


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: Spotted Burro Pit	MINE/PROSPECTING ID#: M-1979-192	MINERAL: Sand and gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: March 29, 2019	INSP. TIME: 09:25
OPERATOR: Rockbottom, LLC	OPERATOR REPRESENTATIVE: Andy & Becky Kagan	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$45,978.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Raining	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 24, 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>Y</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>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</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>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</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 inspection was conducted by Tim Cazier (DRMS) as part of the regular monitoring program. The Operator (Rockbottom, LLC) was represented by Mr. Andy Kagan who was present for the inspection. The Spotted Burro Pit site access road entrance is located off Fremont Co. Rd 132, approximately 0.75 miles east of Hwy 67 and about 1.6 miles north of US 50. This is a 112c gravel mine. The mine was active at the time of the inspection.

Availability of Records: Annual fees are paid through October 2018. The previous inspection was on February 19, 2015. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are privately owned. Previous inspection reports (subsequent to the conversion application {CN-01} approval in 2000) have indicated the maximum allowed affected area for the phased bonding is 9.9 acres. During the adequacy review for CN-01, it was clarified the maximum allowed affected area is 15 acres.

Backfilling and Grading: Sufficient backfill material appeared to be available.

Excess Spoil and Dev. Waste: Overburden piles were observed on the east side of the pit.

Financial Warranty: The bond has not been updated since the conversion to a 112c was approved by the DRMS in 2000. As such, the bond was revisited subsequent to this inspection. The concurrent reclamation efforts have reduced the otherwise reclamation liability (see attached **Cost Summary Worksheet**). The \$45,978 bond held by the DRMS is deemed adequate for the observed mine disturbance.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 14 acres, based on June 2017 imagery. Highwalls in the active area were near vertical and estimated to be 20 feet in height (see **Photo 1**) with an estimated length of 500 linear feet. The Operator utilizes available backfill material to flatten slopes to 3H:1V (see **Photo 2**) and seed them as part of the concurrent reclamation effort (see **Photo 3**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Processing Waste: Crusher fines are stockpiled and stored on the floor of the pit.

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite. Road side ditches were clean.

Reclamation Success: The southwest corner of the pit has been reclaimed (see **Photo 4**). The south side and southeast corner have been backfilled and portions covered with topsoil (see **Photo 2**).

Revegetation: The southwest corner of the pit has been revegetated (see **Photo 4**). No noxious weeds were observed.

Sediment Control: Some erosion rills were observed on the east slope where runoff from the east flows down

the highwall. The Operator should monitor this slope and effect repairs to prevent these rills from migrating off site to the east. No BMPs were needed at the time of the inspection.

Support Facilities On-site: Wheel loaders and dump trucks were observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 5**) and boundary markers (fences and berms) were observed to delineate the permit boundary (see **Photo 6** and **2**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater drains west of the pit and enters the new sediment pond (see **Photo 7**) on the southwest corner of the site.

Topsoil: Topsoil is pushed off the area to be excavated prior to mining (see **Photo 1**).

Structures: Two overhead power lines were observed within 200 feet of the affected area. One runs north-south through the center of the permit area, the other runs along the southern boundary.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Active highwall (north end, looking east).

PHOTOGRAPHS (cont.)



Photo 2. Highwalls flattened to 3H:1V (SE corner, looking north).



Photo 3. Reclaimed slopes (SW corner, looking east).

PHOTOGRAPHS (cont.)



Photo 4. Concurrent reclamation (south end, looking west).



Photo 5. Permit sign (at gate).

PHOTOGRAPHS (cont.)



Photo 6. Berm marking affected area boundary (west side, looking south).



Photo 7. New sediment pond (SW corner, looking west).

Inspection Contact Address

Andy & Becky Kagan
Rockbottom, LLC
555 Ernest Ave
Westcliffe, CO 81252

Enclosure - Cost Summary Worksheet

EC: DRMS file

COST SUMMARY WORKSHEET

Task description: Cost Summary

Site: Spotted Burro Pit

Permit Action: 2019 Update

Permit/Job#: M1979192

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 5/24/2019

County: Fremont

Filename: M192-000

User: TC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
003	Backfill Slope with Overburden (~500 L.F.)	SCRAPER1	1	11.07	\$6,654
005	Push Topsoil (~7.5 acres)	DOZER	1	26.44	\$4,155
006	Prep and seed site (15 Acres)	REVEGE	1	30.00	\$19,999
007	Mob/Demob	MOBILIZE	1	0.93	\$3,123
<u>SUBTOTALS:</u>				68.44	\$33,931

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$685

Performance bond: 1.05

Total = \$356

Job superintendent: 33.75

Total = \$2,465

Profit: 10.00

Total = \$3,393

TOTAL O & P = \$6,900

CONTRACT AMOUNT (direct + O & P) = \$40,831

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$1,735

Reclamation management and/or administration: 5.00

\$2,042

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$10,677

TOTAL BOND AMOUNT (direct + indirect) = \$44,608