




**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> Aldrich Gravel Pit	<b>MINE/PROSPECTING ID#:</b> M-1983-109	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Kiowa
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy Eschberger	<b>INSP. DATE:</b> October 10, 2018	<b>INSP. TIME:</b> 11:45
<b>OPERATOR:</b> Kiowa County	<b>OPERATOR REPRESENTATIVE:</b> Rick Spady	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$0.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> November 13, 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>Y</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>N</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>N</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 Aldrich Gravel Pit (Permit No. M-1983-109) conducted by Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). Mr. Rick Spady represented the operator during the inspection. The site is located approximately 12 miles northeast of Haswell, Colorado in Kiowa County. Access to the site is from the north off Co Rd W 5. **Photos 1-10** taken during the inspection are included with this report.

This is a 110c operation permitted for 9.7 acres to mine sand and gravel for use in county road construction and maintenance (see enclosed mining plan maps approved with the original application). No material processing occurs on site. Mined material is directly hauled off site for use or temporarily stockpiled on the pit floor until needed. The approved permit area has an oval shape, oriented northwest-southeast adjacent to an unnamed drainage. The permitted operation began mining at the boundaries of an existing pit, working generally northwestward and southeastward.

The approved post-mining land use for the site is agricultural. Reclamation of the site will include grading all disturbed slopes to 3H:1V or flatter, replacing 9-12 inches of topsoil on disturbed land, and seeding the land with a native grass mixture. Technical Revision No. 1, approved in 2008, clarified that the operator will import additional topsoil as needed for reclamation. According to the permit file, the pit was reclaimed in the 1990's, but was reactivated in 2005. The annual reports submitted by the operator indicate the site has been active every year since that time.

The site was not active during the inspection. A permit sign was posted at the main site entrance. The permit boundary was delineated with T-posts. The edge of disturbance is only within a few feet of the permit boundary along its northern and western edges. However, there is some room to expand the pit southeastward where topsoil has already been stripped in preparation for mining. Pit highwalls are approximately 25 feet in height with near vertical slopes. Active mining walls have significant rilling due to the nature of the substrate, but appeared to be stable. A portion of the northern pit wall has been backfilled and graded to 3H:1V or flatter slopes. Vegetative cover of disturbed areas appeared to consist primarily of annual weeds.

The pit floor had some ponded water during the inspection due to a recent storm event. The operator should be aware, the Division of Water Resources requires that all stormwater contained on site either infiltrate into the ground or be released to the natural stream system within 72 hours, or all work must cease until a substitute water supply plan or augmentation plan is obtained. Mined material was stockpiled on the pit floor. Salvaged topsoil was stored along the edges of the pit.

The operation appears to be following the approved mining plan. The Division recommends the operator repair and stabilize the small washout observed at the northeastern edge of the pit as soon as possible to prevent any offsite damage from occurring during future storm events. No problems were observed.

This concludes the report.

## PHOTOGRAPHS



**Photo 1.** View looking west across northern portion of highwall that was graded to 3H:1V or flatter (indicated with arrow). Adjacent un-named drainage visible in foreground.



**Photo 2.** View looking north across southern edge of disturbance where topsoil has been stripped (portion of topsoil berm visible in foreground) in preparation of expanding the pit southeastward.





**Photo 3.** View looking northeast from outside and west of permit area, showing salvaged topsoil stored along western edge of pit.



**Photo 4.** View looking north, showing T-post (circled) marking western edge of permit boundary.





**Photo 5.** View looking north across northwestern pit highwall, a portion of which has been graded to 3H:1V. Vegetative cover of pit walls consisted primarily of annual weeds.



**Photo 6.** View looking east across pit from its western edge. Note pit floor holding some water during inspection due to recent storm event.





**Photo 7.** View looking east, showing T-post (circled) marking northern edge of permit boundary.



**Photo 8.** View looking south across pit from its northern edge. Note pit floor holding some water during inspection due to recent storm event.





**Photo 9.** View looking east across pit, showing material stockpiling area on pit floor.



**Photo 10.** View looking east across northern edge of pit disturbance. Vegetative cover of pit area consisted mainly of annual weeds.

