



**GARY R. HERBERT**  
Governor

**GREG BELL**  
Lieutenant Governor

# 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, September 01, 2015
Start Date/Time:	9/1/2015 3:00:00 PM
End Date/Time:	9/1/2015 4:00:00 PM
Last Inspection:	Monday, August 25, 2014

Representatives Present During the Inspection:  
OGM Joe Helfrich

Inspector: Joe Helfrich

Weather: overcast light rain

InspectionID Report Number: 5321

Accepted by: JHELFRIC  
10/1/2015

Permittee: **SUMMIT COAL CO**

Operator: **SUMMIT COAL CO**

Site: **BOYER MINE**

Address: ,

County: **SUMMIT**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **FORFEITURE**

#### Current Acreages

129.00	<b>Total Permitted</b>
7.00	<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 purpose of this site visit was to conduct an annual bond forfeiture site inspection. Historical overview: 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. 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 Bond forfeiture proceedings for the Boyer Mine were initiated June 23, 1989, and the Boyer Mine permit was revoked by the Division of Oil, Gas, and Mining August 4, 1989.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 both sites continued on a monthly basis through September of 1994. Inspections are now conducted annually. Reclamation activities administered by the AMR program commenced on November 3, 1994 and were completed April 17, 1995.

The results of this inspection indicate that the site is stable, vegetation is established and there are no off site impacts. It is recommended that the Division initiate termination of jurisdiction at the site pending concurrence with the land owner.

Inspector's Signature

*Joseph C. Helfrich*  
Joe Helfrich,  
Inspector ID Number: 1

Date Thursday, September 01, 2015



**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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 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 20 years of inspections indicate a stable, vegetated site, with no off site impacts. It is recommended that the Division seek termination of jurisdiction pending notification and concurrence with the land owner.

## **2. Signs and Markers**

The only sign on the property is a no trespassing sign attached to 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.

## **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 excessive 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. During the time of the 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 and backfilled). 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 grasses and forbs in the main channel were matted down and some debris from above the reclaimed site was deposited along the edges of the channel. The 24" culvert at the end of the channel was clean.

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

The location of the former sediment pond was observed at the time of the inspection. The sediment pond has been backfilled and vegetated. The area of the sediment pond 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. Portions of the channel below the pond have shown evidence of volunteer vegetation establishment. No impacts to the pond 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 and is locked.

#### **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 in the established grasses, forbs and shrubs.

#### **13. Revegetation**

The vegetation on the site looks good and appears to be adequate to control erosion as evidenced by the 2012 storm observed by the adjacent landowner, (Brent Boyer). The grasses and forbs in the main chanel and along the edges of the chanel are well established. There appears to be better vegetation on the reclaimed site than on the adjacent areas. There are some skeletons of weeds in a few areas at the mine (Musk Thistle and White top). These noxious species would probably be on the site whether it had been mined or not due to volunteers coming in from adjacent land. Other 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 AMR files, (AMR/043/909).

#### **21. Bonding and Insurance**

Bond forfeiture proceedings for the Boyer Mine were initiated in June 23, 1989, and the Boyer Mine permit was revoked by the Division of Oil, Gas, and Mining on August 4, 1989.







