



**COLORADO**


Division of Reclamation,  
Mining and Safety

Department of Natural Resources

## 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> Gray Pit	<b>MINE/PROSPECTING ID#:</b> M-1990-148	<b>MINERAL:</b> Gravel	<b>COUNTY:</b> Kiowa
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy Eschberger	<b>INSP. DATE:</b> October 10, 2018	<b>INSP. TIME:</b> 10:30
<b>OPERATOR:</b> Kiowa County	<b>OPERATOR REPRESENTATIVE:</b> Rick Spady	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<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 9, 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>N</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</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>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**

This was a normal monitoring inspection of the Gray Pit (Permit No. M-1990-148) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Rick Spady represented the operator during the inspection. The site is located approximately 15 miles northwest of Haswell, Colorado in Kiowa County. Access to the site is from the west off Co Rd 7. **Photos 1-8** taken during the inspection are included with this report.

This is a 110c operation permitted for 9.7 acres to mine sand and gravel from the creek bed of Adobe Creek (see enclosed mining plan map). The permit area includes an approximate 2,000 foot section of the creek where sand and gravel is extracted from work basins and directly hauled off site for use or stockpiled on the western creek bank until needed. The excavation basins are approximately 3-5 feet deep with inlets and outlets that allow the creek to flow through the basins to deposit sand and gravel. The operation accesses the creek bed via a trail that runs along the western side of the creek.

The approved post-mining land use for the site is rangeland. Reclamation of the site will include grading all disturbed slopes to 2H:1V or flatter, seeding the creek banks and trail road with a native grass mixture, and planting saline-tolerant willows (Coyote and Peachleaf) along the disturbed creek banks at a rate of five trees per acre. Any excavated basins that remain will naturally fill in with sediment once mining has ceased.

The site was not active during the inspection. A permit sign was posted at the main site entrance. The corners of the permit boundary were delineated with T-posts. A small material stockpile was being temporarily stored on the western creek bank. The creek was not flowing during the inspection. However, pools of water were present in portions of the creek due to a recent storm event. The operation is currently maintaining two main work basins in the creek in the central portion of the permit area. Mr. Spady indicated the site is active every year (intermittently) once the creek flows and redeposits sand and gravel in the work basins.

The operation appears to be following the approved mining plan. The creek banks were stable and fairly well vegetated with native grasses and forbs. The disturbances by the operation appeared to be minimal and located within the approved permit boundary. No problems were observed.

This concludes the report.

## **PHOTOGRAPHS**



**Photo 1.** View of T-post and tire marking southwestern corner of permit boundary. This boundary corner aligns with the existing property fence.



**Photo 2.** View of T-post and tire marking western edge of permit boundary.





**Photo 3.** View of small material stockpile present on western creek bank.



**Photo 4.** View of work basin dug into creek bed to catch sediment when creek flows. This basin was holding water due to a recent storm event.





**Photo 5.** View looking south across section of creek within permit area. Note creek bank stable with vegetative cover.



**Photo 6.** View of work basin dug into creek bed to catch sediment when creek flows. This basin was holding water due to a recent storm event.





**Photo 7.** View looking south across northern edge of work basin shown in Photo 6.



**Photo 8.** View of T-post and tire marking northwestern corner of permit boundary on western creek bank.

**Inspection Contact Address**

Rick Spady  
Kiowa County  
P.O. Box 591  
Eads, CO 81036

Enclosure: Approved Mining Plan Map, last revised in 2008 with Technical Revision No. 1

CC: Michael Cunningham, DRMS



**Gray Pit**  
**Range 53W**  
**Township 18S**  
**Section 8**  
**Pit Size - 9.7 Acres**

**Bill Gray**  
**Owner**

**CREEK BED**

**BOUNDARY**

**Bill Gray**  
**Owner**

- 1 Area Mined 1991  
1.0 Acre Mined  
\*Area mined in 1991 washed back shut during summer rains
- 2 Effected Area 1992  
1.0 Acre
- 3 Esimated Area 1993
- 4 1992 Mining  
.2 Acre mined  
\*Washed back in during summer rains
- 5 2008 Mining Site work basin
- 6 Inlets
- 7 Outlets
- 8 Stock Piles
- 9 Work Basin 2008
- 10 Push Area
- \* Boundary Markers

**Bill Gray**  
**Owner**

**State Section**