



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
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: Peters Pit	MINE/PROSPECTING ID#: M-1991-078	MINERAL: Gravel	COUNTY: Crowley
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Eschberger	INSP. DATE: January 14, 2016	INSP. TIME: 10:45
OPERATOR: Kiowa County	OPERATOR REPRESENTATIVE: Rick Spady	TYPE OF OPERATION: 112c - Construction Regular Operation	

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: <i>Amy Eschberger</i>	SIGNATURE DATE: March 18, 2016

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>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SW) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</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 Peters Pit (Permit No. M-1991-078) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Rick Spady represented the operator, Kiowa County during the inspection. The site is located approximately 10.5 miles northeast of Sugar City, Colorado in Crowley County. The site can be accessed from the east off of County Lane 31. The affected land is owned by James E. Peters and The Trust of Lola R. Peters. The approved post-mining land use is rangeland.

This is a 112c operation permitted for 21.49 acres (see enclosed Google Earth image of site) to mine sand and gravel from a gravel ridge for use in county road construction and maintenance. This is a dry mining operation. Mining began in the eastern portion of the site and has proceeded southward and westward. A conversion application was approved for this site on 01/31/2011, which added 11.8 acres mainly to the west of the existing permit area. The maximum mining depth could not be found in the permit record. Pit walls will be mined at a near vertical slope gradient. Topsoil and overburden will be salvaged for reclamation and stockpiled outside of the active pit area. The approved reclamation plan calls for backfilling the pit with the salvaged overburden, grading all disturbed slopes to 3H:1V, replacing topsoil at a depth of 12-36 inches, and revegetating the site with a rangeland grass mixture recommended by the NRCS. The existing access road will not be reclaimed.

At the time of the inspection, the weather was clear, sunny and cool. No standing water was observed on site. A permit sign was posted at the main site entrance off of County Lane 31 (**Photo 1**). The corners of the permit boundary were marked by metal posts (**Photos 2 and 3**) and rock/dirt piles. The site was not active during the inspection, and no equipment was stored on site. However, Mr. Spady indicated that the site is active (e.g., extracting, processing and/or hauling off material) every year, which is in compliance with its intermittent status. The active pit is located in the northwestern portion of the permit area (**Photos 4 and 5**), and appeared to be expanding southward. The active pit is approximately 15-20 feet in depth. The mined walls have slope gradients ranging from approximately 1H:1V to 3H:1V. The pit appeared to be stable with no erosion problems observed. A few material stockpiles were scattered around the pit area (**Photo 6**).

Topsoil has been stripped from the western portion of land that was added in the conversion, and is stored in berms along the perimeter of this area (**Photo 7**). The topsoil stockpiles appeared to be stable with some vegetative cover. Additional topsoil and overburden is stored in the eastern portion of the permit area which was mined first and has been partially reclaimed. According to Mr. Spady, the operation was unable to mine deeper than 10 feet or so before reaching the underlying sandstone layer in the eastern portion of the permit area. However, the operation is able to mine deeper in the western portion of the permit area. A new excavation, approximately 8-10 feet deep, has been started at the southern edge of the permit area (**Photo 8**).

Native grasses, broom snakeweed, and yucca are volunteering across the disturbed land (**Photos 9 and 10**). Some Russian thistle (tumbleweed) was also present on site, as is common throughout the region. No state-listed noxious weed species were observed on site. All disturbance appeared to be kept within the approved permit boundary. The operation appears to be following the approved mining plan.

No problems were observed.

PHOTOGRAPHS



Photo 1. View of permit sign posted at main site entrance off of County Lane 31.



Photo 2. View looking west, showing metal post marking northeastern corner of permit boundary.



Photo 3. View looking north, showing metal post marking eastern corner of permit boundary.

