




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety 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> Connell Carr Pit	<b>MINE/PROSPECTING ID#:</b> M-2014-001	<b>MINERAL:</b> Sand and gravel	<b>COUNTY:</b> Weld
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> May 6, 2019	<b>INSP. TIME:</b> 11:00
<b>OPERATOR:</b> Connell Resources, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Kevin Anderson	<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> \$146,495.00	
<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> May 24, 2019	

**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>N</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>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>N</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 Connell Carr Pit was inspected by Peter Hays and Brock Bowles with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. Mr. Kevin Anderson with Connell Resources, Inc. was present during the inspection. The site was previously inspected by the Division on June 8, 2016.

The site is an 112c operation permitted for 456.0 acres with 382.0 acres of disturbance. The Mine Plan is divided into 2 phases separated by Lone Tree Creek. The 2018 annual report submitted by the Operator accurately depicts the current condition of the site. Two (2) processing plants were located in the northwest corner of the site and one (1) processing plant was located in the southern portion of the site, west of the entrance road.

Mine Phase 1 contained two (2) active highwalls and one (1) inactive highwall. The inactive highwall was located in the southwest portion of the site and was estimated at ten (10) feet in height. The highwall indicates the extent of mining excavation toward the southwest hillside. The Operator intends to backfill the highwall in the future. The active highwalls were located east of the south processing plant and southeast of the main processing plant area. The highwall located southeast of the plant area was estimated at seven (7) feet in height. The highwall located west of the south processing plant was estimated at ten (10) feet in height. Mine Phase 2 contain one active highwall estimated at fifteen (15) feet in height in two benches. The highwall was moving to the southeast.

The approved post mining land use is rangeland. Reclamation has occurred as indicated on the annual report map. Overburden and topsoil replacement was occurring concurrently with mining excavation. The overburden and topsoil stripped ahead of mining activities are placed in excavated areas behind the active excavation face. The reclaimed boundary was typically within a 100 to 200 feet of the active highwalls. The reclaimed areas northwest, west and south of the main processing plant area were establishing vegetation well. The area southeast of the main processing plant was reseeded last fall. The vegetation consisted of juvenile growth with limited variation in grass species, but was stable and appeared to be establishing well for the first season of growth. The grading completed along the northern permit boundary in Mine Phase 2 was estimated at the approved 3H:1V slope and was well blended into the natural topography.

The Division holds a current financial warranty in the amount of \$146,495.00, which appears adequate to reclaim the site based on this inspection. No noxious weeds were observed during the inspection. The Operator stated a weed sprayer was schedule soon to inspect and spray the site.

During the permit review period, the Operator committed to providing the Division a copy of the approved structure agreement with L.G. Everist, Inc. for a buried water line located under WCR 126 and west of WCR 17 and a copy of the Army Corps 404 permit prior to crossing Lone Tree Creek to mine Phase 2. The Operator had not provided the Division with the structure agreement or 404 permit as of the inspection date. The creek crossing into Phase 2 was observed during the inspection. The Operator provided a signed copy of the L.G. Everist, Inc. structure agreement and a copy of the approved 404 permit by email following the inspection. The permit commitments are considered abated by the Division.

Photographs taken during the inspection are attached. No problems were noted during the inspection. The required mine identification and boundary markers were observed as required by Rule 3.1.12.

## PHOTOGRAPHS



Connell Car mine sign



View of revegetated area located southeast of the main processing area





Highwall located southeast of the main processing area



View of concurrent reclamation, overburden replacement, located south of main processing area





View of Phase 2 reclamation along north permit boundary looking west



View of Phase 2 reclamation along north permit boundary looking southwest





View of Phase 2 reclamation along north permit boundary looking south



View of Phase 2 active highwall and concurrent reclamation activity





View of the highwall excavation located west of the southern processing area



View of the concurrent reclamation located west of the southern processing area



View of reclamation in the northwest portion of the site from the northwest corner looking southeast

**Inspection Contact Address**

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