




**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> Logan Wash	<b>MINE/PROSPECTING ID#:</b> M-1977-424	<b>MINERAL:</b> Oil shale	<b>COUNTY:</b> Garfield
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> Clear	<b>INSP. DATE:</b> October 12, 2022	<b>INSP. TIME:</b> 10:00
<b>OPERATOR:</b> Occidental Oil Shale, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Bruce Smith	<b>TYPE OF OPERATION:</b> 112 - Hard Rock Regular Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$570,428.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Travis Marshall	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> October 26, 2022	

**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>NA</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>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

### **OBSERVATIONS**

This inspection was conducted as part of the normal monitoring program established by the Colorado Division of Reclamation, Mining and Safety (DRMS). Bruce Smith of Western Water & Land, Inc. (WWL) was present during the inspection. The inspection was conducted by Travis Marshall of the DRMS.

Conditions during the inspection were sunny and approximately 65 degrees F. Evidence of a significant precipitation approximately three weeks prior to the inspection were observed. No impacts to the permitted areas were observed. The main access road to the site required major maintenance to make it passable due to the significant precipitation event.

The main focus of the inspection was to inspect current conditions of the areas requested for acreage release in the Acreage Reduction request AR-3 submitted on August 30<sup>th</sup>, 2022.

The areas evaluated for revegetative and reclamation success are Area 1 - 13.36 acres (mine dump), Area 2 – 0.74 acres (upper mine bench), Area 4 – 4.26 acres (research mine bench), Area 10 – 0.24 acres (helicopter pad), Area 13 – 2.4 acres (upper bench road, road realignment areas B2, B3, B5, B5A, B7 and B8), Soil Borrow Area – 0.65 acres. All areas total a request for release of 21.65 acres.

All areas inspected associated with AR-3 meet the requirements for adequate reclamation. The criteria for adequate reclamation is based on the performance standards in Rule 3 of the *Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for Hard Rock, Metal, and Designated Mining Operations*. All locations observed during the inspection had adequate vegetation and appeared stable with no erosional issues.

Revision request AR-3 has been determined to be approvable and a letter approving this revision will be sent under separate cover.

Photos that show the conditions observed during the inspection are included at the end of this report.

No problems or off site damage was observed during the inspection.

Responses to this inspection report should be directed to Travis Marshall at the Division of Reclamation, Mining and Safety, Grand Junction Field Office, 101 South 3<sup>rd</sup> Street, Room 301, Grand Junction, Colorado 81501, phone no. (970) 433-8281.



**PHOTOGRAPHS**









**Inspection Contact Address**

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Enclosure

CC: