



**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.

<b>MINE NAME:</b> North Clear Creek Construction Materials Mi	<b>MINE/PROSPECTING ID#:</b> M-2006-039	<b>MINERAL:</b> Sand & Gravel	<b>COUNTY:</b> Garfield
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Amy C. Yeldell	<b>INSP. DATE:</b> May 16, 2016	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Chevron Shale Oil Company, a division of Ch	<b>OPERATOR REPRESENTATIVE:</b> Richard Grubbs and Mark Sage	<b>TYPE OF OPERATION:</b> 110c - Construction Limited Impact	

<b>REASON FOR INSPECTION:</b> Priority	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$36,939.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Raining	<b>INSPECTOR'S SIGNATURE:</b> <i>Amy Yeldell</i>	<b>SIGNATURE DATE:</b> May 24, 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>Y</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>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</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>NA</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>Y</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 by the Colorado Division of Reclamation, Mining and Safety (Division). This inspection was requested by the operator to follow up on potential issues identified in the April 13, 2016 inspection. The North Clear Creek Construction Materials Mine is a 110c permitted site that includes a total of 8 permitted acres. This site is located approximately 17 miles northwest of Debeque, Colorado and is accessed from Garfield County Road 211 (North Clear Creek Rd). Richard Grubbs and Mark Sage represented Chevron USA, Inc. and accompanied Amy Yeldell and Russ Means of the Division on the inspection.

Following the April 13, 2016 staff noticed that maps submitted in the 2015 annual report did not coincide with the boundary delineated in the permit application. Upon further investigation staff digitized the 2015 annual report boundary and it appeared to be approximately 11 acres. Based on the google earth imagery the land appeared to have been disturbed at some point and has since been reclaimed. Based on this uncertainty of affected lands the Division required the operator to survey the current disturbance to clarify the total affected acreage to date. The operator shall provide the Division with documentation of their findings by July 19, 2016.

The purpose of this inspection was to delineate the boundary of affected land. This site has had previous disturbances outside of the permit boundary. According to records the purpose of these disturbances are unclear since Chevron has had a long history of oil shale and natural gas production in this area in addition to the borrow material.

Land that has been affected and that is still un-reclaimed is approximately 5.5 acres. The remaining areas in question have been successfully reclaimed and would be releasable per DRMS standards. Reclaimed areas have made excellent use of pocketing to both help stabilize the soil and create micro ecosystems where vegetation thrives. Areas with older reclamation have establishment of shrubby species in addition to native grasses.

Based on this site inspection the operator shall provide the Division with updated maps of currently affected lands. As well as depict an 8 acre boundary to be used for future mining. These revised maps shall include both mining and reclamation maps with all necessary information per Rule 6.3.5. They shall conform to Rule 6.2.1(2). These updated maps shall be submitted in the form of a technical revision (TR) with the required fee of \$216 by July 19, 2016.

Addition items mentioned in the previous inspection report are as follows. Permit boundary marker were difficult to distinguish at a distance. Since the April inspection the markers have been covered with reflective tape and are now easily visible. The operator is remained to make sure any new markers are also easily visible. The operation will need to be approved for inert fill prior to accepting off-site material. The steps for which were outlined in the previous inspection report and will require a technical revision. This site is listed as an active operator however it was indicated that this site is active annually but less than 180 days a year. Please request to be an intermittent operator in the form of a technical revision.

The Division would like to remind the operator that several minor changes can be submitted under one technical revision. The operator is also encouraged to review their reclamation and mining plans to make any necessary changes.

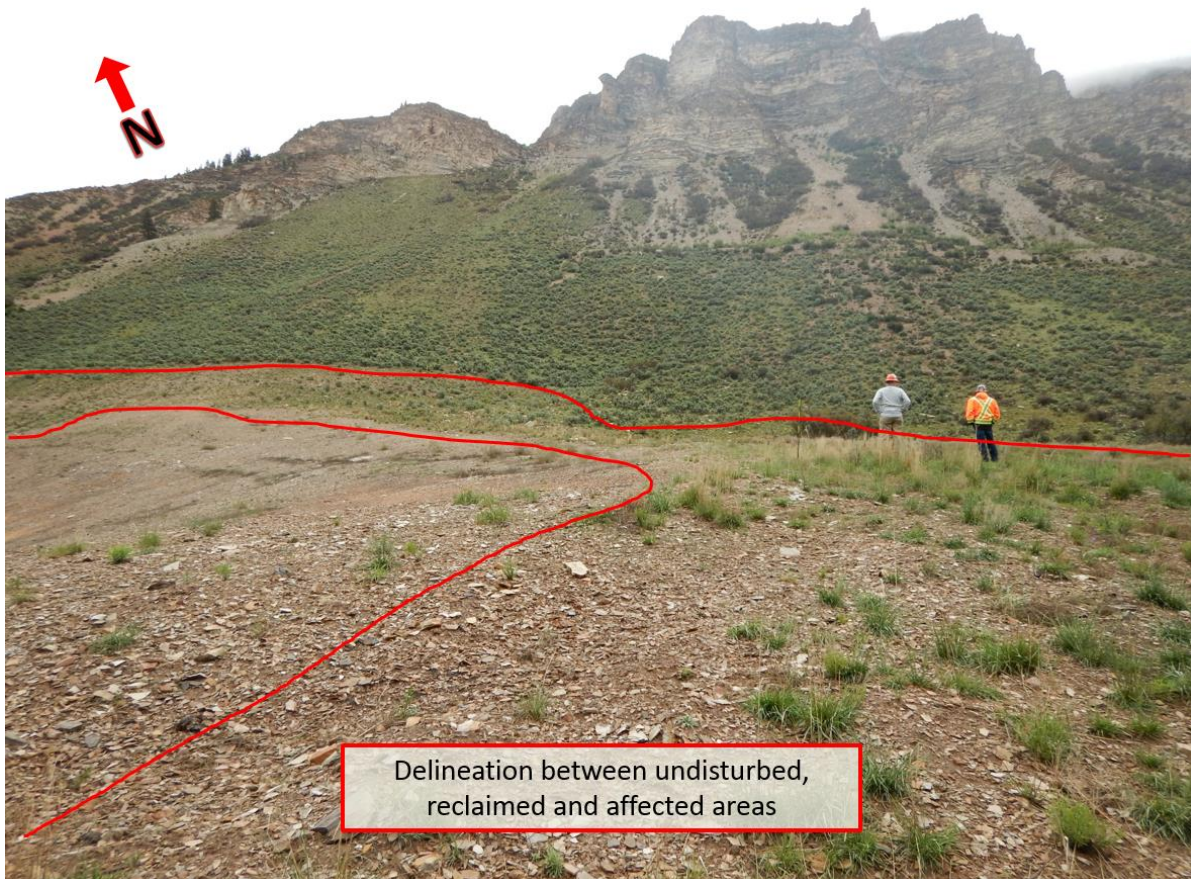
Currently the Division holds a Financial Warranty in the amount of \$36,939.00 for this site. No increases have occurred since the permit issuance in 2006. In an effort to ensure the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan the Division will be updating the reclamation cost estimate upon receipt of the technical revision.

