




**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.

<b>MINE NAME:</b> Rifle Quarry	<b>MINE/PROSPECTING ID#:</b> M-1985-038	<b>MINERAL:</b> Limestone (general)	<b>COUNTY:</b> Garfield
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy C. Yeldell	<b>INSP. DATE:</b> April 13, 2016	<b>INSP. TIME:</b> 14:30
<b>OPERATOR:</b> Colorado Lien Company	<b>OPERATOR REPRESENTATIVE:</b> None	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Memo Of Understanding	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$53,640.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> U.S.BLM
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> April 20, 2016

**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>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>NA</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SW) STORM WATER MGT PLAN---- <u>Y</u>	(CI) 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>NA</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 as part of the Colorado Division of Reclamation, Mining and Safety (Division) normal monitoring program. The Division and Bureau of Land Management (BLM) were in the area from another inspection and used this as an opportunity to help new staff become acquainted with the site. There was no representative for Colorado Lien Company during the inspection. Jessica Lopez Pearce represented the Colorado River Valley Field Office BLM and accompanied Amy Yeldell of the Division on the inspection.

The Rifle Quarry is a 112c permitted site that consists of 1.65 acres. It is located approximately 25 miles northwest of Rifle and is accessed from Garfield County Road 292.

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.

The quarry is currently not active and the entire site is in final reclamation phase awaiting release. The operator is working with BLM to update their reclamation plan. Once approved additional reclamation measures will be implemented. The operator is reminded to submit a Technical Revision for any necessary changes to the DRMS reclamation plan resulting from updating their BLM permit. No equipment or fuel is stored on site.

The seeded access road remains a two track. Several branches had fallen which should hopefully denture additional traffic to the site. Upon final closure some additional seeding will be required. As well as placing a boulder or some other measure across the road to keep the public from using the reclaimed access road.

The eastern base of the quarry where the access road leads consists of a damn like wall 15'-20'. The slope is approximately 2:1 and is believed to be solid rip rap. From discussions with BLM they would like to see a more relaxed natural slope. However the eastern boundary may be too close to the toe of the slope to accomplish this. The DRMS reclamation plan currently doesn't not call for this slope to be seeded. It should help function as a sediment trap to keep any material washed from upslope from exiting the site. Significant sediment deposition will have to occur for the rip rap crevasses to fill up and material to be washed off site.

The bench the floor is a gradual incline where the center of the draw is the deepest and the majority of stormwater flows. The disturbed areas of this site are extremely rocky with little to no soil or organic material for establishment of plants. There has been some sedimentation through stormwater run-on however it has mostly occurred in the western released portions of the site. This deposition of soil has benefited the site and allowed for much more successful revegetation as compared to the rockier eastern portion.

The silt fence BMPs that were previously identified have been removed. Additional rocks have been placed. It appears that in the released areas these features have collected additional sediment since the last inspection.

Upon a second inspection staff noticed two closed portals. One of which is believed to be just northeast of the permit boundary. Both portals appear to have proper closure. No tags or marking were observed indicating by whom or when the closures occurred. One portal has a keyed lock and the other is a solid welded grate. These are believed to be the pre-law the disturbances that the initial pre-operation inspection identified.

No live weeds were observed. The operator is reminded to attentively monitor and treat all weeds to avoid successful reclamation from being delayed.

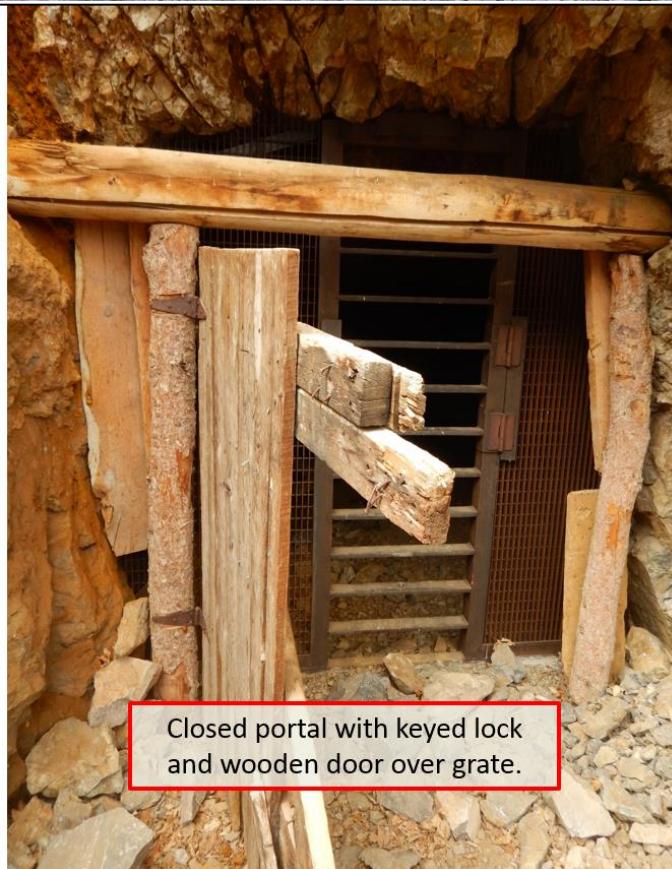
No problems or violations were noted during this inspection.

