



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:	COMPLETE
Inspection Date:	Thursday, December 13, 2018
Start Date/Time:	12/13/2018 11:30:00 AM
End Date/Time:	12/13/2018 1:30:00 PM
Last Inspection:	Tuesday, November 27, 2018

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

Inspector: Justin Eatchel

Weather: Clear skies, Cold. 29F

InspectionID Report Number: 6319

Accepted by:

Permitee: **FOSSIL ROCK RESOURCES, LLC**

Operator: **FOSSIL ROCK RESOURCES, LLC**

Site: **FOSSIL ROCK MINE**

Address: ,

County: **EMERY**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **INACTIVE**

Current Acreages

43.82	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:

This Complete inspection of the Fossil Rock Mine was conducted on Thursday, December 13 at midday. Company representative Bryant Bunnell was present during the inspection of both the main site facilities as well as the waste rock site.

Recent snowstorms had deposited about 6 inches of snow at the main mine site, and about 1-2 inches at the waste rock site.

Inspector's Signature:

Justin Eatchel,

Inspector ID Number: 73

Date Monday, December 13, 2018



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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
22. Other	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The existing permit is current and will expire on February 21, 2020. UPDES permit #UT0023728 is currently in the process of being renewed. A record of quarterly inspections of impoundments and refuse disposal areas are current.

2. Signs and Markers

Signs designating topsoil, subsoil, and disturbance limits are in place and in good condition. A sign indicating the name, permit number, and other contact information is posted in plain view at the main mine site as well as the waste rock site.

3. Topsoil

All topsoil piles at the main site as well as the waste rock site appeared to be in stable condition. The silt fences on the south side of Topsoil pile #1 at the waste rock site had undergone some maintenance work recently to repair sections that were slumping or torn. The topsoil pile at the main site was covered with about 6-8 inches of fresh snow.

4.a Hydrologic Balance: Diversions

Diversions at the waste rock site appeared to be in stable condition, and diversions around the subsoil stockpile had seen maintenance work in recent weeks. The diversions at the main site were covered in snow but the intake culverts were all clear of debris.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond at the main site is covered in snow, and the sediment pond at the waste rock site is at approximately 1/3 capacity and frozen.

4.c Hydrologic Balance: Other Sediment Control Measures

Recently a small swath of the subsoil stockpile was pocked to discourage runoff and promote vegetative cover.

15. Cessation of Operations

A letter from the Permittee dated October 15, 2018 requested that the Fossil Rock Mine and Waste Rock Site be given cessation status for the present time.

16.b Roads: Drainage Controls

Drainage ditches parallel to roads appeared to be stable and functioning.

20. Air Quality Permit

Air quality permit #DAQE-EN156760001-16 was issued September 7, 2016.

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21. Bonding and Insurance

Division records indicate that a surety bond in the amount of \$1,168,000 is currently held with Endurance Assurance Co., an A+ rated surety company. The amount was recently increased by \$14,000 on 12/7/2018 as a result of midterm permit review. Insurance is provided through Great Midwest Insurance Co, and expires on February 1, 2019.

ATTACHMENT A – December 13, 2018 Complete inspection



PHOTO 1 – POSTED PERMIT, MAIN SITE

The south end of the permit area.

