




**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> Stevens Clay Lease	<b>MINE/PROSPECTING ID#:</b> M-1996-064	<b>MINERAL:</b> Clay (general)	<b>COUNTY:</b> Douglas
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> November 14, 2018	<b>INSP. TIME:</b> 09:00
<b>OPERATOR:</b> The Denver Brick Company	<b>OPERATOR REPRESENTATIVE:</b> Rob Tibbetts	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Partial Bond	<b>BOND AMOUNT:</b> \$148,000.00	
<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> November 23, 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>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>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>N</u>	(RS) RECL PLAN/COMP-- <u>N</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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

The Stevens Clay Lease site was inspected by Peter Hays and Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS) at the request of the Operator. The Operator requested the inspection to evaluate the site for final closure reclamation. The Operator was recently informed by The Denver Brick Company corporate office the Castle Rock brick plant would be shutdown permanently and the Stevens Clay Lease site would be reclaimed prior to completing the approved Mining Plan. The Operator wanted to discuss the proposed final reclamation activities need to release the site with the Division ahead of a site visit with representatives from the corporate office later in the month. The site was previously inspected by the Division on November 9, 2017. Mr. Rob Tibbetts and Mr. Steve Helzer with The Denver Brick Company were present during the inspection.

The site is an 112c Construction Materials permit for 40.20 total acres with 20.80 acres of disturbance. The Division currently holds a financial warranty in the amount of \$148,000.00, which appeared adequate to reclaim the current site disturbance. A mine sign and boundary markers were observed as required by Rule 3.1.12. The site was inactive during the inspection. The access road damaged during a flood event at the Lemon Gulch crossing in 2015 was repaired in May 2018.

### **Imported Material:**

The Division approved the Operator's request to import grog (waste brick) to use as backfill material on February 14, 2018 under technical revision no. 4 (TR-04). No material has been imported to the site. The Division was contacted by a representative from the corporate office stating additional material may be imported to the site. The Division informed the representative of the requirement to submit an additional technical revision, pursuant to Rule 1.9, with the \$216 fee and provide the inert fill notice requirements of Rule 3.1.5(9) prior to importing more than the approved 12,000 tons of grog and 1,000 tons of brick saw dust. The notice must include a narrative describing the approximate location of the proposed activity, the approximate volume of the inert material to be backfilled, a signed affidavit certifying the material is clean and inert (as defined by Rule 1.1(2)), the approximate dates the proposed activity will commence and end, an explanation of how the backfilled site will result in a post-mining configuration compatible with the approved post-mining land use and a general engineering plan stating how the material will be placed and stabilized in a manner to avoid unacceptable settling and voids.

### **Noxious weeds:**

Noxious weeds including diffuse knapweed and Canada thistle, Class B listed noxious weeds by the Colorado Weed Management Association, were observed at the site. The Operator was reminded of the requirement to implement the approved weed control plan to prevent the spread of the noxious weeds onto the adjacent lands and to allow for the successful revegetation of the site during final reclamation.

### **Mine Plan:**

No mining activities have occurred at the site since the last inspection. The site appeared as described in the previous inspection report.

### **Reclamation Plan:**

The approved post-mining land use for the site is rangeland with a maximum reclaimed slope of 3H:1V with 8 inches of topsoil replaced on the disturbed areas. The northeast corner of the site has been regraded and revegetated by the Operator. The reclaimed area was stable and vegetation was establishing well. A topsoil

stockpile was located in the northwest corner of the disturbed area. Overburden stockpiles were located southwest and northwest of the detention pond and north of the active pit area. All stockpiles were well vegetated and stable.

The Operator stated the tentative plan to reclaim the site was to backfill the current pit with imported material and the on-site overburden stockpiles to match the existing surrounding natural topography, replace the topsoil and vegetate the disturbed areas to allow for the land to be sold. The Division will require the Operator to submit a technical revision, pursuant to Rule 1.9, with the \$216 fee to update the approved Reclamation Plan and Map to reflect the proposed final reclamation of the site.

The option of transferring the reclamation permit to another mining company or the adjacent landowner was discussed during the inspection. The Operator will be required to complete the succession of operator process, pursuant to Rule 1.12, if they elect to transfer the permit.

Photographs taken during the inspection and an inspection map are attached.

