GARY R. HERBERT
Governor

SPENCER J. COX
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

July 12, 2018

Ms. Alexis Long
Office of Surface Mining Reclamation and Enforcement
1999 Broadway, Suite 3320
Denver, Colorado 80202

Subject: Completion of Reclamation and Removal from Inspectable Units List, Boyer Mine (C/043/0008) and Summit Minerals #1 Mine (C043/0001), Summit County, Utah

Dear Ms. Long:

The Boyer Mine and the Summit #1 Mine were both bond forfeiture sites that were reclaimed by the Division in 1997. The Division has continued to monitor the sites since that time. An inspection was conducted on June 26, 2018 and both sites continue to be stable and well vegetated. Reclamation has been successful and the land is being used for ranching operations by the landowners. A copy of the Inspection reports is attached.

The Division has determined that reclamation has been completed and the two mines will be removed from the Utah Inspectable Units list.

If you have any questions, please call me at (801) 538-5325.

Sincerely,

Daron R. Haddock
Coal Program Manager

DRH/ss
Attachments
cc: Howard Strand
O:\043008.BOY\Remove from IUL.doc

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

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DEPARTMENT OF NATURAL RESOURCES

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JOHN R. BAZA
Division Director

Inspection Report

Permit Number:	C0430001
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, June 26, 2018
Start Date/Time:	6/26/2018 9:30:00 AM
End Date/Time:	6/26/2018 10:15:00 AM
Last Inspection:	Tuesday, June 27, 2017

Representatives Present During the Inspection:
OGM Joe Helfrich

Inspector: Joe Helfrich,

Weather: sunny warm 70

InspectionID Report Number: 6177

Accepted by: DHADDOCK
7/11/2018

Permitee: **SUMMIT MINERALS INC**
Operator: **SUMMIT MINERALS INC**
Site: **SUMMIT #1 MINE**
Address: **,**
County: **SUMMIT**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **RECLAIMED**

Current Acreages

14.00	Total Permitted
14.00	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- [ ] Federal
- [ ] State
- [ ] County
- [x] 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 bond forfeiture site visit was to conduct an annual inspection of the reclaimed area , pad and shop. This report includes a historical overview of the proposed mining operations. The Summit #1 mine was not permitted under the Title V coal program. The collateral bond was forfeited on September 25, 1995. The site was abandoned, leaving the disturbed area from previous mining operations un-reclaimed. Inspections continued in accordance with the requirements of the Utah Coal Regulatory program (R645-400) through September 1, 1995 when the disturbed area was reclaimed under the guise of the Title IV Abandoned Mine Program. Reclamation commenced in 1997 and was completed in 1998. The access road, bridge, shop and associated pad were left in place during reclamation at the request of the land owner.

The site is a bond forfeiture site and classified as such for the purpose of as-needed inspections in accordance with R645-100-200. This inspection revealed that there were no off-site impacts to watersheds, streams, (Chalk Creek), or adjacent agricultural areas.

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(s) for the property, Douglas Dawes 1096 Diamond Drive, Arcata California 95521. The Trustee for the property is Gary Boyer 5925 South 1075 East, South Ogden, Utah 84405

Inspector's Signature: Joe Helfrich **Date** Wednesday, June 27, 2018

Joe Helfrich,
Inspector ID Number: 1

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

Permit Number: C0430001
Inspection Type: COMPLETE
Inspection Date: Tuesday, June 26, 2018

Inspection Continuation Sheet

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 mine was not permitted under title V of the Utah Coal Regulatory Program.

2. Signs and Markers

There are no signs or markers at this site. There is a locked gate at the entrance to the property. There is also a locked gate at the entrance to the shop area. Fencing and vegetation established through reclamaiton define the boundaries of the reclaimed areas.

3. Topsoil

The topsoil at this site contains a fair amount of gravel. Grasses and forbs with a fair amount of volunteer sage brush plants are present. This year's precipitation during the Spring has resulted in an increase in the overal percent cover (occular estimation) of the vegetation at this site.

4.a Hydrologic Balance: Diversions

There is some evidence of a diversion and or game trail above the reclaimed highwall extending around the upper portion of the site. The reclaimed slopes meet the surrounding approximate original contour (AOC) and are stable.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The sediment pond remains in place as a wildlife enhancement structure most likely when there is water in it in the early spring or after a heavy rain. The embankments of the pond are stable and heavily vegetated, requiring no maintenance. The pond was dry at the time of this inspection.

8. Noncoal Waste

There was no trash or debris at the site.

