




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: Arthur L Schmeiser	MINE/PROSPECTING ID#: M-1985-109	MINERAL: Sand and gravel	COUNTY: Lincoln
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: November 8, 2018	INSP. TIME: 13:30
OPERATOR: Lincoln County	OPERATOR REPRESENTATIVE: Fred Lundy and Rick Ashcraft	TYPE OF OPERATION: 110c - Construction Limited Impact	
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: Windy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 13, 2018	

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>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</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>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

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

OBSERVATIONS

This was an inspection of the Arthur L. Schmeiser Pit, Division of Reclamation, Mining and Safety (DRMS or Division) permit number M-1985-109, operated by Lincoln County. I, Patrick Lennberg along with Tim Cazier with DRMS conducted the inspection. Fred Lundy and Rick Ashcraft with Lincoln County accompanied us during the inspection. The site was not active during the time of inspection. The site is located approximately 9.5 miles east of Rush and 14 miles west of Punkin Center. Historically, the site was accessed through a private residence off of Co Rd 2a. However, during this inspection we accessed the pit 0.3 miles west through a gated pasture. While this road was used during this inspection the operator should be aware that existing roads which are not substantially upgraded do not need to be included within the permit boundary. New roads must be included through an Amendment or Conversion. A map depicting the access points is provided at the end of this report. The land is owned by DiSanti High Plains Land & Cattle, LLC and is leased through an agreement that expires in 2020. The weather was mostly sunny, windy and cold.

Availability Of Records:

The Schmeiser Pit is a 110c operation, permitted for 3.2 acres, to mine sand and gravel for road maintenance. The approved post-mining land use of pastureland. Annual fees are paid through July 2018.

General Compliance with Mine Plan:

Mining has been conducted within the permit boundary. All permit boundary markers, green T-posts, are clearly visible along perimeter of the site. The mine permit sign is visible at the entrance used off of Co Rd 2a (**Photo 1**) and is also present at the historic entrance to the pit. Due to uncertain access agreements an alternate route to the pit was used. After the inspection it was determined the access agreement was current and in place.

Backfilling and Grading:

Currently, approximately three acres have been disturbed by the operation, including an open pit with a mainly south-facing highwall and areas in the southern portion of the site where stockpiles were once stored. All stockpiles have been removed from the site or used for reclamation. The highwall is approximately 425-450 feet in length, with an average height of 10- 12 feet, and slope gradients of approximately 3H: 1V to 4H: 1 V. It should be noted that the top of the highwall is within several feet of the northern permit boundary.

Topsoil:

There does not appear to be any stockpiles of topsoil that remain at the site. If additional topsoil is needed for reclamation purposes it may have to be imported. If topsoil is imported the operator should be aware that soil testing may be required to certify its suitability.

Hydrologic Balance:

There was a small area that was noted that appeared to have ponded water from the recent precipitation but was dry at the time of inspection.

Revegetation:

The operator has worked in the past to establish the approved grass mixture but vegetation establishment has proven to be difficult during the recent drought years. There are some bare areas along the slopes. The slopes have well established erosion rills and the site is not fenced off from grazing in the area. The Division

recommends the operator recontour the slopes to eliminate the rills and create a horizontal furrow mid-slope to help revegetation and reclamation. This, along with erecting a fence around the pit area was discussed in the field with operator. During this discussion the operator mentioned that they might want to expand the pit if suitable material was present and the land owner agreed. If the pit were to be expanded an amendment would be required to expand the permit boundaries.

Sediment Control:

All erosion sediments were adequately contained with mine pit floor.

Financial Warranty:

As this site is permitted by Lincoln County, there is no bond required.

Roads:

All the roads leading to the pit are overgrown with vegetation.

Permit Stipulations:

There are no permit stipulations at this time.

As indicated above the operator is considering if they want to expand and re-open the pit or begin final reclamation activities. If the operator wants to expand they will have to get an amendment and/or conversion application depending on the degree of expansion because the current permit boundaries will not accommodate additional mining activities. If reclamation is decided the operator should reference the approved revegetation plan recommended by the Soil Conservation Service that is part of the permit file.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at patrick.lennberg@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1: Mine permit sign



Photo2: Erosion rills and bare areas on slopes and area of ponding during precipitation, center.



Photo 3: Southwest boundary marker.



Photo 4: Looking east at the side slopes on the eastern wall of the pit.



Photo 5: Looking east at the side slopes on the eastern wall of the pit.



Photo 6: Looking southwest at the side slopes on the western wall of the pit.



Photo 7: Looking west at the side slopes on the western wall of the pit.

