



**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> Randy Shaw Pit	<b>MINE/PROSPECTING ID#:</b> M-1984-134	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Prowers
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy Eschberger	<b>INSP. DATE:</b> May 29, 2014	<b>INSP. TIME:</b> 14:00
<b>OPERATOR:</b> Prowers County	<b>OPERATOR REPRESENTATIVE:</b> Mark Dorenkamp	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> <i>Amy Eschberger</i>	<b>SIGNATURE DATE:</b> July 18, 2014

**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>Y</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(SB) COMPLETE INSP---- <u>Y</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>NA</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 was a normal monitoring inspection of the Randy Shaw Pit (File No. M-1984-134) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Mark Dorenkamp of Prowers County was present for the inspection. The site is located approximately 34 miles southeast of Lamar, Colorado in Prowers County, on land owned by Randy Shaw.

Access to the site is by gated entrance off of Co Rd 19. An existing range road runs southwest from Co Rd 19, entering the site from the northeast. A haul road approximately 500 feet long splits off this existing road and enters the north side of the pit. This haul road will be reclaimed to rangeland with the rest of the affected area.

At the time of inspection, it was clear and hot, and the ground was dry. A permit sign was posted at the entrance off Co Rd 19 (Photo 1). The affected area is enclosed by an agricultural fence. This is a 112c operation permitted for 1,920 acres which encompasses portions of four sections (13, 23, 24, and 27 in T27S, R45W of the 6th P.M.) along Two Butte Creek. This dry operation consists of mining old alluvial sand and gravel deposits left from flooding of the creek.

Current disturbance is limited to an area of approximately 9.9 acres or less in size, which is where this inspection was conducted. This mining area is located on the north bank of Two Butte Creek. The creek was dry during the inspection. Flow in the creek is restricted to runoffs from snowmelt and localized convective events. When the creek does hold water, it flows east/northeast, eventually discharging into the Arkansas River just south of Holly, Colorado.

The current disturbed area consists of a large, circular excavation where mining progressed westward (Photos 2-4). No highwalls remain. All slopes in the affected area have been graded to 3H:1V or flatter. Only a few small mounds of processed material remain along the northern and eastern boundaries of the affected area (Photo 5). No mining equipment was present during the inspection. Mr. Dorenkamp stated that the County has only been hauling off material from stockpiles intermittently for the past several years. A Technical Revision (TR-01) that allowed for intermittent operation of the site was approved on 02/25/2014.

Previous mining occurred in this part of the permit area under a 110c permit (Bernard Nine Pit) of the same permit number. The conversion application (CN-01) making this a 112c operation was approved on 06/05/1997. This previously disturbed area is located in the western portion of the site, and will be reclaimed to rangeland with the rest of the affected area.

Native grasses and shrubs have volunteered throughout the site. Mr. Dorenkamp mentioned that the landowner grazes his cattle on this land. Overall, this site appears to be stable, and the affected area appears to be well within the permit boundary. Because only 9.9 of the 1,920 permitted acres are allowed to be affected at any time, the Operator shall notify the Division if the operation is to move into other parts of the permit area. The currently affected acreage would need to be reclaimed before additional acreage is disturbed, unless a Technical Revision requesting more than 9.9 acres to be affected at any time is approved.

## **PHOTOGRAPHS**



**Photo 1.** View of permit sign posted at gated entrance to site off of Co Rd 19.



**Photo 2.** View looking west across northwestern portion of site. Note entrance of haul road at center.



**Photo 3.** View looking west into main pit area on western portion of site.





**Photo 4.** View looking south across central/eastern portion of site.



**Photo 5.** View looking southeast across eastern portion of site, showing small pile of processed material.

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#### Inspection Contact Address

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CC: Tom Kaldenbach, DRMS