

# Stormwater Inspection

May 5, 2017

Operator: HIGHLANDS NATURAL RESOURCES CORPORATION- #10625

Location ID: 449920

Arapahoe County, CO

NESE Section 15 T5S R64W

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Reclamation Specialist, COGCC



**COLORADO**  
Oil & Gas Conservation  
Commission

Department of Natural Resources

Inspection Photos  
Location Name: Highlands /5-64 15-16 Pad  
Location ID: 449920



**Photo 1.** Photo taken along a drainage area on the east side, facing South. Rip rap has been installed around the fill slopes of the culverts; rip rap has been installed along the ditch area leading to the drainage area; road ditch areas have been seeded and mulching IN-PROCESS.



**Photo 2.** Photo taken from the previous photo location, facing North. All disturbance areas will be seeded, straw mulched and crimped.



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**Photo 3.** Photo taken along a drainage area on the west side, facing South. Rip rap has been installed around the fill slopes of the culverts; rip rap has been installed along the outlet area; road ditch areas have been seeded and mulching IN-PROCESS.



**Photo 4.** Photo taken from the approximate previous photo location, facing South. All disturbance areas will be seeded, straw mulched and crimped. Check dam material has been placed along portions of the ditch and will be installed so that it is not just a pile of rocks.

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**Photo 5.** Photo taken from the northern fill slope, facing West. Photo illustrates tracking with equipment up and down the slope to reduce runoff erosion potential.



**Photo 6.** Photo taken from the western fill slope and topsoil stockpile, facing Southwest. Photo illustrates tracking with equipment up and down the slope to reduce runoff erosion potential.



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**Photo 7.** Photo taken from the northwest location, facing East. Berm BMP material does not appear to be sufficiently compacted to ensure unconsolidated soil material does not discharge from location.



**Photo 8.** Photo taken from the northwest location, facing South. Berm BMP material does not appear to be sufficiently compacted to ensure unconsolidated soil material does not discharge from location.

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**Photo 9.** Photo taken from the southwest perimeter of the location, facing Southwest. A sediment basin has been installed in conjunction with inlet and outlet protection devices.



**Photo 10.** Photo taken from the southern sediment basin, facing North. All slopes have been tracked up and down to reduce runoff erosion potential.



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**Photo 11.** Photo taken from the western sediment basin, facing North. All slopes have been tracked up and down to reduce runoff erosion potential. Photo illustrates inlet protection to the sediment basin.



**Photo 12.** Photo taken from the western sediment basin, facing South. Photo illustrates outlet protection for the sediment basin.