




**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.

MINE NAME: Bachelor Syracuse Mine (Khedive Portal)	MINE/PROSPECTING ID#: M-1980-171	MINERAL: Silver and gold	COUNTY: Ouray
INSPECTION TYPE: Monitoring	INSPECTOR(S): Wallace H. Erickson	INSP. DATE: September 20, 2013	INSP. TIME: 15:00
OPERATOR: Bachelor Silver Mines Company	OPERATOR REPRESENTATIVE: None present	TYPE OF OPERATION: 110(2) - Hard Rock Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$6,536.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 23, 2013	

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>N</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>NA</u>	(SF) PROCESSING FACILITIES-----	<u>NA</u>	(TS) TOPSOIL-----	<u>NA</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>N</u>	(SP) STORM WATER MGT PLAN-----	<u>N</u>	(SB) COMPLETE INSP-----	<u>N</u>
(ES) OVERBURDEN/DEV. WASTE-----	<u>Y</u>	(SC) EROSION/SEDIMENTATION-----	<u>Y</u>	(RS) RECL PLAN/COMP-----	<u>Y</u>
(AT) ACID OR TOXIC MATERIALS-----	<u>Y</u>	(OD) OFF-SITE DAMAGE-----	<u>Y</u>	(ST) STIPULATIONS-----	<u>NA</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 occurred as part of the Division's routine monitoring program for permitted operations. The Bachelor Syracuse Mine (Khedive Portal) is approved for 2 acres affected lands. Affected lands include the historic Khedive Portal and its waste rock stockpile resulting from the original excavation of the adit, circa 1890's. Affected lands will be reclaimed to support wildlife habitat and recreation post-mining land use. The Division holds \$6,536 financial warranty. This report is accompanied by four photographs.

The permit was issued September 25, 1980. The portal and mine dump pre-dated the permit. Topsoil was not salvaged during the pre-law activities and is not available for reclamation purposes. The original plan was to relocate the mined materials, estimated at approximately 80,000 tons, to the Camp Bird Mill for metalurgical processing. The operation is not approved for on-site milling. Evidence of milling activity was not observed. Permit documents indicate approximately 25,000 tons were removed from the mine dump during 1980-1981. However, the removal activities ceased, leaving approximately 55,000 tons stockpiled on-site. On November 21, 2000, the Division approved TR-01, addressing reclamation of the approximate 55,000 tons of mined materials in place. Reclamation grading and revegetation efforts commenced shortly thereafter.

As shown in the enclosed photos, significant erosion control efforts have recently occurred within the channel of Dexter Creek, located immediately upstream of the permit boundary and extending through the southwest corner of the permit area. The erosion control efforts included the installation of concrete drop structures within the Dexter Creek channel and immediately downstream of the low water crossing of County Road 14.

Vegetative cover ranged from dense and diverse, for areas of the mine dump not recently disturbed, to sparse and emerging for areas of the mine dump graded in accordance with the plans approved through TR-01. For areas characterized as exhibiting sparse vegetative cover, there were numerous volunteer conifer and cottonwood seedlings emerging. The stockpiled materials may be too rocky to support grasses but will support trees and shrubs. The west-central portion of the affected lands contained dining tents, picnic tables and an outdoor cooking station for chuck wagon type dinners. A shed, located nearby the portal and shown on the recent annual report maps, was collapsed. The portal was marginally safeguarded by an improvised gate constructed of wire fencing materials. Portal discharge was estimated at 150 gallons per minute and appeared clear; no evidence of iron staining or metals precipitation was observed.

The primary use of the Khedive Portal has been to provide ventilation and secondary escapeway for the Syracuse Portal. The Syracuse Portal is permitted under a different permit, M-1980-170, also owned and controlled by Carl Dismant. During the late 1980's the Syracuse Portal was converted to a tourist mine. The Operator desires to maintain both of the DRMS permits is hopes of reactivating the mining operation.

Inspection Contact Address

Carl Dismant
Bachelor Silver Mines Company
325 5th St
Ouray, CO 81427

Enclosure: 4 photos

cc w/enclosure: Russ Means, DRMS GJFO

Bachelor Mine
(Khedive Portal)
M-1980-171
September 20, 2013



View of Dexter Creek, immediately adjacent to the permit area, and recently completed erosion control efforts conducted by Ouray County.

Bachelor Mine
(Khedive Portal)
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Dining tents, for sheltering tourist. Nearby the mine entrance a sign was posted, "The Outlaw Mountain Cookout, (970) 325-4014".

Bachelor Mine
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Collapsed shed

