


**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: Walker Pit North	MINE/PROSPECTING ID#: M-1984-140	MINERAL: Sand and gravel	COUNTY: Prowers
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: March 26, 2019	INSP. TIME: 16:00
OPERATOR: Prowers County	OPERATOR REPRESENTATIVE: Mark Dorenkamp	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: July 12, 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>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>Y</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 Walker Pit North (Permit No. M-1984-140) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Mark Dorenkamp represented the operator during the inspection. The site is located approximately 6.5 miles southeast of Lamar, CO in Prowers County. The site can be accessed via Co Rd 10, an existing oil well access road that runs south off Co Rd CC. The access road curves around the western edge of the permit area, and a haul road splits off from this road to enter the southwestern edge of the pit. The site is situated directly adjacent to and west of Clay Creek, an intermittent stream. **Photos 1-10** taken during the inspection are included with this report.

This is a 110c operation permitted for 9.9 acres to mine alluvium deposits from an abandoned meander of the adjacent creek for use in county road construction and maintenance (see enclosed mining and reclamation plan maps). The permit area includes the haul road that splits off Co Rd 10. The operation began mining generally north/northeast from existing pre-law pit disturbance located south of the permit area. A small portion of the pre-law disturbance (approximately 1 acre) is included in the southern portion of the permit area, and will be reclaimed in the same manner as the new disturbance. The maximum mining depth is approximately 10 feet. Screening of mined gravel may occur on site as needed. The operation will maintain a 100 foot setback from the active creek channel. No existing topsoil was available to salvage by the operation, mainly due to flooding events that scoured the area prior to permitting.

The approved post-mining land use for the site is rangeland. The approved reclamation plan calls for grading all disturbed slopes to 3H:1V or flatter, spreading fertilizer over the disturbed area as needed, tilling the seedbed to a depth of 4-6 inches, seeding the site with a native grass/legume seed mixture (Buffalograss, Blue grama, Alkali sacaton, Little bluestem, Sandberg bluegrass, and Cicer milkvetch), spreading native hay mulch over the seeded areas at a rate of 1.5 tons per acre, then crimping the hay 1-4 inches into the soil. The haul road that splits off Co Rd 10 for pit access will be reclaimed in the same manner. The reclaimed pit floor will be left at approximately the same elevation as the seasonal high water mark for the adjacent creek. Grazing will be restricted on reseeded areas until the desired vegetation has established.

At the time of the inspection, the weather was clear and sunny, and the ground was dry. A permit sign was posted at the main entrance to the site off Co Rd CC. The permit boundary was delineated with yellow posts. The site was active during the inspection, hauling off from a large sand stockpile on the pit floor. According to the operator, the site is active every year in accordance with its intermittent status, as approved in 2014 with Technical Revision No. 1. In recent years, mining activities have primarily consisted of hauling off from stockpiled material.

The meander bank wall curves around the northern and western edges of the permit area and is approximately 10-12 feet in height, with slope gradients of near vertical to 2H:1V. The operation is not authorized to mine the meander bank walls, as they are located outside the approved permit area. The bank slopes appeared to be stable with grass cover. No highwalls are left on site due to the nature of the mining operation. Several material stockpiles, including one large sand stockpile, were stored on the pit floor. The most recent extraction activities appeared to have occurred at the northeastern edge of the pit, where slopes had been graded nearly flat. The pre-law disturbance that exists south of the approved permit area consists of a few small excavations and low-lying stockpiles, which appeared to be stable with good grass cover. The adjacent creek was dry during the inspection. The eastern edges of the pit are currently no less than 160 feet from the creek, which is in compliance with the 100 foot setback the operator committed to maintaining.

The Division estimates the operation has disturbed approximately 9.85 acres, which is very close to the approved 9.9 acres. Therefore, the operation should be careful not to expand the disturbance much farther, to keep from disturbing land outside the approved permit boundary.

Overall, the site appeared to be stable, and no problems were observed.

This concludes the report.

Any questions or comments regarding this inspection report should be forwarded to Amy Eschberger at the Colorado Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, via telephone at 303-866-3567, ext. 8129, or via email at amy.eschberger@state.co.us.

PHOTOGRAPHS



Photo 1. View looking southwest across old meander bank, not included in approved permit area (pit disturbance at far left).



Photo 2. View looking south across pit from top of meander bank, showing several material stockpiles stored on pit floor.



Photo 3. View looking southeast across excavated area at northeastern edge of pit (in background), with slopes graded nearly flat.



Photo 4. View looking north across old meander bank, not included in approved permit area (pit disturbance at far right).



Photo 5. View looking east across southern edge of pit from top of meander bank.



Photo 6. View looking northeast toward pit area from pit access road which will be reclaimed.



Photo 7. View looking west across pit area from its eastern edge.



Photo 8. View looking north across pit area, showing operation hauling off from large sand stockpile during inspection.



Photo 9. View looking southwest at pre-law disturbed area located southwest of permit area. Note the small grassed over stockpile that remains in this area.



Photo 10. View looking southeast at pre-law disturbed area located south of permit area. Note the low-lying grassed over stockpile that remains in this area (indicated).

