



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:	TECHNICAL
Inspection Date:	Wednesday, March 14, 2018
Start Date/Time:	3/14/2018 12:00:00 PM
End Date/Time:	3/14/2018 2:30:00 PM
Last Inspection:	Tuesday, February 6, 2018

Inspector: Priscilla Burton,
 Weather: overcast drizzling 45F
 InspectionID Report Number: 6096
 Accepted by:DHADDOCK
 3/19/2018

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		Mineral Ownership	Types of Operations
10,991.83	Total Permitted	<input checked="" type="checkbox"/> Federal	<input checked="" type="checkbox"/> Underground
35.02	Total Disturbed	<input type="checkbox"/> State	<input type="checkbox"/> Surface
	Phase I	<input type="checkbox"/> County	<input type="checkbox"/> Loadout
	Phase II	<input checked="" type="checkbox"/> Fee	<input type="checkbox"/> Processing
	Phase III	<input type="checkbox"/> Other	<input type="checkbox"/> Reprocessing

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

Mid-term inspection of topsoil stockpiles and substitute topsoil locations.
 Refer to Tables 2-5 and 2-8 of the MRP for topsoil pile volumes..
 Refer to Plates 5-2C, 5-2F, and 5-2G for surface facilities and topsoil stockpile locations.
 Refer to Plates 2-3 B, C, D, F & G for TS2 - TS17 reclamation area locations.

Inspector's Signature: **Priscilla Burton** Priscilla Burton
 2018.03.23 17:06:02 -06'00' **Date** Wednesday, March 14, 2018
 Priscilla Burton,
 Inspector ID Number: 37



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 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and Markers	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.b Hydrologic Balance: Sediment Ponds and Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.e Hydrologic Balance: Effluent Limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Disposal of Excess Spoil, Fills, Benches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal Mine Waste, Refuse Piles, Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal Waste	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. Contemporaneous Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Backfilling And Grading	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.a Roads: Construction, Maintenance, Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16.b Roads: Drainage Controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Other Transportation Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Support Facilities, Utility Installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
19. AVS check	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Air Quality Permit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. Bonding and Insurance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Topsoil

The Main Topsoil stockpile and the Wild Horse Ridge Tank seam topsoil stockpile were photographed. These stockpiles are outlined in Table 2-5 Topsoil Summary Table of the MRP.

The Main topsoil stockpile is shown on the East side of the Primary Haul Road on Plate 5-2C. This stockpile has established vegetation with the most vigorous growth on the North facing side. There is some evidence of coal fine accumulation on the stockpile on the West side near the road. The Main Topsoil Stockpile was estimated to be 4 feet deep placed against a steep slope and was GPS'd as 0.21 acres. Given these dimensions, the topsoil stockpile would hold 1,355 CY. Table 2-5 reports a volume of 1,480 CY which is consistent with these rough field measurements.

The Wild Horse Ridge Topsoil stockpile is shown adjacent to the Primary Conveyor Access Road No. 1 on Plate 5-2F. This stockpile was recently disturbed for construction of the Mine #2 Belt Access Rd and some topsoil may be under the road. The final configuration of this stockpile has been under review as task 5571. (For previous discussion and GPS data on this stockpile refer to inspection report #6053, January 2018). This stockpile likely holds 8,735 CY as detailed on the revised Plate 2-2 B, under review.

Wildhorse Ridge Tank Seam topsoil stockpile is shown on the East side of the Primary No. 4 Mine Access Road on Plate 5-2G. This stockpile has established, vigorous vegetation, including elderberry shrubs. This stockpile was estimated to be 7 feet deep placed against a steep slope and was GPS'd as 0.12 acres. Given these dimensions, the topsoil stockpile would hold 1,355 CY. Table 2-5 reports a volume of 1,400 CY which is consistent with these rough field measurements.

4.c Hydrologic Balance: Other Sediment Control Measures

Road maintenance is creating a sediment control issue at the hairpin turns of the Mine #4 and Mine #3 Primary Access Roads. Mud pushed from the roadway onto the soil berms at these turns is sliding down the steep outslope. Re-seeding of the outslopes at the hairpin turns was suggested. In the future, removing the mud to another location should be considered as well as sediment logs along the disturbed area boundary.