9. Protection of Fish, Wildlife and Related Environmental Issues

There were several deer beds in the oakbrush around the south side of the reclaimed area. Turkeys have been feeding in the understory near the sediment pond.

10. Slides and Other Damage

There was no evidence of slides or other damage at the reclaimed site.

13. Revegetation

The vegetation is well established at this site. The areas along the road near the entrance from the main highway have not shown any evidence of musk thistle as in the past. The percent cover (on the reclaimed area) appears to be increasing from the 2017 inspection. Species observed include the following: Great Basin Wild rye, Gumweed, Sage brush, Gamble oak, Silky lupine, Yellow Sweet clover, Palmer penstomen, Mountain brome, Western Wheat grass, Salina Wild rye and Slender Wheat grass.

16.a Roads: Construction, Maintenance, Surfacing

The access road to the mine site is the only remaining road. The condition of the access road and side slopes observed during inspection were stable. The side slopes of the road remain vegetated with no evidence of erosion or rills. The bridge crossing was stable with no evidence of scouring or undercutting observed at the time of the inspection. The embankments on both sides of the bridge were also stable.

16.b Roads: Drainage Controls

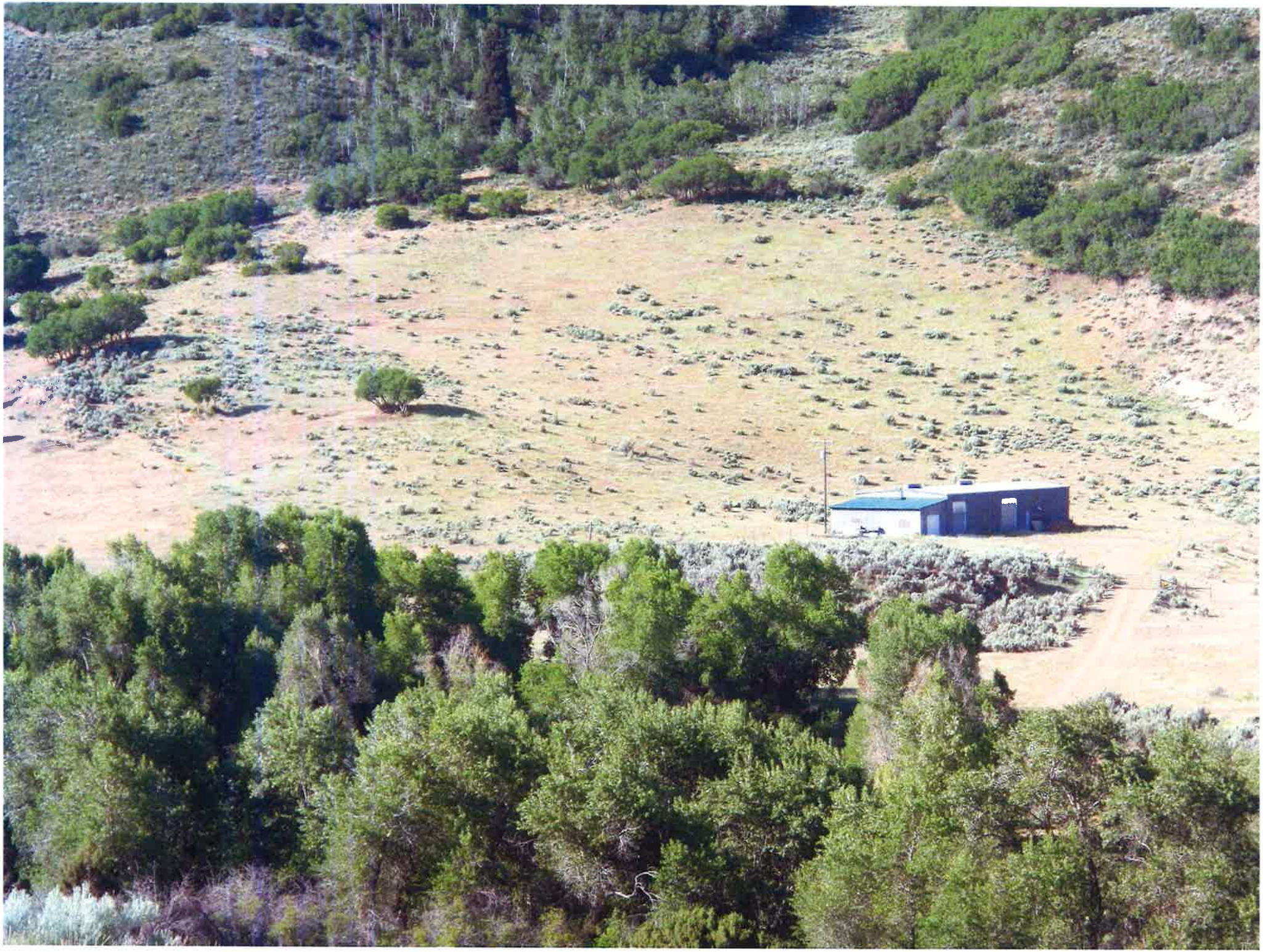
The access road to the now reclaimed site is a one lane road with a good gravel road base. There were no ditches, berms or culverts asociated with this existing road that was left in place at the request of the land owner as noted in the summary statement.

