




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.

MINE NAME: 2006/07 Geo-Hydro Drill & Core Prgm-Public-PRL's	MINE/PROSPECTING ID#: P-2006-037	MINERAL: Oil shale	COUNTY: Rio Blanco
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy Yeldell	INSP. DATE: May 31, 2022	INSP. TIME: 09:00
OPERATOR: Shell Frontier Oil & Gas Inc.	OPERATOR REPRESENTATIVE: Samantha Baker	TYPE OF OPERATION: MP - Mineral Prospecting	
REASON FOR INSPECTION: High Priority	BOND CALCULATION TYPE: None	BOND AMOUNT: \$168,818.66	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: U.S.BLM	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 21, 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>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>NA</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>N</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>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</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 Colorado Division of Reclamation, Mining, and Safety normal monitoring program. The 2006-07 Geo-Hydro Drill & Core Program- Public-PRL's is a Hard Rock NOI located in Rio Blanco County. Amy Yeldell of the Division conducted the inspection. Samantha Baker represented the Operator. James Roberts of the White River Field Office was also present.

The permitted NOI includes a total of 3.88 acres and has a required bond of \$18,711. In 2020 AR-1 and in 2021 SR-1 were approved to reflect progress towards the completion of final reclamation. The Division still holds \$168,818.66 in financial warranty for this site since a replacement bond has not been submitted following the approval of SR-1. Following the approval of AR-1 the following pads remain permitted; 71-8-298 and 77-11-299.

All hydrology wells have been abandoned and pads have been reclaimed. The last reclamation efforts were completed in 2015 and now are awaiting adequate vegetation establishment. Reclamation efforts were completed in 2015 and now are awaiting adequate vegetation establishment. The past winter was extremely dry with very little snow/ moisture. This spring/ early summer has been very cold with limited precipitation. Generally plants are behind schedule in germination and inspection timing is more comparable to typical March/April site conditions. Wild horse populations have significantly increased and vegetation throughout the Piceance Basin is showing signs of overgrazing. Over all pads are stable with no signs of erosion. All mining related debris has been removed from the site(s). Specific observations of each pad are listed below,

Pad 71-8-298: Culvert from the county road to pad has been removed. Desirable vegetation cover has significantly decreased since the previous inspection. Grazing pressures have drastically increased. The limited grasses have been eaten to the dirt. Cheatgrass populations appear to be increasing and pushing out the already limited desirable grass species. Evidence to recent weed treatments were observed. Hopefully summer monsoons will allow for desirable grasses to bounce back. The predominant cover type remains to be Rabbit brush which seem to be only minimally affected by grazing.

Pad 77-11-299: Nearly void of all desirable vegetation. Overall grasses are extremely low and sparse due to heavy grazing. Very few shrubs have established. Woody material is not deterring grazing impacts nearly as much as surrounding pads. Evidence of recent weed treatments observed. An exclusion fence or similar feature should be considered. Secondary seeding will likely be necessary to establish successful reclamation.

Responses to this inspection report should be directed to Amy Yeldell at the Division of Reclamation, Mining and Safety, Room 215, 1001 E 62nd Ave, Denver, CO 80216. Direct contact can be made by phone at 303-866-3567 Ext 8183 or via email at amy.yeldell@state.co.us

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PHOTOGRAPHS



