




**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.

<b>MINE NAME:</b> Gravel Pit M-093	<b>MINE/PROSPECTING ID#:</b> M-1995-026	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> Custer
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Timothy Cazier	<b>INSP. DATE:</b> June 18, 2019	<b>INSP. TIME:</b> 14:00
<b>OPERATOR:</b> Custer County	<b>OPERATOR REPRESENTATIVE:</b> Gary Hyde	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> November 6, 2019	

**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>Y</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>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>Y</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 inspection was conducted by Tim Cazier (DRMS) as part of the regular monitoring program. The Permittee (Custer County) was represented by Mr. Gary Hyde during the inspection. The Gravel Pit M-93 is located approximately 4.5 miles southeast of Westcliffe, 1.9 miles east of Hwy 69 on Rosita Rd/CR 328. This is a 112c gravel mine. It was not operating at the time of the inspection. However, signs of recent activity were noted.

**Availability of Records:** Annual fees are paid through August 2019. The previous inspection was on July 13, 2015. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are owned by Custer County.

**Financial Warranty:** As the site is permitted by the County, no bond is required.

**Fish and Wildlife:** No impact to wildlife was observed.

**Hydrologic Balance:** No standing water was observed in the pit and no exposed groundwater was observed.

**Gen. Compliance with Mine Plan:** The operation appeared to be in compliance with the approved mine plan. The maximum allowed disturbed area is 40.3 acres. Google Earth was used to measure the disturbed area, which was estimated to be approximately 20 acres, based on 2016 imagery. Highwalls were estimated to be 25 feet in height and appeared stable as they were sloped at roughly 2H:1V (see **Photo 1**).

**Off-site Damage:** The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations, which included collecting boundary marker locations using a handheld Trimble Juno 3B GPS unit (see **Photo 2**). A map of the collected locations is attached as the **Post Inspection Map**.

**Processing Waste:** A stockpile of oversized rock was observed on the pit floor (see **Photo 3**).

**Roads:** Haul and access roads did not appear to be a source of sediment that could be tracked offsite.

**Reclamation Success:** Some reclamation grading and seeding has been initiated (see **Photo 4**).

**Revegetation:** No noxious weeds were observed.

**Sediment Control:** No erosion problems were observed and no BMPs were needed at the time of the inspection. A rock check dam on the southwest corner of the site appears to be adequate in preventing sediment discharge from the low point in that corner (see **Photo 5**).

**Support Facilities On-site:** A grizzly screen and loader were observed on site (see **Photos 3 and 6**).

**Signs and Markers:** The permit sign was properly posted (see **Photo 7**) and T-post boundary markers were observed to delineate the permit boundary (see **Photos 2, 4 and 6**). Locations of the permit boundary markers were collected using a handheld Trimble Juno 3B GPS unit. Locations are shown on the attached **Post Inspection Map**.

**Permit Stipulations:** There are no permit stipulations.

**Storm Water MGT Plan:** No stormwater retention, oil or fuel spills observed. Stormwater drains to the pit or

southwest rock check dam and infiltrates.

Topsoil: Topsoil stockpiles were observed on the pit floor and on the highwall crests (see **Photos 8 and 9**).

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at [tim.cazier@state.co.us](mailto:tim.cazier@state.co.us) if you have any questions regarding this report.

### **PHOTOGRAPHS**



Photo 1. Highwalls (~25 feet high) appearing stable sloped at roughly 2H:1V (looking NE from pit floor).



**PHOTOGRAPHS (cont.)**

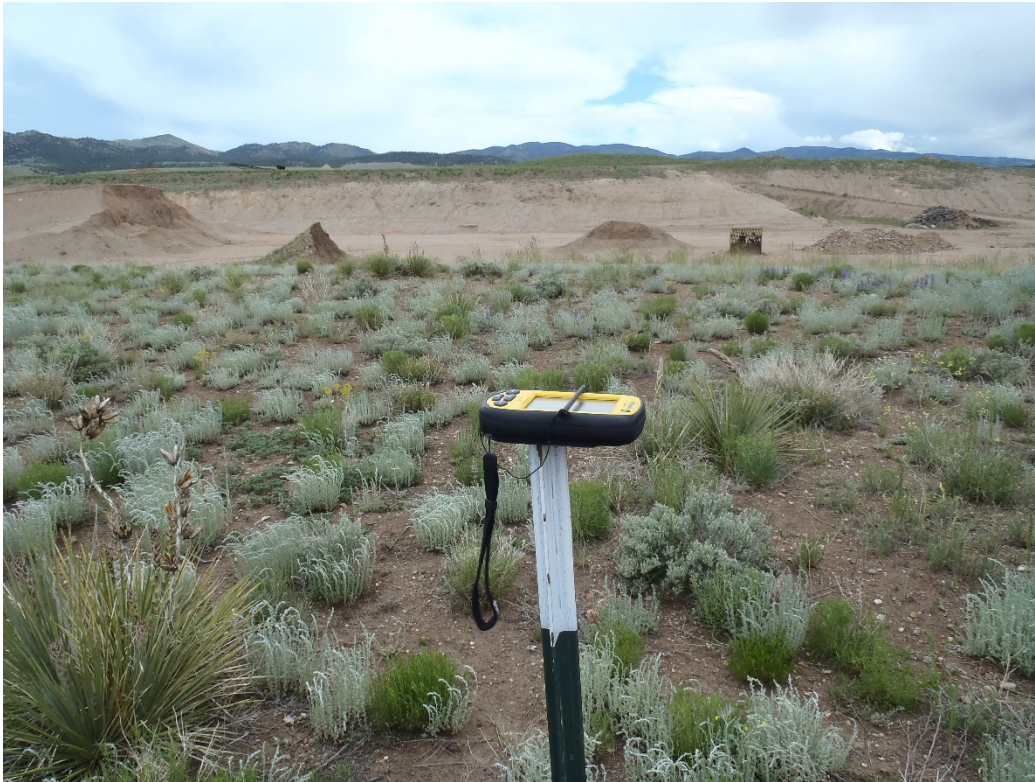


Photo 2. Typical permit boundary marker, highwall beyond (looking east, note GPS unit on top of T-post).



Photo 3. Grizzly screen, product stockpile and oversize rock stockpile (looking NE from pit floor).



**PHOTOGRAPHS (cont.)**



Photo 4. Reclamation grading & seeding (south side, looking west, note GPS unit on top of T-post)



Photo 5. Rock check dam on the southwest corner of the site (looking east).



**PHOTOGRAPHS (cont.)**



Photo 6. Loader and product stockpile (south side, looking north, note GPS unit on top of T-post).



Photo 7. Permit sign at entrance (looking SW).

**PHOTOGRAPHS (cont.)**



Photo 8. Topsoil stockpile on north end of pit (beyond pickup, looking east).



Photo 9. Topsoil stockpile (looking SW from pit floor).

**Inspection Contact Address**

Gary Hyde  
Custer County  
PO Box 1669  
Westcliffe, CO 81275

Enclosure

ec: Brock Bowles, DRMS  
DRMS file



# M-1995-026 Gravel Pit M-93 Post-Inspection Map

Satellite Imagery from 8/31/2016  
GPS data collected 6/18/2019 using Trimble Juno 3B GPS unit

Legend

- ?2016 Affected Area
- 2016 Disturbed Area
- Gravel Pit M-093
- M-093 Entrance
- M-95-026 Permit
- M-95-026 Phase Boundaries
- M-95-26 Marker

