

# Inspection Photos

01/29/2018

Operator: CASCADE PETROLEUM LLC - 10414

Location ID: 439341

Inspection Doc. Number: 682503104

Lincoln County, CO

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**Photo 1:** Photo taken from the south end of the location, facing west. Inspection #682502556 required operator to install or repair stormwater and sediment control BMP's on location. Photo shows hay-bale ponding BMP that has not been maintained or repaired, and is not in proper functioning condition. In accordance to good engineering practices, bale and straw wattle BMPs need to be trenched with ends tightly abutted, and backfilled on the up-gradient side and compact. Bales seen here have not been trenched.



**Photo 2:** Photo taken from the west end of the hay-bale ponding BMP seen in photo 1. See comments under photo 1.

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**Photo 3:** Photo taken from the southwest end of the location, facing north. Previous inspections required operator to repair erosion and Install or repair required BMPs Photo shows areas where erosion degradation has not been repaired. Additional stormwater degradation since previous inspection is evident. 6 foot measuring stick for reference.



**Photo 4:** Photo taken from the southwest end of the location, facing north. Photo shows erosion remains evident, and stormwater and sediment control BMP has not been maintained per corrective actions. Stormwater has continued to cut under the wattle with additional degradation since previous inspection evident. 6 foot measuring stick for reference.

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**Photo 5:** Photo of gully formation and erosion degradation. 6 foot measuring stick for reference.



**Photo 6:** Photo taken from the southwest end of the location. Photo shows straw wattle BMP in not in proper functioning conduction and has not been maintained per corrective actions. Erosion degradation has also not been repaired and stabilized, and has continued to erode since previous inspection. 6 foot measuring stick for reference.

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**Photo 7:** Photo taken from the southwest end of the location, facing north. Photo shows that erosion degradation has not been repaired and stabilized per corrective actions, and has continued to erode since the previous inspection. 6 foot measuring stick for reference.



**Photo 8:** : Photo taken from the southwest end of the location, facing southwest. Photo shows water movement patterns and erosion evident on location.

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**Photo 9:** Photo taken from the southwest end of the location, facing southwest. Photo shows that erosion degradation has not been repaired and stabilized per corrective actions, and has continued to erode since the previous inspection. 6 foot measuring stick for reference.



**Photo 10:** Photo taken from the southwest end of the location, facing north.

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**Photo 11:** Photo taken from the west end of the location. Photo shows areas of the access road where road-base and gravel remains. Previous inspections required operator to perform reclamation on the access road. 6 foot measuring stick for reference.



**Photo 12:** Photo taken from the west end of the location, facing north. Photo shows areas of the access road where road-base and gravel remains. 6 foot measuring stick for reference.

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**Photo 13:** Photo taken from the west end of the location, facing north. Photo shows areas of the access road where road-base and gravel remains. 6 foot measuring stick for reference.



**Photo 14:** Photo taken from the access road north of the location, facing north. Previous inspections required operator to perform reclamation on the access road. Photo shows access road has not been reclaimed. 6 foot measuring stick for reference.

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**Photo 15:** Photo taken from the access road north of the location, facing north. Previous inspections required operator to perform reclamation on the access road. Photo shows access road has not been reclaimed.



**Photo 16:** Photo taken from the access road north of the location, facing south. Previous inspections required operator to perform reclamation on the access road. Photo shows access road has not been reclaimed. 6 foot measuring stick for reference.



**Photo 17:** Aerial imagery (2017). Photo shows the location (yellow), areas of access road requiring reclamation (blue) and areas where erosion degradation is occurring (green).