

# Inspection Photos

5/06/2019

Operator: SWN PRODUCTION COMPANY LLC -  
10396

Location ID: 427955

Inspection Doc. Number: 696200023  
Adams County, CO

Aaron Trujillo  
NE Reclamation Specialist  
COGCC

## Inspection Photos

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**Photo 1:** Photo taken from the north end of the location, facing east. Photos 1-4 provide an overview of the location from east, southeast, southwest, to west. Corrective actions and COAs required operator to conduct reclamation and reduce the location's disturbance area to 0.92 acres. Photos show reclamation has not been conducted; disturbance area has not been reduced.



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**Photo 2:** See comments under photo 1.



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**Photo 3:** See comments under photo 1.



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**Photo 4:** See comments under photo 1.



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**Photo 5:** Photo taken from the north end of the location, facing west. Photo shows area where a patch of Canada thistle was documented. Canada thistle remains evident within this area, and appears to have expanded throughout larger areas of the location. Operator does not appear to be conducting ongoing weed management.



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**Photo 6:** Continued from photo 5. Photo shows Canada thistle rosettes on location. Operator does not appear to be conducting ongoing weed management.



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**Photo 7:** Photo taken from the northeast end of the location, facing north. Previous inspections documented that the cut slopes on the east end of the location remain predominantly bare and exposed soil with erosion degradation evident. Photos 7-10 show erosion degradation has not been repaired, no BMPs have been installed, and no revegetation activities appear to have been conducted.



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**Photo 8:** See comments under photo 7.



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**Photo 9:** See comments under photo 7. 6 foot measuring stick for reference.



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**Photo 10:** See comments under photo 7. 6 foot measuring stick for reference.

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**Photo 11:** Photo taken from the southeast end of the location, facing east. See comments under photo 7.



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**Photo 12:** Photo shows gully erosion on the southeast end of the location. 6 foot measuring stick for reference.



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**Photo 13:** Photo shows gully erosion on the southeast end of the location.



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**Photo 14:** Photo taken from the southeast end of the location, facing north. Corrective actions and COAs required operator to conduct reclamation and reduce the location's disturbance area to 0.92 acres. Photo shows reclamation has not been conducted; disturbance area has not been reduced.



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**Photo 15:** Photo taken from the southeast end of the location, facing west. Corrective actions and COAs required operator to conduct reclamation and reduce the location's disturbance area to 0.92 acres. Photo shows reclamation has not been conducted; disturbance area has not been reduced.





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**Photo 16:** Photo taken from the “spoils” stockpile on the south end of the location, facing northwest. Photo shows areas of bare and exposed soil with large furrows. Previous inspections required operator to repair erosion and stabilize slopes. Photo shows erosion has not been repaired and BMP’s have not been installed. Photo also shows reclamation activities have not been conducted per CAs and COAs



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**Photo 17:** Photo taken from south end of the location, facing southwest. Photo shows wood-mulch wattle stormwater ponding BMP. Previous inspections documented BMP was degrading. Photo shows BMP has not been maintained/repaired.



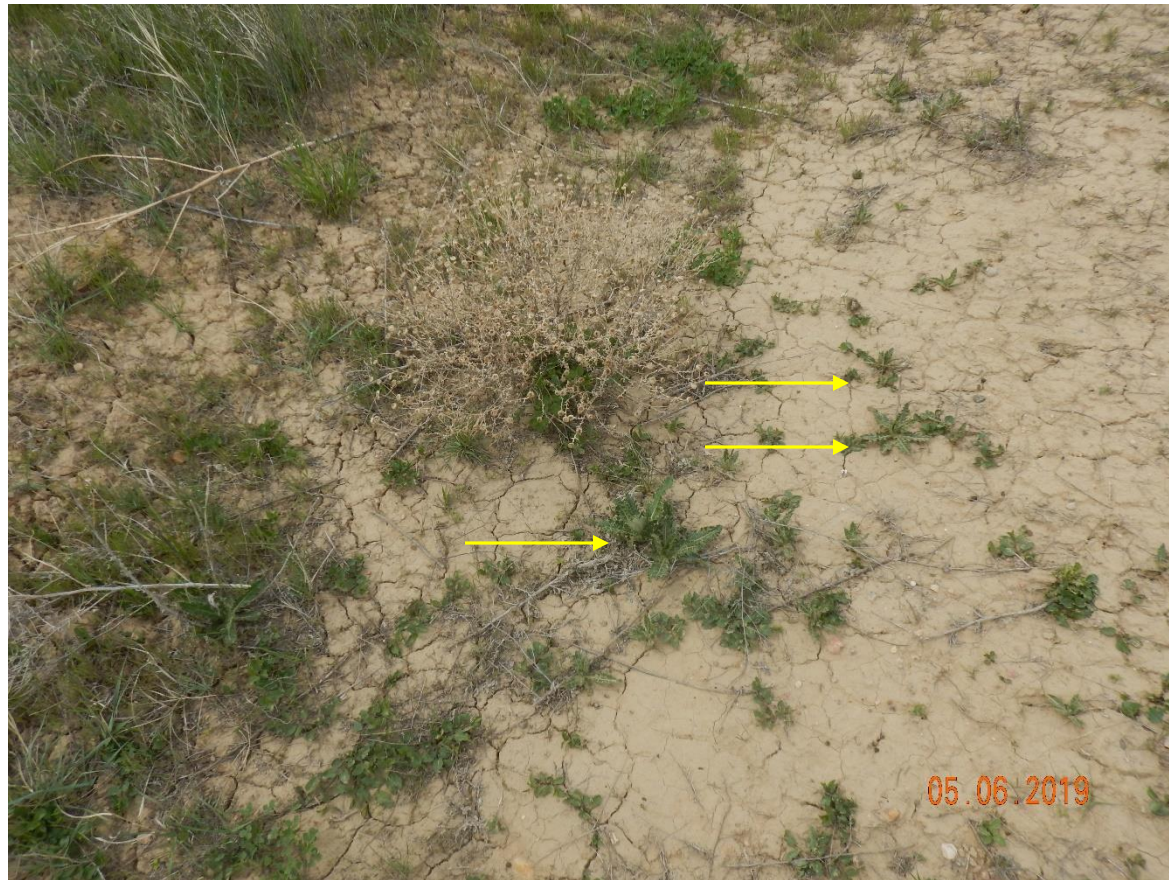
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**Photo 18:** Photo taken from the southwest corner of the location. Photo shows Canada Thistle rosettes are now present on the southwest end of the location.



