



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0150009
Inspection Type:	PARTIAL
Inspection Date:	Thursday, February 22, 2018
Start Date/Time:	2/22/2018 11:00:00 AM
End Date/Time:	2/22/2018 1:00:00 PM
Last Inspection:	Wednesday, January 24, 2018

Representatives Present During the Inspection:	
OGM	Justin Eatchel
Company	Bryant Bunnell

Inspector: Justin Eatchel

Weather: Partly cloudy, very light snow, 40F

InspectionID Report Number: 6088

Accepted by:

Permittee: **FOSSIL ROCK RESOURCES, LLC**
 Operator: **FOSSIL ROCK RESOURCES, LLC**
 Site: **FOSSIL ROCK MINE**
 Address: **225 North 5th Street, 9th Floor, CO 81501**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

3,564.83	Total Permitted
27.83	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- Federal
- State
- County
- Fee
- Other

Types of Operations

- Underground
- Surface
- Loadout
- Processing
- Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Met with Bryant Bunnell for a partial inspection of the Fossil Rock mine. The focus of the inspection was the waste rock site.

Inspector's Signature:

Justin Eatchel

Date: Tuesday, February 27, 2018

Justin Eatchel,

Inspector ID Number: 73

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining. telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • www.ogm.utah.gov



REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.
 - b. For PARTIAL inspections check only the elements evaluated.
2. Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.
3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.

	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.a Hydrologic Balance: Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.c Hydrologic Balance: Other Sediment Control Measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Signs and Markers

Correct signage was displayed at the site.

4.a Hydrologic Balance: Diversions

Diversions appear to be functioning, although most are in need of some light maintenance. Over the course of the winter months sediments have started to fill in diversions and drainage ditches, and a cleanout would be recommended. Check dams along the access road appear that they could also benefit from some light maintenance.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond was completely frozen over with a thick layer of ice.

4.c Hydrologic Balance: Other Sediment Control Measures

The wattles on top of the subsoil stockpile appear to be slowing down preferential drainage patterns within the southfacing rills.

16.a Roads: Construction, Maintenance, Surfacing

Since the sediment pond access road located to the north of the subsoil stockpile has no clear system of drainage controls, sediment and fines have started to run off of the stockpile over the road. If left to continue, rainwater and/or runoff may transport sediment off site.

16.b Roads: Drainage Controls

The sediment pond access road could benefit from a diversion and/or berm constructed between the subsoil stockpile and the adjacent access road to catch drainage rilling off of the stockpile on the north side.

ATTACHMENT A – February 28, 2018 partial inspection of Fossil Rock Waste Rock Site

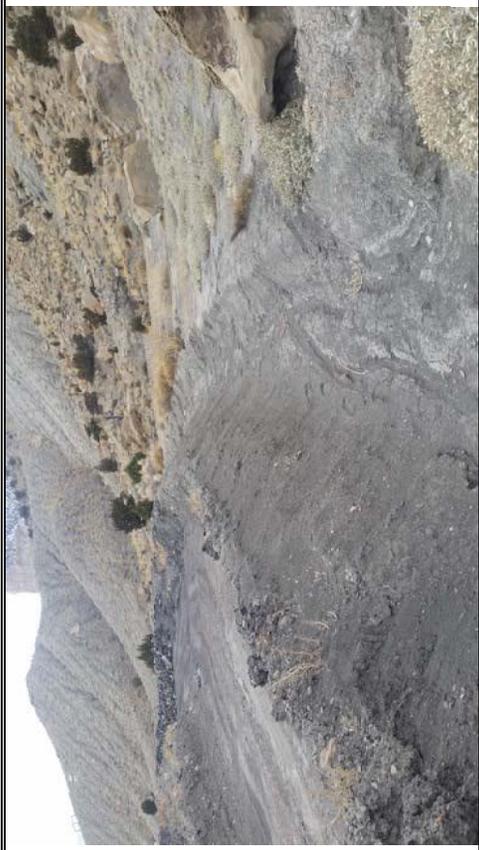


PHOTO 1 – SOUTHWEST DIVERSION DITCH
Filling in with sediment.
February 28, 2018



PHOTO 2 – SEDIMENT BASIN
The sediment basin was almost completely dry. Some young Tamarisk have taken hold.
February 28, 2018



PHOTO 3 – SEDIMENT POND
The sediment pond was completely frozen over with a thick layer of ice.
February 28, 2018



PHOTO 4 – RILLING ON SUBSOIL STOCKPILE
Waddles placed perpendicular to these south facing rills appear to have slowed the velocity of flow within the drainage channels.
February 28, 2018

<p>ATTACHMENT A – February 28, 2018 partial inspection of Fossil Rock Waste Rock Site</p>	
<p>PHOTO 5 – SUBSOIL STOCKPILE ROAD (LOOKING SOUTH)</p> <p>This road located on the north and east of the subsoil stockpile lacks any structures to divert drainage coming off of the adjacent slopes. Sediments washing off the slopes fill up the road. February 28, 2018</p>	<p>PHOTO 6 – SUBSOIL STOCKPILE ROAD (LOOKING NORTHWEST)</p> <p>This road located on the north and east of the subsoil stockpile lacks any structures to divert drainage coming off of the adjacent slopes. Sediments washing off the slopes fill up the road. February 28, 2018</p>