

Reclamation Inspection

August 21, 2018

Operator: K P KAUFFMAN COMPANY INC - 46290

Location ID: 455229

Inspection Document #: 682403895

Weld County, CO

NWSW Section 20 T2N R66W

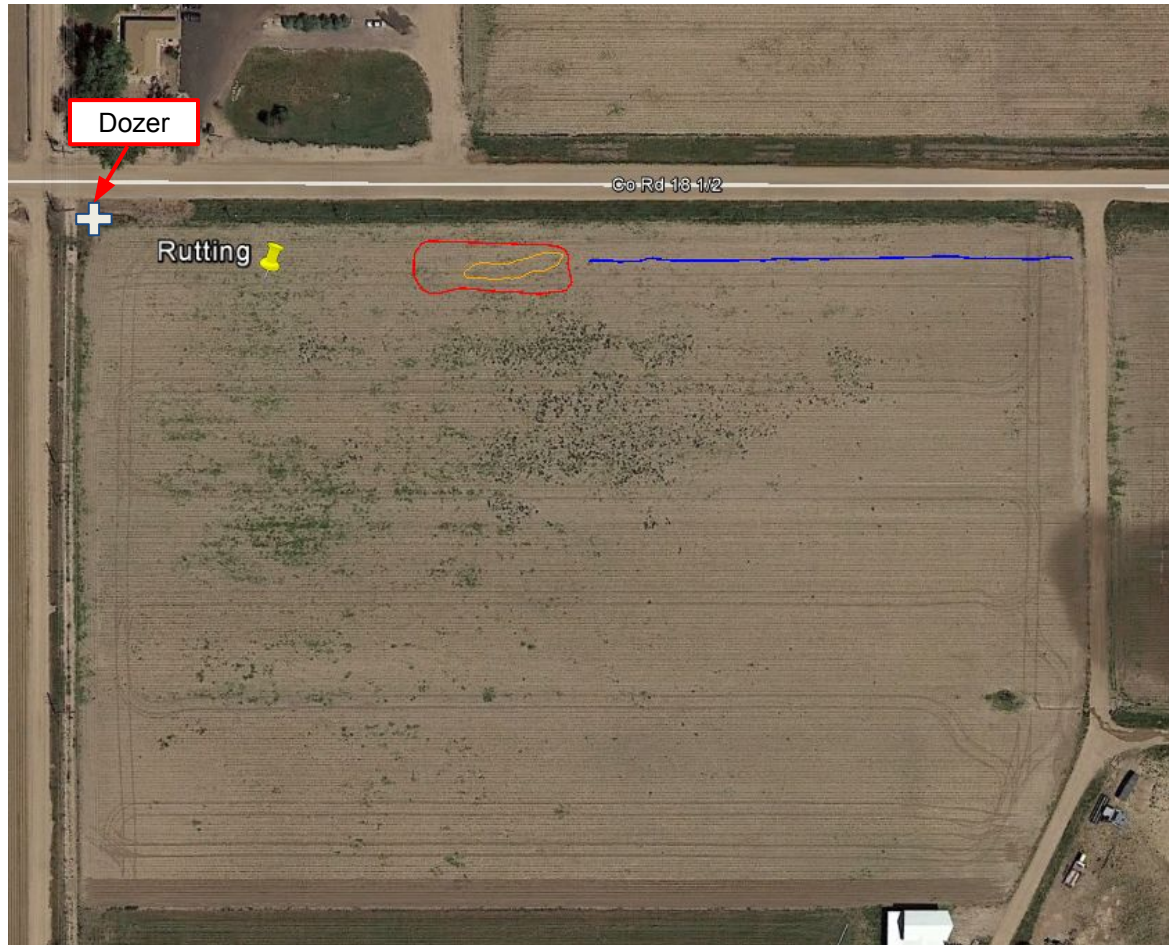
Chris Binschus
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

