



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:	C0150025
Inspection Type:	COMPLETE
Inspection Date:	Tuesday, December 19, 2017
Start Date/Time:	12/19/2017 11:00:00 AM
End Date/Time:	12/19/2017 1:30:00 PM
Last Inspection:	Wednesday, December 13, 2017

Inspector: Joe Helfrich

Weather: Sunny 47

InspectionID Report Number: 6044

Accepted by:

Representatives Present During the Inspection:	
Company	Jaren Jorgensen
OGM	Todd Miller
OGM	Joe Helfrich

Permittee: **CASTLE VALLEY MINING LLC**

Operator: **CASTLE VALLEY MINING LLC**

Site: **BEAR CANYON MINE**

Address: **2352 NORTH 7TH STREET, UNIT B, GRAND JUNCTION CO 81501**

County: **EMERY**

Permit Type: **PERMANENT COAL PROGRAM**

Permit Status: **ACTIVE**

#### Current Acreages

10,991.83	<b>Total Permitted</b>
35.02	<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 a complete inspection at the Bear Canyon mine. The mine is currently active

Inspector's Signature:

**Joe Helfrich**

Joe Helfrich,

Inspector ID Number: 1

Digitally signed by Joe Helfrich  
DN: cn=Joe Helfrich, o=Oil Gas & Mining,  
ou=DNR, email=joe Helfrich@utah.gov,  
c=US  
Date: 2018.02.12 15:13:08 -07'00'

Date Thursday, December 21, 2017



**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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9. Protection of Fish, Wildlife and Related Environmental Issues	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>
19. AVS Check	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## **1. Permits, Change, Transfer, Renewal, Sale**

There are no pending permitting actions. Rhino Energy has prepared an amendment to permit a waste rock site near the ball park. The site will include the ball park and areas adjacent to Bear creek on either side of the park (4-6 acres total). Other options include permitting Pacificorps Deer Creek waste rock site. A minor amendment to the parking lot expansion is also being prepared to include the location of a topsoil storage area at the ball park. The revised as built map of the # 2 belt access road topsoil stockpile plate 2-2B was received by the Division on December 14th, 2017.

## **2. Signs and Markers**

The sign at the entrance to the mine was clearly visible and contained the required information.

## **3. Topsoil**

The north face of the #2 belt access road topsoil stockpile was covered with Russian Thistle (*Salsola tragus*). However there were young plants in the understory of the decadent thistle. Since the thistle plants are annuals and may be outcompeted by the other vegetation no mechanical or herbicide treatments were recommended at this time.

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

The culverts and ditches in the main surface facility and #4 portal access road were open and functioning adequately at the time of this complete inspection.

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

4th quarter inspections for the 4 sediment ponds were conducted on 11/21 by Jaren Jorgensen. The inspection reports for the ponds noted that they were stable and showed no signs of structural weakness.

### **4.c Hydrologic Balance: Other Sediment Control Measures**

The ASCAS along the #4 portal access road were in good repair

### **4.d Hydrologic Balance: Water Monitoring**

Water monitoring data for the fourth quarter of 2017 were collected on 10/18/2017 and were available for inspection. Water monitoring points for this quarter included BC 1, 2, 3 and 4, CK 1, and 2, SBC 4, 5, 9a, 17, well SBC 3 (fl 1,2,3,4,5,6,7 and 8 are done weekly), and the 004 discharge point. The data for the second quarter has been submitted electronically into the Division's data base. No exceedences of the required parameters were noted.

**4.e Hydrologic Balance: Effluent Limitations**

DMR's were current through November, 2017. They include the four sediment ponds 002, 003, 006 and 007, (no discharge) and outfall 004, (the mine water discharge). There were no exceedances of the required parameters.

**8. Noncoal Waste**

Non coal waste is being managed very well at the mine.

**16.a Roads: Construction, Maintenance, Surfacing**

The roads throughout the mine site were in good repair.

**16.b Roads: Drainage Controls**

The drainage controls for the roads throughout the site were in good repair and were being maintained properly at the time of the inspection.

**19. AVS Check**

The ownership and control information was updated on December 5th, 2017.

**20. Air Quality Permit**

The air quality permit DAQE-GN0102400005-10 was transferred into Castle Valley Mining LLC. on 09/20/2010 and remains in effect.

**21. Bonding and Insurance**

Surety Bond # 929518448 is posted in the amount of \$2,210,000 for Castle Valley Mining LLC. The liability insurance expires 6/1/2018.

**22. Other**

One of the two reclaimed exploration drill sites were inspected the other was 1/4 mile beyond an unannounced locked gate. Photos of both reclaimed sites were previously taken and sent to the Division.

















