

Construction and Stormwater Inspection

Date: 03/15/2023

Operator: MORNING GUN EXPLORATION- 10656

Location ID: 471039

Inspection Document #: 708200062

Weld County, CO

SWSE Section 10 T7N R59W

Dylan Edwardson
Reclamation Specialist, COGCC



COLORADO

**Oil & Gas Conservation
Commission**

Department of Natural Resources

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



Photo 1. Facing north from the western side of the location. Unused equipment was observed on location during this inspection.

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



Photo 2. Facing south at the northwest corner of the location, near the sediment trap. An animal burrow was observed on the berm of the sediment trap and will need to be repaired per Rule 1002.f.(2)C.



Photo 3. Facing northeast towards the topsoil stockpile. It does not appear the operator salvaged all of the topsoil from the location as staff calculated that the stockpile is approximately 5,925 cubic yards. The location should have had approximately 14,639 cubic yards of topsoil salvaged, not including the topsoil underneath the stockpile. The operator will need to import the difference (~8,700 cubic yards) to come into compliance with Rule 1002.b.

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



Photo 4. Facing east from topsoil stockpile. See comments in Photo 3.

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



Photo 5. Facing west towards topsoil stockpile. See comments in Photo 3.

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



Photos 6 & 7. Close up photo of Staff soil pits, taken southeast of location entrance. Photo 6 (left) illustrates that approximately 10" of topsoil was observed from soil pit based on soil characteristics.

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

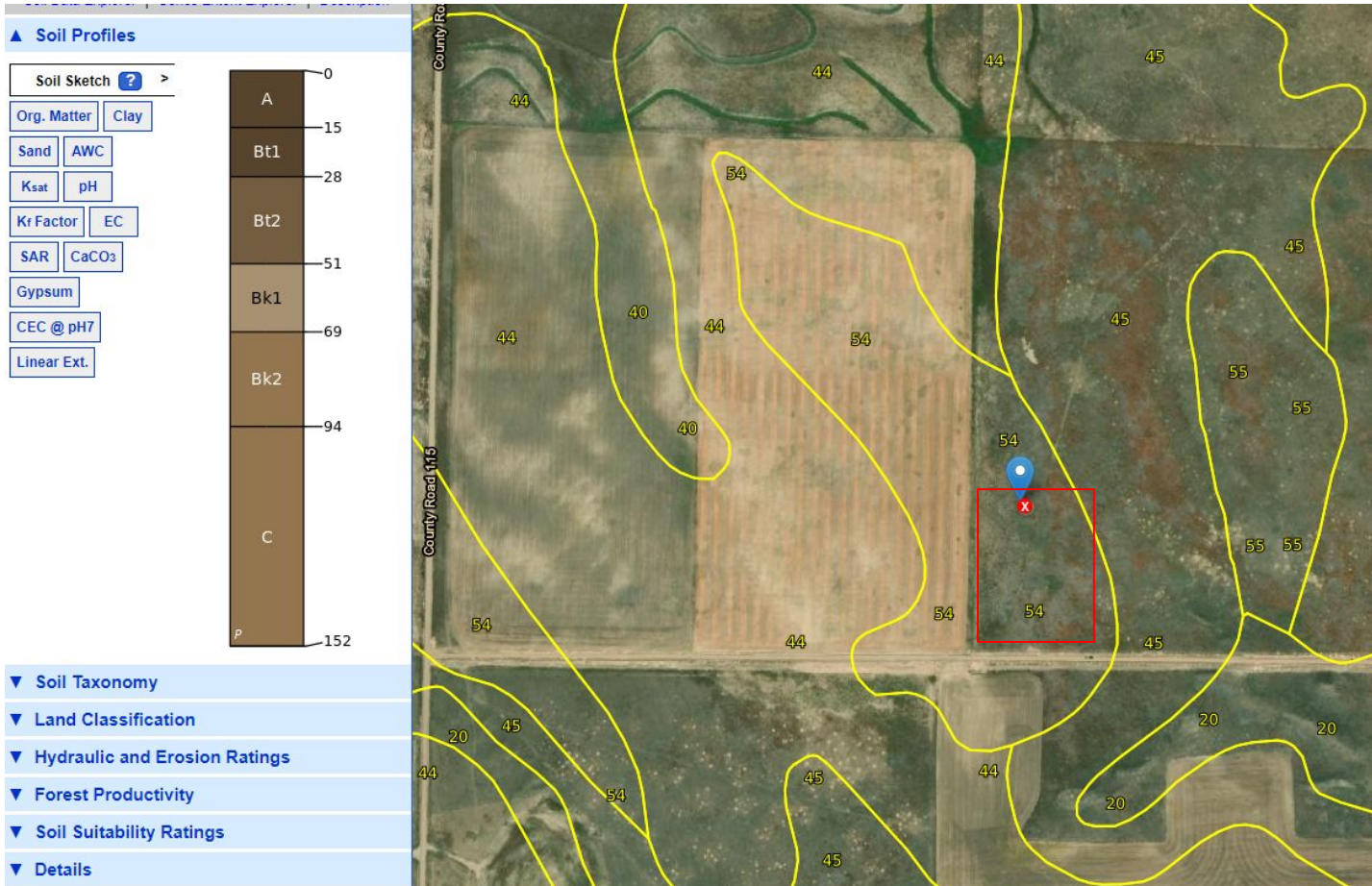


Photo 8. Screenshot taken from UC Davis SoilWeb illustrating approximate location (red outline) and soil properties. The topsoil layer in unit 54 consists of the A horizon and Bt1 horizon for an approximate depth of 28 cm or ~11 inches.

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



Photo 9. Facing west from the northwest corner of the location. Per Wildlife BMP/COA #9 on the Approved Form 2A (Doc #401906116), "The operator agrees to install raptor perch deterrents on equipment, fences, cross arms and pole tops in plains sharp-tailed grouse habitat". No raptor perch deterrents were observed along any of the fence line during this inspection.