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**Photo 19:** Photo taken from the southwest corner of the location, facing north. Photo shows stormwater ditch along perimeter of the pad.



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**Photo 20:** Photo taken from the ditch on the west end of the location. Photo shows Canada Thistle rosettes are now present on the west end of the location.



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**Photo 21:** Photo taken from the ditch on the southwest corner of the location, facing southwest. Previous inspections documented that stormwater runoff has incised the ditch along the west end of the pad and created sinkholes within the ditch. Photo shows erosion degradation has not been repaired and stabilized. Stormwater has continued to incise within the ditch and sinkholes appear to be expanding. 6 foot measuring stick for reference.



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**Photo 22:** Photo taken from the ditch on the west end of the location, facing northwest. See comments under photo 20. 6 foot measuring stick for reference.

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**Photo 23:** Photo taken from the ditch on the west end of the location, facing west. See comments under photo 20. 6 foot measuring stick for reference.





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**Photo 24:** Photo taken from the ditch on the west end of the location, facing west. See comments under photo 20. 6 foot measuring stick for reference.

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**Photo 25:** Photo taken from the ditch on the west end of the location, facing south. See comments under photo 20.



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**Photo 26:** Photo taken from the ditch on the west end of the location, facing east. See comments under photo 20. Photo shows additional sinkhole from ditch expanding under pad. 6 foot measuring stick for reference.

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**Photo 27:** Photo taken from the ditch on the northwest end of the location, facing east. Photo shows erosion degradation cutting eastward into the pad has not been repaired or stabilized. 6 foot measuring stick for reference.





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**Photo 28:** Continued from photo 26. Photo shows Canada thistle rosettes within ditch.



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**Photo 29:** Photo taken from the ditch on the northwest end of the location, facing west. Photo shows erosion degradation cutting eastward into the pad has not been repaired or stabilized. 6 foot measuring stick for reference.



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**Photo 30:** Photo taken from the ditch on the northwest end of the location, facing east. Photo shows erosion degradation cutting eastward into the pad has not been repaired or stabilized. 6 foot measuring stick for reference.



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**Photo 31:** Photo taken from the north end of the location, facing northeast. Photo shows gulley erosion due to stormwater runoff from the ditch has not been repaired or stabilized.



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**Photo 32:** Photo taken from the north end of the location, facing north. Photo shows gully erosion due to stormwater runoff from the ditch has not been repaired or stabilized.



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**Photo 33:** Photo taken from the north end of the location, facing southwest. Photo shows gully erosion due to stormwater runoff from the ditch has not been repaired or stabilized.



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**Photo 34:** Photo taken from the north end of the location, facing south. Photo shows gulley erosion due to stormwater runoff from the ditch has not been repaired or stabilized.



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**Photo 35:** Photo taken from the stormwater ditch along the perimeter of the west end of the location. Previous inspections documented that the ditch BMP has filled with sediment and is no longer in proper functioning condition. Additionally, BMP should have been reclaimed during interim reclamation. Photo shows BMP remains filled with sediment. Photo also shows interim reclamation to reduce the area of disturbance has not been conducted.



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