




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: Mundell Estate No. 32	MINE/PROSPECTING ID#: M-1995-019	MINERAL: Gravel	COUNTY: Baca
INSPECTION TYPE: Monitoring	INSPECTOR(S): Jared L. Ebert	INSP. DATE: May 14, 2019	INSP. TIME: 11:30
OPERATOR: Baca County	OPERATOR REPRESENTATIVE: Jason Freiburger and Danny Ausmus	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 21, 2019	

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>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>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <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 was a monitoring inspection of the Mundell Estate No. 32 pit, Colorado Division of Reclamation, Mining and Safety (DRMS or Division) permit number M-1995-019 operated by Baca County. I, Jared Ebert with DRMS conducted the inspection. Mr. Jason Freiburger and Danny Ausmus with Baca County accompanied me during the inspection.

This is a 40 acre 112c mining operation with an approved post-mine land use of rangeland.

Backfilling and Grading:

The site consists of a pit basin with an excavation within about a ten acre affected area. The Operator is pushing the mined material at a 4H:1V slope on the west side of the affected area. Steeper pit slopes exist on the southern and eastern boundary of the affected area and were generally noted to be set at the angle of repose.

Hydrologic Balance:

The pit was dry at the time of the inspection.

Gen. Compliance With Mine Plan:

Overall, the operation is in compliance with the approved mine plan. It appears mining has occurred at the site in various locations overtime both north and south of the current pit basin, however much of these areas have been graded to blend in well with the surrounding area and have native vegetation established. The Division estimates about ten acres of land is currently disturbed within the permit boundary.

Off-site Damage:

The current affected land appears to be within the permit boundary. However, the current pit excavation is really close to the western permit boundary. The corners of the permit boundary are marked with posts however these posts are difficult to see at the midpoint of the western boundary. Baca County is encouraged to place additional markers along the western permit boundary so off-site areas are not affected by the operation.

Reclamation Success:

Areas north and south of the current pit excavation appear to have been affected by previous mining activity. However, these areas appear to have been graded to blend in with the surrounding area and native vegetation has established within these areas.

Topsoil:

Topsoil is stockpiled north of the current pit excavation.

PHOTOGRAPHS



Figure 1. Yellow line indicates estimate of affected land.



Figure 2. From the northern portion of the affected land looking south.



Figure 3. From the northwest end of the affected land looking south.



Figure 4. From the west end of the affected land looking east.



Figure 5. From the south central portion of the affected land looking northeast.



Figure 6. From the south central portion of the affected land looking northeast.



Figure 7. From the south central portion of the affected land looking north.



Figure 8. From the south central portion of the affected land looking northwest.

Inspection Contact Address

Spike Ausmus
Baca County
311 Main St.
Two Buttes, CO 81073