

# Inspection Photos

05/11/2017

Operator: Bill Barrett Corp #10071

Location ID: 449383

Inspection Doc. Number: 682501981

Weld County, CO

NWSW Section 21 T5N R61W

Aaron Trujillo

Reclamation Specialist

COGCC



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**Photo 1:** Photo taken from the southwest end of the location, facing south. Photo shows ditch along perimeter of the location.



**Photo 2:** Photo taken from the southwest end of the location, facing southwest. Photo shows ditch along perimeter of the location.

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**Photo 3:** Photo taken from the southwest end of the location, facing southwest. Photo shows ditch along perimeter of the location.



**Photo 4:** Photo taken from access road on the southwest end of the location. Photo shows culver with rock armoring.

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**Photo 5:** Photo taken from access road on the southwest end of the location. Photo shows culver with rock armoring.



**Photo 6:** Photo taken from the southwest end of the location, facing south. Photo shows perimeter ditch remains constructed with a steep grade and/or have not been consolidated.

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**Photo 7:** Photo taken from the southwest end of the location, facing east. Photo shows perimeter ditch remains constructed with a steep grade and/or have not been consolidated.



**Photo 8:** Photo taken from the south end of the location. Photo shows portions of the ditch that area beginning to “slough off”, or erode due to poor engineering along ditch.

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**Photo 9:** Photo taken from the southeast end of the location. Inspection #401245397 states “areas of the ditch has become filled w/ sediment and required maintenance”. FIRR #401258682 submitted by operator states “perimeter ditch maintenance conducted and sediment removed”. Photo shows ditch remains filled w/ sediment, maintenance has not been conducted as indicated by operator.



**Photo 10:** Photo taken from the southeast end of the location, facing north. Photo shows perimeter ditch remains constructed with a steep grade and/or have not been consolidated.

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**Photo 11:** Photo taken from the southeast end of the location, facing north. Photo shows perimeter ditch remains constructed with a steep grade and/or have not been consolidated.



**Photo 12:** Photo taken from the northeast end of the location, facing south. Photo shows perimeter ditch remains constructed with a steep grade and/or have not been consolidated.

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**Photo 13:** Photo taken from the sediment trap on the northeast end of the location. Per on-site conversations between BBC and COGCC staff 4/6/2017, sediment trap on location was determined to not have been constructed with good engineering practices. FIRR #401258682 states "Sediment traps were enlarged, smaller diameter aggregate placed at inlet and outlet. Outlet equipped with some type of filter media (straw wattle or hay bale)". Wattles have been installed; wattles are barriers that pond run off and do not filter stormwater. Wattles will not allow for adequate stormwater discharge from a sediment trap and should not be incorporated at the outlet of the sediment traps. Inlet armoring does not appear to be sufficient.



**Photo 14:** Photo taken from the sediment trap on the northeast end of the location. Per on-site conversations between BBC and COGCC staff 4/6/2017, sediment trap on location was determined to not have been constructed with good engineering practices. FIRR #401258682 states "Sediment traps were enlarged, smaller diameter aggregate placed at inlet and outlet. Outlet equipped with some type of filter media (straw wattle or hay bale)". Wattles have been installed; wattles are barriers that pond run off and do not filter stormwater. Wattles will not allow for adequate stormwater discharge from a sediment trap and should not be incorporated at the outlet of the sediment traps. Inlet armoring does not appear to be sufficient.

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**Photo 15:** Photo taken from the northeast end of the location, facing west. Photo shows perimeter ditch remains constructed with a steep grade and/or have not been consolidated.



**Photo 16:** Photo taken from the northwest end of the location. Photo shows stormwater erosion has degraded the berm /slope/ditch of the location. Berms do not appear to be sufficiently consolidated on this area of the location. 6 foot measuring stick for reference.

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**Photo 17:** Photo taken from the northwest end of the location. Photo shows stormwater erosion has degraded the berm/slope/ditch of the location. Berms do not appear to be sufficiently consolidated on this area of the location. 6 foot measuring stick for reference.



**Photo 18:** Photo taken from the northwest end of the location. Photo shows stormwater erosion has degraded the berm and slope of the location. Berms do not appear to be sufficiently consolidated on this area of the location. Vehicle traffic appears to have rendered the berm inadequate and allowed for stormwater degradation. 6 foot measuring stick for reference.

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**Photo 19:** Photo taken from the northwest end of the location. Photo shows stormwater erosion has degraded the berm and slope of the location. Berms do not appear to be sufficiently consolidated on this area of the location. Vehicle traffic appears to have rendered the berm inadequate and allowed for stormwater degradation. 6 foot measuring stick for reference.



**Photo 20:** Photo taken from the northwest end of the location, facing southwest. Photo shows berms on the location have do not appear to be consolidated.

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**Photo 22:** Photo taken from the sediment trap on the northwest end of the location. Per on-site conversations between BBC and COGCC staff 4/6/2017, sediment trap on location was determined to not have been constructed with good engineering practices. FIRR #401258682 states "Sediment traps were enlarged, smaller diameter aggregate placed at inlet and outlet. Outlet equipped with some type of filter media (straw wattle or hay bale)". Wattles have been installed; wattles are barriers that pond run off and do not filter stormwater. Wattles will not allow for adequate stormwater discharge from a sediment trap and should not be incorporated at the outlet of the sediment traps. Inlet armoring does not appear to be sufficient. 6 foot measuring stick for reference.



**Photo 23:** Photo taken from the sediment trap on the northwest end of the location. Per on-site conversations between BBC and COGCC staff 4/6/2017, sediment trap on location was determined to not have been constructed with good engineering practices. FIRR #401258682 states "Sediment traps were enlarged, smaller diameter aggregate placed at inlet and outlet. Outlet equipped with some type of filter media (straw wattle or hay bale)". Wattles have been installed; wattles are barriers that pond run off and do not filter stormwater. Wattles will not allow for adequate stormwater discharge from a sediment trap and should not be incorporated at the outlet of the sediment traps. Inlet armoring does not appear to be sufficient. 6 foot measuring stick for reference.

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**Photo 24:** Photo taken from the sediment trap on the northwest end of the location. Per on-site conversations between BBC and COGCC staff 4/6/2017, sediment trap on location was determined to not have been constructed with good engineering practices. FIRR #401258682 states "Sediment traps were enlarged, smaller diameter aggregate placed at inlet and outlet. Outlet equipped with some type of filter media (straw wattle or hay bale)". Wattles have been installed; wattles are barriers that pond run off and do not filter stormwater. Wattles will not allow for adequate stormwater discharge from a sediment trap and should not be incorporated at the outlet of the sediment traps. Inlet armoring does not appear to be sufficient. 6 foot measuring stick for reference.



**Photo 25:** Photo taken from the northwest end of the location, facing south. Photo shows berms on the location have do not appear to be consolidated.