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

### **PHOTOGRAPHS**



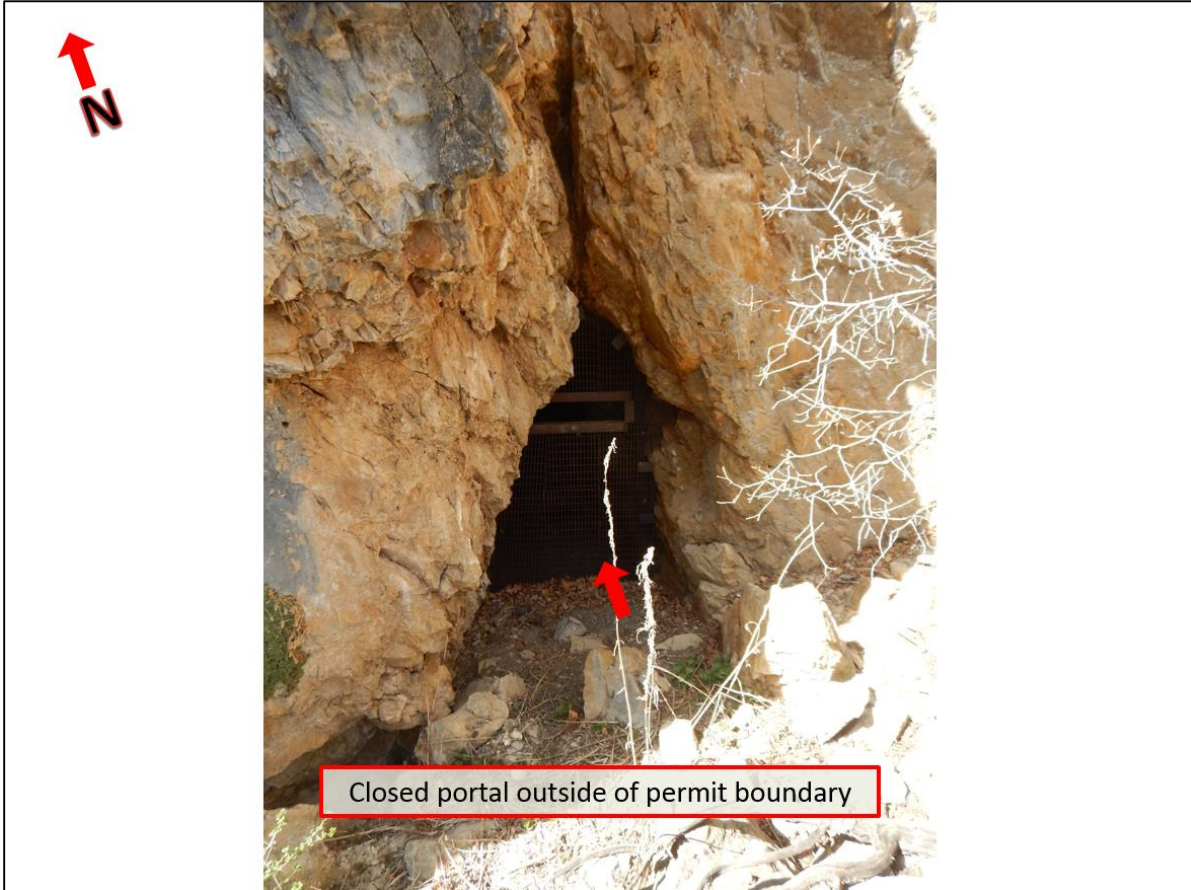












**Inspection Contact Address**

Enclosure

CC:

Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS

Jessica Lopez Pearce, Colorado River Valley Field Office BLM