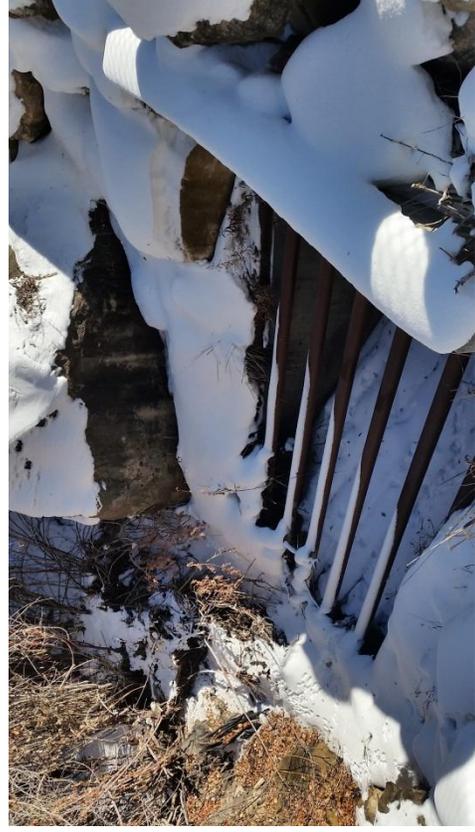


PHOTO 2 – INTAKE CULVERT, MAIN SITE

Looking due east. Culvert intake appears clear.



PHOTO 3 – INTAKE CULVERT, MAIN SITE

Looking north.



PHOTO 4 – DIVERSION, MAIN SITE

The inlet of the 48" CMP culvert that diverts runoff underneath the topsoil stockpile west of the buildings.

ATTACHMENT A – December 13, 2018 Complete inspection



PHOTO 5 – SEDIMENT POND, MAIN SITE

There was no moisture in this pond prior to the snow that now blankets the site.

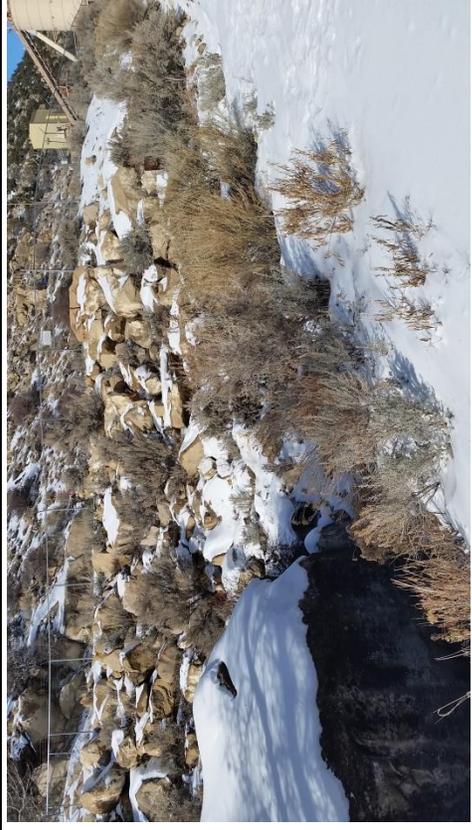


PHOTO 6 – FENCING AND SIGNS

The fencing and posted signage is in good repair along the County road.



PHOTO 7 – 66” CULVERT OUTLET, MAIN SITE

The water flowing from the culvert is Cottonwood mine water discharge. The flow dries up a mile down canyon from this point.

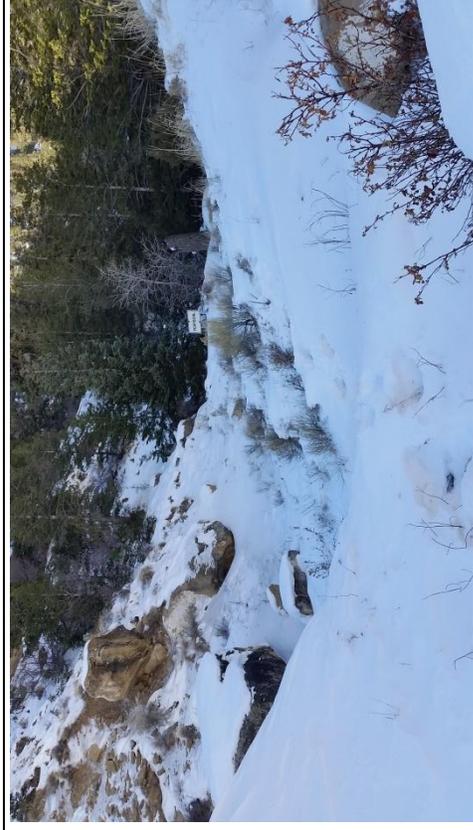


PHOTO 8 – TOPSOIL STOCKPILE, MAIN SITE

Not much of the topsoil stockpile is visible through the 6 – 7 inches of freshly fallen snow.

