

Construction and Stormwater Inspection

Date: 11/14/2023

Operator: MDS ENERGY DEVELOPMENT LLC - 10814

Location ID: 471039

Inspection Document #: 708200700

Weld County, CO

Dylan Edwardson
Reclamation Specialist, ECMC



COLORADO

**Energy & Carbon Management
Commission**

Department of Natural Resources

Inspection Photos
Location Name: Castor 7-59 10
Location ID: 471039

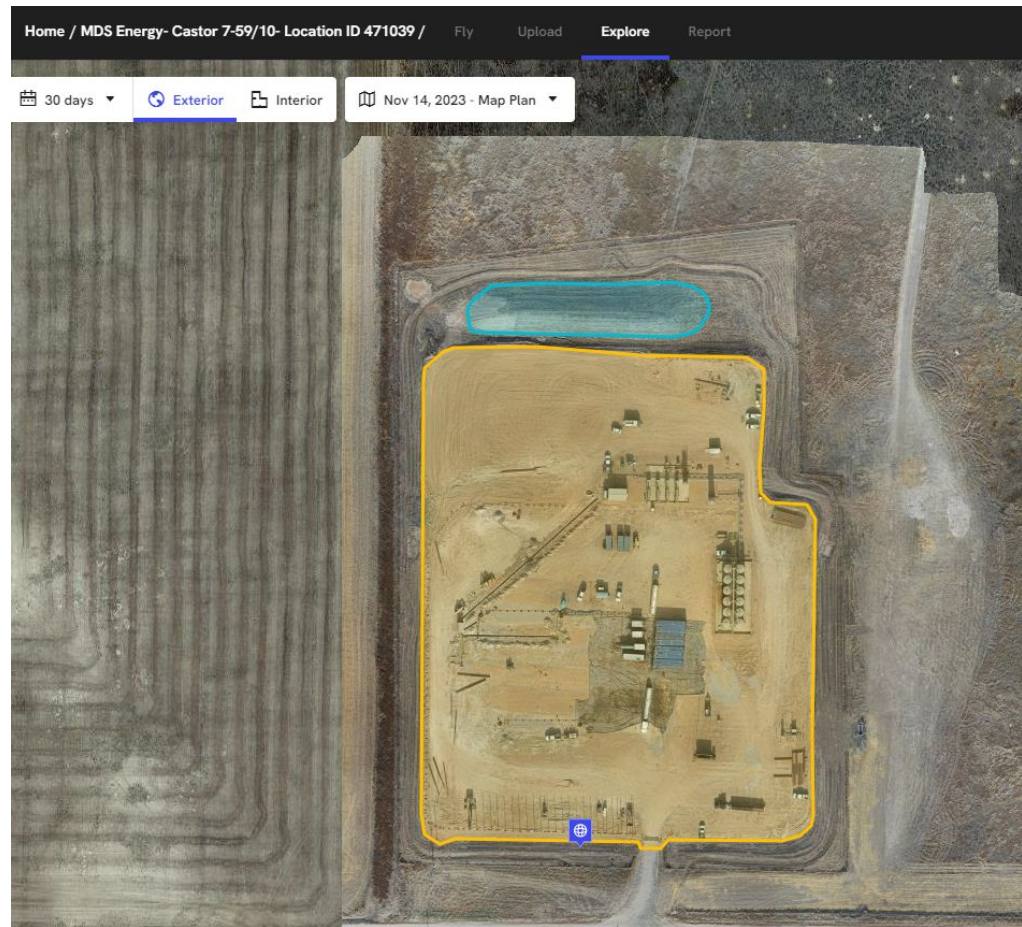


Photo 1. Drone aerial overview of the Castor 7-59 10 location. The blue shaded portion represents the topsoil stockpile and the yellow shaded portion represents the disturbance area where topsoil should have been salvaged from.

