




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: Bohnen Pit	MINE/PROSPECTING ID#: M-1991-071	MINERAL: Sand and gravel	COUNTY: Kit Carson
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott R. Russell	INSP. DATE: June 13, 2019	INSP. TIME: 10:50
OPERATOR: Kit Carson County	OPERATOR REPRESENTATIVE: Dave Hornung	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: NA	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: August 12, 2019	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected. 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>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</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>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

PROBLEMS/POSSIBLE VIOLATIONS

None observed during the inspection.

OBSERVATIONS

This inspection was conducted after the Division received a full release request (SL-01) on May 10, 2019. Elliott Russell, with the Division, conducted the inspection while Dave Hornung, representing the Operator, accompanied the inspection.

The Bohnen Pit is a 110c Operation and is approved to affect 9.9 acres of land. Affected lands will be reclaimed to support a rangeland post-mining land use. The site is located approximately 3.5 miles north of Bethune, Colorado. The main access to the Bohnen Pit is a 0.7 mile long road east of County Road 40, one-half mile north of County Road Y. This access crosses Landsman Creek and although dry at the time of the inspection, the Division and the Operator avoided the sandy crossing by accessing the site via a .75 mile long road north of Count Road Y, one mile east of County Road 40.

The site consists of a single excavated area at the transition between the flat agricultural lands to the east and the dry ephemeral drainage to the west. The excavation daylights to the west and southwest and has a backfilled/graded slope on the east. The site is in final reclamation.

Availability Of Records: The anniversary date of the permit is September 6th of each year. The 2018-2019 Annual Report, Map, and Fee was submitted and accepted on August 9, 2019. The previous inspection was on September 22, 2017. There are no open infractions. On May 13, 2019, after finding SL-01 complete, the Division notified the landowner, the Kit Carson County Commissions, and the Burlington Conservation District of the Operator's request to be released from reclamation responsibility. To date, the Division has not received any written comments nor objections to the full release request.

Sediment Control: No erosion problems were observed and no BMPs are needed at this time.

Signs and Markers: The permit sign was properly posted and boundary markers delineated the permit boundary.

Revegetation: The majority of the site is barren with some areas just now starting to establish with vegetation, however much of this vegetation appears to be annual weeds. The graded slopes in the eastern portion of the site is fairly established with grasses while the pit floor in the central and western portion is lacking adequate cover. No noxious weeds were observed during the inspection, but the Operator should monitor the site treat the annual weeds if they out compete or overcrowd the seeded reclamation grass mixture.

Reclamation Success: The site is in final reclamation but has not reached the necessary vegetative cover and species diversity to achieve the post-mining land use. The Division recommends the Operator monitor the site and reseed, if needed, this coming winter or the next spring. If the initial seeding and potential reseeding efforts fail, the Operator may need to import topsoil to the pit floor as it appears the small amount of replaced topsoil could be a limiting factor in achieving successful revegetation. **The Division cannot approve the SL-01 release request at this time due to the above mentioned issues.**

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8132**, or by email at elliott.russell@state.co.us.

PHOTOGRAPHS



Mine identification sign posted at the entrance to the site; looking east.



Pit floor; looking southwest.



Pit floor and eastern slope; looking northeast.



Site overview; looking northeast.



Annual weeds germinating on southeast portion of the site; looking southeast.

Inspection Contact Address

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