




**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> Mask Ranch Pit #2	<b>MINE/PROSPECTING ID#:</b> M-2018-015	<b>MINERAL:</b> Aggregate and grave	<b>COUNTY:</b> Archuleta
<b>INSPECTION TYPE:</b> Multi Person Inspection	<b>INSPECTOR(S):</b> Lucas J. West	<b>INSP. DATE:</b> April 26, 2018	<b>INSP. TIME:</b> 13:00
<b>OPERATOR:</b> Fremont Paving & Redi-Mix, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Jody Schreiber, James Higgs	<b>TYPE OF OPERATION:</b> 111 - Construction by Government Agency	
<b>REASON FOR INSPECTION:</b> Pre-operation Inspection	<b>BOND CALCULATION TYPE:</b> Complete Bond	<b>BOND AMOUNT:</b> No Bond Held	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> May 1, 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>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>Y</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 inspection was conducted as a Pre-Operational Inspection in the permitting process established by the Colorado Division of Reclamation, Mining and Safety. The Mask Ranch #2 Pit is a new 111 application located in Archuleta County, approximately 1.5 Miles South of Pagosa Springs. The site lies entirely on private property, The Mask Ranch, and currently consists of two large ponds. The entrance to the site is located on County Road 119, Light Plant Road and public access to the site is controlled by a locked gate. The current land use of the property is Recreation and the area will be reclaimed to achieve a post mining land use of Recreation. Along with the Inspector and Operator representatives listed on page one, John Sheppard with the Archuleta County Planning Department, William Schenderlein and Brad Florentin both Engineering consultants for the Operator were present during the inspection. By Rule, the Financial Warranty is set at a minimum of \$2,500.00 per acre for a total of \$45,000.00. As part of the Permit Review process, Division Staff will review perform a Reclamation Cost Estimate to ensure that amount is adequate. If needed, the new bonding requirement will be sent to the Operator under a separate cover. Eight Photos accompany this report to illustrate the current site conditions.

The site will consist of 34.1 permitted acres with a total of 18 acres disturbed. The material to be mined will be aggregates to support the paving of Highway 160 as outlined by the CDOT contract in the permit file. The mining activities will begin adjacent to the existing ranch road and proceed to the Northwest towards the east banks of Pond One. The area to be mined can be seen in Photos One and Two. The current plan is to de-water Pond One to allow the mining activities to expand the Pond by 7 acres, and backfilling 2 of those acres which will result in a pond with 5 additional acres of water surface. On site discussions however indicate that a second reclamation option is being discussed for the creation of two ponds. Please see the enclosed Adequacy Review for details on what will be required for the inclusion of this option. Photos Three and Four show the current conditions of Pond One. The site will contain onsite processing in the way of crushing and screening the mined material as well as utilizing a mobile hot plant on site. The processing area has been identified as the southern area of the pit, adjacent to the south pond. This area will only be used for storing stockpiles and the mobile processing equipment and will not be excavated. The processing area can be seen in Photo Five. Pond Two, the South Pond will not be excavated or expanded by mining activities. Pond Two can be seen in Photos Six and Seven.

The entire site lies within the 100 year floodplain of the San Juan River. The engineering consultants for the Operator, William Schenderlein and Brad Florentin are currently refining the details of the Flood Mitigation Plan and detailing the permitting requirements of Archuleta County. The Flood Mitigation Plan will include details of an Inlet, Conveyance and Outlet structure that will be engineered and constructed to allow any potential flood waters to enter the pit in the North Pond, move to the South pond and flow back into the river to prevent the ponds and mining area from being captured by the river. On site discussions with the Operator determined that the Division would allow mining activities to begin while the Flood Mitigation Plan is being finalized but the existing North Pond cannot be affected until the Division receives the finalized Flood Mitigation Plan. Details of the items to still be required are included in the enclosed Adequacy Review. The entire site has undergone a wetland delineation as part of the Flood Mitigation Plan, and the wetland areas have been marked on site. Discussions with the Operator indicate that those areas will be fenced with temporary construction fencing to prevent any accidental impacts during the mining activities.

The overall footprint of the site is in good condition and free from trash and debris. No settling slumping or signs of significant erosion was noted throughout the site. No state listed noxious weeds were observed, and no problems or possible violations exist on site. All responses to this report should be directed to Lucas West at the Colorado Division of Reclamation, Mining and Safety at 1313 Sherman Street, Room 215, Denver, CO 80203, by phone at (970)-243-6368 or by email at [lucas.west@state.co.us](mailto:lucas.west@state.co.us).

### **PHOTOGRAPHS**

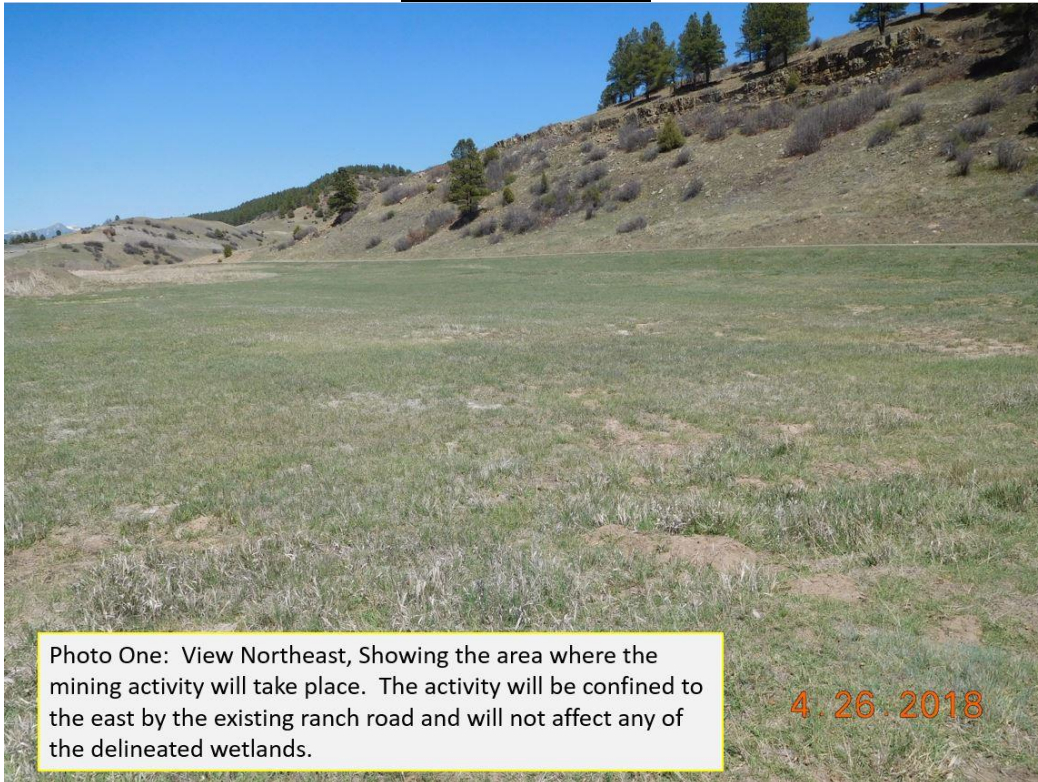


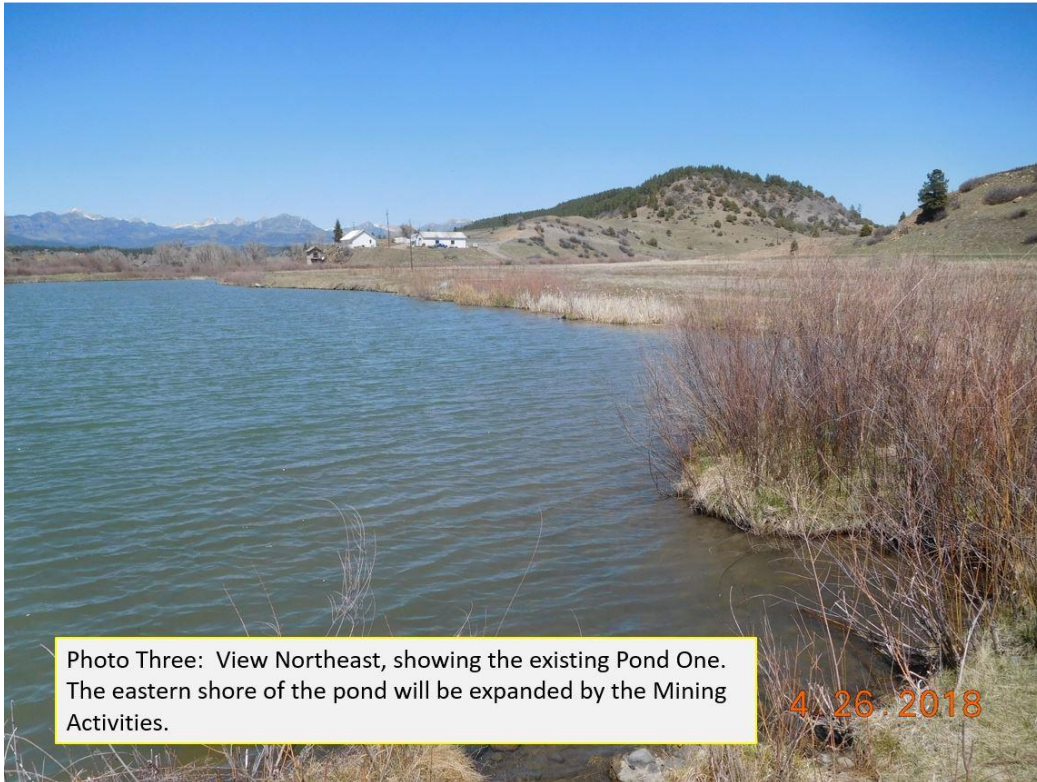
Photo One: View Northeast, Showing the area where the mining activity will take place. The activity will be confined to the east by the existing ranch road and will not affect any of the delineated wetlands.

4.26.2018



Photo Two: View North, showing more the area that will be mined. This area will be mined and sloped and become the approximate location of the eastern shore of Pond One.

4.26.2018







**Inspection Contact Address**

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Fremont Paving & Redi-Mix, Inc.  
839 Mackenzie Ave  
Canon City, CO 81212

Enclosure: Adequacy Review #2

CC: Russ Means, Senior Environmental Protection Specialist

Ec: John Sheppard, Archuleta Planning Department