




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: Well Field Pit	MINE/PROSPECTING ID#: M-1984-154	MINERAL: Sand and gravel	COUNTY: Prowers
INSPECTION TYPE: Surety Release Inspection	INSPECTOR(S): Ursula Armstrong, Amy Eschberger	INSP. DATE: September 24, 2024	INSP. TIME: 1:21 pm
OPERATOR: City of Lamar	OPERATOR REPRESENTATIVE: Patrick Mason, Michael Machone	TYPE OF OPERATION: 110 - Construction Limited Impact	

REASON FOR INSPECTION: Surety Release Requested	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: October 1, 2024

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>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</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

OBSERVATIONS

This was a surety release inspection of the Well Field Pit (Permit No. M-1984-154) conducted by Ursula Armstrong and Amy Eschberger of the Division of Reclamation, Mining and Safety (Division) in response to a Full Release Request (SL-2) filed with our office on August 2, 2024. The public comment period for SL-2 closed on August 17, 2024. During this period, the Division received no comments. The operator was represented by Patrick Mason and Michael Machone during the inspection. The site is located approximately 3.5 miles southeast of Lamar, CO in Prowers County, just east of County Road 9 5/10 on municipally owned land. Access to the site is via an existing road off County Road 9 5/10. **Photos 1-8** taken during the inspection are included with this report.

This is a 110c operation permitted for 9.9 acres to mine sand and gravel in an area that was mined by the City of Lamar (pre-law). The mining activities that occurred were to expand an existing recharge pond which is used for the City's water well system. The permit boundary includes only a portion of the recharge pond, consisting mainly of its western shoreline. The recharge pond is filled with water from the Fort Bent Canal during late summer months. The water infiltrates the ground, recharging the local water well system. The site was to be mined approximately 20 feet deep in three mining phases, proceeding in a north to south direction, and expanding the pond westward in each phase. Mined material was stockpiled along the western edge of the permit area.

According to annual reports submitted by the operator, mining activities were completed at the site in 2010. The approved post-mining land use for the site is a combination of rangeland and a recharge pond for the City's water well system. All disturbed lands above the expected water line of the recharge pond are graded to 3H:1V or flatter, retopsoiled at a depth of one foot, and revegetated with a native grass seed mixture (consisting of Sideoats grama, Blue grama, and Western wheatgrass). The haul road that enters the site from the north and runs along the perimeter of the recharge pond will remain for use by the City.

At the time of the inspection, the weather was clear and sunny, with dry ground conditions. A mine identification sign was located at the entrance of the site. Permit boundary markers were delineated with large white poles, with the southeastern pole being below the pond water level. The recharge pond was holding water during the inspection. All stockpiles have been removed from the site or used for reclamation of the site. All disturbed land has been graded to the approved final slope configuration of 3H:1V or flatter. There was minor erosional rilling observed on the northern embankment of the pond, but the vegetation and slope was not affected. No major erosional features were observed along the reclaimed embankments of the pond or along other portions of the site.

Vegetation throughout the site was well established up to the water line of the pond. Noxious weeds were not encountered during the inspection. The Division observed the pond slopes to have a good establishment of native grasses, and the operator has conducted regular weed control at the site. During the inspection, the Division observed some weeds present in the disturbed area, particularly kochia, but these weeds did not appear to be hindering the growth of the desired vegetation. The site appeared to be stable with 3H:1V or flatter slopes and a good vegetative cover that blends well with the surrounding rangeland.

After conducting this inspection, the Division determined the site has been reclaimed in accordance with the approved reclamation plan, and SL-2 was approved on October 2, 2024. However, the Division must wait 30 days after the decision date for the appeal period to end prior to sending the formal approval letter and warranties to the operator.

This concludes the report.

Any questions or comments regarding this inspection report should be forwarded to Ursula Armstrong at the Colorado Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, via telephone at 720-793-3031, or via email at ursula.armstrong@state.co.us.

PHOTOGRAPHS



Photo 1. Mine identification sign located at entrance of the site.



Photo 2. View looking east at the northern portion of the permit area showing slopes graded 3H:1V or flatter with good vegetative cover.



Photo 3. View looking northeast at the northern embankment, showing slopes graded 3H:1V or flatter with good vegetative cover. Minor erosional rilling observed in the central area.



Photo 4. View looking south across the northwestern portion of the permit area, showing slopes graded 3H:1V or flatter with good vegetative cover.



Photo 5. View looking east across central portion of permit area, showing slopes graded 3H:1V or flatter with good vegetative cover.



Photo 6. View looking south across western portion of permit area, showing slopes graded 3H:1V or flatter with good vegetative cover.



Photo 7. View looking north across permit area, showing slopes graded 3H:1V or flatter with good vegetative cover.



Photo 8. View looking north across permit area, showing slopes graded 3H:1V or flatter with good vegetative cover. Note white pole marking southwestern corner of permit boundary.

Inspection Contact Address

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CC: Michael Machone, City of Lamar
Amy Eschberger, DRMS