




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: Dougherty Pit	MINE/PROSPECTING ID#: M-1978-079	MINERAL: Sand and gravel	COUNTY: Lincoln
INSPECTION TYPE: Monitoring	INSPECTOR(S): Patrick Lennberg	INSP. DATE: October 11, 2019	INSP. TIME: 10:30
OPERATOR: Lincoln County	OPERATOR REPRESENTATIVE: Fred Lundy	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: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 16, 2019

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Sign

PROBLEM/POSSIBLE VIOLATION: The mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Section 3.1.12(1) of the rule.

CORRECTIVE ACTIONS: The operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

CORRECTIVE ACTION DUE DATE: 11/14/19

OBSERVATIONS

The Dougherty Pit was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's routine monitoring inspection program. The site was previously inspected by the Division on August 27, 2015 during a routine inspection. Fred Lundy with Lincoln County accompanied me during the inspection. The weather was warm, and the sky was clear.

The Dougherty Pit is located approximately 8 miles south of Karval, Colorado. Access to the site is off of Co Rd J. The affected land is owned by Judd and Janet Kravig and is leased to Lincoln County through 2025. The pit is a 110c operation permitted for 9.9 acres for the removal of sand and gravel for county road maintenance and repair. The site is surrounded by rangeland and the post-mining land use is rangeland. A mine sign was not observed as required by Rule 3.1.12 and is being cited as a problem within this report. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

The site was not active at the time of inspection although the pit is reported to be used at least once a year. A small screen was seen onsite and there were grouser marks on the pit floor that appear to be recent. The mine disturbance consists of a bowl-shaped pit that is approximately 20 feet deep with mined wall slope gradients of mainly 3H:1V or flatter, a few topsoil stockpiles are stored northwest and east of the pit, a small stockpile of mined material is on the pit floor, and a short haul road. The earlier mined northwestern portion of the site has slope gradients of 4H:1V. The topsoil stockpiles appeared to be stable with vegetative cover. There is some erosion of the pit walls, however, eroded material is not leaving the site or affecting reclaimed areas. The current disturbance area is estimated to be approximately 7 acres. As the pit moves eastward it is encroaching upon the permit boundary estimated to be 150 feet.

The approved reclamation plan calls for grading all mined slopes to 3H:1V or flatter, replacing any salvaged overburden and an average of 6 inches of topsoil on disturbed areas, and revegetating the site to rangeland. The dirt access road included in the permit area will be reclaimed.

All the permit boundary markers are in place and the Division was able to collect GPS coordinates of them.

The Division currently holds no financial warranty because it is a county operation.

Photographs taken during the inspection are attached.

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.

