




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

<b>MINE NAME:</b> Bob Terrill Clay Pit	<b>MINE/PROSPECTING ID#:</b> M-1999-029	<b>MINERAL:</b> Clay (general)	<b>COUNTY:</b> Logan
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> Cloudy	<b>INSP. DATE:</b> August 29, 2023	<b>INSP. TIME:</b> 11:00
<b>OPERATOR:</b> Logan County	<b>OPERATOR REPRESENTATIVE:</b> Jeff Reeves	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> N/A	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Nikie Gagnon	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> October 24, 2023	

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

This inspection was conducted as part of the Division of Reclamation, Mining and Safety's (Division or DRMS) routine monitoring program for permitted operations. Nikie Gagnon, with the Division, conducted the inspection. Jeff Reeves and Rob Kasper, representing Logan County (Operator), accompanied the Division during the inspection.

The Bob Terrill Clay Pitt is located approximately 5 miles east of Sterling, CO on the north side of Hwy 61. The site is a 110c operation permitted to affect 9.90 acres. The mine was used as a source of clay for the County landfill, however, according to the Operator, the County has other sources of clay and has not mined here recently. Affected lands will be reclaimed to support a rangeland post-mining land use. At the time of this inspection, it was clear and warm. The site was not active at the time of inspection and no equipment was observed on-site.

During the last inspection on February 12, 2019, the Operator stated the County planned to reclaim the mine that year. Based on observations during this inspection, reclamation is not complete. According to the approved reclamation plan, all slopes will be graded to 3H:1V, and 18 inches of overburden and 5 inches of topsoil will be replaced, and the site will be seeded with a rangeland seed mixture. The Division observed slopes steeper than 3H:1 around the excavated pit and overburden is still stockpiled on the northwestern side. Mr. Reeves indicated they planned to bring in the 5 inches of topsoil after grading is complete. The Division reminds Logan County that reclamation must be completed with all reasonable diligence within five (5) years from the date that mining activities ceased as required by C.R.S. 34-32.5-116(4)(q)(I) and Rule 3.1.3.

Annual and perennial weeds, primarily Russian thistle and field bindweed (a class C listed species) were observed at the site. Mr. Reeves stated during this inspection that the County planned to conduct weed control across the site this month. The Division reminds the Operator that per Rule 3.1.10(6), "methods of weed control shall be employed for all prohibited noxious weed species, and whenever invasion of a reclaimed area by other weed species seriously threatens the continued development of the desired vegetation. Weed control methods shall also be used whenever the inhabitation of the reclaimed area by weeds threaten further spread of serious weed pests to nearby areas."

Additionally, ponded stormwater was observed in the middle of the pit floor. Mr. Reeves stated that this pit is typically dry however, Logan County received higher than average precipitation this year. The County plans to regrade the pit and side slopes to create positive drainage away from the center. The Division reminds the Operator that the Division of Water Resources (DWR) requires that any stormwater runoff intercepted by this operation that is not diverted or captured in priority must infiltrate into the ground or be released to the stream system within 72 hours; otherwise the operator will need to make replacements for evaporation through a substitute water supply plan approved by DWR or a plan for augmentation decreed by the water court.

### **Signs and Markers:**

A mine sign was posted in accordance with Rule 3.1.12(1) at the entrance to the pit and the boundaries are marked in the corners with wood and metal posts. A barbed wire fence runs around the boundary of the permit area.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303-866-3567 x8126, or by email at [nikie.gagnon@state.co.us](mailto:nikie.gagnon@state.co.us).

## **PHOTOGRAPHS**



Photo 1: Looking northwest at the excavated pit from the entrance.



Photo 2: Looking west across the excavated pit from the eastern pit wall.





Photo 3: Looking north along the pit wall that is close to the permit boundary on the east side of the permit area. The slopes are steeper than 3H:1H here.



Photo 4: Stormwater ponded in a depression in the center of the excavated pit.





Photo 5: Russian thistle noted on the south and west sides of the excavated pit.



Photo 6: Field bindweed observed south of the excavated pit and near the entrance.





Photo 6: Looking west along the southern permit boundary. A barbed wire fence marks the perimeter of the permit area.



Photo 6: Mine sign and gate at the entrance to the pit.

**Inspection Contact Address**

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Sterling, CO 80751

CC: