




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**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>INSPECTOR(S):</b> Elliott R. Russell	<b>INSP. DATE:</b> April 15, 2015	<b>INSP. TIME:</b> 11:15
<b>OPERATOR:</b> Logan County	<b>OPERATOR REPRESENTATIVE:</b> Rob Quint & Chad Wright	<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> NA
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> May 1, 2015

**GENERAL INSPECTION TOPICS**

This list identifies the environmental and permit parameters inspected. 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>NA</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	(ST) STIPULATIONS----- <u>NA</u>

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

## **OBSERVATIONS**

The Division of Reclamation, Mining and Safety (Division/DRMS) conducted an inspection of the Bob Rerrill Clay Pit (Permit File No. M-1999-029), a Construction Material Limited Impact 110c Operation Reclamation Permit with 9.9 permitted acres and an approved post mining land use of Rangeland. The mine is located approximately 5 miles east-southeast of Sterling, Colorado. Elliott Russell, with the Division, inspected the site. Rob Quint and Chad Wright, both with Logan County, represented the Operator and accompanied the inspection. This inspection was carried out as a part of the Division's normal monitoring program.

At 1115 hours, the Division, Mr. Quint, and Mr. Wright arrived at the mine site, located 1 mile west of County Road 53, on the north side of Colorado Highway 61. At the time of the inspection the temperature was hot, the sky was clear, and the ground was dry. The mine site identification sign was observed at the entrance to the site and was in compliance with Rule 3.1.12(1). The permit boundary was delineated by fence lines on all sides. The site appeared to be dormant as there was no evidence of recent mining or reclamation activities and no mining equipment was observed on site.

The Operator only mines clay from the site for uses at the County Landfill. The site consists of a single excavated area approximately 7 acres in size. Topsoil has been stripped from the entire site and piled along the southern and western boundaries. The pit area is at its maximum size for this permit; Mr. Wright stated that if the landfill requested more clay, they would extract material from the site by mining deeper due to the permit's size constraint. A small stockpile of material was observed at the toe of the northwestern slope. The Operator was reminded to keep the site active and in compliance by conducting mining activity (extracting, processing, stockpiling, hauling, etc.) at least once every year at the site.

The Division observed some erosion in the southeast portion of the site. This erosion appears to be headcutting/migrating to the east and is very close to the eastern boundary line. At this time, this will not be cited as a problem because the feature is entirely within the permit and drains toward the pit area (remains on-site). The Division recommends monitoring this feature and possibly backfilling/grading this area appropriately to ensure this feature does not affect lands outside of the permit boundary.

## **PHOTOGRAPHS**



Permit identification sign at the site entrance; looking northeast.

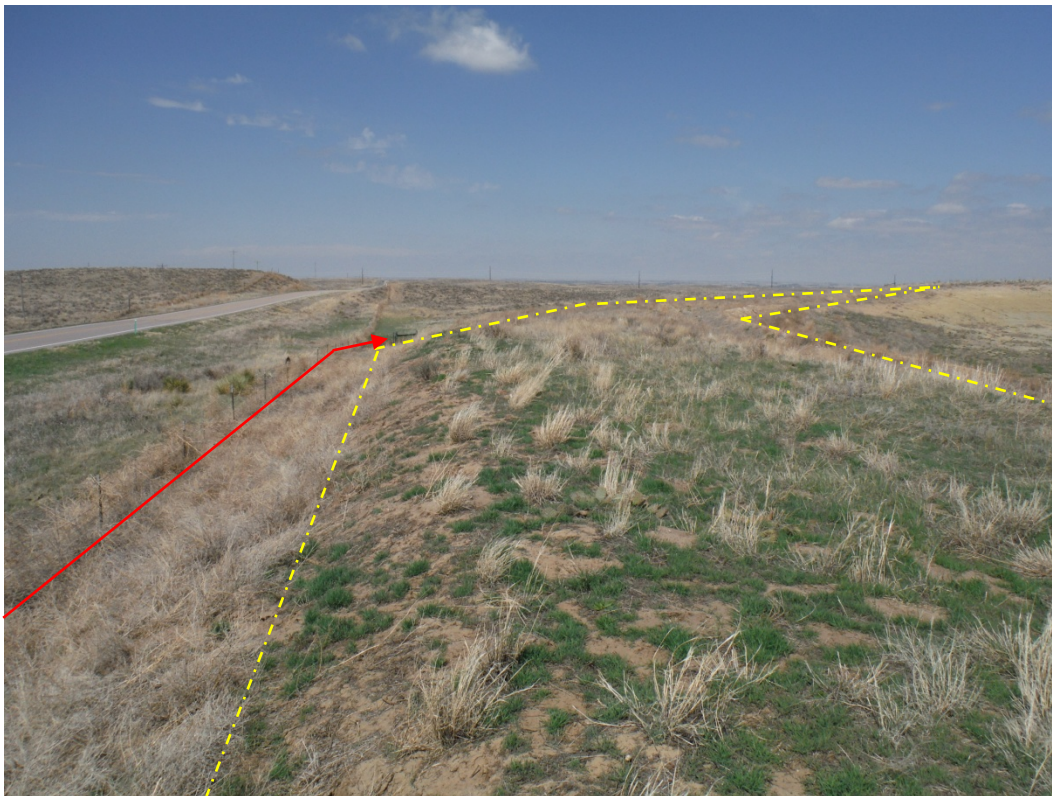


Site overview; looking northwest from the mine entrance.





Product stockpile at toe of northwest slope; looking northwest.



Topsoil stockpile (yellow) along southern and western permit boundary (red); looking northwest.



Erosion near the eastern permit boundary; looking north.

**Inspection Contact Address**

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Logan County  
315 Main St. Ste 2  
Sterling, CO 80751

CC: Wally Erickson; DRMS