

Construction and Stormwater Inspection

August 23, 2017

Operator: EXTRACTION OIL & GAS INC - #10459

Location ID: 429132

Weld County, CO

SWSW Section 22 T4N R68W

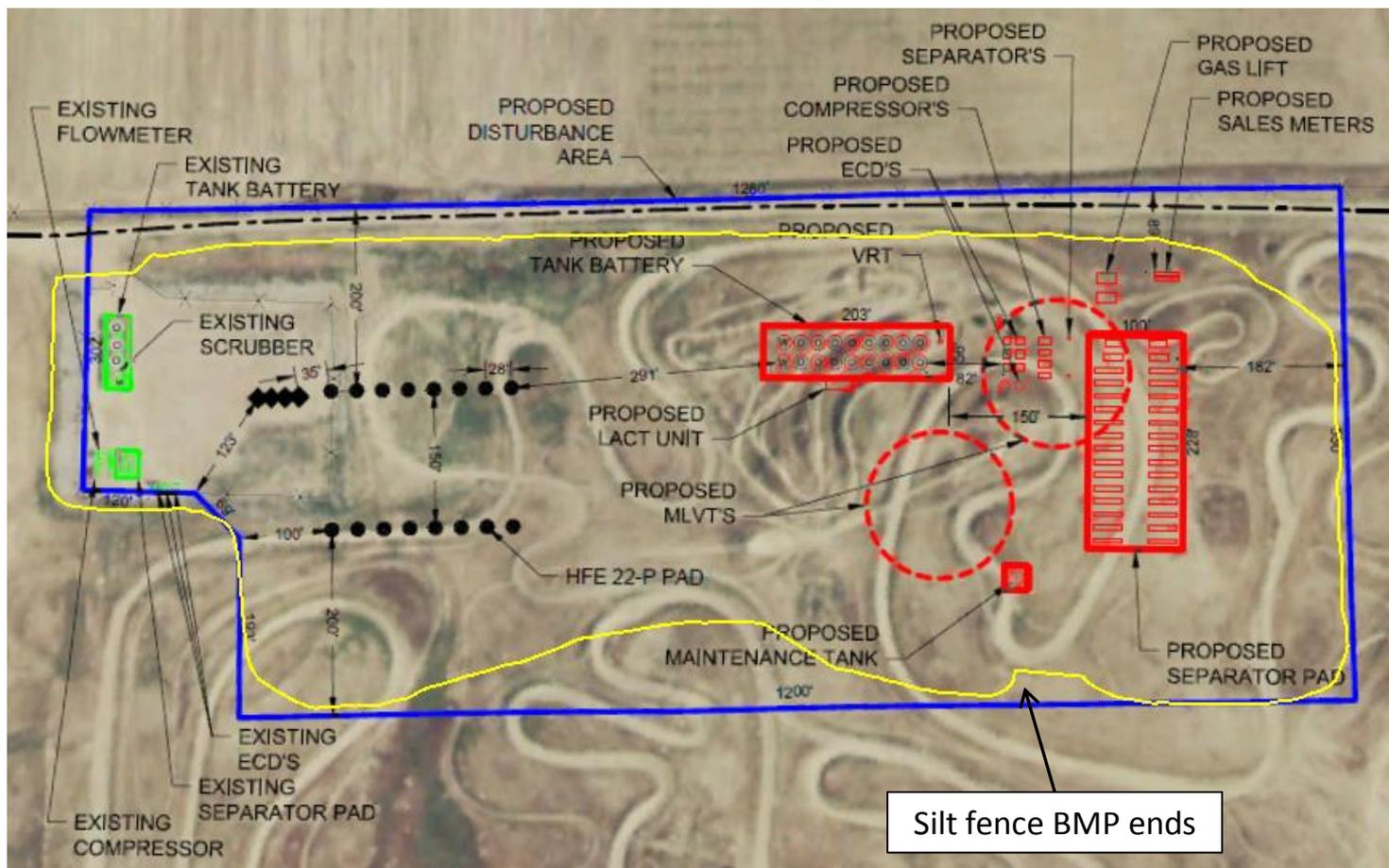
Chris Binschus
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

Department of Natural Resources

Inspection Photos
Location Name: HFE /22-P
Location ID: 429132



Extraction Production Facility Layout drawing overlaid with field collected data using a Trimble Juno 3B handheld device (yellow line). Silt fence BMP installed along western and a portion of the southern location, but stops just below the proposed maintenance tank. Appears stormwater run-on onto location is occurring right where the silt fence BMP ends. There were no erosion and/or sediment control BMPs along the eastern location. The eastern location has potential for stormwater runoff, as minor rill erosion was observed.

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Photo 1. Photo taken from the entrance of location, facing East. Tracking pad devices installed at location- see next photo for more tracking pad BMPs.



Photo 2. Photo taken from the entrance of location, facing South. Tracking pad devices installed at location.

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Photo 3. Photo taken from the entrance of location, facing North. Culvert installed along burrow ditch with stabilized inlet and outlet devices.



Photo 4. Photo taken from the northwest location, facing South. Cut slopes have been stabilized with rock material.

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Photo 5. Photo taken from the western location, facing South. Ditch installed along the pad perimeter with check dams. Silt fence installed around the western and a portion of the southern location. Cut slopes have been tracked perpendicular with equipment for temporary stabilization.



Photo 6. Photo taken from the southwestern location, facing East. Ditch installed along the pad perimeter with check dams. Silt fence BMP installed around the western and southern location. Cut slopes have been tracked perpendicular with equipment for temporary stabilization.

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Photo 7. Photo taken from the southern location, facing West. A point of run-on onto location was observed right at the stopping point of the silt fence.



Photo 8. Photo taken from the southeastern location, facing West. Operator will need to manage and control run-on onto location.

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Photo 9. Photo taken from the southeastern location, facing North. There were no erosion and/or sediment control BMPs along the eastern location. The eastern location has potential for stormwater runoff, as minor rill erosion was observed.



Photo 10. Photo taken from the northeastern location, facing East. There were no erosion and/or sediment control BMPs along this area. This area has potential for stormwater runoff.

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Photo 11. Photo taken from the northeastern location, facing West. Ditch installed along the pad perimeter with check dams. Silt fence installed around the western and a portion of the southern location. Fill slopes have been tracked perpendicular with equipment for temporary stabilization.



Photo 12. Photo taken from the north-central location, facing South. A stabilized area constructed of rip-rap has been installed for erosion control. However, this may not be considered a sufficient sediment control BMP, especially as sediment builds up within the rip-rap. More rip-rap was observed on the other side of the access road but, again, that may not be sufficient as a sediment control BMP.

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Photo 13. Photo taken from the northwestern location, facing West. Ditch installed along the pad perimeter with check dams, but unconsolidated material needs to be stabilized. Silt fence installed around the western and a portion of the southern location. Fill slopes have been tracked perpendicular with equipment for temporary stabilization.

Photo 14. Photo taken from the northwest location, facing South. A stabilized outlet from a culvert installed in conjunction with the ditch BMP.