



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:	C0150015
Inspection Type:	PARTIAL
Inspection Date:	Wednesday, May 30, 2018
Start Date/Time:	5/30/2018 8:30:00 AM
End Date/Time:	5/30/2018 1:30:00 PM
Last Inspection:	Wednesday, April 25, 2018

Representatives Present During the Inspection:	
Company	Kit Pappas
OGM	Priscilla Burton
OGM	Steve Christensen
OGM	Justin Eatchel
OGM	Joe Helfrich

Inspector: Priscilla Burton,
 Weather: sun, 78F
 InspectionID Report Number: 6154
 Accepted by:DHADDOCK
 6/8/2018

Permittee: **BRONCO UTAH OPERATIONS, LLC**
 Operator: **BRONCO UTAH OPERATIONS, LLC**
 Site: **EMERY DEEP MINE**
 Address: **PO BOX 527, EMERY UT 84522**
 County: **EMERY**
 Permit Type: **PERMANENT COAL PROGRAM**
 Permit Status: **ACTIVE**

Current Acreages

473.80	Total Permitted
85.90	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 inspection was conducted as part of the mid-term review. Bronco Mine Engineer Jordan Dewitt accompanied us on the inspection. Refer to Dwg III-9 for disturbed areas. The mains have been developed approximately 1500 ft inby. A stockpile of coal is separated by quality on the stockpile pad and upper operations pad. Trucks were being loaded with coal from Emery2.

Inspector's Signature: Priscilla Burton

Priscilla Burton
 2018.06.21 16:33:38 -06'00'

Date Thursday, May 31, 2018

Priscilla Burton,
 Inspector ID Number: 37



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 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 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 type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Subsidence Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15. Cessation of Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input type="checkbox"/>	<input 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"/>

1. Permits, Change, Transfer, Renewal, Sale

The Division approved the transfer of the Emery Mine from Consol Energy to Bronco Utah Operations on April 6, 2016 (Outgoing 04062016.5058), at which time a new permit was issued. The mid-term review began May 2nd and is task 5670 (Outgoing 05022018.5670).

New portal construction for the Emery 2 Mine was completed in 2017. The 4th East Portal was placed in Temporary Cessation 7 years ago (Incoming document 3082011) and remains inactive.

3. Topsoil

Topsoil from the Emery 2 construction is stored in berms along the boundary of the fan pad and with the existing the topsoil pile at the temporary waste rock site. Both locations of topsoil storage were seeded in February 2018 (Incoming 2152018). Only volunteer vegetation was growing on the pile. No seeded species were noticed (western wheatgrass, thickspike wheatgrass, crested wheatgrass, slender wheatgrass or Russian wildrye). The rock mulch on the stockpile at the waste rock site was fragments of 4" or less. Coverage was about 25%. The final volume of the stockpiled topsoil will be provided with as-builts of the construction.

Topsoil stockpiled at the 4th East portal is in a large stockpile and in berms along the West side of the site. The stockpile is very well vegetated.

Maintenance items: Repair breeched berm on East side of topsoil pile at the waste rock site. Re-set subsoil sign on stockpile to West of 4th East Portal access road.

4.a Hydrologic Balance: Diversions

The diversion network for the No. 2 mine, as well as the 4th East Portal, sub-stations and refuse pile were inspected. The diversions and berms were generally found to be stable. No evidence of excessive erosion was observed. However; it was found that undisturbed culvert UC-1 did not have a trash rack on its inlet as shown on Plate VI-11B. It was discussed that the Permittee should inspect all of the diversions to ensure that they have been constructed as designed and depicted on Plate VI-11B. A follow up inspection will be performed to verify the diversions have been constructed/installed as designed and shown in the MRP.

Coal fine accumulations were observed downstream of the road-crossing bridge of Quitchupah Creek on the approach to the No. 2 Mine. Approximately 4-6" of coal fine material was observed on either side of the creek. The Permittee indicated that the road bridge pools water during rainfall events. Coal fine accumulations were not observed on the upstream side of the bridge; however, the water was deeper in this more narrow section of the creek as well as more vegetated. The Permittee needs to fortify the berms/diversions adjacent to and on the road crossing bridge to prevent the coal fine accumulations in Quitchupah Creek. The Permittee indicated that hand tools would be used to remove the coal fine accumulations from the Quitchupah Creek channel.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

Sediment pond 3 (Pond 3) was observed during the field inspection. The embankments of Pond 3 were stable (i.e. no sign of excessive erosion rill formation). The primary and secondary spillways were inspected. Upon review of Plate VI-15B, Pond 3 Modifications, the primary spillway is in need of maintenance. The spillway was surrounded by a wall of soil that extended to an elevation above the top spillway elevation of 5,911'. The Permittee was instructed to remove the soil from around the spillway. The sediment marker shown on Plate VI-15B was observed in the south-east portion of the pond as designed. The secondary spillway was observed and found to be constructed as designed and depicted on Plate VI-15B.