Inspection Contact Address

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

cc: Jared Ebert, DRMS

PHOTOGRAPHS



Photo 1: Typical permit boundary marker, NW marker looking south



Photo 2: NW marker looking east

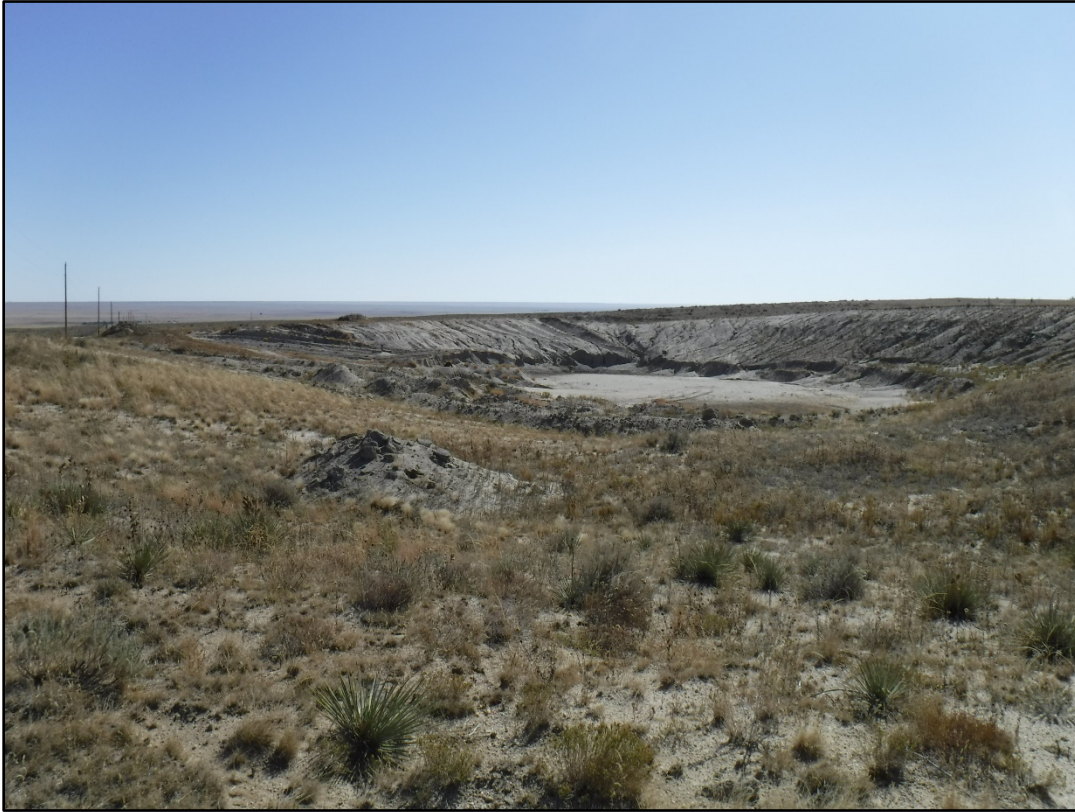


Photo 3: NW marker looking southeast across the mining area



Photo 4: Looking north northwest from the SW extent of disturbed area



Photo 5: Looking NE from the SW extent of disturbed area across the active pit area

