



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.

MINE NAME: Phantom Canyon Pit	MINE/PROSPECTING ID#: M-1994-118	MINERAL: Gravel	COUNTY: Teller
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: June 11, 2018	INSP. TIME: 14:30
OPERATOR: Fremont County	OPERATOR REPRESENTATIVE: Sterling Rife	TYPE OF OPERATION: 110c - Construction Limited Impact	
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: November 7, 2018	

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>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>N</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>Y</u>	(RS) RECL PLAN/COMP-- <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</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 Permittee (Fremont County) was represented by Mr. Sterling Rife during the inspection. The Phantom Canyon Pit is accessed from the Phantom Canyon Road (Co Rd 86) approximately five miles south of Victor, in Teller County. This is a 110c gravel mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through August 2018. The previous inspection was on September 3, 2013. The approved post-mine land use is rangeland (per amendment 1). There are no open infractions. Both the surface and minerals are owned by the Colorado State Land Board.

Backfilling and Grading: Some backfill material was observed to be available.

Excess Spoil and Dev. Waste: No overburden piles were observed.

Explosives: Mr. Rife stated the County does not blast as part of their mining process. Given the nature of the rock, it may become necessary in the future, but the County would have to contract out the blasting.

Financial Warranty: As the site is permitted by the County, no bond is required.

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 slightly more than one acre, based on 2017 imagery. Highwalls were estimated to vary between 30 and 35 feet in height and appeared stable (see **Photos 1 and 2**). Highwall slopes were estimated to be at approximately 2.5:1V (see **Photos 3**).

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

Processing Waste: No processing waste was observed.

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

Reclamation Success: No reclamation has been initiated.

Revegetation: No revegetation has been initiated. No noxious weeds were observed.

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: No mining equipment was observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 4**) and boundary markers were observed to delineate the permit boundary (see **Photo 5**) with painted arrows in the pit area pointing in the direction of the T-post markers (see **Photo 6**).

Permit Stipulations: There are no open permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Stormwater drains to the pit, is contained by berms (see **Photo 7**) and infiltrates.

Topsoil: A topsoil stockpile was observed on the south end of the pit (uphill side) and labeled as such (see **Photo 8**).

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 (looking south).

PHOTOGRAPHS (cont.)



Photo 2. Active highwall (looking SW).



Photo 3. Active highwall (~2.5H:1V, looking east, note fence marking west boundary).

PHOTOGRAPHS (cont.)



Photo 4. Permit sign (at entrance).

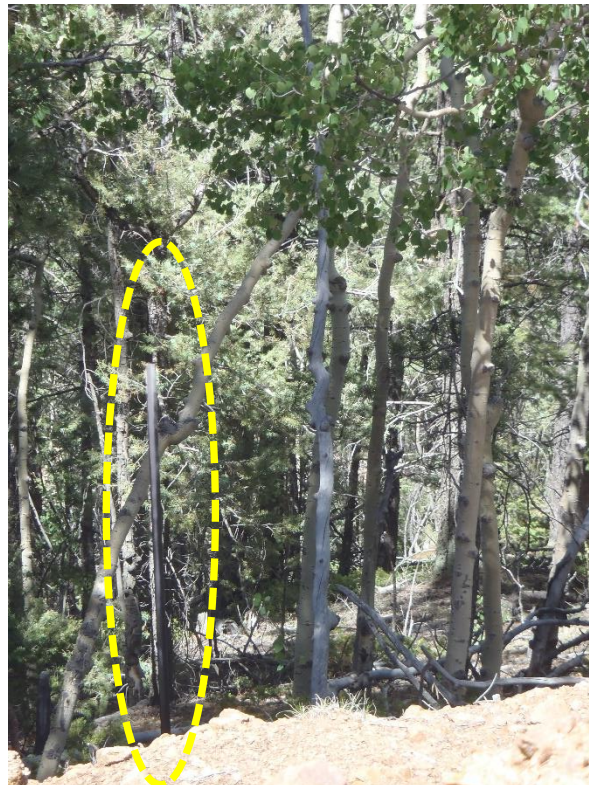


Photo 5. T-post, NE corner.

PHOTOGRAPHS (cont.)



Photo 6. Arrow on berm pointing towards boundary marker in Photo 5.



Photo 7. Berms acting to contain stormwater (north end, looking east).

PHOTOGRAPHS (cont.)



Photo 8. Topsoil stockpile with sign (looking south).

Inspection Contact Address

Sterling Rife
Fremont County
1170 Red Canyon Road
Cañon City, CO 81212

ec: DRMS file
Annette Ortega, Fremont County
Phil Courtney, SLB