A portion of Jersey barrier was observed in the south-east inlet of Pond 3. The Permittee informed the Division that MSHA inspectors had directed them to place the barrier there in order to prevent someone from accidentally driving into the pond given its position to the access road to the No. 2 mine. It was discussed that the barrier needed to be removed in order to facilitate the reporting of stormwater runoff to Pond 3. The Permittee indicated that they would work with MSHA and devise some other type of deterrent/marker to prevent an accident. The idea of placing posts and a chain at the south-east Pond 3 inlet was discussed as possible alternative.

7. Coal Mine Waste, Refuse Piles, Impoundments

The volume of refuse and excess cut stored at the temporary waste rock site is approximately 93,000 CY (2017 Annual Report). Final volumes will be reported with the as-built. The final reclamation of the waste rock is described in Appendix VII-2. We observed the final reclamation location.

Stoker coal and lump coal is being stockpiled at the 4th East Portal.

9. Protection of Fish, Wildlife and Related Environmental Issues

Barn swallows have made a home in the box cut at 4th East Portal.

14. Subsidence Control

Mr. Pappas presented images taken January 29, 2018 of supposed subsidence features. Mr. Pappas indicated the location of the features within NW 1/4 Sec 31 on privately owned farmlands within the permit area. (The surface owner approached the Division recently, wondering if these features were mining related.) Plate V-5 Subsidence Monitoring Points and the current 5 year Mine Map (2017 Annual Report) and Plate I-1 Surface Ownership were consulted. It was determined that the features could not be mining induced subsidence since the location of the alleged features are 0.5 miles from historic mine workings and nowhere near any currently active workings.

15. Cessation of Operations

The 4th East portals have been sealed since 2011

Photo Attachment

Emery Mine May 30, 2018



PHOTO 1 Emery 2 Box cut



PHOTO 2 Emery 2 facilities



PHOTO 3 Topsoil berm on fan bench



PHOTO 4 Emery 2 topsoil pile

Photo Attachment

Emery Mine May 30, 2018



PHOTO 5 Pond 3



PHOTO 6 pond 3 inlet



PHOTO 7

Emery 2 access across Quitchupah



PHOTO 8

Quitichupah Creek downstream



PHOTO 9 Emery2 ROM Coal and high ash coal piles. Dozer is working lump coal pile



PHOTO 10 Temporary storage pile of excess cut and mine waste



PHOTO 11 storage yard and proposed permanent waste disposal site



PHOTO 12 Mine rescue practice area



PHOTO 9
Sealed 4th East portals

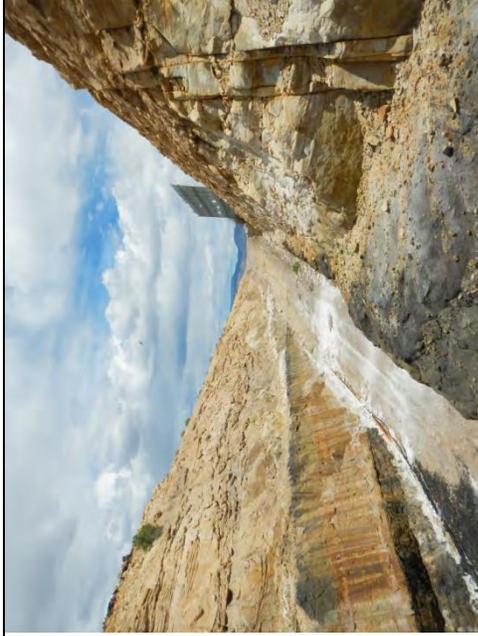


PHOTO 10 4th East Portal box cut access



PHOTO 11
4th East portal topsoil stockpile



PHOTO 12 4th E portal topsoil plants



PHOTO 9 Emery 2 topsoil stockpile



PHOTO 10 Emery 2 topsoil stockpile



PHOTO 11 substation yellow composite



PHOTO 12 Primrose fan portal