

Interim Reclamation and Stormwater Inspection

January 30, 2018

Operator: EXTRACTION OIL & GAS LLC- #10459

Location ID: 439027

Inspection Document #: 682403241

Weld County, CO

SWSW Section 8 T7N R66W

Chris Binschus
Reclamation Specialist, COGCC



COLORADO
Oil & Gas Conservation
Commission

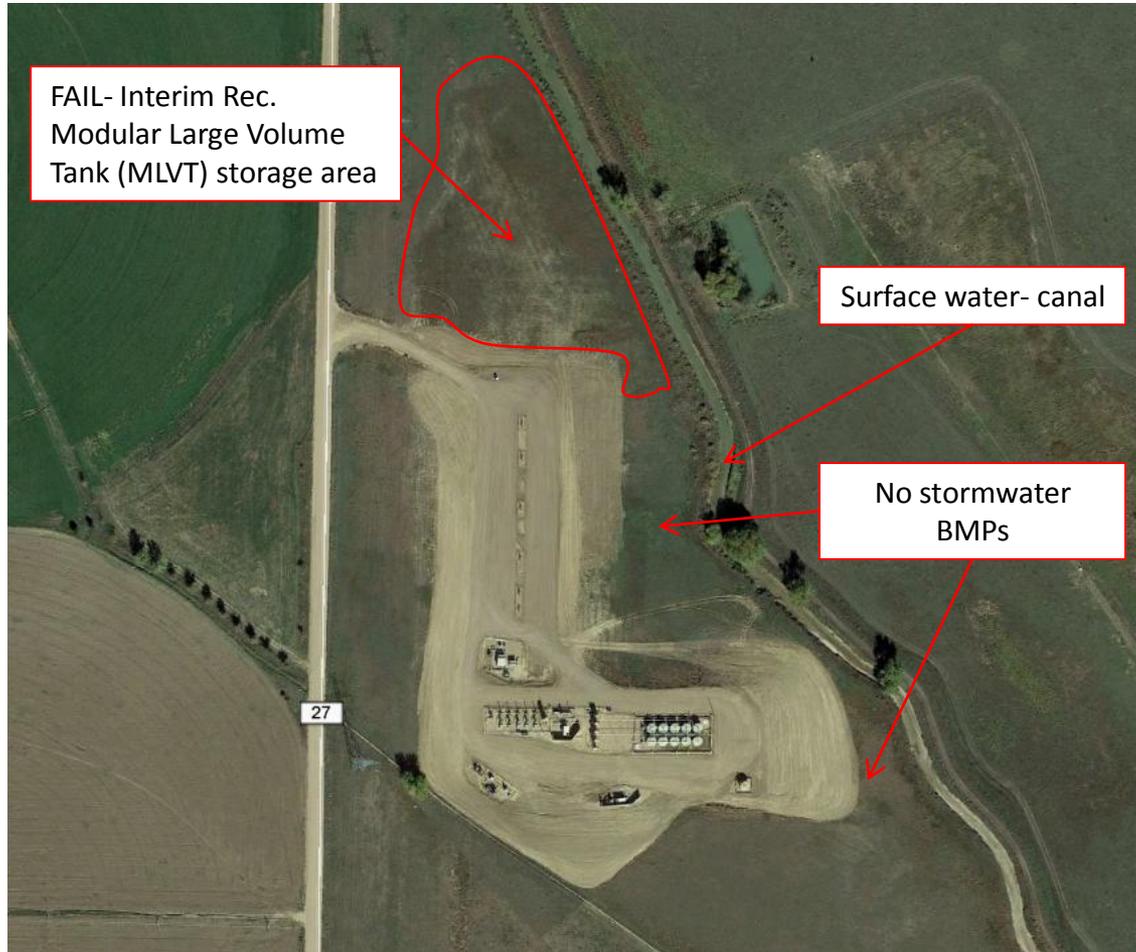
Department of Natural Resources

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



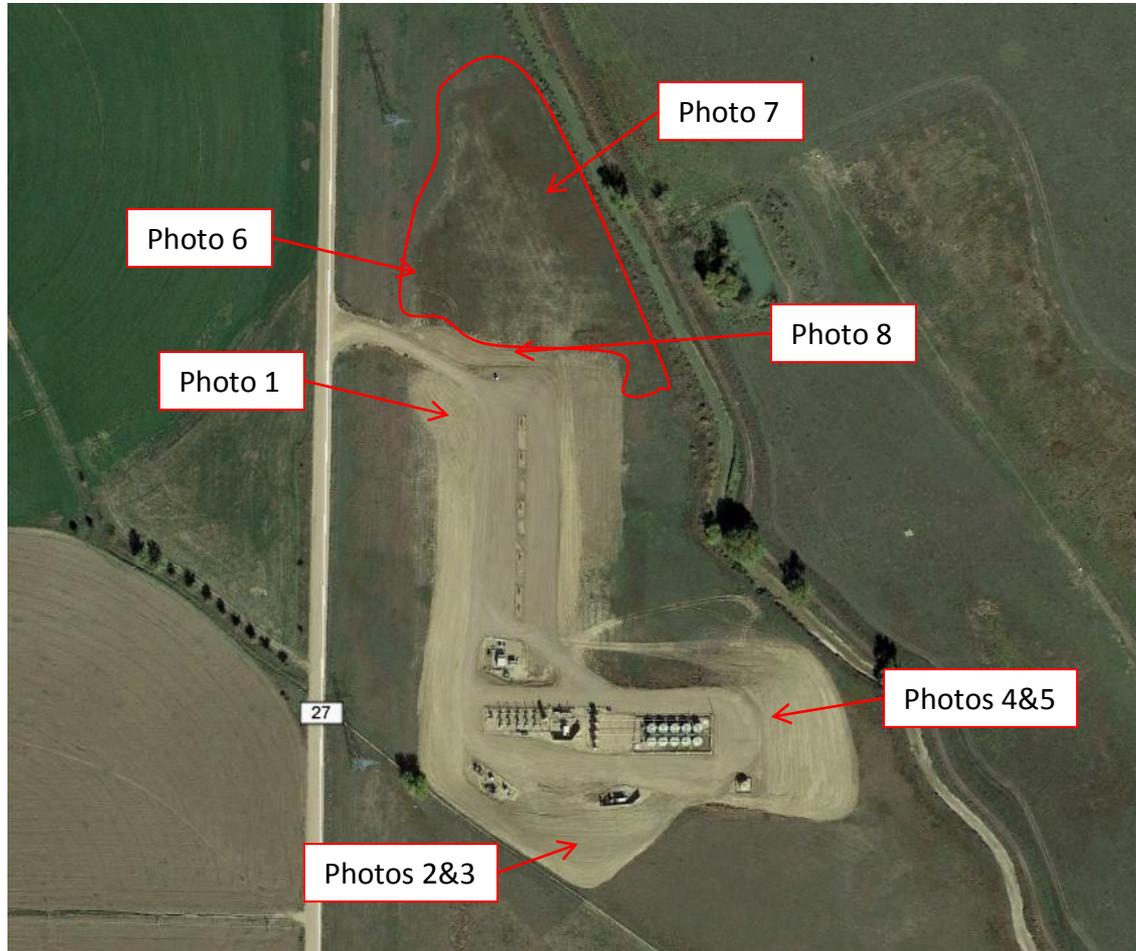
Aerial imagery taken July 28, 2015 during drilling operations of the Thornton 8-P Pad.

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



Aerial imagery taken October 14, 2017 post drilling operations of the Thornton 8-P Pad. Appears the western, southern and eastern interim reclamation areas have been redone by the evidence of seedbed prep. The northern interim area used for the MLVT storage area does not appear to meet Rule 1003 standards, as much of the vegetation is dominated by weedy, annual vegetation (Kochia and Russian thistle). There are no down gradient stormwater BMPs to prevent and control stormwater runoff in a manner that minimizes erosion, transport of sediment offsite, and site degradation. Surface water (canal) is less than 25' from the disturbance area.

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



Aerial imagery illustrates the approximate photograph location taken during the January 30, 2018 inspection.

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



Photo 1. Photo taken from the entrance of the location, facing South. Seedbed prep has been performed but has not been seeded or stabilized.



Photo 2. Photo taken from the southern location, facing West. See comments under Photo 1.

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



Photo 3. Photo taken from the southern location, facing East. See comments under Photo 1.



Photo 4. Photo taken from the southeastern location, facing South. See comments under Photo 1. No stormwater BMPs were observed down gradient of the disturbance areas (interim area).

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



Photo 5. Photo taken from the southeastern location, facing North. See comments under Photo 4. The surface roughening BMP has not been installed in the correct direction. The surface roughening BMP should be installed perpendicular to the slope to help reduce runoff velocity, increases infiltration, and reduces erosion. In this current state, this would aid erosion in a stormwater event.