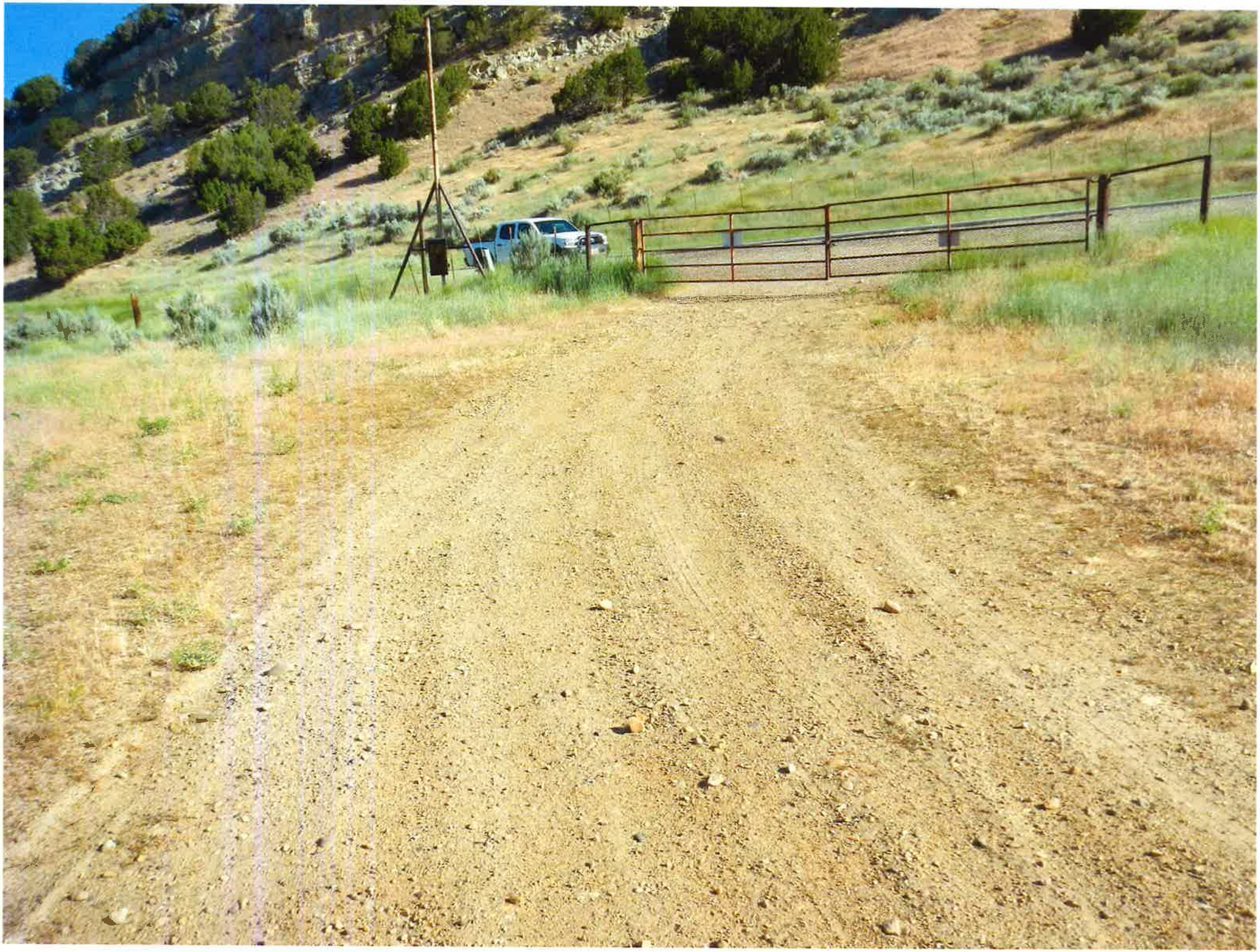
18. Support Facilities, Utility Installations

The pad and shop remain in good condition. These items were also left in place during reclamation at the request of the land owner as noted in the summary statement.

