




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety 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: Kues Gravel Pit	MINE/PROSPECTING ID#: M-1983-187	MINERAL: Sand and gravel	COUNTY: Logan
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: June 5, 2019	INSP. TIME: 10:00
OPERATOR: Logan County	OPERATOR REPRESENTATIVE: Jeff Reeves	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: None	BOND AMOUNT: \$0.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 25, 2019	

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>N</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>N</u>	(RV) REVEGETATION---- <u>N</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>N</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

OBSERVATIONS

The Kues Gravel Pit was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected by the Division on March 9, 2016. Mr. Jeff Reeves with Logan County was present during the inspection. An inspection map based on the observations from this inspection is attached for reference.

The site is an 112c operation permitted for 86.82 acres with 50.5 acres of disturbance. The mine sign and boundary markers were observed as required by Rule 3.1.12. The site was active during the inspection with mining of the highwall with front-end loaders and removal of material from the site by haul trucks. The active highwall was estimated at fourteen (14) in height at a 1H:1V grade. The pit floor contained several areas of ponding water due to recent rain events. The required 25 feet offset from the powerline, CR 67 and the fences were maintained by the Operator.

The approved post-mining land use is rangeland. The northeast and eastern portions of the site have been reclaimed by grading to the approved 3H:1V slope and revegetated with the approved seed mixture. The areas were stable and reclamation vegetation was establishing well. The southeast corner of the site was recently graded and topsoiled by the Operator. Topsoil stockpiles were observed along the southern boundary and in the northeast section of the pit floor. The stockpiles were stable, however they were poorly vegetated by annual weeds. The Division recommends the stockpiles are seeded with the approved reclamation seed mixture to prevent erosion of the stockpiles. The mined area north of the topsoil stockpile located along the southern boundary had been rough graded by the Operator.

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 x 8124, or by email at peter.hays@state.co.us.

Inspection Contact Address

Jeff Reeves
Logan County
12603 CR 33
Sterling, CO 80751

Enclosure – Inspection Map

Ec: Michael Cunningham, DRMS

PHOTOGRAPHS



Kues Pit mine sign



View of site from the northeast corner looking southwest



View of site from above the highwall looking southeast





View of site from above the highwall looking east

Logan County - Kues Pit

M-1983-187

June 5, 2019 Inspection Map

Legend

-  Active Highwall Location
-  Kues Permit Boundary
-  Logan Co - Kues Pit
-  Older Reclaimed Slopes
-  Recently Graded and Topsoiled Area
-  Topsoil Stockpile

67

 Logan Co - Kues Pit

Google Earth

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1000 ft