



# 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:   | <b>C0150009</b>           |
| Inspection Type: | PARTIAL OVERSITE          |
| Inspection Date: | Monday, May 13, 2019      |
| Start Date/Time: | 5/13/2019 1:00:00 PM      |
| End Date/Time:   | 5/13/2019 4:45:00 PM      |
| Last Inspection: | Wednesday, March 27, 2019 |

| Representatives Present During the Inspection: |                |
|--|----------------|
| OGM  | Justin Eatchel |
| Company  | Chris Hansen   |
| Company  | Bryant Bunnell |
| OSM  | Tom Medlin     |

Inspector: Justin Eatchel

Weather: Mostly sunny, 70F

InspectionID Report Number: 6419

Accepted by:

Permittee: **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 | <b>Total Permitted</b> |
| 27.83 | <b>Total Disturbed</b> |
|       | <b>Phase I</b>         |
|       | <b>Phase II</b>        |
|       | <b>Phase III</b>       |

#### 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:

The Division met with OSM inspector Tom Medlin as well as Wolverine representatives Bryant Bunnell and Chris Hansen at the main mine site for this partial oversight inspection. The site was visually inspected from the Cottonwood Creek intake culvert on the north to the sediment pond on the south. The abundance of snow that was present during the last inspection in late March had completely melted and the site appeared stable.

Inspector's Signature:

Justin Eatchel,  
Inspector ID Number: 73

Date: Tuesday, May 14, 2019



**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 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 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 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 checked="" 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 checked="" type="checkbox"/> | <input type="checkbox"/>            | <input checked="" 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 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 type="checkbox"/>            | <input type="checkbox"/>            | <input type="checkbox"/> |
| 18. Support Facilities, Utility Installations                    | <input checked="" 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**

Signs designating topsoil, subsoil, and disturbance limits are in place and in good condition. Signs indicating the name, permit number, and other contact information are posted in plain view on the chain link fence adjacent to the Cottonwood Creek intake culvert, and again along the county road just south of the sediment pond.

## **3. Topsoil**

The topsoil pile appeared stable and thickly vegetated with grasses and shrubs. There are several rows of silt fences that have been installed on the surface of the topsoil pile, although they are slightly obscured by vegetation in spots.

### **4.a Hydrologic Balance: Diversions**

Diversions appeared clear and free of debris. The 24" CMP riser that collects Cottonwood Mine discharge water also appeared clear and free of debris. The minewater flow appeared higher than usual.

### **4.b Hydrologic Balance: Sediment Ponds and Impoundments**

The sediment pond was dry.

## **8. Noncoal Waste**

There was a small amount of noncoal waste (e.g. glass, roofing shingles, etc.) scattered around the abandoned mine offices.

## **10. Slides and Other Damage**

Aluminum paneling is peeling away from the mine offices in places here and there, and signs of vandalism are evident in the form of broken glass and kicked in doors. None of the vandalism appears to be recent.

## **15. Cessation of Operations**

Permittee requested temporary cessation status on October 15, 2018. Permittee requested cessation status on October 15, 2018.

### **16.b Roads: Drainage Controls**

A small washout has started to form along the County road just south of the Permit area.

**ATTACHMENT A – May 13, 2019 Partial Oversight inspection**



**PHOTO 1 – POSTED PERMIT, MAIN SITE**  
Posted along the County road just south of the Permit area.



**PHOTO 2 – INTAKE CULVERT, MAIN SITE**  
Looking due north. Culvert intake appears clear. Snowmelt runoff is currently flowing through the culvert.



**PHOTO 3 – CONCRETE GUTTER, MAIN SITE**  
The gutters that run parallel to the County road were clean and clear of debris.



**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 – May 13, 2019 Partial Oversight inspection**


**PHOTO 5 – SEDIMENT POND, MAIN SITE**  
Winter snows have melted, and the pond is completely dry.



**PHOTO 6 – SEDIMENT POND, MAIN SITE**  
An alternate view looking north.



**PHOTO 7 – 66" CULVERT OUTLET, MAIN SITE**  
The water flowing from the culvert is Cottonwood mine water discharge plus snowmelt runoff.



**PHOTO 8 – COTTONWOOD MINE DRAINAGE**  
This 24" drop culvert captures the Cottonwood Mine water drainage in route to Cottonwood Creek.