State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

GARY R. HERBERT
Governor

GREG BELL
Lieutenant Governor

Inspection Report

Permit Number:	**C0150025**
Inspection Type:	PARTIAL
Inspection Date:	Thursday, August 25, 2016
Start Date/Time:	8/25/2016 10:30:00 AM
End Date/Time:	8/25/2016 12:00:00 PM
Last Inspection:	Wednesday, July 20, 2016

Representatives Present During the Inspection:	
OGM	Keenan Storrar
Company	Jaren Jorgensen

Inspector: Keenan Storrar,

Weather: Sunny, 70

InspectionID Report Number: 5614

Accepted by: JHELFRIC
8/29/2016

Permitee: **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	**Total Permitted**
35.02	**Total Disturbed**
	Phase I
	Phase II
	Phase III

Mineral Ownership

- [x] Federal
- [ ] State
- [ ] County
- [x] Fee
- [ ] Other

Types of Operations

- [x] Underground
- [ ] Surface
- [ ] Loadout
- [ ] Processing
- [ ] Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

A site visit was conducted to inspect Catch Basin 1 and 2, and the left fork of Bear creek from its confluence with the right fork up to spring SBC-14.

Inspector's Signature:

Keenan Storrar,
Inspector ID Number: 71

Date Friday, August 26, 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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UTAH DNR OIL, GAS & MINING

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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	☐	☐	☐	☐

4.a Hydrologic Balance: Diversions

The inlet and outlet of each culvert along the left fork were checked to be free of debris and able to adequately covey runoff. The left fork of Bear Creek passes through four culverts as it drains off Wild Horse Ridge. Each culvert appeared to be free of debris and properly functioning (Photos 1, 2).

The inlet and outlet of the conveyor as it passes under the Primary Conveyor Access Road No. 1 was inspected (Photo 3).

No coal or coal fines were detected along the length of the left fork of the creek in undisturbed areas (Photo 4, 5). The location of the spill still has coal and coal fines resting on the ground below the conveyor. This area is still being actively cleaned with the vacuum truck.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Sediment Pond B and C have recently been cleaned out (Photo 6).

Catch basin 1 has recently captured coal fines that were washed from the conveyor. The wash water captured in the basin has evaporated to leave the washed down fines (Photo 7). The basin appears to be correctly working as designed.

4.c Hydrologic Balance: Other Sediment Control Measures

Multiple BTCA sediment control measures were inspected for their ability to capture and settle suspended solids to prevent off-site impacts. An additional rock check dam has been installed at BTCA W to increase the total storage and settling time before runoff is allowed to drain into the left fork of Bear Creek. Both the rock check dam and straw bale check dam appear to be installed correctly and functioning properly (Photo 8).

The straw bale check dam directly above the inlet to C-26U needs to be cleaned out (Photo 9). The structure has functioned properly to capture large sediment yields transported down the ephemeral channel. Now it is nearly full and the structure needs to be cleaned out and repaired prior to the next large storm event.

ATTACHMENT A – Photos August 25, 2016 site visit

PHOTO 1
Outlet of culvert C23-U
August 25, 2016

PHOTO 2
Outlet of culvert C26-U
August 25, 2016

PHOTO 3
Outlet of coal conveyor bypass under Road No. 1
August 25, 2016

PHOTO 4
Left fork of Bear Creek near confluence with right fork
August 25, 2016

ATTACHMENT A – Photos August 25, 2016 site visit

PHOTO 5
Left fork of Bear Creek just above culvert C21-U
August 25, 2016

PHOTO 6
Pond C cleaned out
August 25, 2016

PHOTO 7
Catch Basin 1 dry and working as designed
August 25, 2016

PHOTO 8
New rock check dam installed at BTCA W
August 25, 2016

ATTACHMENT A – Photos August 25, 2016 site visit

PHOTO 9
Straw bale check dam above culvert C26-U
August 25, 2016