



**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> Bohnen Pit	<b>MINE/PROSPECTING ID#:</b> M-1991-071	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Kit Carson
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Elliott R. Russell	<b>INSP. DATE:</b> May 13, 2014	<b>INSP. TIME:</b> 10:30
<b>OPERATOR:</b> Kit Carson County	<b>OPERATOR REPRESENTATIVE:</b> Dave Hornung	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	

<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>Elliott R. Russell</i>	<b>SIGNATURE DATE:</b> June 3, 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>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>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(SB) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</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**

The inspection was conducted by Elliott Russell of the Division of Reclamation, Mining and Safety (Division). Dave Hornung of Kit Carson County was present for the inspection. The Bohnen Pit is located approximately 3.5 miles north of Bethune, Colorado. The site is an active 110c operation with 9.9 acres permitted and the post-mining land use is rangeland. This inspection was carried out as a part of the Division's routine monitoring inspection program.

The Bohnen Pit is a gravel operation located just south of the other Bohnen Pit (M-1989-081), also operated by Kit Carson County. At 10:30, the Division and Mr. Hornung arrived at the mine entrance along County Road 40. At the time of the inspection it was warm and partly cloudy, and the ground was dry. The permit identification sign was posted at the entrance. The boundary corners were delineated by short rebar stakes.

No mining activities were occurring during the time of the inspection and no equipment was on site, though there was evidence of recent mining activities observed. There were various stockpiles of sorted material onsite and the topsoil pile was located in the southeast corner of the permit. This topsoil pile had no vegetation cover and had steep slopes. As per Rule 3.1.9(1), if topsoil is not replaced on a backfill area within a short time frame (Division policy is one year) vegetation cover or other means should be implemented so that the topsoil is protected from erosion.

On the northwest corner of the permit is a deep drainage between the access road and a ridge. This drainage showed signs of erosion and undercutting, but there was no evidence that mining related activities caused any surface flow down this drainage; these features appear to be natural. However, the drainage ravine in the southwest corner has the potential for surface runoff water from the mine site to cause erosion and possibly off-site impacts. It appears a small berm was once created to span across this drainage to keep any surface run-off water within the site, but now has a low spot in the berm which allows water to leave the site. The Division will require this berm to be recreated across this drainage to reduce the chance of any off-site impacts and violations of the Rules.

Photographs taken during the inspection are attached.

### **Inspection Contact Address**

Dave Hornung  
Kit Carson County  
P.O. Box 249  
Burlington, CO 80807

CC: Tom Kaldenbach; DRMS

**PHOTOGRAPHS**



Permit identification sign; looking east.



Topsoil stockpile (no vegetation cover), southeast boundary corner circled in red; looking northwest.



Active dig face and sorted stockpile; looking northeast.



Drainage in southwest portion of permit where the berm is needed; looking southwest (down the drainage).