




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: Baculite Mesa Pit	MINE/PROSPECTING ID#: M-1997-011	MINERAL: Sand and Gravel	COUNTY: Pueblo
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: August 26, 2021	INSP. TIME: 09:00
OPERATOR: Baculite Mesa, LLC	OPERATOR REPRESENTATIVE: Steve O'Brian	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$60,000.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 9, 2021	

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>Y</u>	(RD) ROADS----- <u>Y</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>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>Y</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>Y</u>	(ST) STIPULATIONS----- <u>Y</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

The Baculite Mesa Pit was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was previously inspected by the Division on March 1, 2017 as part of the routine monitoring program. Steve O'Brian, accompanied me during the inspection. The weather was clear.

The Baculite Mesa Pit is a Construction Materials 112c Operation and is permitted at 1,970 acres, with all those acres identified as affected land and only 40 acres are approved to be disturbed at any one time. The pit is located on land owned by Baculite Mesa, LLC. The site is located approximately 3 miles northeast of Pueblo in Pueblo County and the mine entrance is on the east side of Baculite Mesa Road. Affected lands will be reclaimed to support a post-mining land use of rangeland. A mine sign was not posted at the mine entrance because it was in the process of being relocated but the mine sign was viewed.

The site was not actively being mined at the time of inspection, however, there was a front end loader loading various haul trucks with stockpiled material. The permit boundary was delineated around the active portion of the site with metal tee posts, marking the 30 foot offset, and property fence lines marking the permit boundary.

The disturbed area is approximately 38.9 acres according to the July 2021 annual report and map. The disturbed area consists of a single pit, approximately 30 to 40 feet deep. The permit is approved to have a highwall up to 1,500 feet long. The Division estimates the highwall to be near this length but not as a continuous highwall but several segments. Other side slopes of the pit have been graded to approximately 2H:1V or flatter. Various stockpiles of product are located at the toe of the western pit slope. Topsoil, approximately 28,500 cubic yards, has been stripped and is stockpiled along the western and southern sides of the pit.

The financial warranty was recalculated as part of this inspection. A copy of the Division's estimate will be sent to the operator for review under a separate cover letter.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at patrick.lennberg@state.co.us if you have any questions regarding this report.

Inspection Contact Address

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PHOTOGRAPHS

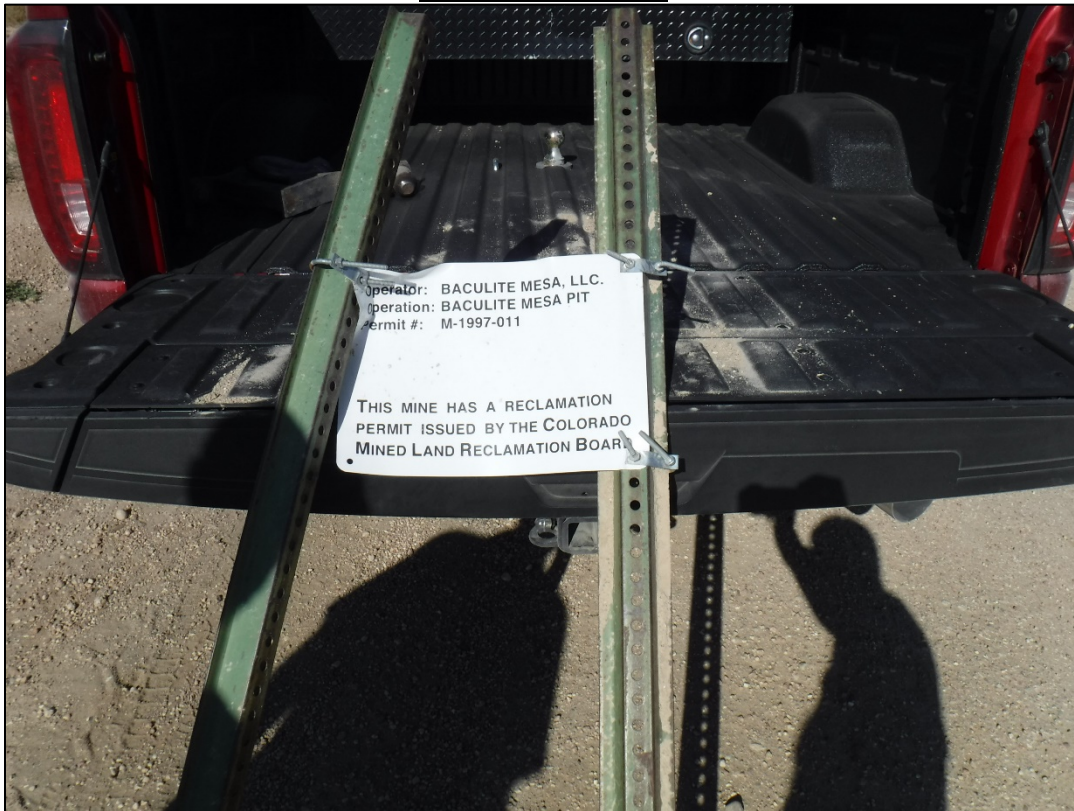


Photo 1: Mine sign to be placed at entrance to mine site



Photo 2: Primary mine entrance



Photo 3: Typical boundary markers, orange arrows are property/permit markers, yellow arrow is 30' offset



Photo 4: Salvaged growth medium/topsoil left portion of picture, orange arrow property/permit marker, yellow arrow is 30' offset boundary



Photo 5: Looking west from the east side of the pit area



Photo 6: Typical highwall configuration



Photo 7: Growth medium/topsoil along the west side of pit area



Photo 8: Highwall configuration near the southwestern corner of disturbed area, center background and right of picture the highwalls have been grade to 2V:1H or shallower



Photo 9: Looking northeast across the main pit area



Photo 10: Looking east across the southern pit area



Photo 11: Aerial photo of mine site provided by operator, photo was taken a week prior to inspection



Photo 12: Aerial photo of mine site from the Pueblo County Assesor's website