



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:	C0430008
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, June 26, 2018
Start Date/Time:	6/26/2018 8:15:00 AM
End Date/Time:	6/26/2018 9:25:00 AM
Last Inspection:	Tuesday, June 20, 2017

Representatives Present During the Inspection:
OGM Joe Helfrich

Inspector: Joe Helfrich

Weather: warm 70 sunny

InspectionID Report Number: 6176

Accepted by: DHADDOCK
7/11/2018

Permitee: **SUMMIT COAL CO**
 Operator: **SUMMIT COAL CO**
 Site: **BOYER MINE**
 Address: ,
 County: **SUMMIT**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **RECLAIMED**

Current Acreages

129.00	Total Permitted
7.00	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:

The purpose of this site visit was to conduct an annual inspection of this bond forfeiture site. The historical overview is also included in this report. Mining was conducted on this site as early as 1897. The reclaimed site is located approximately 11 miles east of Coalville, Utah, in Summit County along the Chalk creek road SR 133. Summit Coal Company proposed to operate a small underground mine and disturbed about six acres in preparation to mine coal. However, the mine never operated to full capacity, producing mostly waste-rock. Bond forfeiture proceedings for the Boyer Mine were initiated June 23, 1989, and the Boyer Mine permit was revoked by the Division of Oil, Gas, and Mining August 4, 1989. The portals were sealed under separate contract on October 5, 1990. Inspections of this site continued on a monthly basis through September of 1994. Inspections have since been conducted annually. Reclamation activities administered by the AMR program commenced on November 3, 1994 and were completed April 17, 1995.

Since the reclaimed area is stable well vegetated and there are no off-site impacts the Division is terminating jurisdiction under the Title V coal program for this site. A copy of this report will be provided to the current land owner for the property, Chris E. Vernon P O BOX 465 142 South 50 East # 103, Coalville, Utah 84107

Inspector's Signature: *Joe Helfrich*

Date: Wednesday, June 27, 2018

Joe Helfrich,
Inspector ID Number: 1



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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.d Hydrologic Balance: Water Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
10. Slides and Other Damage	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS check	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. Permits, Change, Transfer, Renewal, Sale

The permit was revoked when the bond was forfeited in 1989 at which time the Division assumed responsibility for ensuring that the site was properly reclaimed. The results of the 23 years of inspections indicate a stable, vegetated site, with no off site impacts.

2. Signs and Markers

The only sign on the property is a no trespassing sign lying on the ground beside the gate that is located adjacent to the East Chalk Creek road, SR133. The property is fenced and the perimeter of the reclaimed area is readily identifiable by the established vegetation. The property has been leased to Kenny Jacobsen by Chris Vernon for grazing. Mr. Jacobsen has added a lock to the gate.

3. Topsoil

All salvageable topsoil was used in the recalculation of the site. The reclamation methods and current establishment of vegetation have kept the topsoil in place with no signs of erosion.

4.a Hydrologic Balance: Diversions

Two natural drainage ways were diverted during the operational phase of the mine. One drainage located on the western edge of the permit area and the other on the eastern edge. The natural, un-disturbed drainages that were diverted and subsequently reclaimed, did not show signs of erosion, gulying or cutting. No off-site impacts were observed in connection with these drainages. The larger diversion located along the eastern portion of the permit area was observed to be in good condition. During the operational phase of the mine, a 36" culvert had been installed to divert undisturbed drainage under the mine-site. Upon reclamation, the culvert was removed and the channel was fortified with a filter blanket and riprap and then backfilled with topsoil and seeded. During the time of this inspection, this drainage channel was observed to be stable and well vegetated. As with the eastern most drainage diversion, the western diversion was reclaimed in the same manner (i.e. fortified with filter blanket, riprap, backfilled with topsoil and seeded). The western drainage was observed to be stable and well vegetated. No signs of excessive erosion or cutting were noted during the inspection of the western-most drainage channel. The vegetation on the site looks good and appears to be adequate to control erosion. The 24" culvert at the end of the channel was clean and showed no signs of erosion at the inlet or outlet on either side of the Chalk Creek road.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The location of the sediment pond was observed at the time of this inspection. The sediment pond has been backfilled and vegetated. The area where the pond is located is stable and does not show evidence of erosion, gulying or slumping. Some sediment from the hill side above the pond generated during a 2012 storm had filtered its way through the vegetation and into the pond area. Vegetation is now well established in the channel, in the pond area and below the pond area. No impacts to the pond area or the channel were noted during this inspection.

4.d Hydrologic Balance: Water Monitoring

The potable water well located near the main entrance to the site is surrounded by large cobble rip rap. The well head itself is covered with a welded steel cap. This structure was left in place during reclamation at the request of the land owner.

9. Protection of Fish, Wildlife and Related Environmental Issues

The Boyer Mine Site does not appear to present any potential for impacting fish or wildlife. As previously noted, the site is stable. The established vegetation and soil reclamation work appears to have been successful at preventing off-site impacts from occurring. There is evidence of deer and elk in the reclaimed area indicating that they are feeding on the established grasses, forbs and shrubs. The area is also grazed periodically.

13. Revegetation

The vegetation on the site looks good and is adequate to control erosion as evidenced by previous inspections. The grasses and forbs in the main channel and along the edges of the channel are well established. There appears to be better vegetation on the reclaimed site than on the adjacent areas that are comprised mainly of Pinyon / Juniper, Sage brush and Scrub oak. The noxious weed Whitetop is prevelant throughout the site. This noxious weed species probably germinated when the soil was disturbed during the backfilling and grading of the site. Although prevelant the whitetop does not seem to be out competing the other grasses and forbs on the reclaimed site. DOGM biologist (Joe Helfrich) met with Cade Willoughby (Summit County Weed Enforcement Officer) on June 20th 2017. Portions of the sight were sprayed with Weedmaster on June 20th, 2017. Additional spraying was completed on June 28th. A final spraying is scheduled for July 11th, 2018. Plant species observed included Western Wheat grass, Slender Wheat grass, Kentucky blue grass, Goat's beard, Yellow Sweet clover, Snake weed, Gumweed, Bitter brush, Rabbit brush, four Wing Salt bush, Mountain brome and Indian Rice grass. A copy of the seed mix used for reclamation is available for reference in the Abandon Mine Reclamation (AMR) files, (AMR/043/909).

16.a Roads: Construction, Maintenance, Surfacing

There are no roads on the reclaimed site.

18. Support Facilities, Utility Installations

As noted in section 4d there is one capped well on the property that was left in place at the request of the land owner.

21. Bonding and Insurance

As noted in the summary bond forfeiture proceedings for the Boyer Mine were initiated June 23, 1989.

