21. Bonding and Insurance

As noted in the summary section of this report, the collateral bond was forfeited on September 25, 1995.





PRIVATE
PROPERTY
TRESPASSING

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, 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

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

UTAH DNR OIL, GAS & MINING

Permit Number: C0430008
Inspection Type: COMPLETE
Inspection Date: Tuesday, June 26, 2018

Inspection Continuation Sheet

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. *Substantiate the elements on this inspection by checking the appropriate performance standard.*
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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 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 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 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 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, 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. 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 occuring. 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

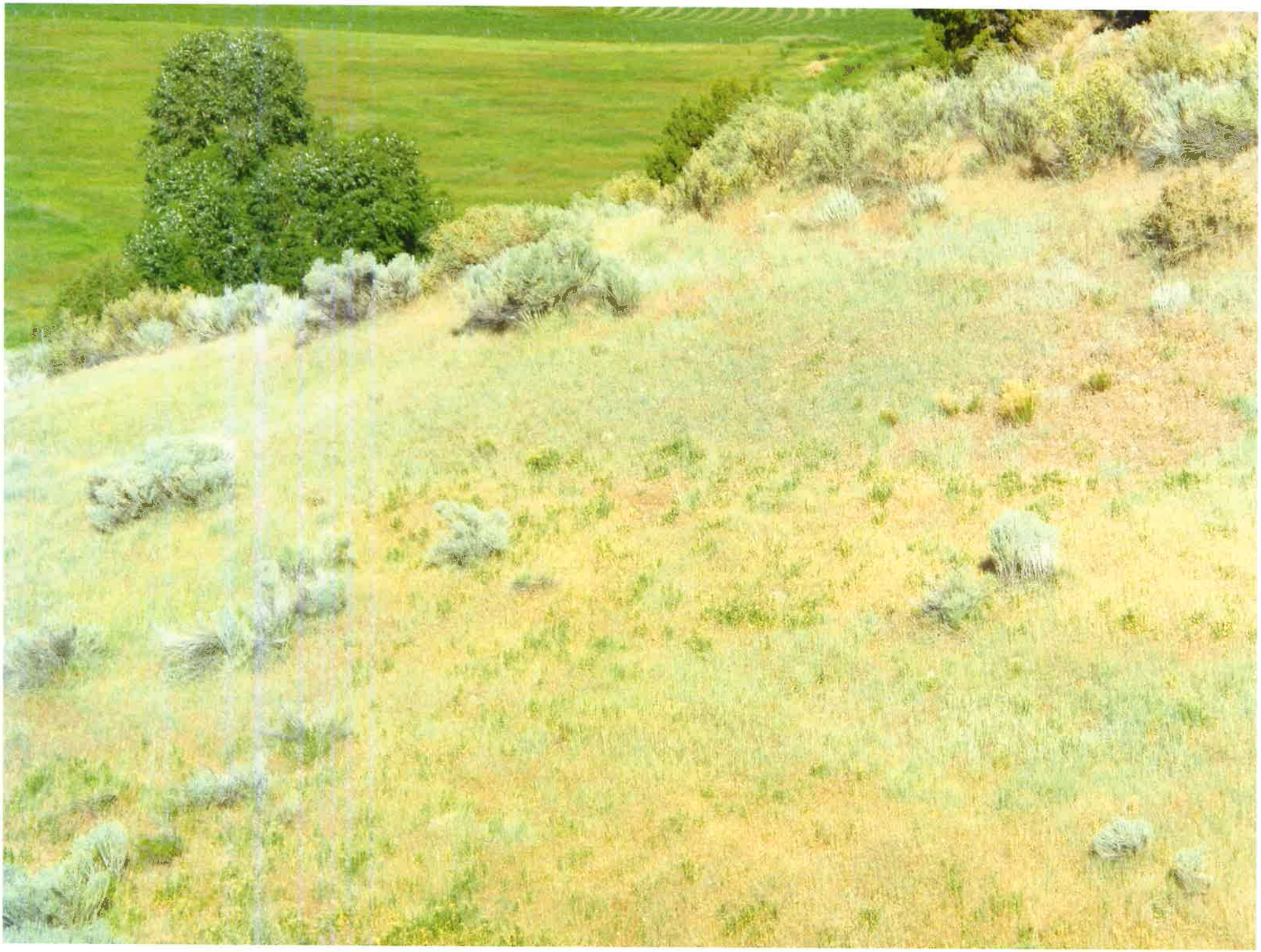
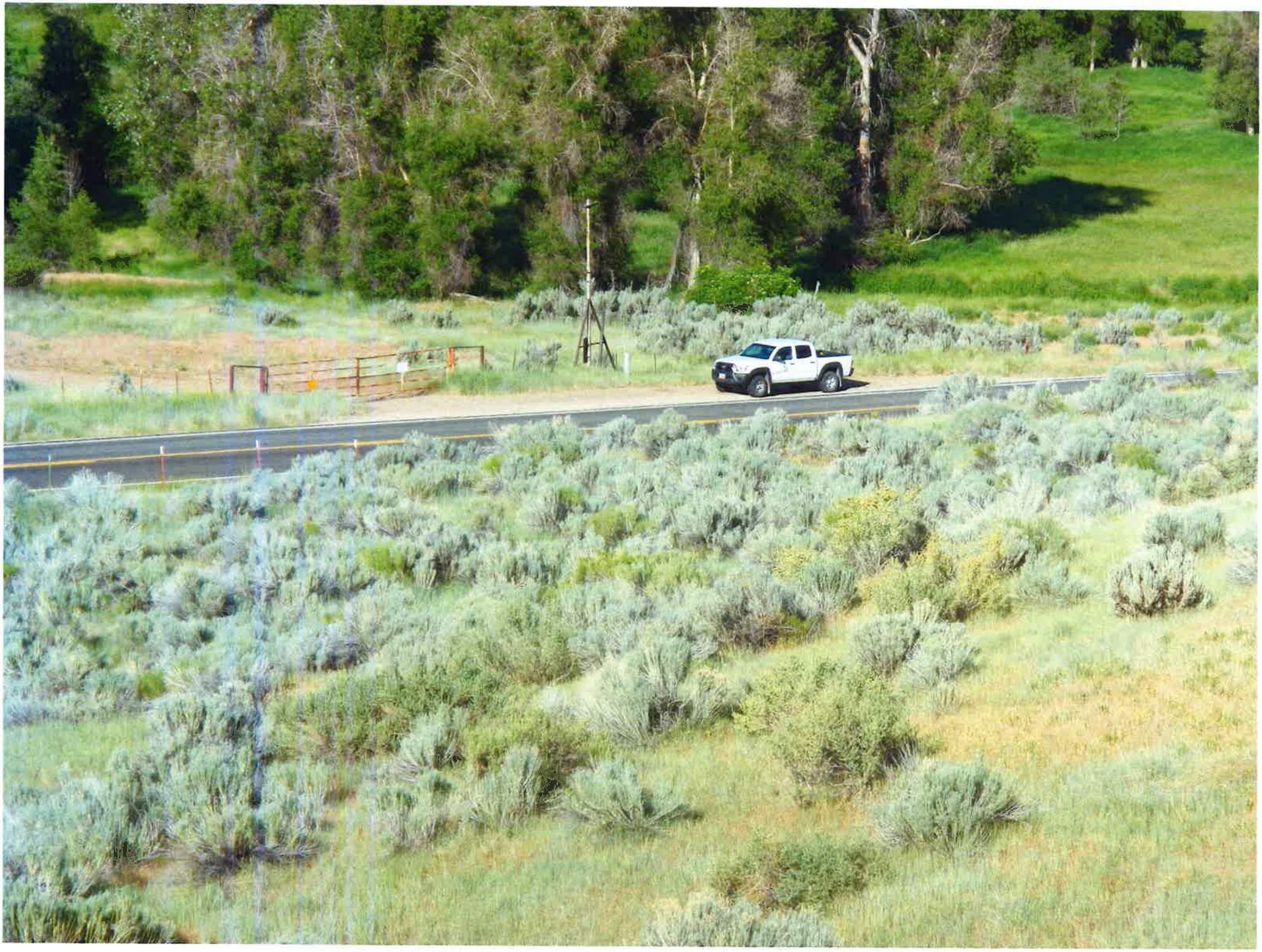
The vegetation on the site looks good and is adequate to control erosion as evidenced by previous inspections. The grasses and forbs in the main channel and along the edges of the channel are well established. There appears to be better vegetation on the reclaimed site than on the adjacent areas that 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.