ATTACHMENT A – December 13, 2018 Complete inspection



PHOTO 9 – SILT FENCE, WASTE ROCK SITE
The newly installed silt fence at the base of Topsoil pile #1. The old silt fence was tattered and sagging in places.



PHOTO 10 – SILT FENCE, WASTE ROCK SITE
Newly installed silt fence at the base of Topsoil pile #1.



PHOTO 11 – PERMIT SIGN, WASTE ROCK SITE
Topsoil pile #3 just behind this sign.

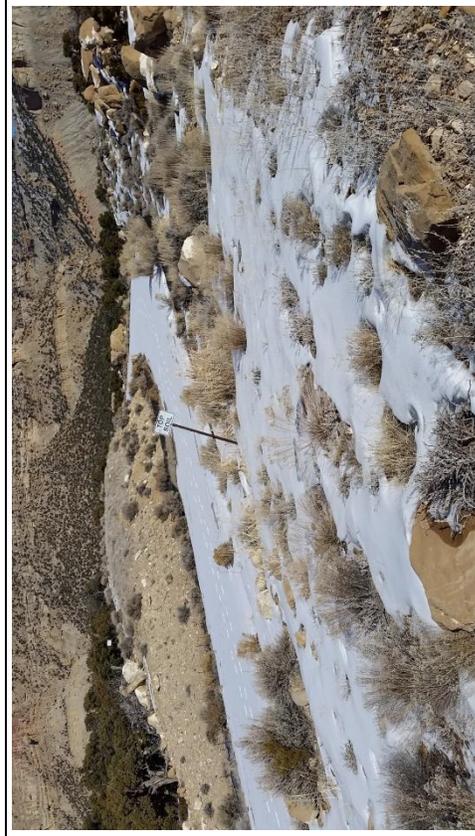


PHOTO 12 – TOPSOIL PILE #2, WASTE ROCK SITE
Topsoil pile #2 is bisected by the access road.

ATTACHMENT A – December 13, 2018 Complete inspection



PHOTO 13 – SUBSOIL STOCKPILE, WASTE ROCK SITE
This is the newly pocketed section on the north end.



PHOTO 14 – SEDIMENT POND, WASTE ROCK SITE
Approximately 1/3 capacity and frozen over.



PHOTO 15 – DIVERSION DITCH, WASTE ROCK SITE
This runs along the north side of the disturbed area.

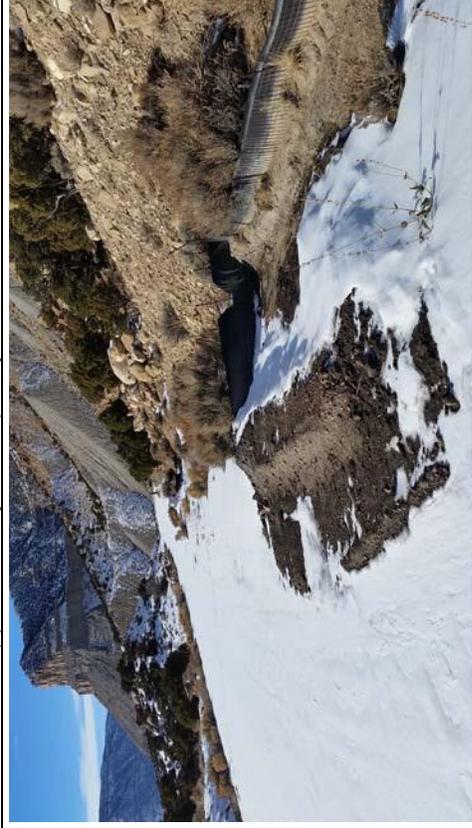


PHOTO 16 – DIVERSION DITCH, WASTE ROCK SITE
This diversion runs parallel to the access road, and check dams like this are installed at periodic intervals.