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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 28, 2016
Start Date/Time:	6/28/2016 8:00:00 AM
End Date/Time:	6/28/2016 9:15:00 AM
Last Inspection:	Tuesday, September 01, 2015

Representatives Present During the Inspection:
OGM Joe Helfrich

Inspector: Joe Helfrich,
Weather: Sunny 56
InspectionID Report Number: 5566
Accepted by: JHELFRIC
7/7/2016

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 Bond forfeiture proceedings for the Boyer Mine were initiated June 23, 1989, and the Boyer Mine permit was revoked by the Division of Oil, Gas, and Mining August 4, 1989.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

Inspector's Signature: Joseph C. Helfrich
Joe Helfrich,
Inspector ID Number: 1

Date Tuesday, July 05, 2016

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

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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 performace 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	☑	☐	☑	☐
2. Signs and Markers	☑	☐	☑	☐
3. Topsoil	☑	☐	☑	☐
4.a Hydrologic Balance: Diversions	☑	☐	☑	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☑	☐	☑	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☑	☐	☐
4.d Hydrologic Balance: Water Monitoring	☑	☐	☑	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☑	☐	☐
5. Explosives	☐	☑	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☑	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☑	☐	☐
8. Noncoal Waste	☐	☑	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☑	☐	☑	☐
10. Slides and Other Damage	☐	☑	☐	☐
11. Contemporaneous Reclamation	☐	☑	☐	☐
12. Backfilling And Grading	☐	☑	☐	☐
13. Revegetation	☑	☐	☑	☐
14. Subsidence Control	☐	☑	☐	☐
15. Cessation of Operations	☐	☑	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☑	☐	☐
16.b Roads: Drainage Controls	☐	☑	☐	☐
17. Other Transportation Facilities	☐	☑	☐	☐
18. Support Facilities, Utility Installations	☐	☑	☐	☐
19. AVS Check	☐	☑	☐	☐
20. Air Quality Permit	☐	☑	☐	☐
21. Bonding and Insurance	☑	☐	☑	☐
22. Other	☐	☑	☐	☐

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 21 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 recalmation 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, gullying 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 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 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, gullying 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 and remains 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 occuring. 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 is 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 that are comprised mainly of Pinyon / Juniper, Sage brush and Scrub oak. The noxious weed Whitetop is prevelant throughout the site. This noxious 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 will meet with Cade Willoughby (Summit County Weed Enforcement Officer) to determine if and when the Whitetop should be sprayed. 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).

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. DOGM will determine if there is any bond amount remaining that could by applied to weed control at the site.