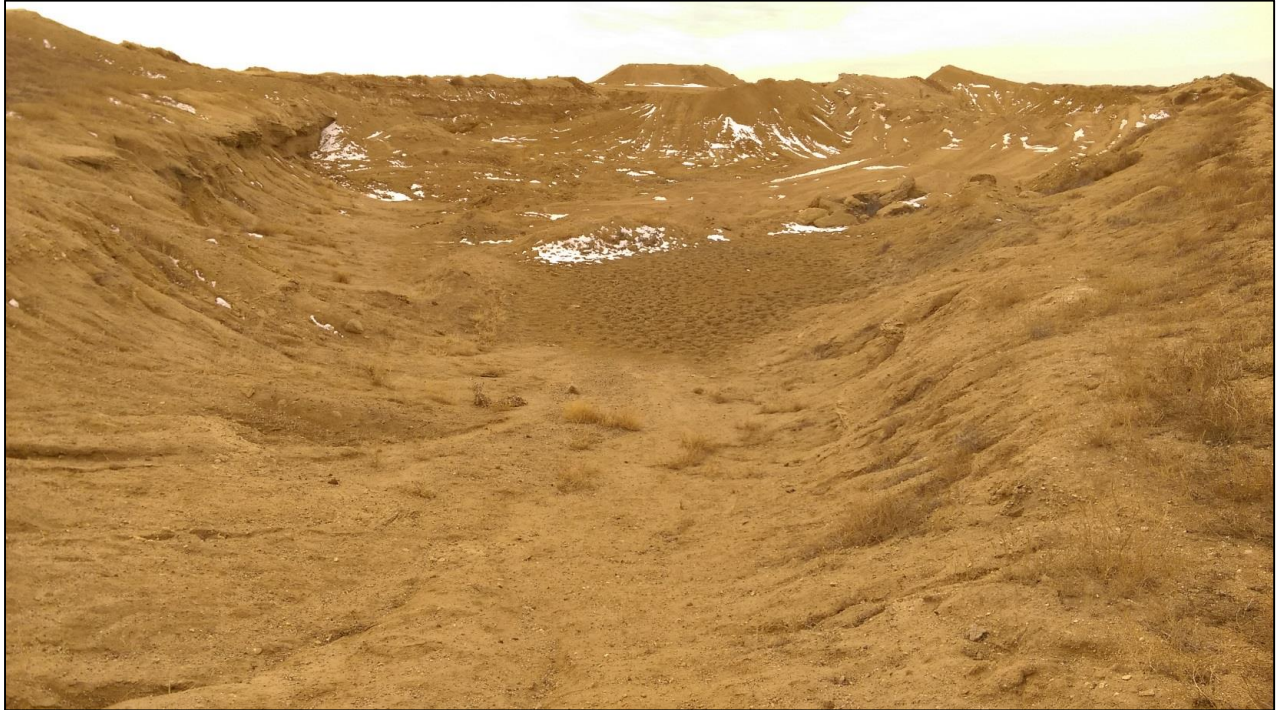


Photo 4. View looking south across active pit located in northwestern portion of permit area. Note mined walls have slope gradients ranging from 1H:1V to 3H:1V, and appear to be stable.



Photo 5. View looking north across active pit located in northwestern portion of permit area. Note mined walls have slope gradients ranging from 1H:1V to 3H:1V, and appear to be stable.

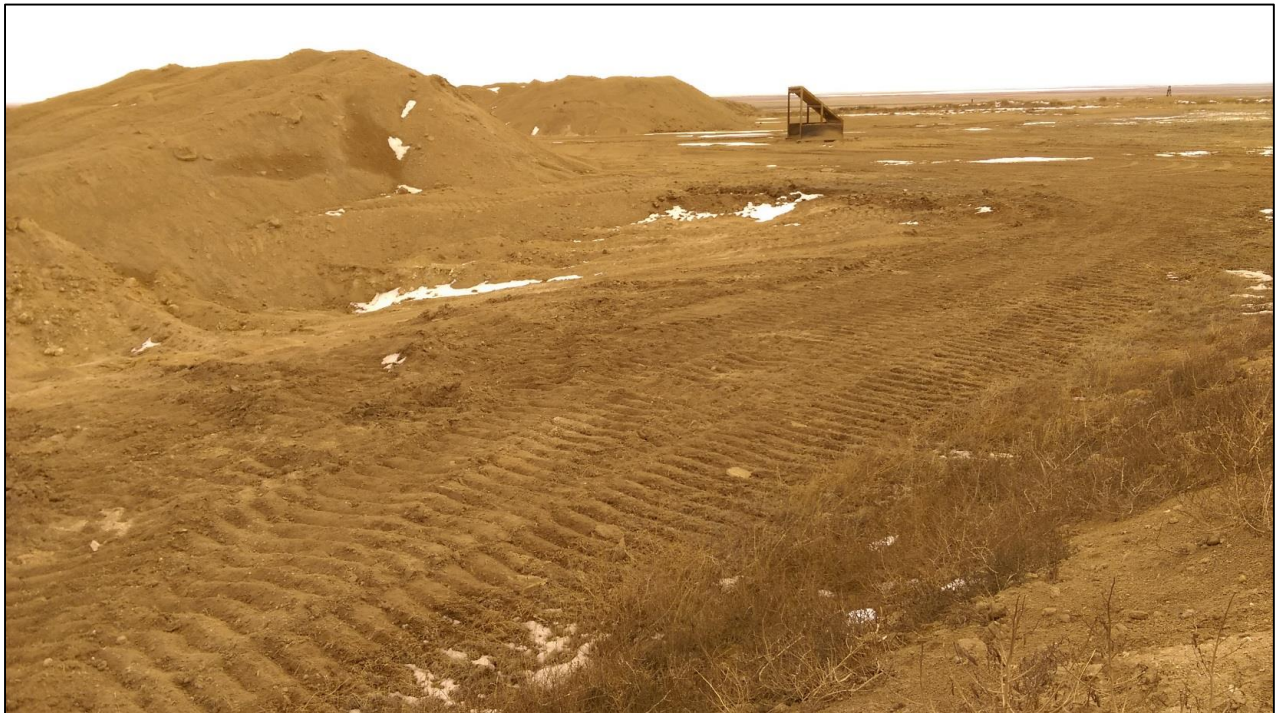


Photo 6. View looking southeast, showing a few material stockpiles stored south and southeast of the pit (at left).