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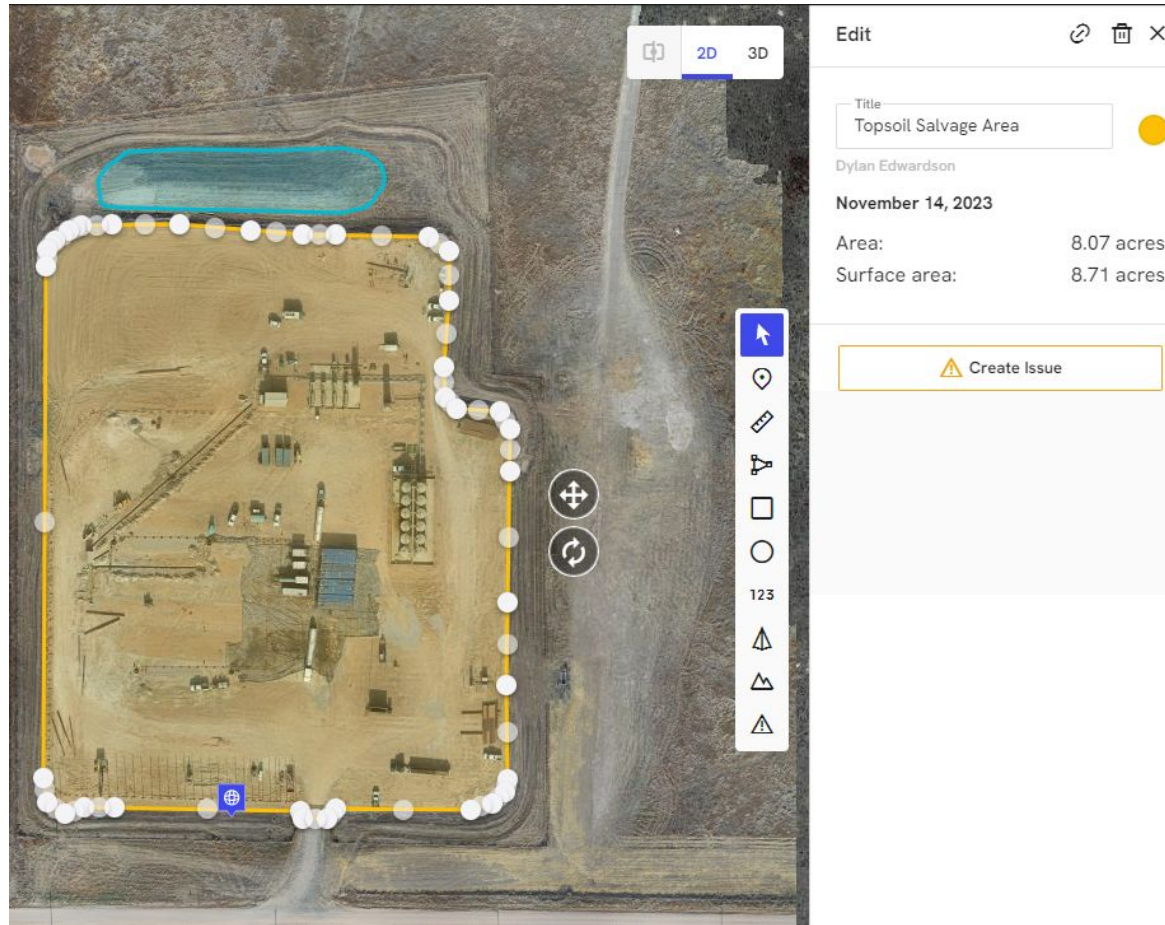


Photo 2. The yellow shaded portion of the location is approximately 8 acres in size and represents the disturbance area where topsoil should have been salvaged to a minimum required depth of 6", or greater depending on topsoil depths observed on location. ECMC Staff has determined that approximately 3.25" of topsoil was originally salvaged during the initial construction phase based on a topsoil stockpile volume of approximately 3,495 CY (see Photo 3 for additional) illustrated by the blue polygon to the north.