**Inspection Contact Address**

Rob Tibbetts  
The Denver Brick Company  
401 Prairie Hawk Dr.  
Castle Rock, CO 80109

Enclosure – Inspection Map

Ec: Michael Cunningham, DRMS

## PHOTOGRAPHS



Stevens Clay Mine sign



Repaired section of access road





View of site from the southeast corner of the pit looking north








View of site from the southwest corner of the pit looking northeast

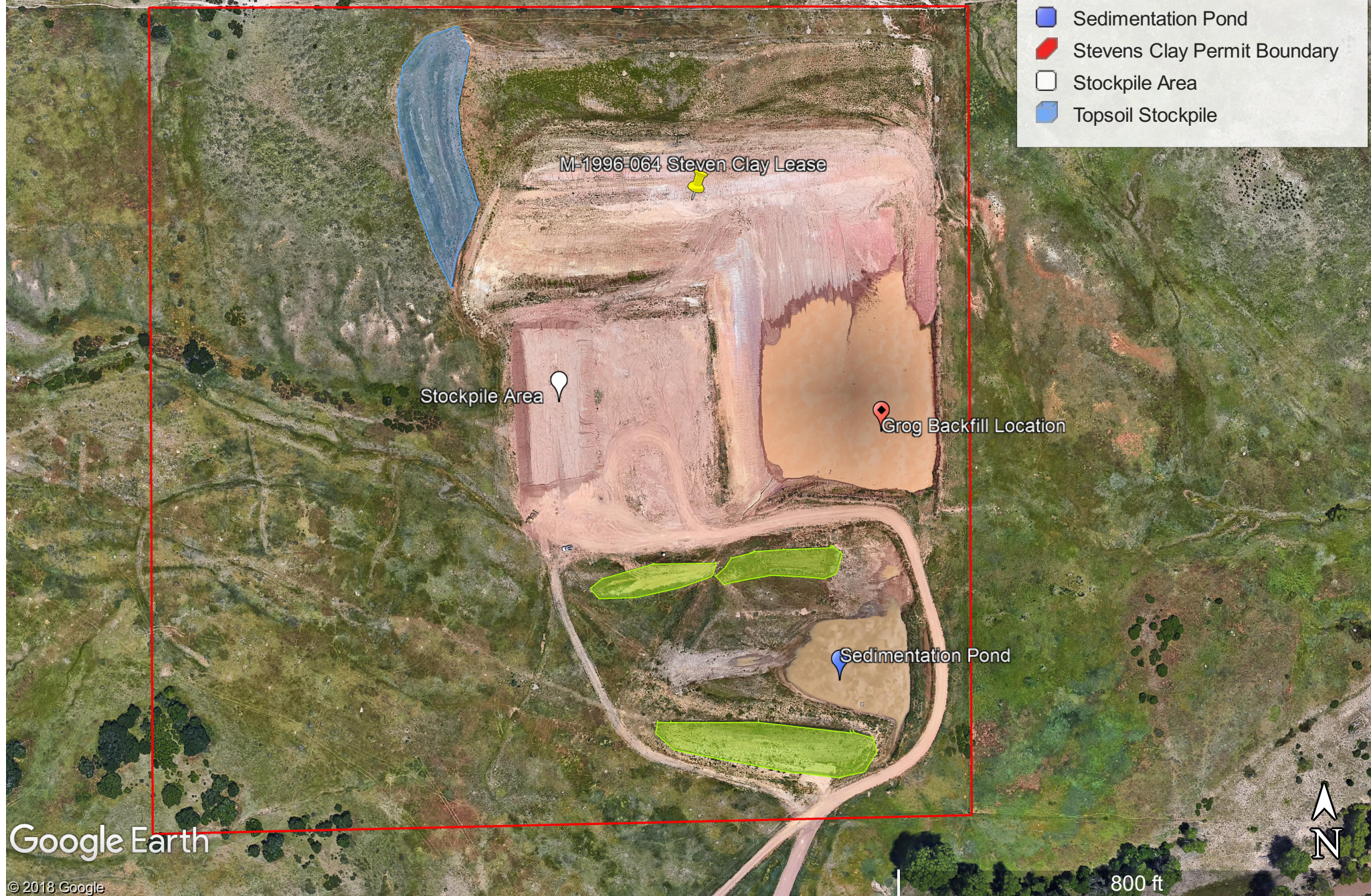


# Steven's Clay Lease

November 14, 2018 Inspection Map  
M-1996-064

## Legend

-  Grog Backfill Location
-  M-1996-064 Steven Clay Lease
-  Overburden Stockpile
-  Sedimentation Pond
-  Stevens Clay Permit Boundary
-  Stockpile Area
-  Topsoil Stockpile



Google Earth

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800 ft