



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.

MINE NAME: Cross Mountain Pit 1	MINE/PROSPECTING ID#: M-1993-023	MINERAL: Borrow material for	COUNTY: Moffat
INSPECTION TYPE: Surety Release Inspection	INSPECTOR(S): Amy C. Yeldell, Stephanie Mitchell	INSP. DATE: June 16, 2015	INSP. TIME: 03:00
OPERATOR: Moffat County	OPERATOR REPRESENTATIVE: Billy Mack	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Surety Release Requested	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Windy	INSPECTOR'S SIGNATURE: <i>Amy Yeldell</i>	SIGNATURE DATE: June 29, 2015

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>N</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</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>N</u>	(FW) FISH & WILDLIFE----- <u>NA</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</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>Y</u>	(ST) STIPULATIONS----- <u>Y</u>

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

OBSERVATIONS

This inspection was conducted by the Division of Reclamation, Mining and Safety (Division) in response to the request for surety release that was submitted by the operator on May 14th, 2015. Billy Mack represented Moffat County and accompanied Amy Yeldell and Stephanie Mitchell of the Division on the inspection. Photographs are included in this report to illustrate some of the conditions that were observed during this inspection.

The Cross Mountain Pit #1 is a 112c permitted site. It is located approximately 18.5 miles west of Maybell and is accessed from County Road 10.

The mine identification sign and affected area boundary markers remain in place and in compliance with Rule 3.1.12. The mine identification sign is on the left side of the access road as you enter the site. T-post are placed periodically to delineate the permit boundary areas.

The pit is currently not active and the entire site is in final reclamation phase awaiting release. Both the site and the access road have been reclaimed using drill seed method with the approved seed mix. Water bars have been installed along the access road to prevent erosion. The contours and regarding of the site is adequate and naturally blends in with the surround undisturbed landscape. The older reclamation took place approximately 10 years ago and the new reclamation occurred about 2 years ago. Reclamation success is variable over the site. There is establishment of shrubs in the older reclaimed areas. The older reclamation has extensive cheatgrass and is a monoculture with the exception of the shrubs. The new reclamation has a high density of various wheat grasses and has good species diversity. There is some cheatgrass encroachment in the newly reclaimed areas but it is minimal at this time.

Current vegetation on this site does not support the post mine land use of rangeland due to lack of species diversity. Nearby cheatgrass infestations have spread into the reclaimed areas and outcompeted desirable species. At this time, the Division does not feel that this site meets the requirement for reclamation release.

It is recommended to increase the success of reclamation that the operator get soil samples tested and if any deficiencies are identified, to apply amendments/fertilizers as needed. Secondly, selecting a seed mix that is better adapted to this site may improve reclamation success over a canned countywide mix. Additional species to consider; bottlebrush squirreltail, Indian ricegrass, thickspike wheatgrass, crested wheatgrass, needle and thread, scarlet globemallow. A more intensive weed management program will also help desired species thrive. In addition to spraying for the required Class A and B weeds, it is recommended that Class C weeds (specifically cheatgrass) be more intensively managed.