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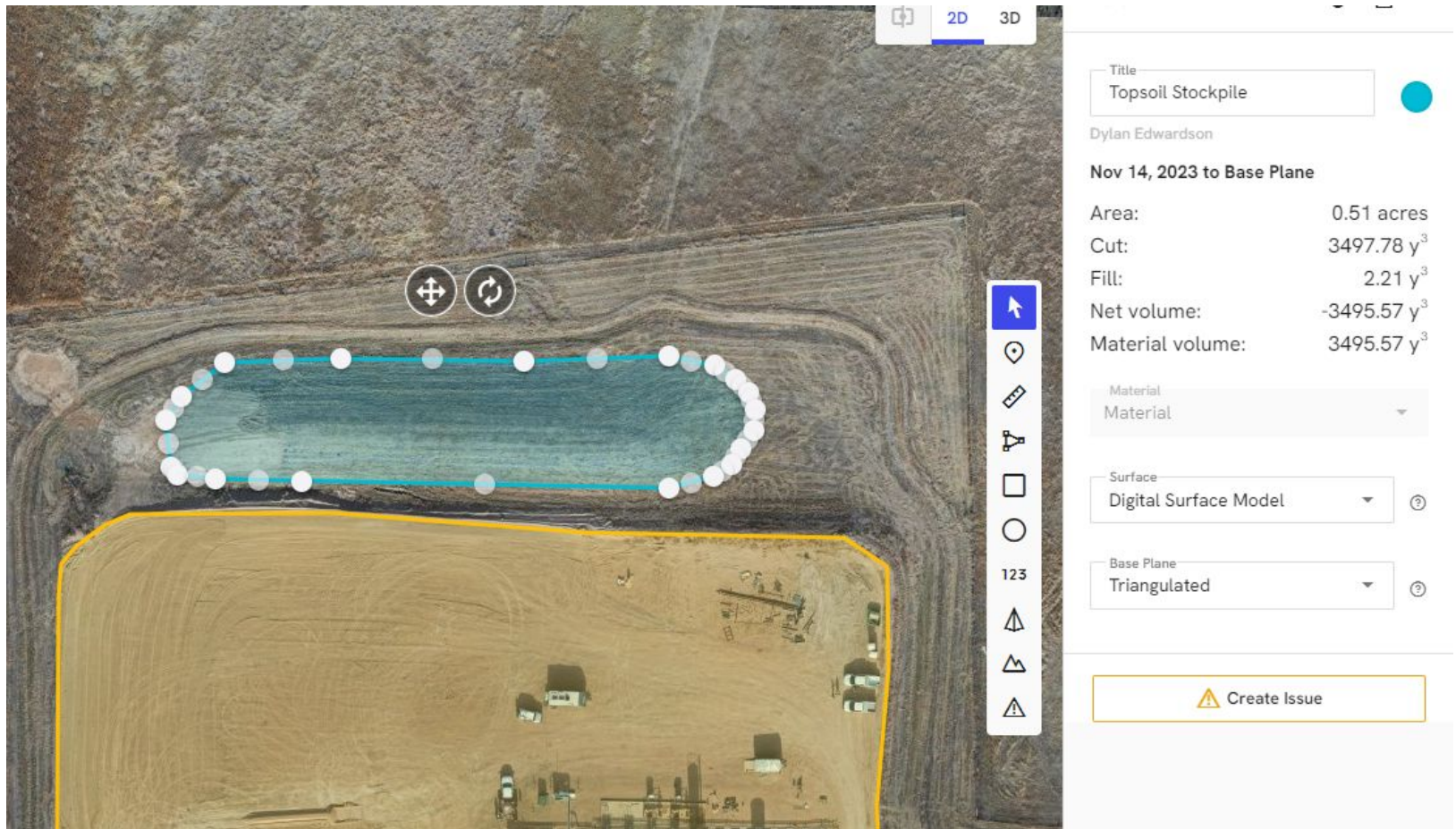


Photo 3. The blue shaded area illustrates the topsoil stockpile on the northern portion of the location. Utilizing drone technology, Staff estimates there is approximately 3,495 CY of stockpiled topsoil on location. The Operator should have salvaged approximately 6,447 CY of topsoil at the minimum required depth of at least 6" over the ~8 acre salvageable disturbance area.



Photo 4. Drone aerial imagery shows stained soils and a spill/release of hydrocarbons that are being tracked outside of the secondary containment. It does not appear that any remaining free fluids have been properly contained and disposed of.

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Photo 5. Continued from Photo 4.



Photo 5. Drone aerial imagery illustrating stained soils throughout the production area.

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Photo 6. Drone aerial imagery illustrating stained soils throughout the production area and hydrocarbon impacts within the secondary containment of the tank battery.