

Inspection Photos

08/16/2019

Operator: BISON OIL & GAS II LLC # 10661

Location ID: 452871

Weld County, CO

Aaron Trujillo

NE Reclamation Specialist

COGCC

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Photo 1: Photo taken from the east end of the location, facing east. Photo shows erosion degradation on slopes. Operator has failed to conduct sufficient and ongoing stormwater management and monitoring; Operator has failed install or maintain sufficient stormwater and erosion control BMPs based on the sites conditions and in accordance with good engineering practices.

Photo 2: See comments under photo 1.

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Photo 3: Photo taken from the southeast end of the location. See comments under photo 1.



Photo 4: Photo taken from the southeast end of the location. See comments under photo 1. Photo also shows ditch remains filled with sediment and is not in proper functioning condition.

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Photo 5: Photo taken from the southeast end of the location, facing west. See comments under photo 1. Photo also shows ditch remains filled with sediment and is not in proper functioning condition.



Photo 6: Photo taken from the south end of the location. See comments under photo 1.

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Photo 7: Photo taken from the south end of the location. See comments under photo 1.



Photo 8: Photo taken from the south end of the location. See comments under photo 1. Photo also shows ditch remains filled with sediment and is not in proper functioning condition.

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Photo 9: Photo taken from the southwest end of the location, facing southwest. Photo shows trash debris on location.



Photo 10: Photo taken from of ditch on the wet end of the location.

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Photo 11: Photo taken from the northwest corner of the location. Photos 11-19 show the Stormwater sediment traps constructed on location have not been constructed in accordance with good engineering practices. BMPs were not constructed to an appropriate size for the site's conditions, or with sufficient inlet/outlet and slope protection. As a result, stormwater has degraded the trap and BMP is no longer in proper functioning condition. Sediment transport off location evident.



Photo 12: See comments under photo 11. Photo shows insufficient inlet protection (BMP not installed in accordance with good engineering practices) has contributed to the failure of the sediment trap.

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Photo 13: See comments under photo 11. Photo shows insufficient inlet protection (BMP not installed in accordance with good engineering practices) has contributed to the failure of the sediment trap.



Photo 14: See comments under photo 11. Photo shows sediment has filled the trap. BMP was not installed in accordance with good engineering practices and is no longer in proper functioning condition.

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Photo 15: See comments under photo 11. Photo shows sediment has filled the trap. BMP was not installed in accordance with good engineering practices and is no longer in proper functioning condition.



Photo 16: See comments under photo 11. Photo shows insufficient outlet protection (BMP not installed in accordance with good engineering practices) has contributed to the failure of the sediment trap and allowed for sediment discharge from location.

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Photo 17: See comments under photo 16.



Photo 18: Continued from photo 16. Photo shows insufficient outlet protection (BMP not installed in accordance with good engineering practices) has contributed to the failure of the sediment trap and allowed for sediment discharge from location.

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Photo 19: See comments under photo 18.



Photo 20: Photo taken from the sediment trap on the northeast end of the location. Photos 20- 22 show the Stormwater sediment traps constructed on location have not been constructed in accordance with good engineering practices. BMPs were not constructed to an appropriate size for the site's conditions, or with sufficient inlet/outlet and slope protection. As a result, stormwater has degraded the trap and BMP is no longer in proper functioning condition. Sediment transport off location evident.

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Photo 21: See comments under photo 20.



Photo 22: Continued from photo 21. Photo shows insufficient outlet protection (BMP not installed in accordance with good engineering practices) has contributed to the failure of the sediment trap and allowed for sediment discharge from location.