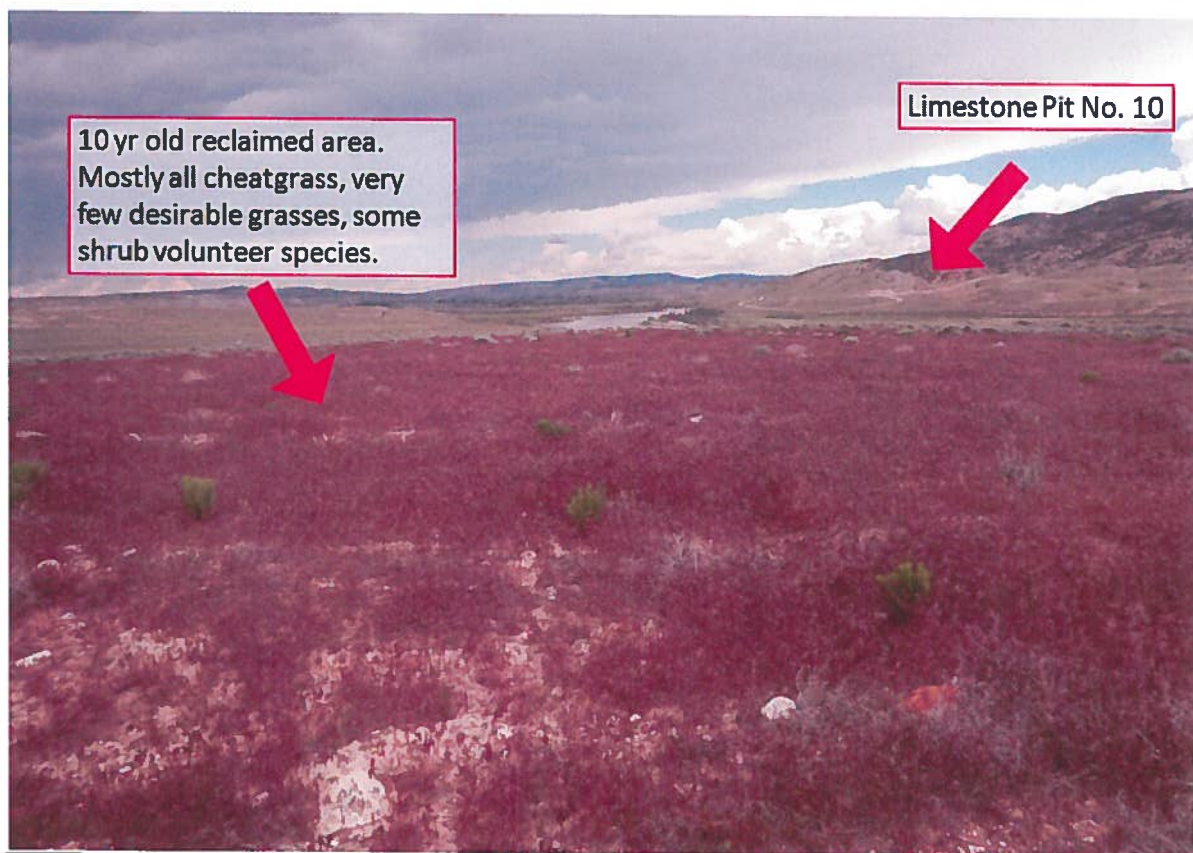
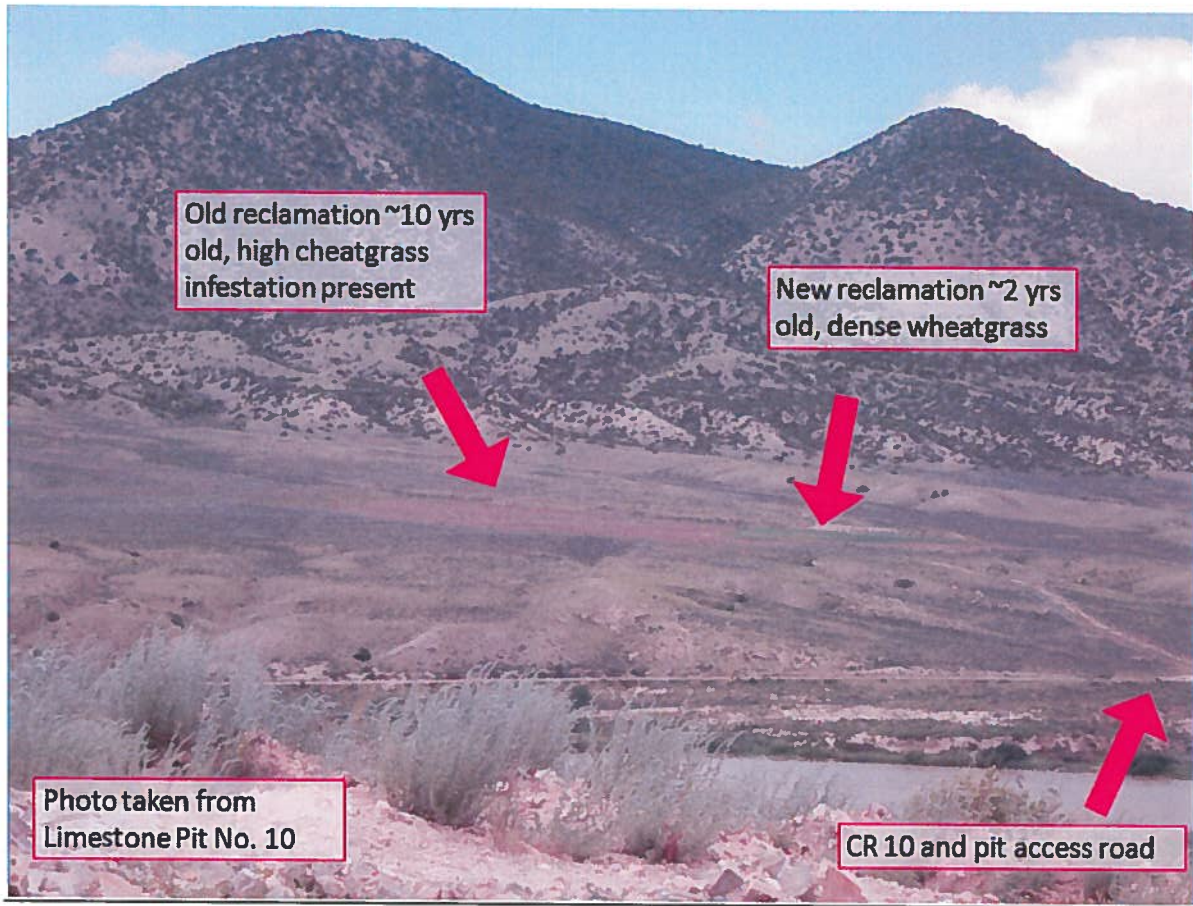
Please note that any of the previously mentioned suggestions will require a technical revision to your reclamation plan prior to implementation. These are meant to be recommendations to improve reclamation success and in no way are permit requirement unless a technical revision is made.