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

### **PHOTOGRAPHS**



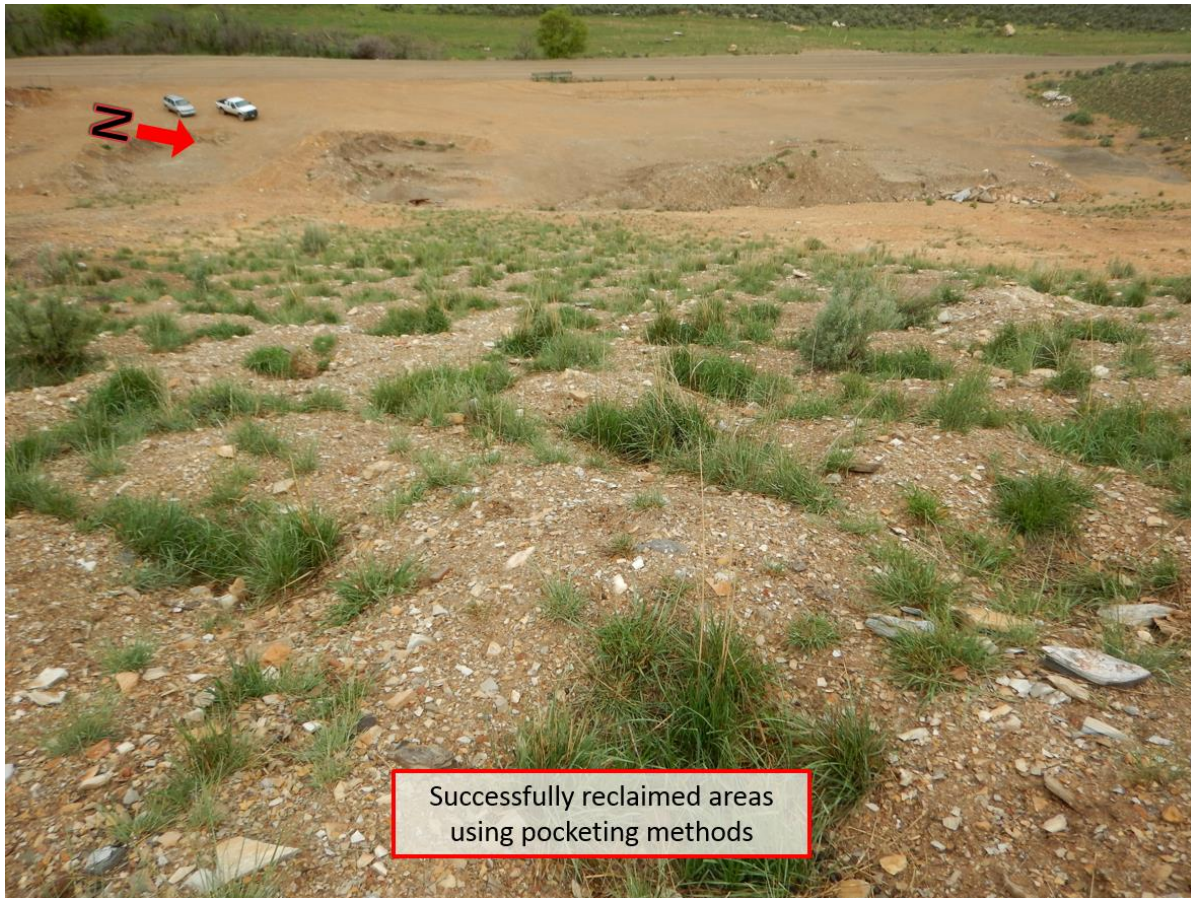
















**Inspection Contact Address**

Richard Grubbs  
Chevron USA  
760 Horizon Drive  
Grand Junction, CO 81506

Enclosure

CC:  
Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS