

# Inspection Photos

05/02/2017

Operator: HRM Resources LLC #10548

Location ID: 313925

Inspection Doc. Number: 682501959

Morgan County, CO

NWSE Section 5 T6N R60W

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COGCC



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

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**Photo 1:** Photo taken north of location, from point where access road splits. Fork leading to the left of photo is access road leading to location.



**Photo 2:** Photo taken from access road north of the location, facing south. Photo shows reclamation work appears to have been conducted.



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**Photo 3:** Photo from previous inspection dates 9/27/2016. Photo shows ruts and gravel of access road.



**Photo 4:** Photo taken from access road, west of the location. Photo shows that though it appears access road had been reseeded, gravel has not been removed per corrective actions from inspection doc. #682501380. 6 foot measuring stick for reference.





**Photo 5:** Photo taken from access road, west of the location. Reclamation specialist tested road to see if compaction alleviation had been performed. Photo shows shovel was only able to penetrate soil ~2-3 inches before hitting a compaction zone at ~3-4 inches.



**Photo 6:** Photo taken from access road, west of the location. Photo shows test pit dug by reclamation specialist to determine if compaction alleviation had been performed. Photo shows pit is ~20 inches deep. A compaction zone had been identified beginning ~3-4 inches deep sub-surface.



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**Photo 7:** Photo shows test pit dug by reclamation specialist to determine if compaction alleviation had been performed. Photo shows a compaction zone beginning ~3-4 inches deep sub-surface (yellow arrow). Green line shows layer of subsoil where compaction has hindered water infiltration and root penetration by vegetation that had been previously established; very little organic matter (root development, etc...) was evident below area of compaction.



**Photo 8:** Photo shows test pit dug by reclamation specialist to determine if compaction alleviation had been performed. Photo shows a compaction zone beginning ~3-4 inches deep sub-surface (yellow arrow). The top 4 inches of soil was easily lifted off to reveal a "bench" at where compaction zone begins. Re-contour work may have been attempted followed by a seeding, however, this photo shows compaction alleviation had not been performed.



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**Photo 9:** Photo taken from the north end of the location, facing southeast. Photo shows pad location. A test pit was dug by reclamation specialist on the pad to determine if compaction alleviation had been performed. Reclamation specialist was unable to find any major layers of compaction.



**Photo 10:** Photo taken from the north end of the location, facing southwest. Photo shows pad location. A test pit was dug by reclamation specialist on the pad to determine if compaction alleviation had been performed. Reclamation specialist was unable to find any major layers of compaction.



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**Photo 11:** Photo taken from the northwest corner of the pad, facing south. Photo shows areas of the pad that previous inspections had identified erosion concerns. Photo shows erosion has been repaired, however, it does not appear that BMPs have been implemented per the CA. Area appears to be stabilized at time of inspection; continue to perform stormwater management and maintenance until final reclamation passes.



**Photo 12:** Photo taken from the northwest corner of the pad, facing southeast. Photo shows areas of the pad that previous inspections had identified erosion concerns. Photo shows erosion has been repaired, however, it does not appear that BMPs have been implemented per the CA. Area appears to be stabilized at time of inspection; continue to perform stormwater management and maintenance until final reclamation passes.





**Photo 13:** Photo taken from the north end of the location. Photo shows germination evident likely from reclamation re-seeding activities. Quadrat is ~1.5 feet x 1.5 feet.



**Photo 14:** Photo taken from the center of the location. Photo shows germination evident likely from reclamation re-seeding activities. Quadrat is ~1.5 feet x 1.5 feet.



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**Photo 15:** Photo taken from the southwest end of the location. Photo shows area of the location where vegetative germination is not evident. Continue to monitor this portion of the location and reseed if reclamation does not progress. . Quadrat is ~1.5 feet x 1.5 feet.