**Inspection Contact Address**

Rick Spady  
Kiowa County  
P.O. Box 591  
Eads, CO 81036

Enclosure: Approved Mining Plan Maps

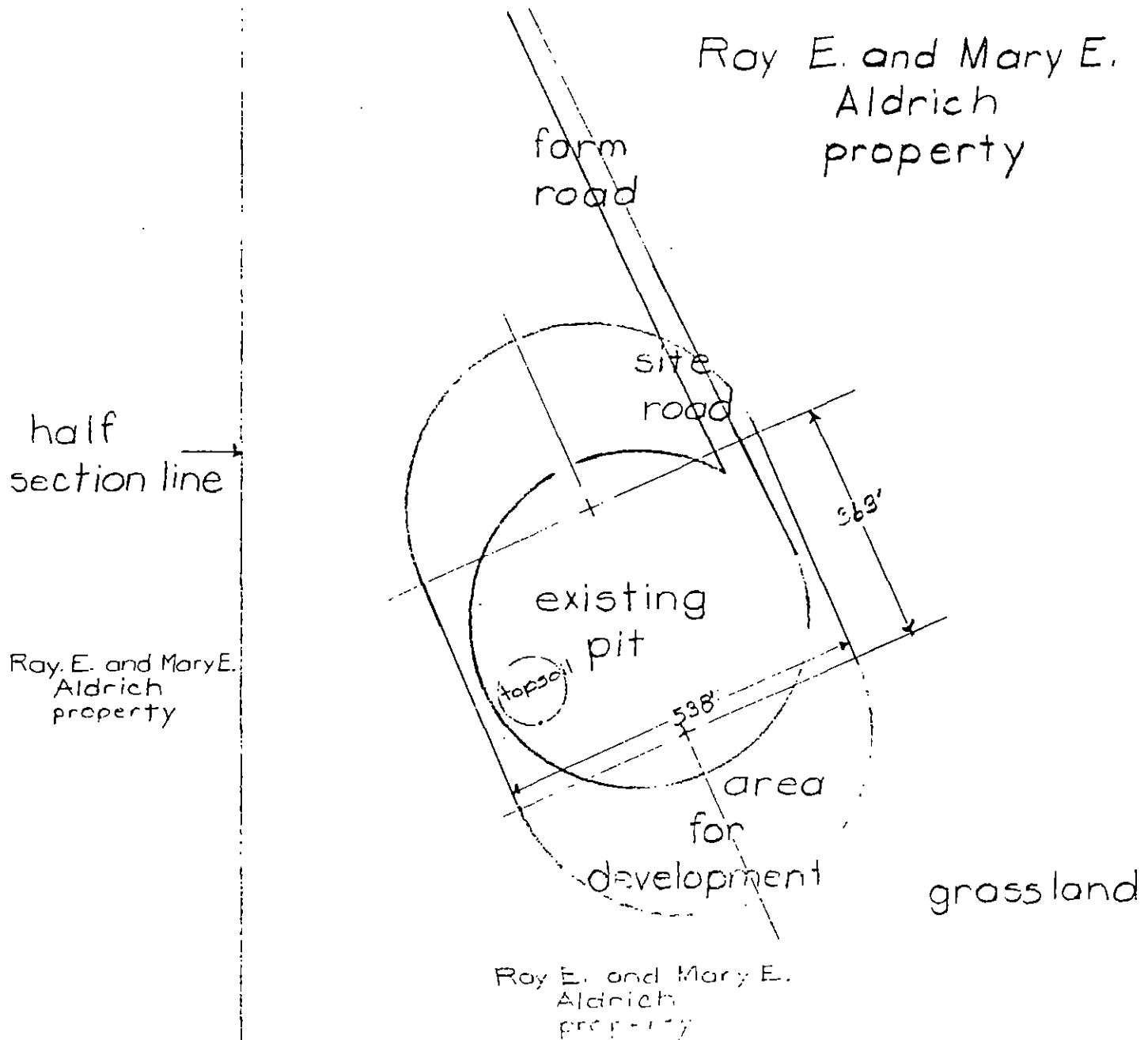
CC: Michael Cunningham, DRMS



# Site Map

located in the Southeast quarter of  
section 29 Township 17S Range 50W

1 in = 224 ft



# ● Kiowa County ●

Southeast quarter of section 29  
Township 17 S Range 50 W

1 in = 448 ft

