



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: Arnold Pit	MINE/PROSPECTING ID#: M-2018-019	MINERAL: Sand and gravel	COUNTY: Las Animas
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: June 19, 2018	INSP. TIME: 11:00
OPERATOR: Las Animas County	OPERATOR REPRESENTATIVE: Clell Goode	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Preoperation Inspection	BOND CALCULATION TYPE: None	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: July 19, 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>N</u>	(FN) FINANCIAL WARRANTY----- <u>NA</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING----- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</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>NA</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</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 pre-operation inspection for the 112c application submitted to the Division on April 25, 2018. The Applicant, Las Animas County was represented by Mr. Clell Goode. The Division was represented by Tim Cazier. The site is accessed from CR 76.8 about 35.5 miles south of La Junta on SH 109. The site is approximately six miles from SH 109 on CR 76.8.

Hydrologic Balance:

The drainage through the site is intermittent and only flows after significant precipitation events, according to Mr. Goode. It was not flowing at the time of the inspection. Some standing water was observed in the creek bed (see **Photo 1**). Mr. Goode indicated the water level had dropped in the pool significantly in the last month.

Gen. Compliance with Mine Plan:

Mr. Goode indicated the majority of the mining would take place on the west side of the drainage and east of the steep existing bank along the west side of the permit boundary (see **Photo 2**). The primary mining area is outlined in tan on the attached **Post Inspection Map**. This area was sketched on the map post inspection based on comments made by Mr. Goode during the inspection and ground features observable on the Google Earth image.

Revegetation:

Some tamarisk (see **Photo 3**) were observed in the main channel of the drainage. Las Animas County should plan on treating these noxious weeds within the permit boundary to prevent them from becoming a problem.

Support Facilities On-site:

No support facilities were present at the time of the inspection. Mr. Goode indicated the County would bring in a crusher to utilize the oversize rock left from the previous operation (see **Photo 4**).

Signs and Markers:

Eight T-posts (see **Photo 3**) were in place marking the proposed permit boundary. All eight locations were collected using a Juno 3B hand held GPS unit. The attached **Post Inspection Map** shows the T-post locations, along with the public notice (see **Photo 5**) location, the nearby overhead utility line (nearest pole is just over 200 feet from the marked boundary), and the primary mining area.

Topsoil:

The topsoil on site was observed to be relatively thin. The County plans to salvage what they can for reclamation.

PHOTOGRAPHS



Photo 1. Standing water observed in the creek bed (looking south) .



Photo 2. Primary mining area on lower terrace (left side of photo, looking south).

PHOTOGRAPHS (cont.)



Photo 3. Typical survey marker/T-post (note 3 tamarisk plants).



Photo 4. Oversize rock left from previous operation (lower terrace, looking east).

PHOTOGRAPHS (cont.)



Photo 5. Public notice on utility pole (near proposed entrance).

Inspection Contact Address

Mr. Mack R. Loudon
Las Animas County
200 E. 1st Street, Room 100
Trinidad, CO 81082

Enclosure

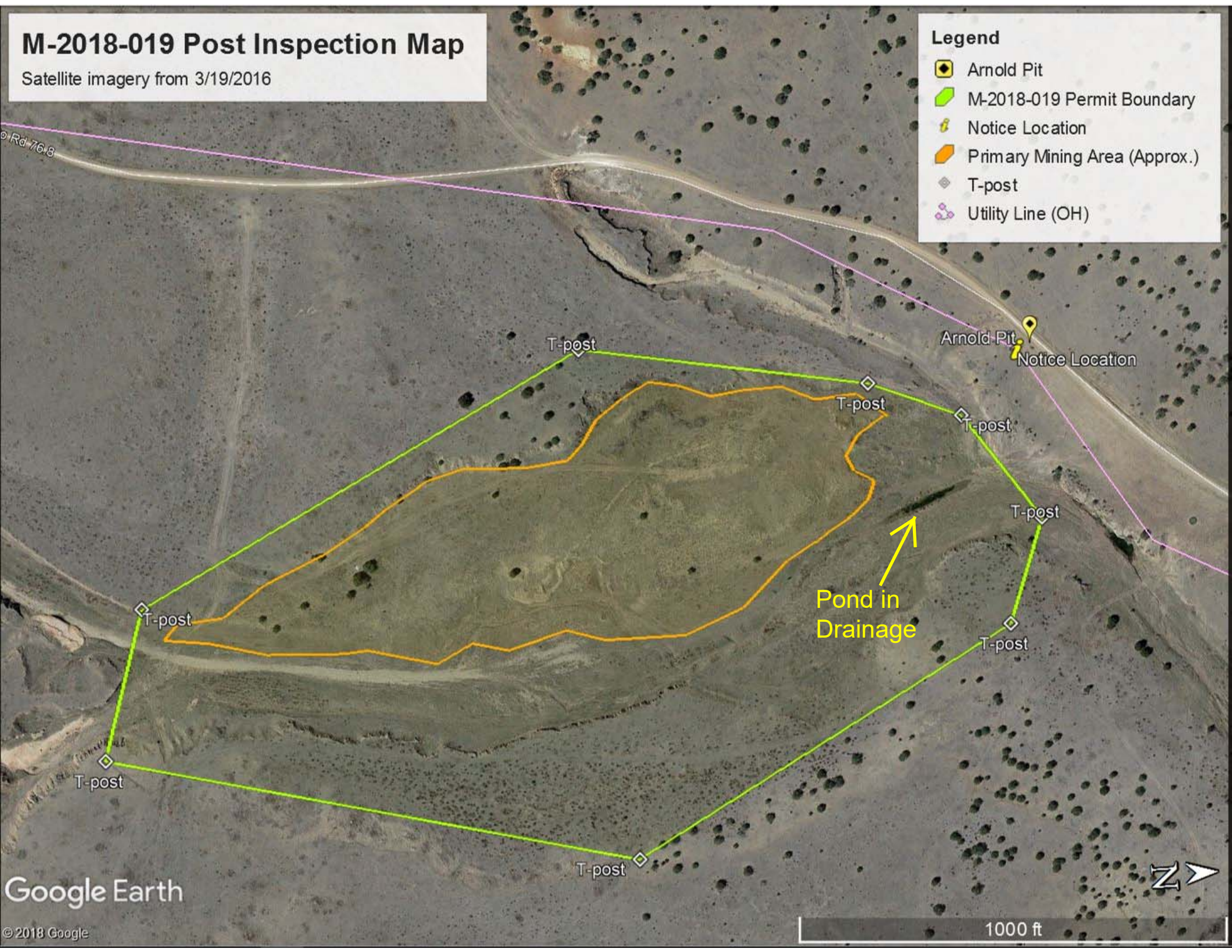
CC: Jared Ebert, DRMS
DRMS file

M-2018-019 Post Inspection Map

Satellite imagery from 3/19/2016

Legend

- Arnold Pit
- M-2018-019 Permit Boundary
- Notice Location
- Primary Mining Area (Approx.)
- T-post
- Utility Line (OH)



Google Earth

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1000 ft