Photo 7. View looking south, showing topsoil berm stored along western edge of permit area. Note berm appears to be stable.



Photo 8. View looking southeast across small excavation, approximately 8-10 feet deep, located at southern edge of permit area.



Photo 9. View looking northeast across southwestern portion of permit area, showing some native grasses and Russian thistle volunteering across disturbed area.



Photo 10. View looking west across northeastern portion of permit area, showing some native grasses, broom snakeweed, and yucca volunteering across disturbed area.

Inspection Contact Address

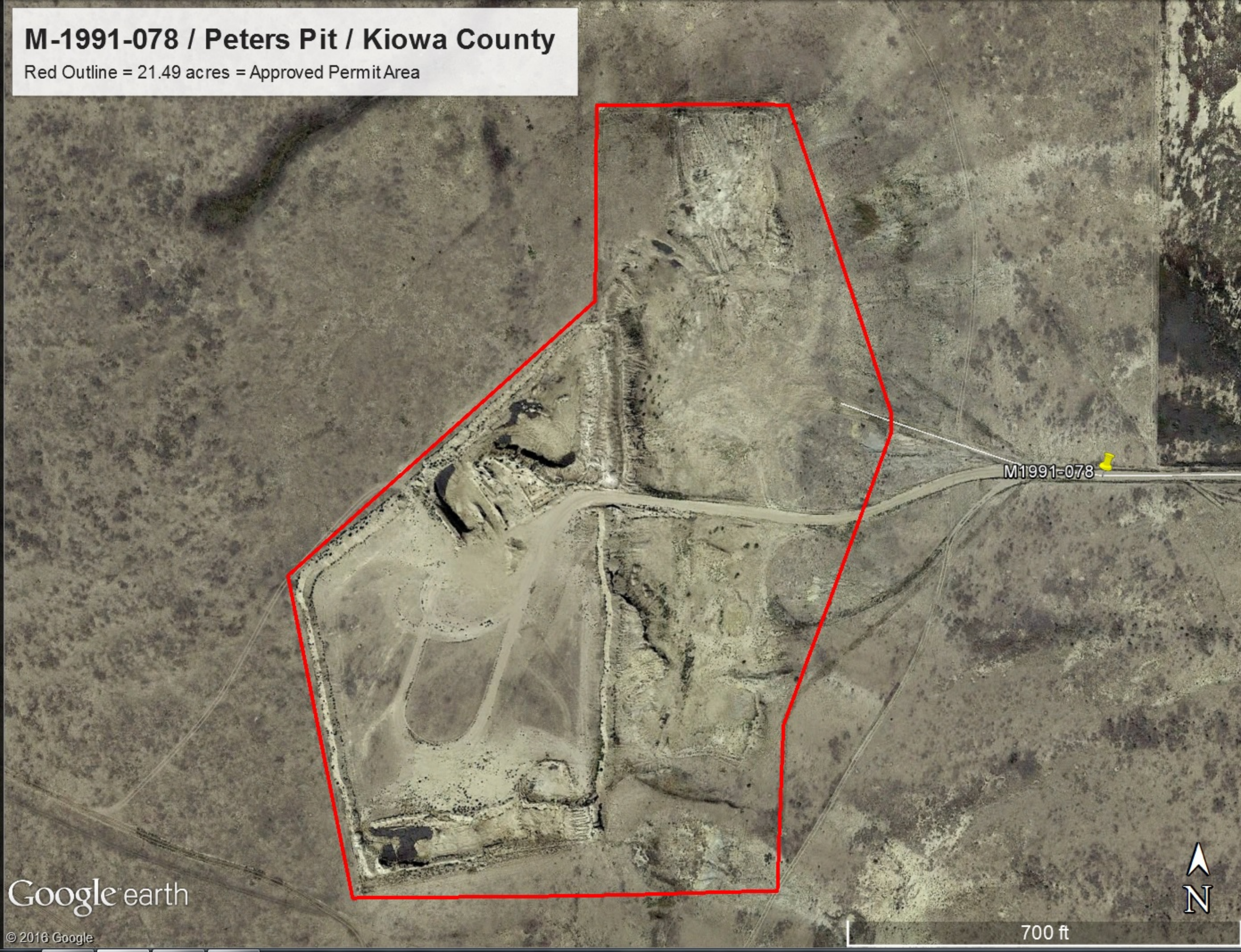
Rick Spady
Kiowa County
P.O. Box 100
Eads, CO 81036

Enclosure(s): Google Earth image of site showing approved permit area

CC: Wally Erickson, DRMS

M-1991-078 / Peters Pit / Kiowa County

Red Outline = 21.49 acres = Approved Permit Area



M1991-078