


**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

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.

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| MINE NAME: Bob Terrill Clay Pit | MINE/PROSPECTING ID#: M-1999-029 | MINERAL: Clay (general) | COUNTY: Logan |
| INSPECTION TYPE: Monitoring | INSPECTOR(S): Peter S. Hays | INSP. DATE: February 12, 2019 | INSP. TIME: 12:00 |
| OPERATOR: Logan County | OPERATOR REPRESENTATIVE: Jeff Reeves | TYPE OF OPERATION: 110c - Construction Limited Impact | |

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| REASON FOR INSPECTION: Normal I&E Program | BOND CALCULATION TYPE: None | BOND AMOUNT: N/A |
| DATE OF COMPLAINT: NA | POST INSP. CONTACTS: None | JOINT INSP. AGENCY: None |
| WEATHER: Windy | INSPECTOR'S SIGNATURE:  | SIGNATURE DATE: February 20, 2019 |

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Signs & Markers

PROBLEM: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1).

CORRECTIVE ACTIONS: The Operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The Operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 4/22/19

OBSERVATIONS

The Bob Terrill Clay Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on April 15, 2015. Mr. Jeff Reeves with Logan County was present during the inspection.

The 110c operation is permitted for 9.96 acres with an approved post-mining land use of rangeland. The site is located approximately 5 miles east-southeast of Sterling, CO and northwest of the intersection of Hwy 61

and CR 51. The ground was partially snow covered at the time of the inspection. The wood post the mine identification sign was posted on at the entrance to the site was broken and the sign was laying on the ground. As cited as a problem, the Division will require the Operator to submit photo documentation the sign has been repaired by the corrective action date. The Operator stated the sign would be reinstalled on the entrance gate. The permit boundary was delineated by fences on all sides.

The site is used as a source for clay for the County Landfill only. The site was inactive during the inspection. The Operator stated the mine had not been active in several years. The Operator stated Logan County will reclaim the site this year, since clay material is available from other County operated sites and since the pit is approaching the permit boundary on all sides. A highwall was observed in the southeast corner of the site. The highwall was estimated to be 240 feet long, 3 feet in height and at a 1H:1V slope. The Operator stated the highwall would be backfilled as part of the final reclamation of the site. The remainder of the pit slopes were rutted with erosion features. The pit floor and slopes were covered with volunteered vegetation consisting of native grasses and annual weeds. A small stockpile of material was located in the northern portion of the pit floor.

The approved Reclamation Plan states the slopes will be graded to 3H:1V slope, 18 inches of overburden and 5 inches of topsoil will be replaced and the site will be revegetated with a rangeland seed mixture. A large well-vegetated stockpile of topsoil was observed along the southern and southern portion of the west boundaries. A small area of standing water was observed on the pit floor. The Operator stated the pit floor would be graded to prevent standing water during final reclamation.

Photographs taken during the inspection and an inspection map created by the Division based on the inspection observations are attached.

Inspection Contact Address

Jeff Reeves
Logan County
12603 CR 33
Sterling, CO 80751

Enclosure – Inspection Map

Ec: Michael Cunningham, DRMS

PHOTOGRAPHS



Bob Terrill Clay Pit sign laying on the ground



View of site from the entrance looking north



View of the highwall section in the southeast corner of the site



View of the site from the north highwall looking south with stockpile next to the truck

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

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| (AR) RECORDS----- <u>Y</u> | (FN) FINANCIAL WARRANTY----- <u>NA</u> | (RD) ROADS----- <u>N</u> |
| (HB) HYDROLOGIC BALANCE----- <u>N</u> | (BG) BACKFILL & GRADING----- <u>N</u> | (EX) EXPLOSIVES----- <u>N</u> |
| (PW) PROCESSING WASTE/TAILING---- <u>N</u> | (SF) PROCESSING FACILITIES----- <u>N</u> | (TS) TOPSOIL----- <u>Y</u> |
| (MP) GENL MINE PLAN COMPLIANCE- <u>Y</u> | (FW) FISH & WILDLIFE----- <u>N</u> | (RV) REVEGETATION---- <u>N</u> |
| (SM) SIGNS AND MARKERS----- <u>PB</u> | (SP) STORM WATER MGT PLAN---- <u>N</u> | (RS) RECL PLAN/COMP-- <u>N</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