

Inspection Photos

03/24/2017

Operator: Bill Barrett Corp #10071

Location ID: 449306

Inspection Doc. Number: 682501786

Weld County, CO

NWSW Section 32 T5N R63W

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COGCC



COLORADO
Oil & Gas Conservation
Commission
Department of Natural Resources

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Photo 1: Photo taken from the north end of the location facing east. Photo shows top soil stock pile on the northeast end of the location.



Photo 2: Photo taken from the north end of the location facing southeast. Photo shows pad has largely been stabilized with initial pad construction activities appearing to have been completed.

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Photo 3: Photo taken from the north end of the location facing southwest. Photo shows pad has largely been stabilized with initial pad construction activities appearing to have been completed.



Photo 4: Photo taken from the north end of the location facing west. Photo shows perimeter stormwater control ditch and rock sediment trap BMPs

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Photo 5: Photo taken from the northwest end of the location. Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance. It appears only large-sized rock aggregate have been utilized to construct the BMP; using only large aggregates can contribute to erosion degradation as stormwater can be accelerated around or under the material, expanding stormwater impacts and rendering the BMP inadequate. This is becoming evident in areas shown by the yellow arrows

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Photo 6: Photo taken from the stormwater control ditch on the north end of the location. Photo shows wattle BMP has filled with sediment and will require maintenance.



Photo 7: Photo taken from the north end of the location, facing west. Photo shows berm on the north end has not been consolidated and not in proper functioning condition. Without proper consolidation berms along the location perimeter will increase the sediment laden stormwater runoff from the location.

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Photo 8: Photo taken from the north end of the location. Photo shows stormwater ditch has filled with sediment and will require maintenance. Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.

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Photo 9: Photo taken from the northwest corner of the location, facing east. Photo shows stormwater ditch has filled with sediment and will require maintenance. Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.



Photo 10: Photo taken from the northwest corner of the location, facing south. Photo shows stormwater ditch; Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.

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Photo 11: Photo taken from the west end of the location. Photo shows wattle used as a stormwater and sediment control BMP. Wattle BMP has not been properly installed by trenching and backfilling the wattle.



Photo 12: Photo taken from the west end of the location. Photo shows wattle used as a stormwater and sediment control BMP. Wattle BMP has not been properly installed by trenching and backfilling the wattle. Photo also shows stormwater ditch has not been consolidated and has been constructed with a steep grade. Without proper consolidation and grade this ditch will increase the sediment laden stormwater runoff from the location. CDOT recommends ditches be constructed with a grade of 2:1.

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Photo 13: Photo taken from the southwest corner of the location, facing north. Photo shows stormwater ditch; Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.



Photo 14: Photo taken from the southwest corner of the location, facing north. Photo shows stormwater ditch; Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.

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Photo 15: Photo taken from the north end of the location. Photo shows stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.



Photo 16: Photo taken from the north end of the location. Photo shows stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location. Photo also shows wattle used as a stormwater and sediment control BMP. Wattle BMP has not been properly installed by trenching and backfilling the wattle.

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Photo 17: Photo taken from the southeast corner of the location, facing west. Photo shows stormwater ditch; Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.



Photo 18: Photo taken from the southeast corner of the location, facing north. Photo shows stormwater ditch; Stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.

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Photo 19: Photo taken from the south east end of the location, facing north. Photo shows slopes on the eastern perimeter of the location have been insufficiently consolidated and improperly tracked.



Photo 20: Photo taken from the east end of the location, facing northeast. Photo shows slopes on the eastern perimeter of the location have been improperly tracked. Yellow arrow shows direction of slope. Tracking should be perpendicular to the slope in order to reduce runoff velocity and erosion.

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Photo 21: Photo taken from the east end of the location. Photo shows slopes on the eastern perimeter of the location have been improperly tracked. Yellow arrow shows direction of slope. Tracking should be perpendicular to the slope in order to reduce runoff velocity and erosion.

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Photo 22: Photo taken from the stormwater ditch on the east end of the location. Photo shows stormwater ditch has not been consolidated and has been constructed with a steep grade. Without proper consolidation and grade, ditch will increase the sediment laden stormwater runoff from the location. CDOT recommends ditches be constructed with a grade of 2:1.

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Photo 23: Photo taken from the east end of the location. Photo shows wattle used as a stormwater and sediment control BMP. Wattle BMP has not been properly installed by trenching and backfilling the wattle, and is not in proper functioning condition.



Photo 24: Photo taken from the east end of the location. Photo shows wattle used as a stormwater and sediment control BMP. Wattle BMP has not been properly installed by trenching and backfilling the wattle, and is not in proper functioning condition. Photo also shows stormwater ditch has been constructed with a steep grade. CDOT recommends ditches be constructed with a grade of 2:1.

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Photo 25: Photo taken from the east end of the location, facing north. Photo shows berm has not been consolidated and not in proper functioning condition. Without proper consolidation berms along the location perimeter will increase sediment laden stormwater runoff from the location.



Photo 26: Photo taken from the southeast end of the topsoil pile. Photo shows berm has not been consolidated. Without proper consolidation berms along the location perimeter will increase sediment laden stormwater runoff from the location.

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Photo 27: Photo taken from the northeast corner of the location, facing south.



Photo 28: Photo taken from the northeast corner of the location, facing west.

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Photo 29: Photo taken from the north end of the location (east of access road). Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance. It appears only large-sized rock aggregate have been utilized to construct the BMP; using only large aggregates can contribute to erosion degradation as stormwater can be accelerated around or under the material, expanding stormwater impacts and rendering the BMP inadequate. This is becoming evident in areas shown by the yellow arrows



Photo 30: Photo taken from the north end of the location (east of access road). Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance. It appears only large-sized rock aggregate have been utilized to construct the BMP; using only large aggregates can contribute to erosion degradation as stormwater can be accelerated around or under the material, expanding stormwater impacts and rendering the BMP inadequate. This is becoming evident in areas shown by the yellow arrows

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Photo 31: Photo taken from the north end of the location (east of access road). Photo shows sediment trap BMP. BMP has filled with sediment and will require maintenance.



Photo 32: Photo taken from the north end of the location, facing south. Photo shows stormwater ditch has not been consolidated. Without proper consolidation this ditch will increase the sediment laden stormwater runoff from the location.

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Photo 33: Photo taken from the intersection of CR 63 and the access road. Access road leads to three separate locations operated by BBC. Photo shows no vehicle tracking BMPs has been implemented to mitigate sediment tracked from the construction site, or the locations, onto roadways.