Inspection Contact Address

Mark Dorenkamp
Prowers County
109 E. Sherman St.
Lamar, CO 81052

Encl: Approved Mining and Reclamation Plan Maps (one document)

CC: Michael Cunningham, DRMS

SCALE: 1"=200'

200 100 0 200 Feet

RECLAMATION PLAN

RANGELAND

TO PROWERS COUNTY
ROAD CC, 1500 FEET

EXISTING OIL
WELL ACCESS
ROAD

CLAY

Cottonwood
Trees

CREEK

3:1
RECLAIMED SLOPE

PERMIT
BOUNDARY

RANGELAND

SE 1/4 SE 1/4 Sec. 33, T23S, R46W

SCALE: 1"=200'

200 100 0 200 Feet

PRE-MINING and MINING PLANS

RANGELAND

TO PROWERS COUNTY
ROAD CC, 1500 FEET

EXISTING OIL
WELL ACCESS
ROAD

CLAY

Cottonwood
Trees

CREEK

DIRECTION of
MINING

100' Setback

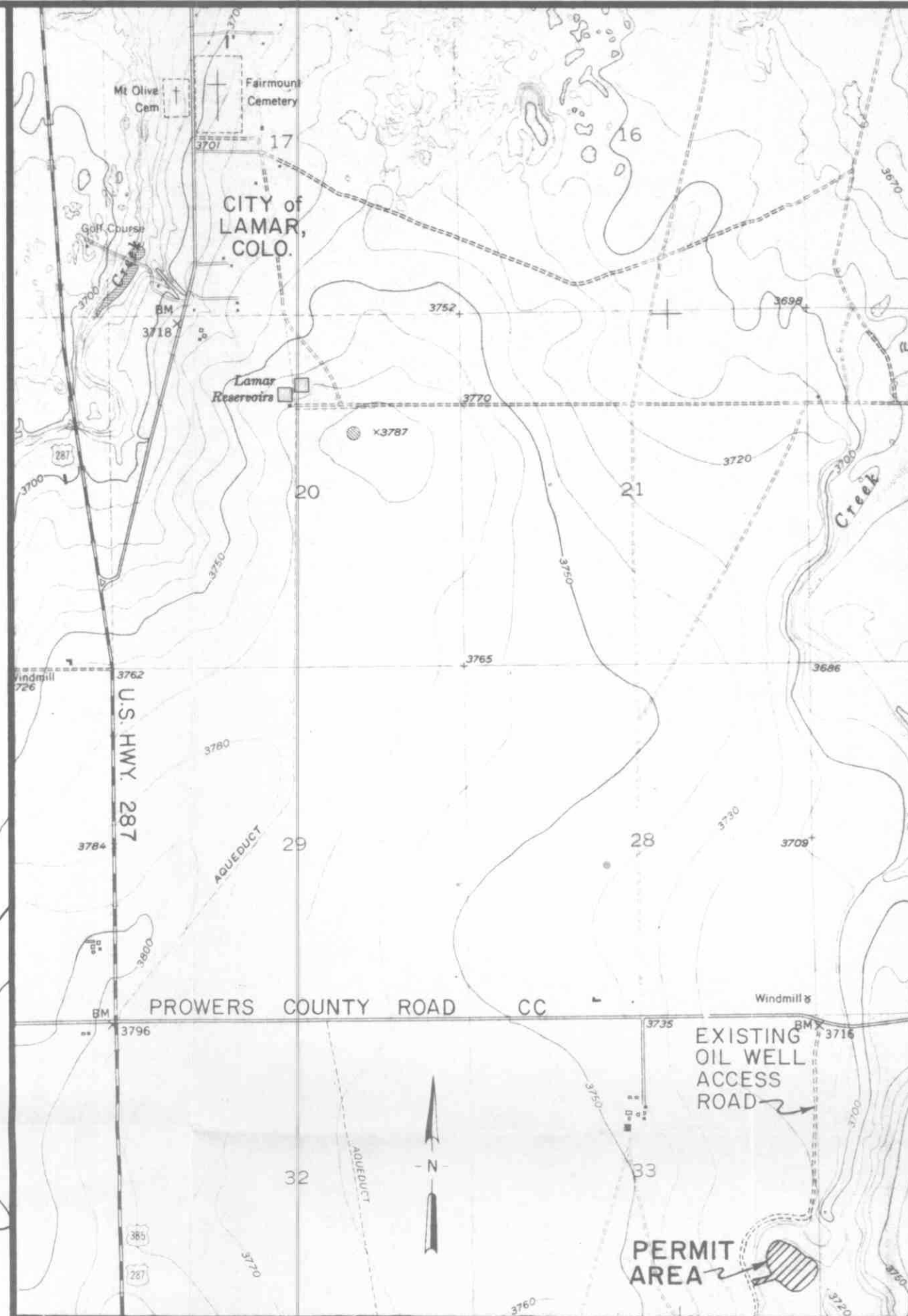
HAUL ROAD

PERMIT
BOUNDARY

RANGELAND

SE 1/4 SE 1/4 Sec. 33, T23S, R46W

Permit Number M-1984-140
Class Reclamation
Section/Exhibit Applic. Exh. C
Class: ☐ Report ☐ Hydro ☐ General
Doc Type:
☐ Application (Coal only) ☐ Bond ☐ Enforcement ☐ Inspection



From: U.S.G.S. 7.5' Quad. Map "Lamar East" Scale: 1"=2000'

VICINITY MAP

THE ONLY ADJACENT LANDOWNER TO THE
WALKER NORTH PIT IS THE WALKER LAND
AND CATTLE CORPORATION.

RECEIVED

AUG 30 1984

MINED LAND RECLAMATION DIVISION
Colo. Dept. of Natural Resources

A portion of the SE 1/4 SE 1/4 and the NE 1/4 SE 1/4, Sec. 33,
T23S, R46W of the 6th P.M., Prowers County, Colorado.

CONTOUR INTERVAL=10'

Prowers County Walker North Pit Pre-Mining, Mining & Reclamation Plans



RINDAHL & ASSOCIATES
2305 S. Syracuse Way
Denver, Colorado 80231
303/696-6846

DATE	3-7-84	JOB NO	83-1206
DRAWN BY	RJA	CHECKED BY	GFR
SCALE	AS SHOWN		
SHEET	OF	SHEETS	

