

Interim Reclamation and Stormwater Inspection

June 27, 2018

Operator: EXTRACTION OIL & GAS INC #10459

Location ID: 436824

Inspection Document #: 682403732

Weld County, CO

SENE Section 8 T5N R66W

Chris Binschus
Reclamation Specialist, COGCC



COLORADO

Oil & Gas Conservation
Commission

Department of Natural Resources

Inspection Photos
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Google Earth aerial imagery taken on 10/14/2017. Facility Layout Drawing (Doc. #24778002) has been overlaid with field collected data. Field collected data on 6/27/2018, using a Trimble handheld GPS (red line), would indicate total disturbance after construction operations is ~19.2 acres. Note: This location is not in compliance with Rule 1002 and 1003.

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2 points of sediment discharge

Google Earth aerial imagery taken on 10/14/2017. Sediment discharge was observed at 2 discharge points along the northern location. Stormwater BMP maintenance is required immediately, as BMPs were not in compliance at the time of the inspection. Rill and gully erosion were observed throughout the northern fill slopes, eastern earthen berm, and topsoil stockpile.

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Google Earth aerial imagery taken on 10/14/2017. Photo reference points to help illustrate approximate locations of the subject photo during the June 27, 2018 inspection. Photo 1 not shown in this aerial image.

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Photo 1. Photo taken from the entrance of location off 71st Ave., facing East. Vehicle tracking device installed and appears to be in proper functioning condition.



Photo 2. Photo taken along a portion of the access road. Photo illustrates a stabilized outlet area installed in conjunction with a culvert. No sediment discharge was observed beyond the stabilized outlet area. Note: Straw wattles along the access road are in need of maintenance.

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Photo 3. Photo taken from the northwestern discharge point. S-fence was installed to outlet protection in conjunction with the culvert. Sediment discharge was observed beyond the S-fence.



Photo 4. Photo illustrating sediment discharge beyond the S-fence.

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Photo 5. Photo taken from the east side of the entrance to the facility location, facing West. Rill erosion and sediment accumulation observed. Stormwater BMP maintenance in need of repair.



Photo 6. Photo taken from the west side of the entrance to the facility location, facing Southeast. See comments under Photo 5.

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Photo 7. Photo taken from the west side near the entrance to the facility location, facing South. See comments under Photo 5.



Photo 8. Photo taken from the northwestern perimeter of location, facing South. Rill erosion was observed along the northern perimeter of the location. Ditch BMP in need of maintenance from rill erosion off the northern perimeter. Note: Weed debris (Kochia weeds) was observed along portions of the perimeter and shall be controlled and managed per Rule 603.f.

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Photo 9. Photo taken from the northwestern perimeter of location, facing South. Musk thistle, a List B Colorado Noxious weed, was observed along portions of the location. Appears the Operator has recently performed noxious weed management; however, some individual species still need to be controlled and managed.



Photo 10. Photo taken from the northwestern perimeter of location, facing West. Photo illustrates Musk thistle that appears to be recently sprayed.

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Photo 11. Photo taken of the southwestern perimeter of location, facing North. Photo illustrates the MLVT area that has not been reclaimed per Rule 1003.



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Photo 12. Photo taken from the southern perimeter of location, facing East. Surface damages due to sound wall removal shall be repaired and reclaimed. Note: Surface disturbance due to sound wall removal was observed outside of the permitted area along the west, east and northeastern areas.



Photo 13. Photo taken from the southeastern perimeter of location, facing Northwest. Photo illustrates weed debris (Kochia weeds) and trash that shall be controlled and managed per Rule 603.f.

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Photo 14. Photo taken from the northeastern perimeter of location, facing Southwest. Appears some sediment discharge was observed beyond the stabilized outlet area.



Photo 15. Photo taken from the northeastern perimeter of location, facing East. Photo illustrates rutting from equipment traffic due to sound wall removal.

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Photo 16. Photo taken from the northeastern perimeter of location, facing South. Photo illustrates rill erosion on the eastern earthen berm that has not been maintained to reasonably minimize erosion and site degradation per Rule 1002.e.



Photo 17. Photo taken from the northeastern well pad, facing East. Photo illustrates rill and gully erosion on the eastern earthen berm. See comments under Photo 16.

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Photo 18. Photo taken from the eastern well pad, facing East. See comments under Photo 17.



Photo 19. Photo taken from the southeast well pad, facing South. See comments under Photo 17.

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Photo 20. Photo taken from the southern well pad, facing South. Operator has failed to protect the topsoil stockpile from erosion per Rule 1002.c.



Photo 21. Photo taken from the topsoil stockpile, facing East. Operator has failed to protect the topsoil stockpile from compaction and weed establishment. Appears the Operator only seeded the north-facing slope while the south-facing slope has cheatgrass establishment.