

Reclamation and Stormwater Inspection

October 20, 2017

Operator: BISON EXPLORATION LLC - #10646

Location ID: 451389

Arapahoe County, CO

SENE Section 22 T4S R64W

Chris Binschus
Reclamation Specialist, COGCC



COLORADO

Oil & Gas Conservation
Commission

Department of Natural Resources

Inspection Photos
Location Name: Houlihan
Location ID: 451389



Photo 1. Photo taken from the entrance of location, facing North. 2 Topsoil stockpiles are located along the eastern location. Appears topsoil stockpiles have been hydromulched and tracked with equipment. Straw wattles have been installed around the topsoil piles.



Photo 2. Photo taken from the entrance of location, facing North. See comments under Photo 1.

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Photo 3. Photo taken from the northeast location, facing West. Retention pond has been installed with inlet protection devices (rip-rap). Perimeter disturbance areas have been temporarily stabilized with hydromulch and tracked with equipment.



Photo 4. Photo taken from the northeastern location, facing South. See comments under Photo 3.

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Photo 5. Photo taken from the northern location, facing West. Ditch BMP has been installed that is directed to a retention pond area. Perimeter disturbance areas have been temporarily stabilized with hydromulch and tracked with equipment.



Photo 6. Photo taken from the northwestern location, facing South. Operator has installed a berm BMP using compacted gravel. Western outer perimeter disturbance area has been temporarily stabilized with hydromulch.

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Photo 7. Photo taken from the western location, facing South. Retention pond has been installed with inlet protection devices (rip-rap). Silt fence BMP has been installed along the southwest and southern location perimeter. Disturbance areas have been temporarily stabilized with hydromulch and tracked with equipment.



Photo 8. Photo taken from the southern location, facing East. Ditch BMP has been installed that is directed to a retention pond area with silt fence BMP downgradient. Appears fill slope areas have been temporarily stabilized with hydromulch and tracked with equipment.

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Photo 9. Photo taken from the entrance of the location, facing North. Inlet and outlet devices (rip-rap) have been installed in conjunction with the culvert.



Photo 10. Photo taken from the entrance of location, facing West. Location appears to be stabilized with gravel.