. Continued from Photo 27 & 28. Sediment transport onto the production areas pictured.

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Photo 30. Taken from the northwest corner of the location. The perimeter stormwater controls are beginning to fill with sediment and require maintenance.

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Photo 31. Continued from Photo 30.



Photo 32. Continued from Photo 30 & 31. Photo illustrates that perimeter stormwater controls do not appear to be adequate to control stormwater runoff with evidence of off location sediment transport.

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Photo 33. Trash and debris observed on the east side of the location, next to the topsoil stockpile.

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Photo 34. Continued from Photo 33.