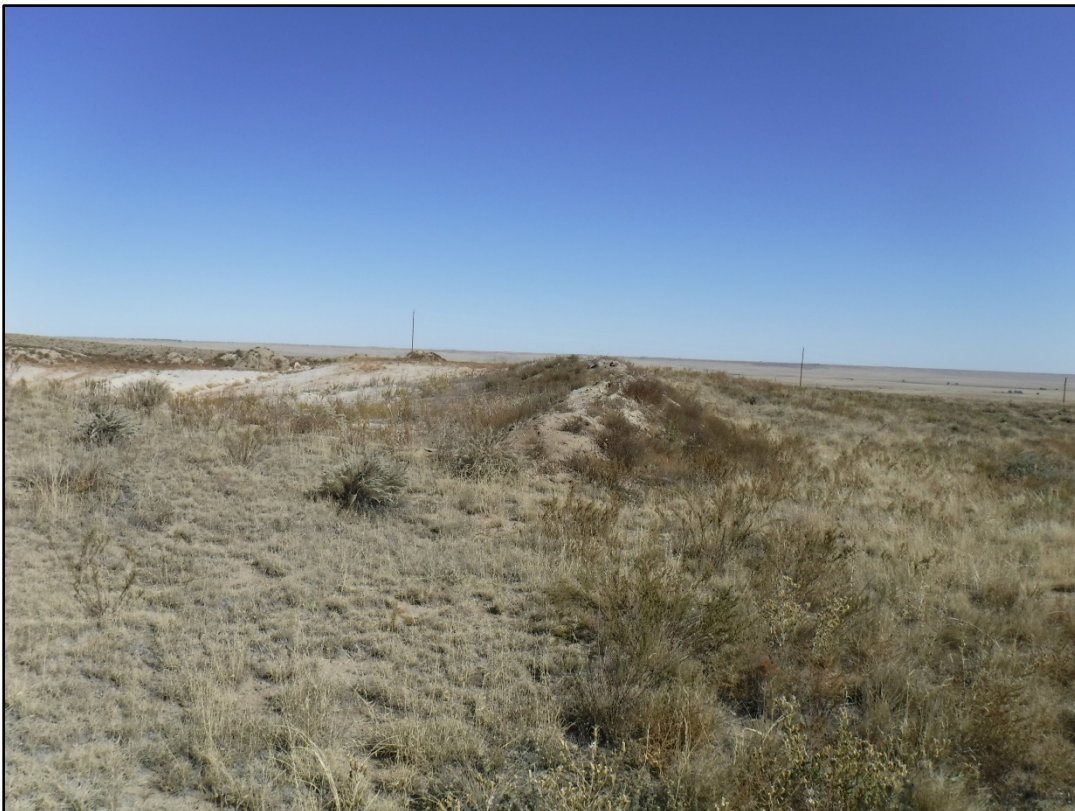


Photo 6: Topsoil stockpile located along the SE perimeter of mining area



Photo 7: Topsoil stockpile near the NE corner of mining area

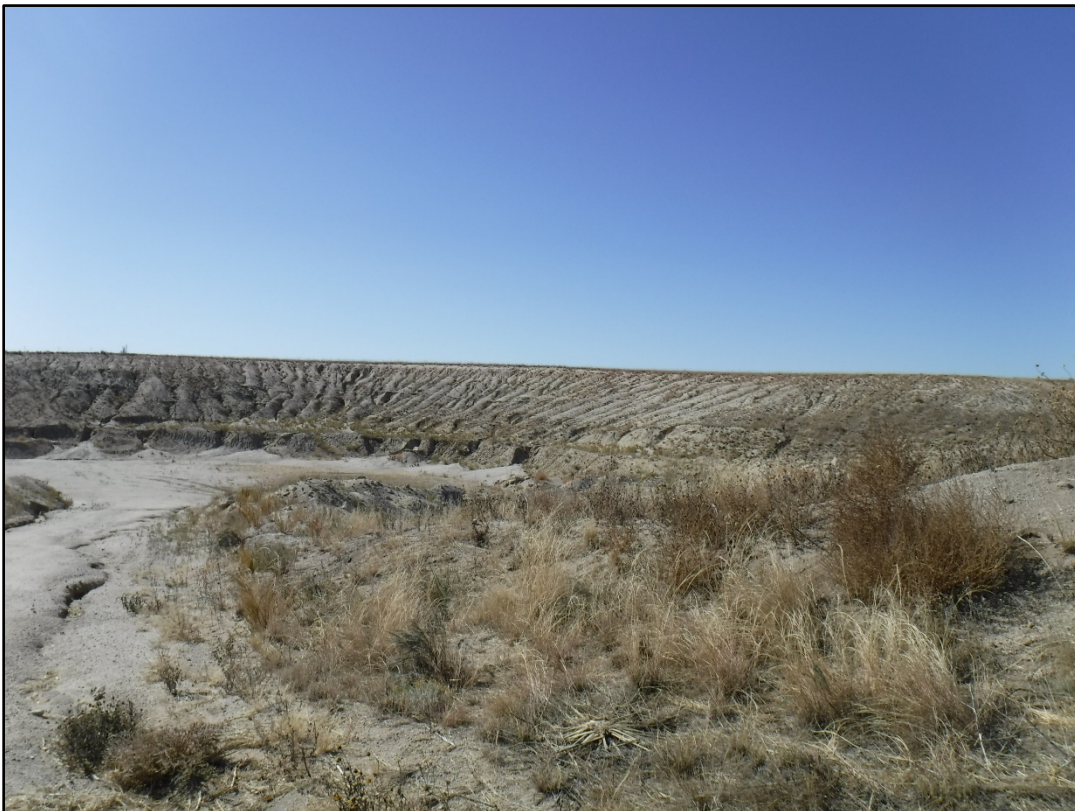


Photo 8: Looking south across the pit area from the entrance of the haul road, erosion contained on pit floor



Photo 9: Looking ESE across the mining area

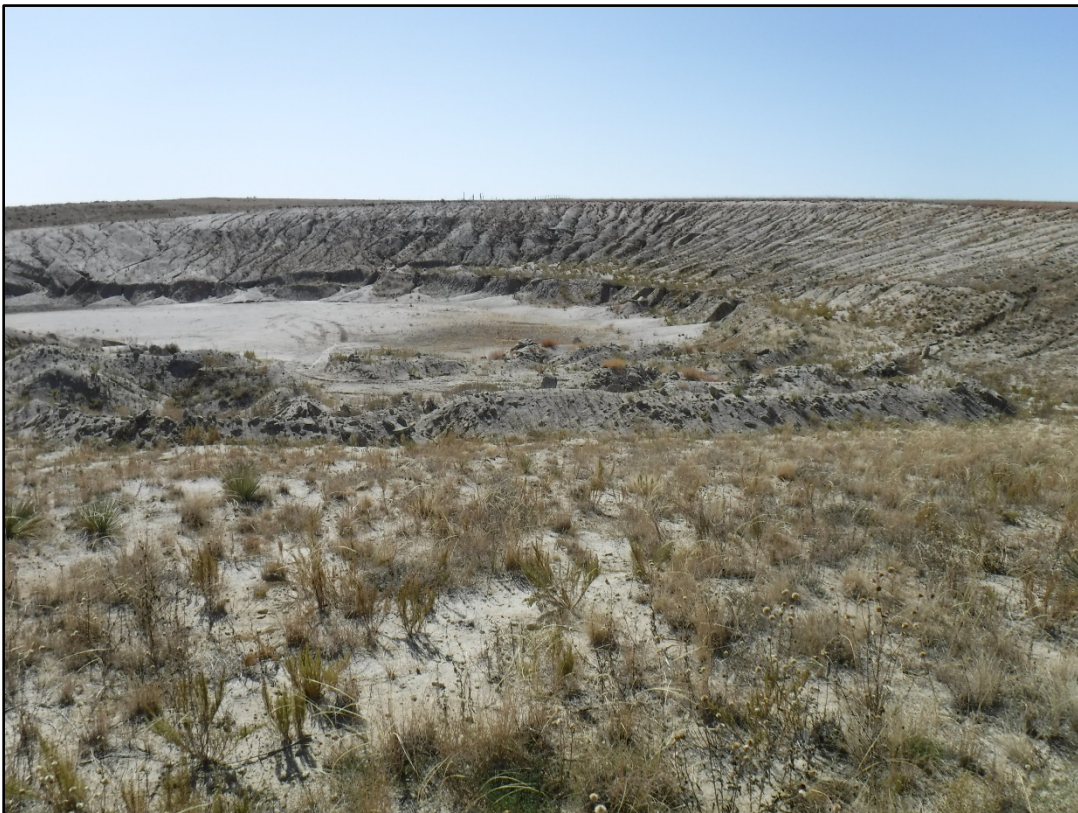


Photo 10: Looking SE across the mining area

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>N</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>N</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>PB</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 and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited