



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.

MINE NAME: Gentz Gravel Pit	MINE/PROSPECTING ID#: M-1983-116	MINERAL: Sand and gravel	COUNTY: Prowers
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: October 10, 2018	INSP. TIME: 14:30
OPERATOR: Kiowa County	OPERATOR REPRESENTATIVE: Jack Howard	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: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 16, 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>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>Y</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>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 Gentz Gravel Pit (Permit No. M-1983-116) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Jack Howard represented the operator during the inspection. The site is located approximately 12 miles north of Lamar in Prowers County. Access to the site is from the north off Co Rd Vv 3/10. **Photos 1-10** taken during the inspection are included with this report.

This is a 110c operation permitted for 9.2 acres to mine sand and gravel for use in county road construction and maintenance (see enclosed mining plan map). No material processing occurs on site. Mined material is directly hauled off site for use or temporarily stored on site until needed. The operation is expanding an existing pre-law excavation. As of 2009, the operation began storing salvaged topsoil at the eastern edge of the pit rather than at the top of the highwall to protect it from being re-disturbed during operations.

The approved post-mining land use for the site is rangeland. Reclamation of the site will include grading all disturbed slopes to 3H:1V or flatter, replacing approximately 6 inches of topsoil across disturbed land, and seeding the land with a native grass seed mixture.

A permit sign was posted at the main entrance to the site. The permit boundary was delineated with small rock piles and T-posts. The site was not active during the inspection. The pit highwall is approximately 15 feet in height with near vertical slopes, and daylights to the north. A small material stockpile and a topsoil stockpile were stored at the eastern edge of the pit. A few small depressions exist at the western edge of the pit, where the disturbance is very close to the permit boundary (see enclosed Google Earth image of site). The Division recommends the operation be very careful when working at the western edge of the site so as not to disturb land outside the approved permit boundary.

The pit floor and the depressions created at the western edge of the pit were holding some water during the inspection due to a recent storm event. Mr. Howard indicated the landowner would like the operation to leave a few small depressions for reclamation to be utilized as cattle ponds. However, the approved reclamation plan for the site does not include this use. If the operator wishes to change the reclamation plan to leave cattle ponds, this can be done through submittal of a Technical Revision (see enclosed form). The revision should also include a revised reclamation plan map showing the approximate location of any ponds to remain.

Mr. Howard informed the Division the material at the site is hard to use as road base. Therefore, the operator is considering closing operations at this site and beginning final reclamation. The Division estimates reclamation of the site in its current condition would require grading the highwall to 3H:1V via the cut and fill method, grading other disturbed areas to blend with the surrounding topography, replacing topsoil across disturbed areas, and revegetating disturbed areas for rangeland use. Much of the site already has 3H:1V or flatter slopes and good grass cover, so the operator would only need to seed areas that were re-disturbed during reclamation and any areas that currently have minimal to no grass cover.

The operation appears to be following the approved mining plan. No problems were observed.

This concludes the report.

PHOTOGRAPHS



Photo 1. View looking south across pit. Pit highwall is approximately 15 feet in height with near vertical slopes.



Photo 2. View looking east from pit floor, showing topsoil stockpile (at left) and small material stockpile (at right) stored at eastern edge of pit.



Photo 3. View looking northwest, showing T-post marking southeastern permit boundary.



Photo 4. View looking west from southern edge of pit, showing western portion of highwall. Pit highwall is approximately 15 feet in height with near vertical slopes. Note ponded water in pit during inspection due to recent storm event.



Photo 5. View looking east across pit from top of highwall. Pit highwall is approximately 15 feet in height with near vertical slopes. Note ponded water in pit during inspection due to recent storm event.



Photo 6. View looking west from top of highwall, showing far western edge of highwall. Pit highwall is approximately 15 feet in height with near vertical slopes.



Photo 7. View looking south, showing small excavated depression located at western edge of pit.



Photo 8. View looking southeast across pit from western edge of pit. Note ponded water in pit during inspection due to recent storm event.



Photo 9. View looking southwest across two small excavated depressions located at western edge of pit. Note ponded water during inspection due to recent storm event.



Photo 10. View looking southeast toward pit from main access road.

Inspection Contact Address

Jack Howard
Kiowa County
P.O. Box 100
Eads, CO 81036

Enclosures: Approved mining plan map
 Google Earth image of site
 Technical Revision form

CC: Michael Cunningham, DRMS

Site Map

EXHIBIT C - PART 3
first replacement

located in the Northeast Quarter of
Section 9 of Township 21S Range 46W

lin=224ft



John Gentz
Property

site
road

existing
pit

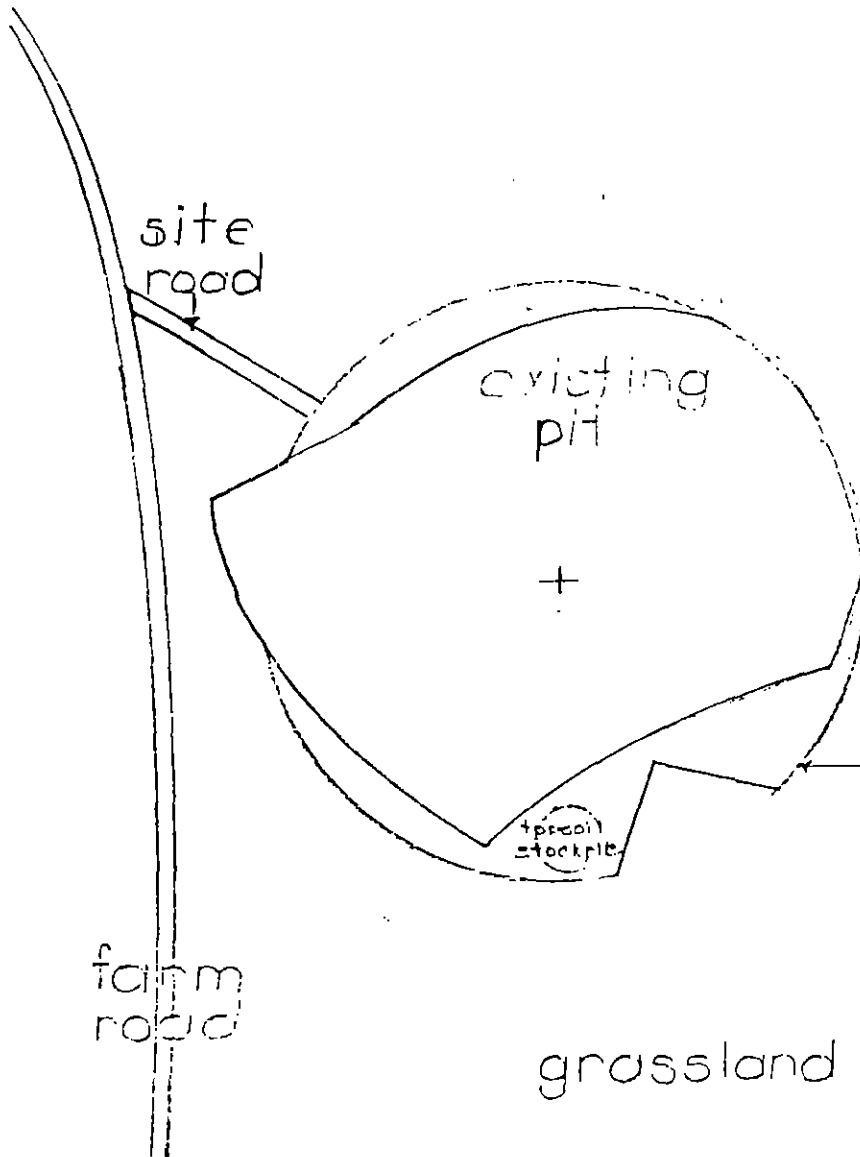


Permit Area

trap
stockpile

farm
road

grassland



M1983-116 / Gentz Gravel pit / Kiowa County (110c)

Red Outline = 9.2 acres = Approved Permit Area (location approximated based on mining plan map)
(Image data from 10/11/2015)





COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY

1313 Sherman Street, Room 215, Denver, Colorado 80203 ph(303) 866-3567

REQUEST FOR TECHNICAL REVISION (TR) COVER SHEET

File No.: M- _____ Site Name: _____

County _____ TR# _____ (DRMS Use only)

Permittee: _____

Operator (If Other than Permittee): _____

Permittee Representative: _____

Please provide a brief description of the proposed revision: _____

As defined by the Minerals Rules, a Technical Revision (TR) is: “a change in the permit or application which does not have more than a minor effect upon the approved or proposed Reclamation or Environmental Protection Plan.” The Division is charged with determining if the revision as submitted meets this definition. If the Division determines that the proposed revision is beyond the scope of a TR, the Division may require the submittal of a permit amendment to make the required or desired changes to the permit.

The request for a TR is not considered “filed for review” until the appropriate fee is received by the Division (as listed below by permit type). Please submit the appropriate fee with your request to expedite the review process. After the TR is submitted with the appropriate fee, the Division will determine if it is approvable within 30 days. If the Division requires additional information to approve a TR, you will be notified of specific deficiencies that will need to be addressed. If at the end of the 30 day review period there are still outstanding deficiencies, the Division must deny the TR unless the permittee requests additional time, in writing, to provide the required information.

There is no pre-defined format for the submittal of a TR; however, it is up to the permittee to provide sufficient information to the Division to approve the TR request, including updated mining and reclamation plan maps that accurately depict the changes proposed in the requested TR.

Required Fees for Technical Revision by Permit Type - Please mark the correct fee and submit it with your request for a Technical Revision.

<u>Permit Type</u>	<u>Required TR Fee</u>	<u>Submitted</u> (mark only one)
110c, 111, 112 construction materials, and 112 quarries	\$216	<input type="checkbox"/>
112 hard rock (not DMO)	\$175	<input type="checkbox"/>
110d, 112d(1, 2 or 3)	\$1006	<input type="checkbox"/>