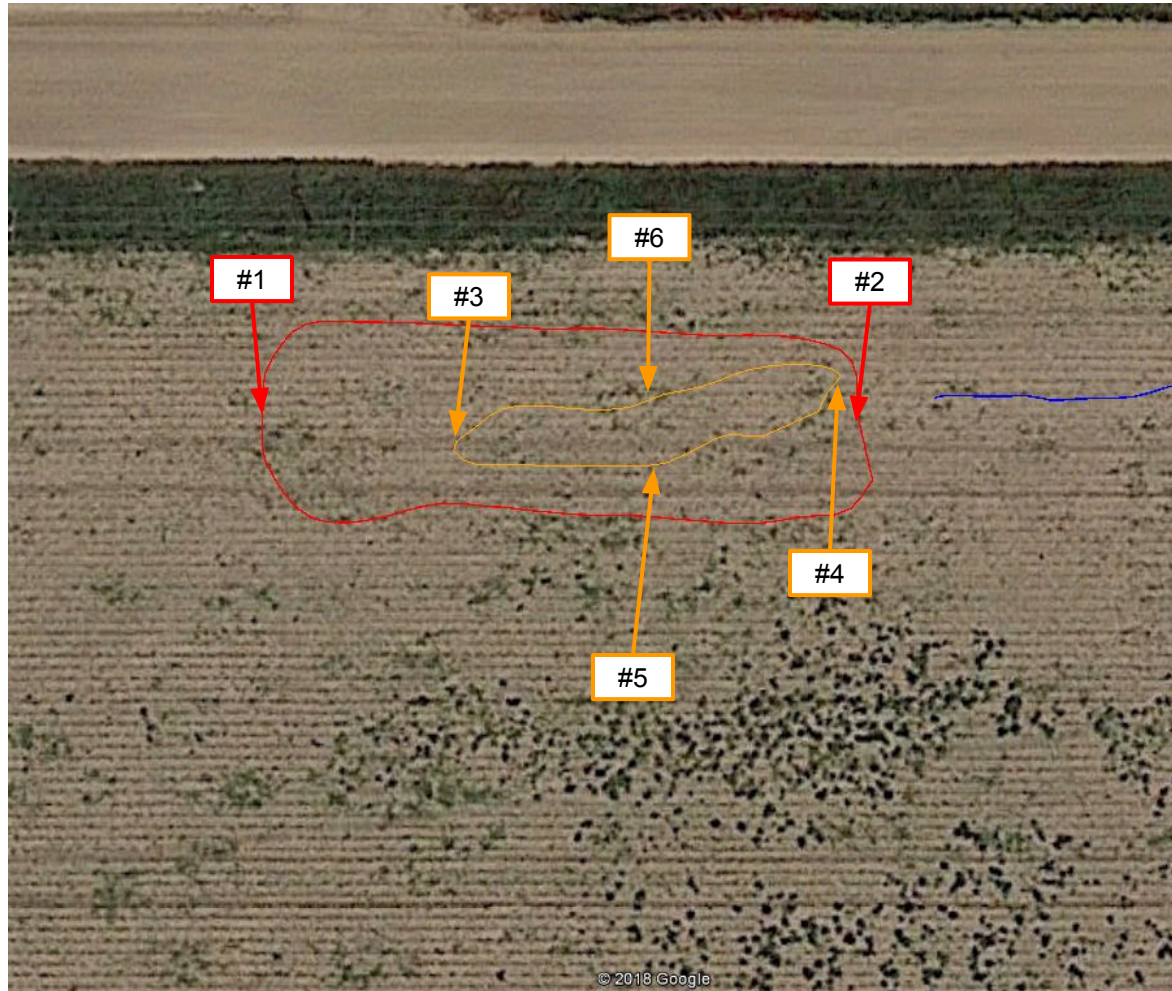
Department of Natural Resources

Inspection Photos
Location Name: SPILL/RELEASE POINT
Location ID: 455229



Google Earth aerial imagery illustrating field collected data from August 21, 2018. Image illustrates disturbance related to a spill/release point. Red line = ~5300 square feet excavated area; Orange line = ~1000 square feet of questionable topsoil replacement; Blue line = ~400' compacted area from equipment and vehicle traffic. Note: Operator left dozer on surface owners property and rutting was observed nearby.

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Approximate Lat/Longs to help guide the Operator for required soil samples: #1= 40.123391, -104.800045; #2= 40.123398, -104.799572; #3= 40.123379, -104.799891; #4= 40.123421, -104.799585; #5= 40.123369, -104.799732; #6= 40.123412, -104.799729

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Photo 1. Photo taken west of the spill/release point, facing East. Spill/release point area has not been properly contoured to match the surrounding area or allow for flood irrigation. Once the area has been properly contoured, Operator shall ensure a firm but friable seedbed preparation has been performed. Note: Operator shall properly decompact to a depth of eighteen (18") inches on all impacted areas.

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Photo 2. Photo taken west of the spill/release point, facing East. Appears rutting may have occurred. Operator shall repair all ruts.

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Photo 3. Photo taken west of the spill/release point, facing West. Operator has left dozer at location since work was completed in July. Note: Weed growth around the dozer. Operator shall remove unused equipment immediately.



Photo 4. Photo taken from a portion of the excavated area. It is unclear whether or not this soil material is equivalent to reference area soils. Soil samples were collected for confirmation. Operator shall ensure all imported soil is the same or equivalent to that of reference area soils.



Photo 5. Photo taken from a portion of the excavated area. This area (orange line in first slide) does not appear to be soil material that is equivalent to reference area soils, as this soil material consisted of coarse rock fragments not observed in reference areas. Soil samples were collected for confirmation. Operator shall ensure all imported soil is the same or equivalent to that of reference area soils.



Photo 6. Photo taken from a portion of the excavated area. This area (orange line in first slide) does not appear to be soil material that is equivalent to reference area soils, as this soil material consisted of coarse rock fragments not observed in reference areas. Soil samples were collected for confirmation. Operator shall ensure all imported soil is the same or equivalent to that of reference area soils.



Photo 7. Photo taken from a portion of the excavated area. Photo illustrates excavated areas appear to be decompacted. COGCC Staff did not make an assessment on whether proper decompaction was performed to a depth of eighteen (18") inches per Reclamation rules. Operator shall properly decompact to a depth of eighteen (18") inches on all impacted areas.



Photo 8. Photo taken from a portion of a compacted area (blue line in first slide) from equipment and vehicle traffic. Operator shall properly decompact to a depth of eighteen (18") inches on all impacted areas. Once the area has been properly decompacted, Operator shall ensure a firm but friable seedbed preparation has been performed.

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Photo 9. Photo taken from the eastern spill/release point, facing East. Photo illustrates the ~400' area of compaction. Operator shall properly decompact to a depth of eighteen (18") inches all areas impacted areas. Once the area has been properly decompacted, Operator shall ensure a firm but friable seedbed preparation has been performed.