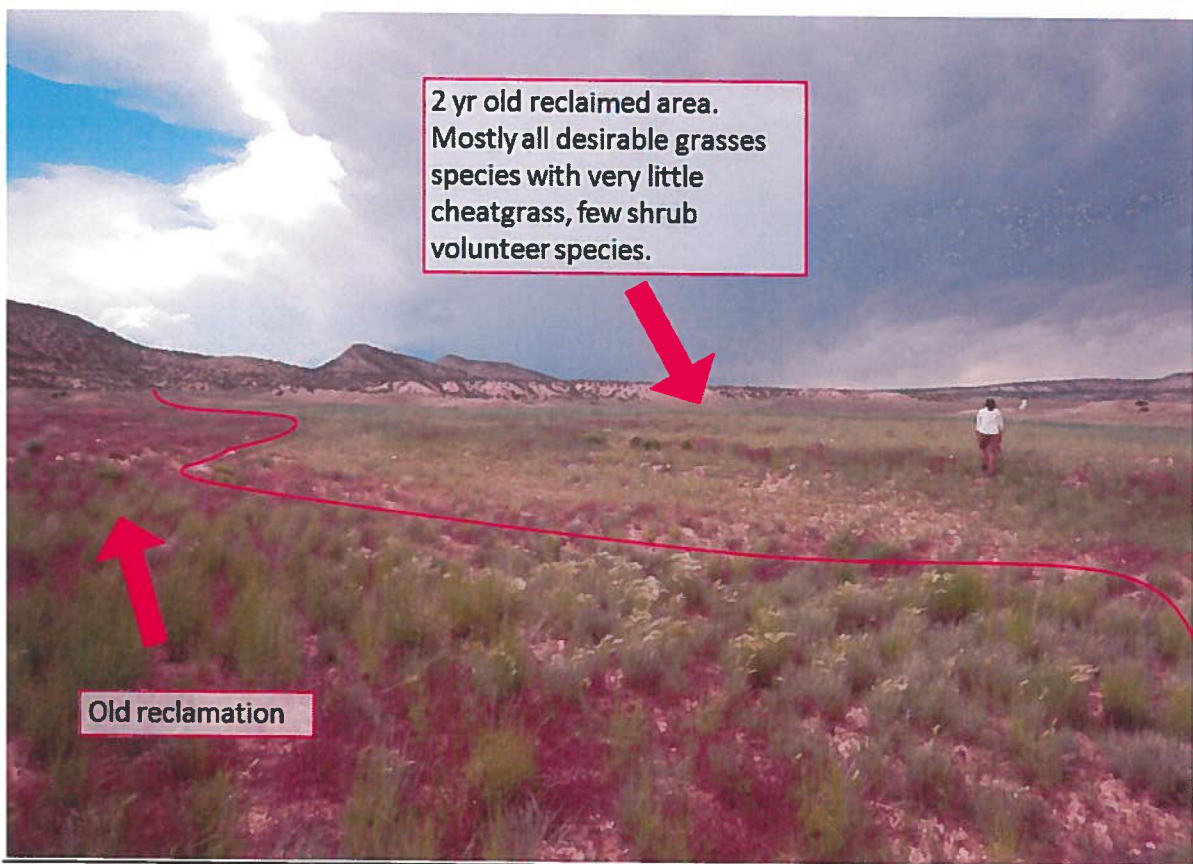
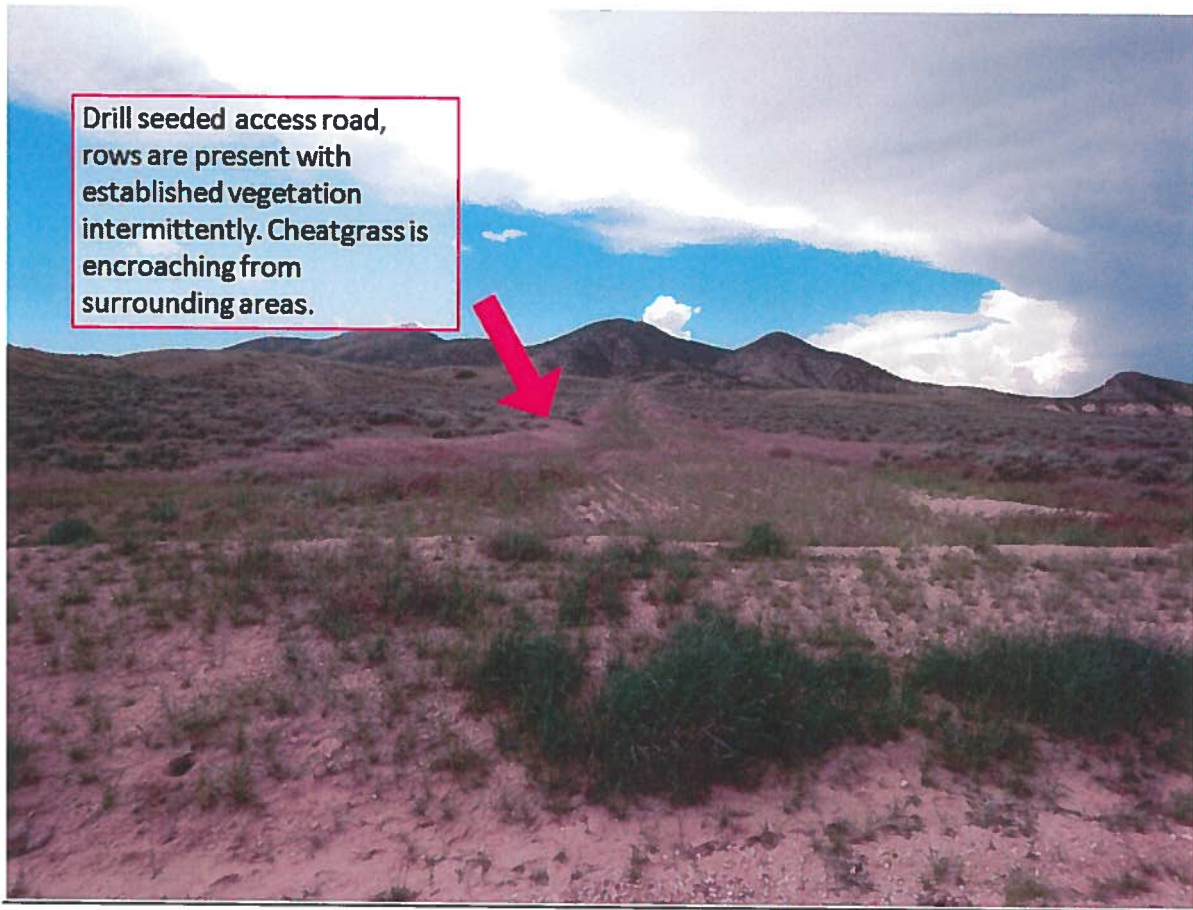
No problems or violations were noted during this inspection.

Responses to this inspection report should be directed to Amy Yeldell at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 1010 South 3rd Street, Room 301, Grand Junction, Colorado 81501, phone no. 970-254-8511.

PHOTOGRAPHS









Inspection Contact Address

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Enclosure

CC:
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