

Interim Reclamation and Stormwater Inspection

August 10, 2018

Operator: K P KAUFFMAN COMPANY INC - 46290

Location ID: 320780

Inspection Document #: 682403875

Arapahoe County, CO

NESE Section 6 T5S R63W

Chris Binschus
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

Department of Natural Resources

Inspection Photos
Location Name: RRR&S
Location ID: 320780



Google Earth aerial imagery taken 6/14/2016 illustrating well location during operations. Two points of discharge were observed during the August 10, 2018 inspection along a portion of the access road and along the southeastern well location (highlighted in the red circles). Erosion is channelizing along portions of the access road and needs repairs and BMPs.



Photo 1. Photo taken from the southern location, facing West. Photo illustrates inadequate berms around tanks. Stormwater has eroded the berm and is eroding underneath one of the tanks- see next photo for a close up.



Photo 2. Close up photo illustrating stormwater eroding underneath the tank.



Photo 3. Close up photo taken of the previous tank illustrating a leak needing repair.



Photo 4. Close up photo taken of the southern tank illustrating sediment erosion accumulation within the containment area and starting to cover valve.



Photo 5. Photo taken of the southwestern tank battery berm, facing South. Stormwater has eroded the berm and sediment filling the containment area.



Photo 6. Photo taken of the western cut slope, facing West. Operator has failed to maintain the location to reasonably control and minimize erosion, alteration of natural features and removal of surface materials. Previous inspections required the Operator to repair the rill erosion and stabilize the cut slope. Operator has failed to perform those corrective actions. Also, previous inspections noted the Operator did not properly install wattle BMPs, as this photo illustrates.



Photo 7. Photo taken from the southeastern location, facing East. Stormwater is eroding underneath the wattle BMPs, as this is one of the observed sediment discharge points off location. BMPs are inadequate which was mentioned in previous inspections. Photo also illustrates List B Colorado Noxious weeds. Four of the five List B Colorado noxious thistles were observed throughout the location and access road.



Photo 8. Photo taken along a portion of the access road, facing West. Stormwater erosion is channelizing along portions of the access road and beginning to form gully erosion. In addition, List B Colorado Noxious weeds were observed along portions of the access road.



Photo 9. Photo taken from the entrance of the location, facing East. Photo illustrates sediment accumulation from erosion washing downslope cover portions of the gate.



Photo 10. Photo taken from the second discharge point off the access road, facing East. Photo illustrates sediment discharging into the adjacent land with no stormwater control BMP.



Photo 11. Photo taken from the southeastern location, facing South. Photo illustrates Scotch thistle, a List B Colorado Noxious weed. Operator has failed to control noxious weeds which was observed on previous inspections.