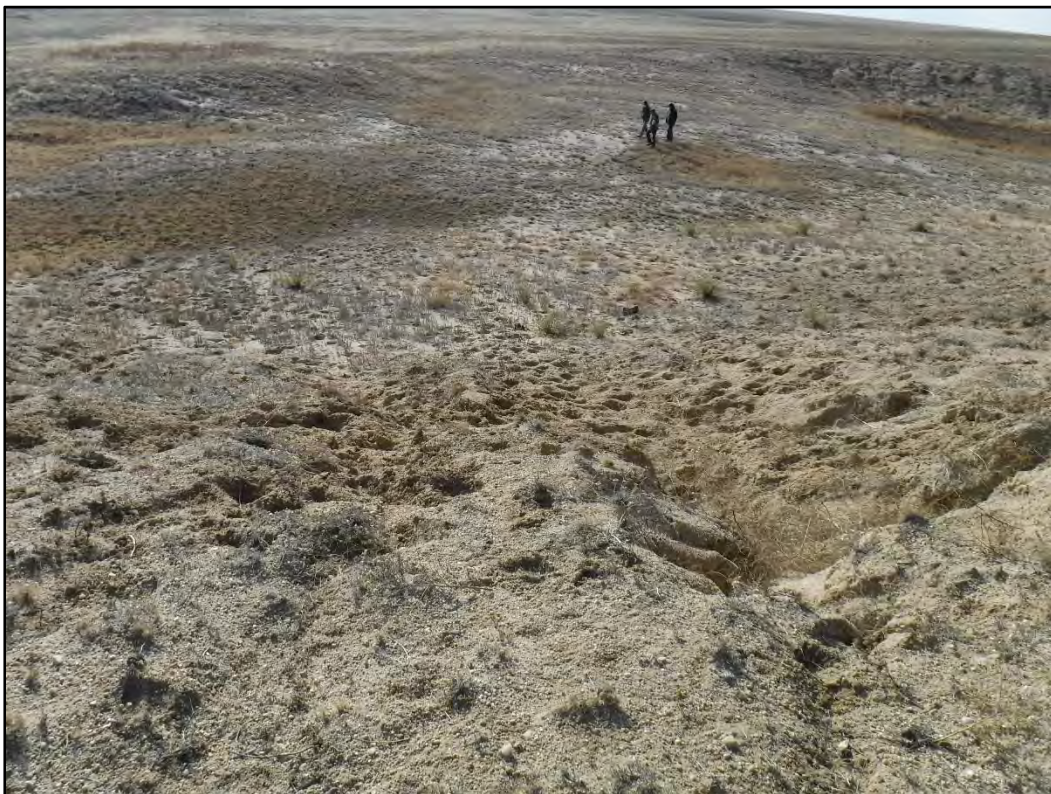


Photo 8: Typical erosion rills along the side slopes.

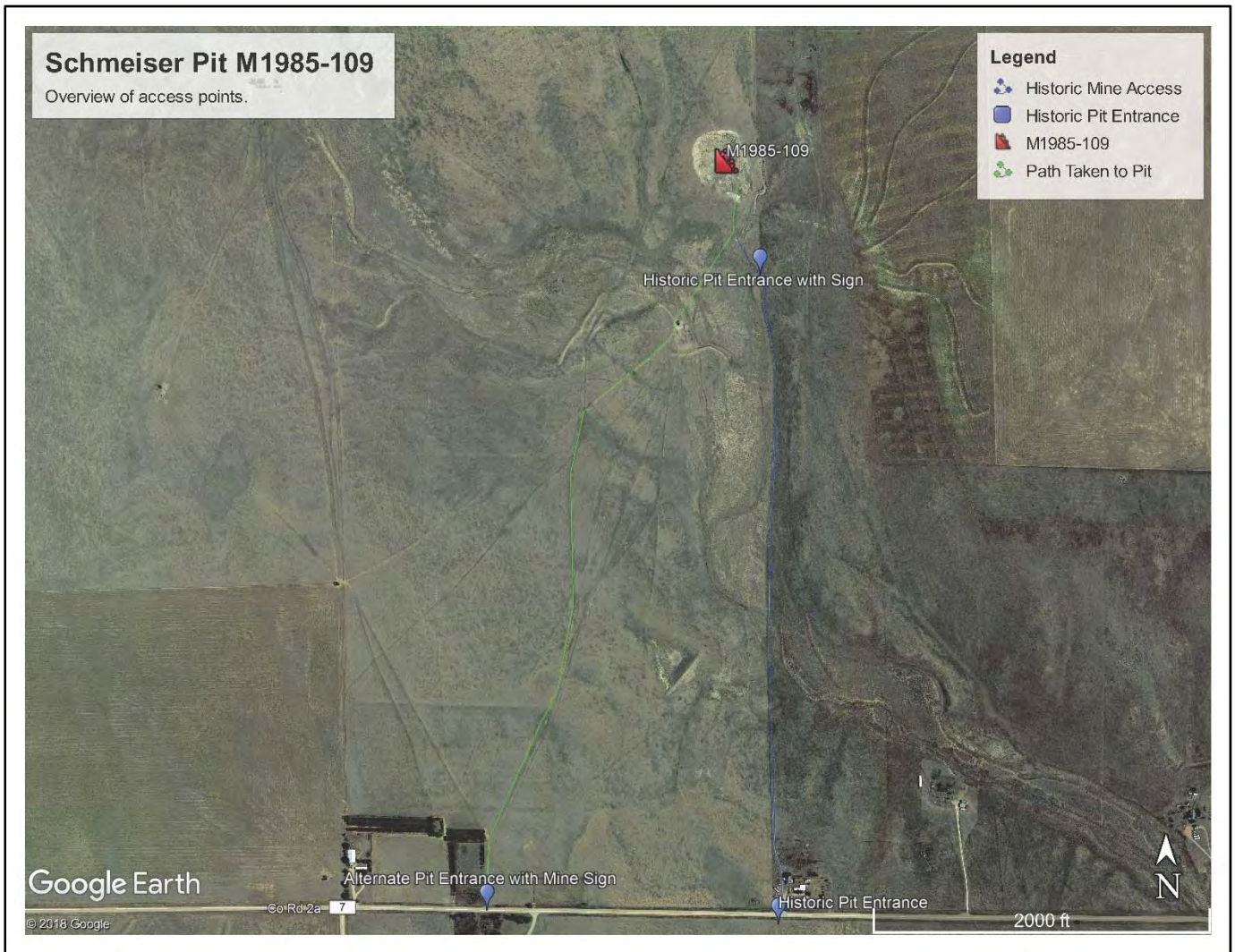


Photo 9: Image showing two routes into the site.

Inspection Contact Address

Fred Lundy and Rick Ashcraft
Lincoln County
P.O. Box 39
Hugo, CO 80821

EC: Michael Cunningham, DRMS
DRMS File