




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: Rother Pit #2	MINE/PROSPECTING ID#: M-2019-036	MINERAL: Sand and gravel	COUNTY: Cheyenne
INSPECTION TYPE: Surety Release Inspection	INSPECTOR(S): Timothy Cazier, P.E.	INSP. DATE: December 8, 2020	INSP. TIME: 10:00
OPERATOR: Cheyenne County	OPERATOR REPRESENTATIVE: Jim Brown	TYPE OF OPERATION: 110c - 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: December 9, 2020	

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>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</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>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

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

OBSERVATIONS

This inspection was conducted by Tim Cazier (DRMS) as part of a surety reduction request. The Permittee (Cheyenne County) was represented by Mr. Jim Brown during the inspection. The Rother Pit #2 is accessed from Co Rd 53 approximately 0.2 miles south of the intersection with Co Rd D, roughly 14 miles SE of Cheyenne Wells. This is a 110c sand and gravel mine. It was not operating at the time of the inspection.

The site was observed to not yet meet the following standards approved in the reclamation plan.

Backfilling and Grading:

Grading has not been completed. Although some grading has been completed on the SE corner of the pit (see **Photo 1**), most highwalls observed during the June inspection remain (see **Photo 2**). Post mine gradients will be no steeper than 3H:1V [*Reference: 2019 Reclamation Plan*]. Mr. Brown pointed out a material stockpile that will be used by the County (see **Photo 3**). This will need to be removed or used as backfill prior to spreading the topsoil.

Revegetation:

Vegetation has not been seeded or established in the affected area (see **Photo 1**). I advised Mr. Brown the DRMS prefers to see the result of the seeding effort after at least two growing seasons to be assured the perennial cover is being established prior to release. The Natural Resource Conservation Service recommended the following seed mixture which was approved by the DRMS:

<u>Variety</u>	<u>Species</u>	<u>PLS/Acre*</u>
Western Wheatgrass	Arriba	16
Little Bluestem	Cimarron, Pastura	7
Blue Grama	Hachita, Lovington	3
Sideoats Grama	El Reno, Niner, Vaughn	9
Yellow Sweetclover	N/A	7

* Seed Drill rates (rates to be doubled if broadcast seeding)

Signs and Markers:

The permit sign was properly posted (see **Photo 4**) and should remain at the site entrance until the DRMS releases the site from reclamation responsibility.

Topsoil:

The topsoil stockpile on the north side of the pit (see **Photo 5**) has not been spread, and should not until final slope grading has been completed. A minimum of 12 inches of topsoil (plant growth medium) was proposed in the original Exhibit D, Reclamation Plan and approved by the DRMS for this site.

Summary:

The DRMS will deny the request for a surety release based on the observations summarized above.

Please contact Tim Cazier (303)328-5229 [mobile] or email at tim.cazier@state.co.us if you have any questions regarding this report

PHOTOGRAPHS

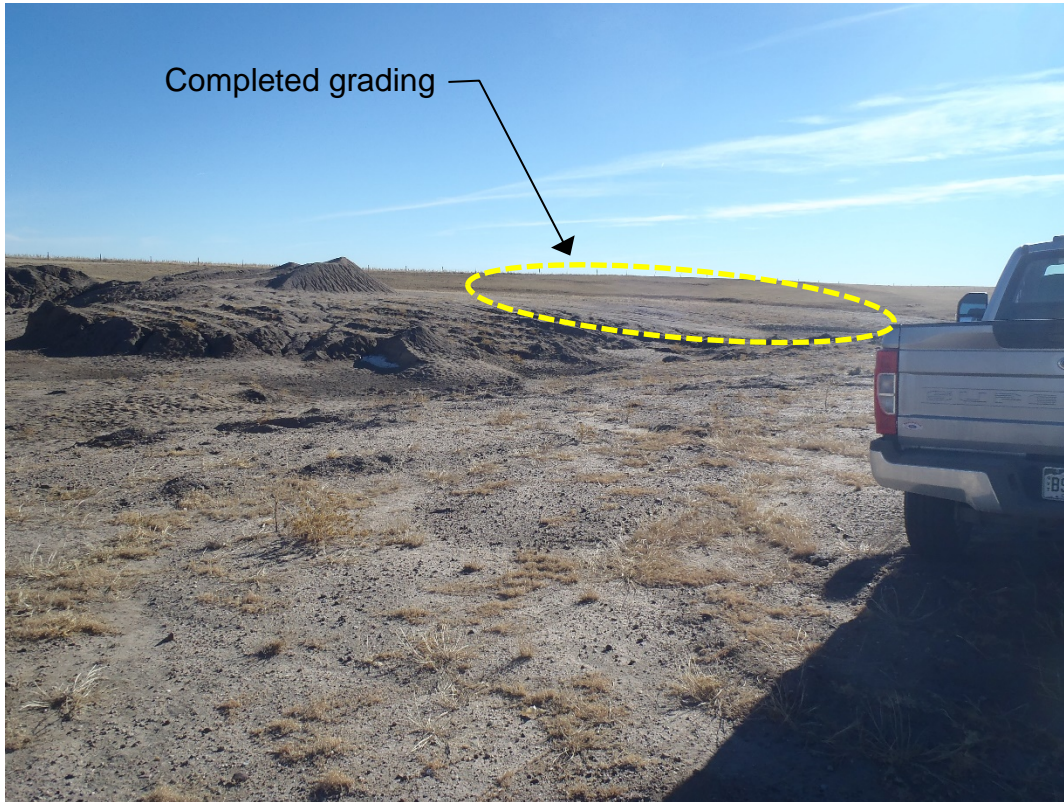


Photo 1. Grading on SE corner and lack of established vegetation (looking SE).

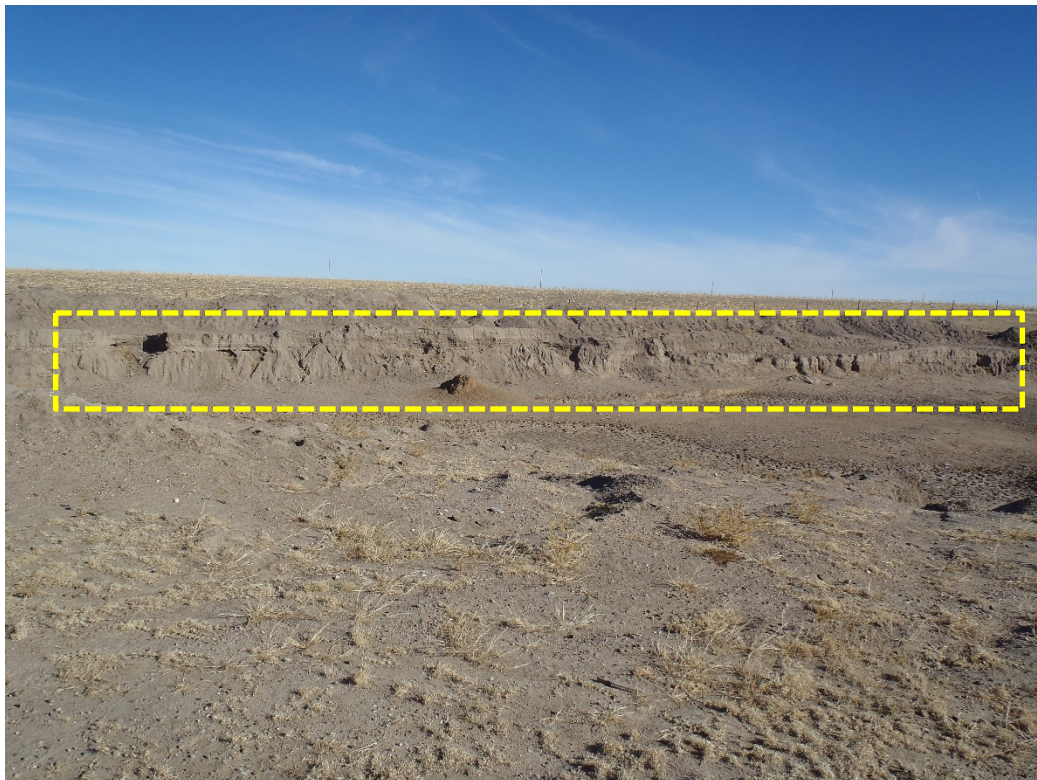


Photo 2. Highwalls remaining (looking NE).

PHOTOGRAPHS (cont.)

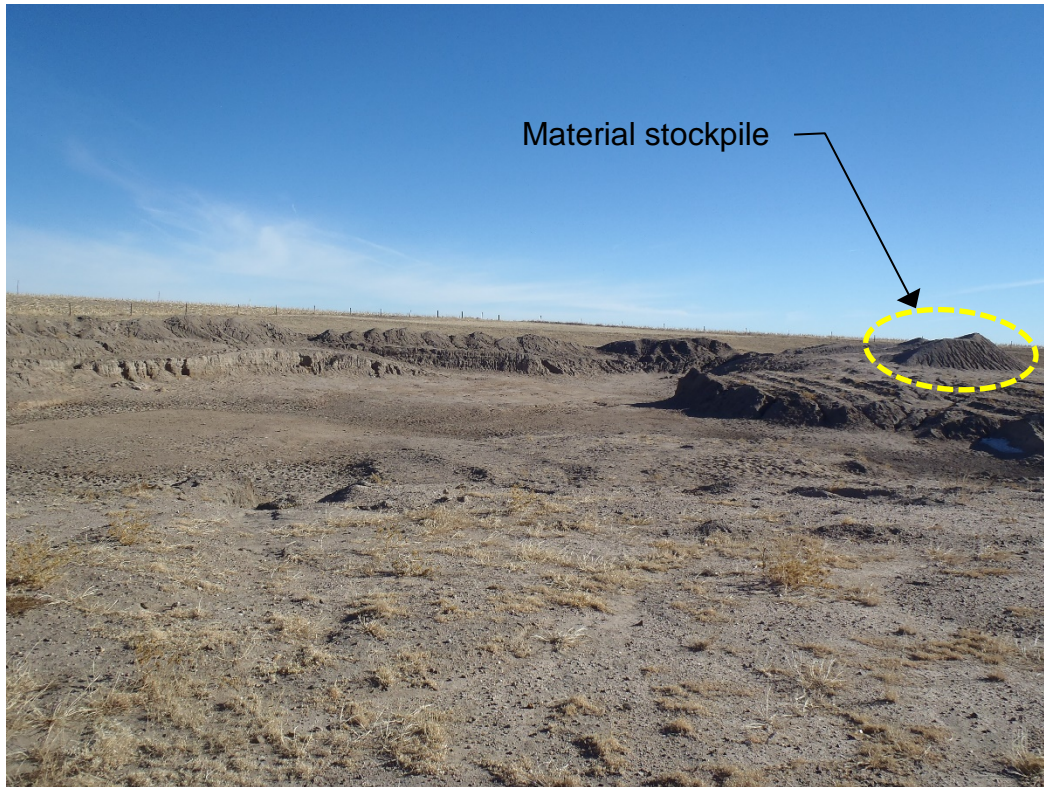


Photo 3. Material stockpile and incomplete grading in pit area (looking ESE).



Photo 4. Permit sign at entrance (looking east).

PHOTOGRAPHS (cont.)



Photo 5. Topsoil (growth medium) stockpile on north end of pit (looking north).

Inspection Contact Address

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ec: DRMS file