

Interim Reclamation and Stormwater Inspection

Date: 12/28/2022

Operator: KP KAUFFMAN COMPANY INC - 46290

Location ID: 450344

Inspection Document #: 696105668

Morgan County, CO

SWSE Section 29 T2N R58W

Dylan Edwardson
Reclamation Specialist, COGCC



COLORADO

**Oil & Gas Conservation
Commission**

Department of Natural Resources

Inspection Photos
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Photo 1. Facing north from access road. Photo illustrates gully erosion occurring on location and recent sediment laden stormwater migrating off location, outlined in red.

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Photo 2. Facing south, see comments in Photo 1.

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Photo 3. Facing southeast from location, near produced water pit. Photo illustrates gully erosion resulting from inadequate stormwater BMPs; e.g. degraded and improperly installed straw wattles. Also pictured, presence of russian thistle and kochia observed, outlined in green. Stormwater BMPs need to be installed and maintained in order to prevent further erosion and degradation to adjacent lands.

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Photo 4. See comments in Photo 3.

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Photo 5. See comments in Photo 3.

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Photo 6. See comments in Photo 3.

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Photo 7. Facing south from access road. Photo illustrates salt kill impacted area with gully erosion evident. No stormwater BMPs to help stabilize the eroded area observed during this inspection.

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Photo 8. Taken approximately 175' from the access road, facing south. Gully was approximately 10" deep to top of snow cover, possibly deeper under the snow; hard hat for scale.

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Photo 9. Facing north, see comments in Photos 7 and 8.

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Photo 10. Facing North, approximately 200' from access road. Photo illustrates gully erosion within the salt kill area, with evidence of undesirable vegetation (e.g. russian thistle and kochia) that was not observed in other areas outside of the salt kill (e.g in the reference area).

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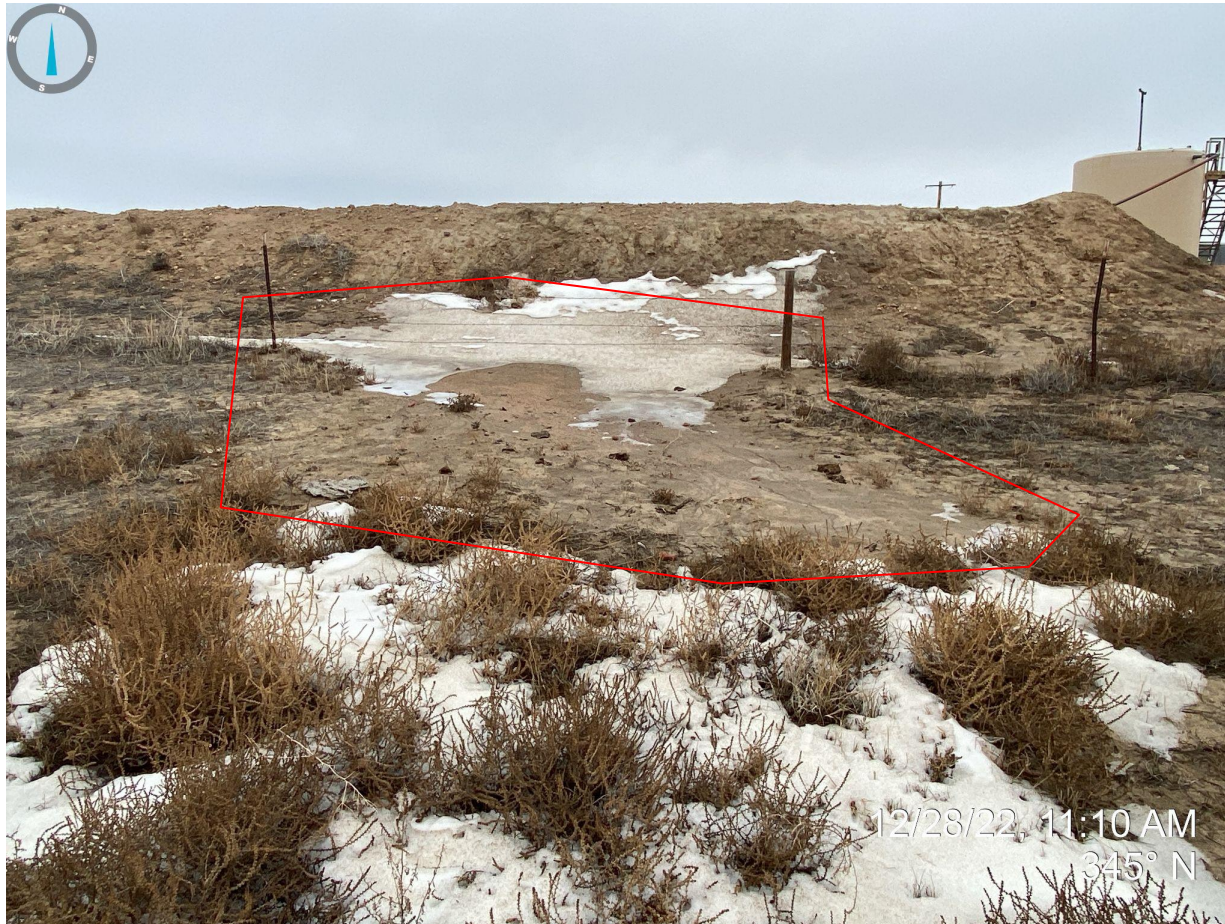


Photo 11. Taken from the access road, facing north. Photo illustrates presence of undesirable vegetation, and off-location sediment transport, outlined in red. Snow cover is likely concealing further evidence of sediment transport.

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Photo 12. Facing southeast, see comments in Photo 11.

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Photo 13. Facing northwest. Photo illustrates close up of unstabilized pit walls that were comprised of unconsolidated material, evidence of rill erosion, and almost vertical in shape.

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Photo 14. Facing south from the southwest corner of the produced water pit. Photo illustrates evidence of recent sediment transport off location, red arrow.

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Photo 15. Facing south from northern pit wall. Photo illustrates evidence of rill erosion on the inside pit wall.



Photo 16. Facing west from the southeast corner of the pit. Photo illustrates unstabilized pit wall with evidence of rill erosion, vertical shape and unconsolidated material that is susceptible to further erosion.

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Photo 17. Facing south near the produced water tank. Picture shows evidence of rill/gully erosion occurring on the location with no apparent stormwater BMPs being implemented.

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Photo 18. Facing west towards produced water tank. Photo illustrates no emergency contact information posted at facility, evidence of undesirable vegetation (e.g. russian thistle and kochia), debris (plastic liner), and a breached earthen berm with inadequate free board.

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Photo 19. Facing northeast at crude tank battery facility. Photo illustrated pitted/rusted tank bottoms.

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Photo 20. Facing southwest at tank battery. Photo illustrates the sign at the facility is illegible and faded, and faded/torn hazmat placards on tanks.

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Photo 21. Facing north from the northern portion of the location, near heater treater. Photo illustrates presence of undesirable vegetation (e.g. russian thistle and kochia) and absence of sign posted at facility.

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Photo 22. Facing southwest. See comments in Photo 21.



Photo 23. Facing east near the former Boxer East Skim Pit. Photo illustrates an area approximately 10' x 30' in size that is void of any vegetation, possibly a result of salt impacted soils. This area will need to be investigated and properly remediated in order to close the former skim pit (#102702).

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Photo 24. Google Earth aerial imagery taken circa 2016 illustrating the extent (outlined in red) of the salt kill impacted area. The Operator shall delineate the horizontal and vertical extent of the salt kill area and provide that information in a Supplemental Form 27.