




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: Oaklands Ranch	MINE/PROSPECTING ID#: M-1989-092	MINERAL: Gravel	COUNTY: Douglas
INSPECTION TYPE: Monitoring	INSPECTOR(S): Peter S. Hays	INSP. DATE: February 2, 2018	INSP. TIME: 13:00
OPERATOR: Oaklands Ranch	OPERATOR REPRESENTATIVE: David Curtis	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$12,000.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: February 15, 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>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>Y</u>	(TS) TOPSOIL----- <u>N</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 and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The Oaklands Ranch site 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 14, 2016. Mr. David Curtis with Oaklands Ranch was present during the inspection.

The site is approved for 25.69 acres of total disturbance with a phased bond approach for the 6 mining phases. The site is currently bonded for the original permit area of 10 acres. The site was converted from an 110c to an 112c permit in 2008. The site was inactive during the inspection, however mining has progressed since the last inspection. The mining excavation has moved along the northern permit boundary from east to west towards the northwest permit corner. A processing plant, excavator and front-end loader were observed on-site. The highwall in the northwest corner was estimated at 40 feet in height at a 0.5H:1V slope. The pit floor was dry, however the depth of the excavation is approaching the elevation of Plum Creek. The Operator was reminded of the requirement to maintain the pit floor 2 feet above the groundwater elevation. The mining and processing at the site consists of excavating sand and gravel with an excavator to create stockpiles and using a dozer to push overburden down the western slope towards the processing plant. The sand and gravel and overburden stockpiles are mixed together to create a road base product. The Operator was reminded of the requirement to salvage and stockpile sufficient topsoil and overburden to complete reclamation at the site.

The Division currently holds a financial warranty in the amount of \$12,000 for the original 10 acre permit area. According to the 2017 Annual Report submitted by the Operator, the current mining disturbance is 10.5 acres with the start of mining in Phase 1 of the conversion area. The Division calculated the financial warranty required for the 110c permit area and Phase 1 of the conversion area at \$37,700.00, an increase of \$25,700.00. A copy of the financial warranty estimate is attached for the Operator's review. The Division will allow the Operator 30 days to review and accept the bond estimate prior to issuing a surety increase notice for the site. Once the surety increase is issued by the Division, the Operator will have 60 days to provide the additional financial warranty.

The pole barn located in the southeast corner of the pit floor, approved under TR-02, contained a lumber mill. Milled lumber and logs were observed south and east of the pole barn. The southern portion of the east boundary berm was estimated at 20 feet in height at a 2H:1V slope. The area at the base of the slope is used for lumber storage. The Operator stated the storage area and temporarily graded slope would remain until the access road and storage area can be relocated to the west once additional pit floor space is created as mining continues to the west. The slope will be regraded to 4H:1V to match the reclaimed slopes to the north during reclamation of the area. The Operator stated a low area in the pit floor located north of the pole barn was used as a stormwater basin. The basin was dry at the time of the inspection.

The approved post-mining land use is pastureland. The site is being concurrently reclaimed by the Operator as areas are mined out. The northeast corner of the site has been regraded to a 4H:1V slope, but has not been seeded, an area of the western boundary has been temporarily sloped to a 2H:1V slope and the pit floor excavation has been backfilled with imported inert fill.

The mine sign and boundary markers were observed as required by Rule 3.1.12. The Division created an inspection map of the current site disturbance using Google Earth Pro after the inspection. Photographs taken during the inspection and the inspection map are attached.

PHOTOGRAPHS



Oaklands Ranch pit mine sign



View of the regraded slope in the northeast corner of the site



View of the mine highwall in the northwest corner of the site with imported material above the highwall



View of the backfilled excavation along the northern boundary of the site



View of the northern portion of the site from the top of access ramp looking east



View of the site from the western mining disturbance limit looking northeast



View of the site from the western mining disturbance limit looking east

Inspection Contact Address

Mr. David Curtis
Oaklands Ranch
1613 N Perry Park Rd
Sedalia, CO 80135

Enclosure – Inspection Map, Financial Warranty Estimate

Ec: Wally Erickson, DRMS

Oaklands Ranch Pit

M-1989-092

February 2, 2018 Inspection Map

Legend

- 2H:1V Highwall and Lumber Storage Area
- Active Mining Area - 40' Highwall
- Backfilled Pit Floor Area
- Imported Fill Stockpile
- Lumber Mill
- M-1989-092 Oaklands Ranch
- Overburden Stripped Area
- Processing Plant
- Regraded 4H:1V Slope
- Stormwater Detention Area
- Temporarily Sloped Area

M-1989-092 Oaklands Ranch

Processing Plant

Lumber Mill

Google Earth

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600 ft