9. Protection of Fish, Wildlife and Related Environmental Issues

Deer were photographed just beyond the disturbed area of Primary No. 4 Mine Access Road.

12. Backfilling And Grading

We observed Reclamation Area locations corresponding to locations TS2 through TS-17 that are described in Table 2-8 and shown on Plates 2-3 A, B, C, D, F & G. Photographs were taken for reference during the mid-term review.

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18. Support Facilities, Utility Installations

Antifreeze in use for the conveyor was temporarily stored in a container along the road in TS-12.

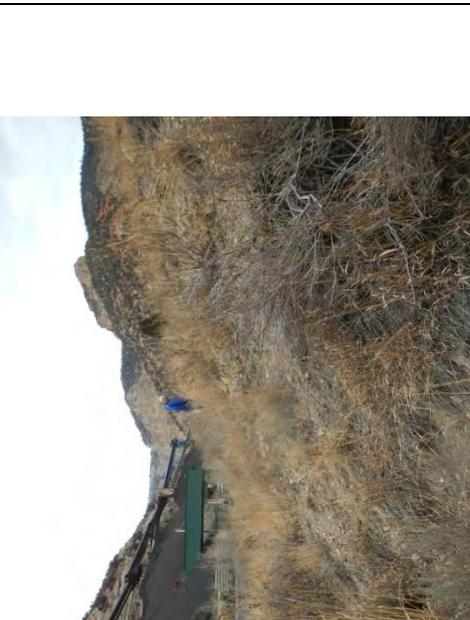
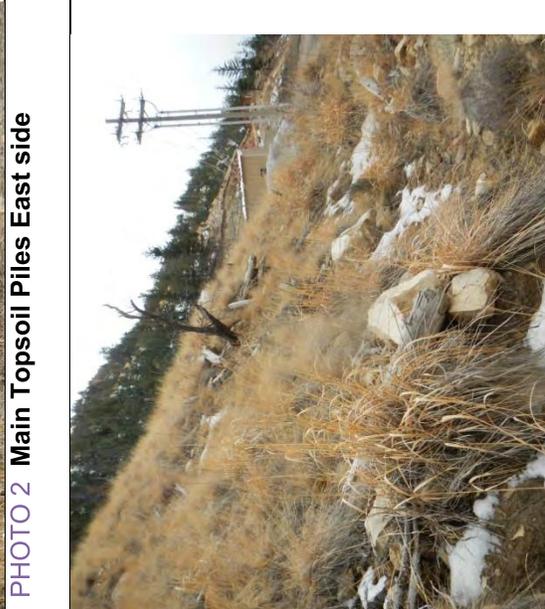
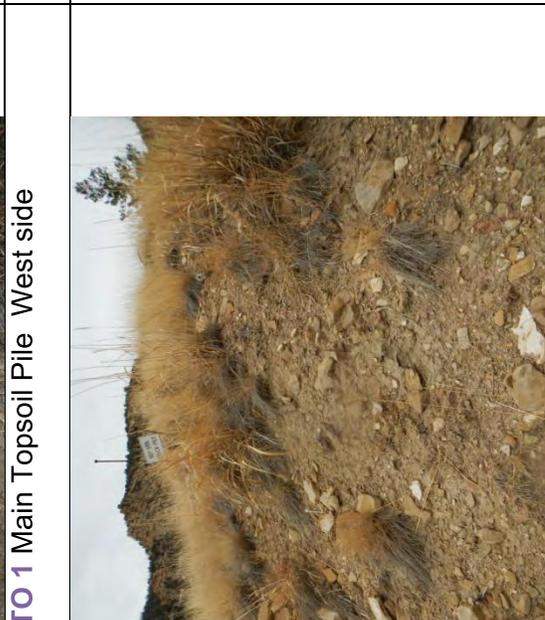
Photo Attachment	Bear Canyon	March 14, 2018
 <p>PHOTO 1 Main Topsoil Pile West side</p>	 <p>PHOTO 2 Main Topsoil Piles East side</p>	
 <p>PHOTO 3 WHR Tank Seam Topsoil pile South side</p>	 <p>PHOTO 4 WHR Tank Seam topsoil pile West face</p>	

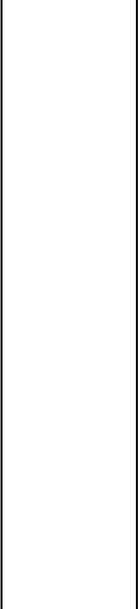
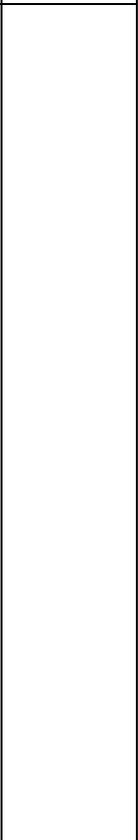
Photo Attachment	Bear Canyon	March 14, 2018
		<p>PHOTO 5 TS 17 No. 4 Mine Plate 2-3G</p>
		<p>PHOTO 6 TS 17 Plate 2-3G</p>
		<p>PHOTO 7 TS15 Mine No 3 Plate 5-2G cross sec F-F'</p>
		<p>PHOTO 8 TS15 Mine No 3 Access Plate 2-3G</p>



PHOTO 9 TS 14 Plate 2-3G



PHOTO 10 TS 13 (looking East from Primary Conveyor Access Rd) Plate 2-3F



PHOTO 11 TS 6 Sta 8+00 Plate 2-3D



PHOTO 12 TS 6 Sta 13+00 Plate 2-3D

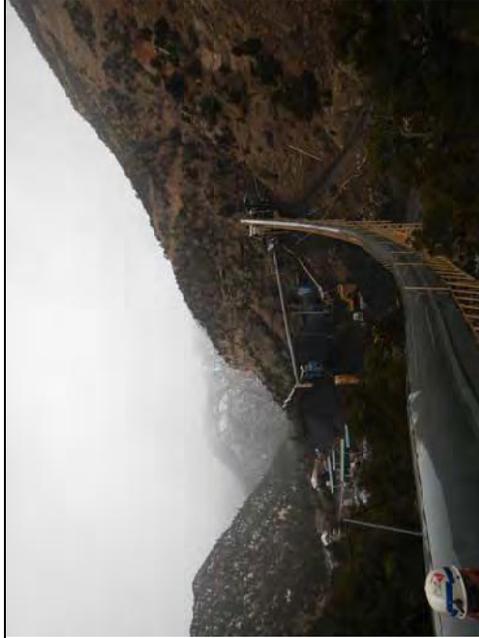


PHOTO 9
TS 5 overview from Primary Conveyor Access Road Plate 2-3C



PHOTO 10 TS 5 STA 12+ 00 Plate 2-3C



PHOTO 11
TS 5 Sta 10+00 Tipple and conveyors Plate 2-3C



PHOTO 12 TS 5 road to Pond A Plate 2-3C

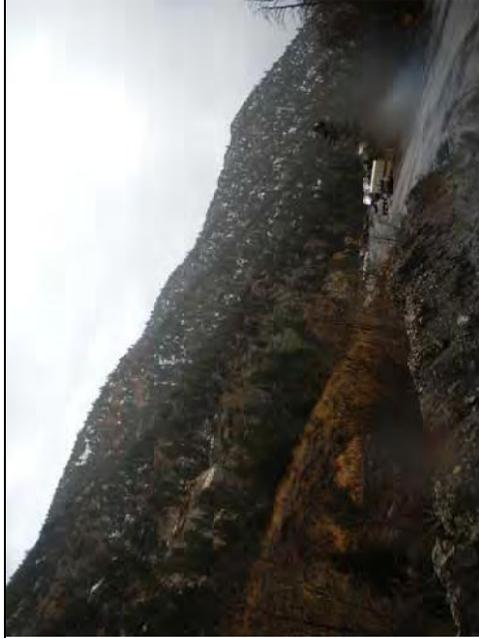


PHOTO 9 TS 3 Sta 8+00 Plate 2-3C



PHOTO 10 TS 2 Plate 2-3B



PHOTO 11 TS 9 Sed Pond B Plate 2-3B



PHOTO 12 TS 12 and TS16 outlopes of hairpin turns where sediment control is needed