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027

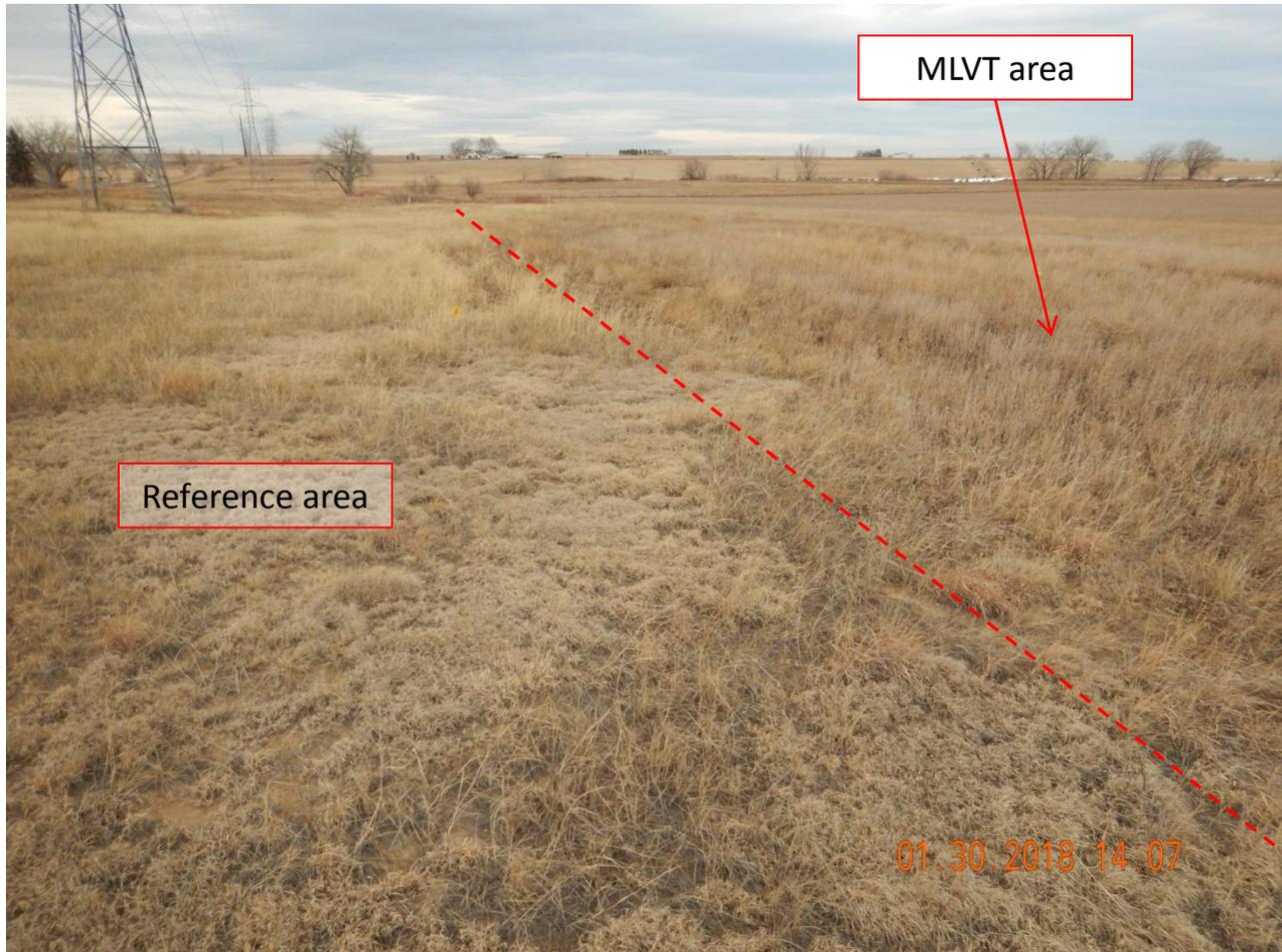


Photo 6. Photo taken from the northern location, facing North. This area was used for the Modular Large Volume Tank storage area. This area consists mainly of Kochia and Russian thistle which is not reflective of reference vegetative levels. Reference area vegetation mainly consists of Sand dropseed (*Sporobolus cryptandrus*) and Blue grama (*Bouteloua gracilis*).

Inspection Photos
Location Name: Thornton /8-P Pad
Location ID: 439027



Photo 7. Photo taken from the eastern MLVT area, facing South. See comments under Photo 6.



Photo 8. Photo taken from a portion of the northern interim area, facing West. Operator should ensure vehicle traffic remains off interim areas.