



STATE OF  
COLORADO

Zuber - DNR, Rob <rob.zuber@state.co.us>

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## Bowie #1 Inspection Report, 12 April 2023

1 message

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**Zuber - DNR, Rob** <rob.zuber@state.co.us>

Thu, Apr 20, 2023 at 11:53 AM

To: Basil Bear <basilbear@wolverinefuels.com>, Tamme Bishop <tammekb@gmail.com>

Cc: DNR DRMS\_CoalAdmin - DNR <dnr\_drms\_coal\_admin@state.co.us>

Basil and Tamme -

Please see the attached inspection report for Bowie #1.

Thanks,  
Rob

Rob Zuber, P.E.  
Environmental Protection Specialist  
Active Mines Regulatory Program



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

*I am working remotely and can be reached by cell at 720.601.2276.*

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**INSP-REPORTC\_C1981038\_RDZ\_04202023113031.pdf**  
1600K



**PERMIT INFORMATION**

<b>Permit Number:</b> C-1981-038 <b>Mine Name:</b> Bowie No. 1 Mine <b>Operator:</b> Bowie Resources, LLC <b>Operator Address:</b> Mr. Basil R Bear P.O. Box 1488 Paonia, CO 81428	<b>County:</b> Delta <b>Operation Type:</b> Underground <b>Permit Status:</b> Active <b>Ownership:</b> Private
	<b>Operator Representative Present:</b>  None
<b>Operator Representative Signature:</b> (Field Issuance Only)	

**INSPECTION INFORMATION**

<b>Inspection Start Date:</b> April 12, 2023 <b>Inspection Start Time:</b> 07:30 <b>Inspection End Date:</b> April 12, 2023 <b>Inspection End Time:</b> 09:00		<b>Inspection Type:</b> Coal Partial Inspection <b>Inspection Reason:</b> Normal I&E Program <b>Weather:</b> Clear	
<b>Joint Inspection Agency:</b>  None		<b>Joint Inspection Contacts:</b>	
<b>Post Inspection Agency:</b>  None		<b>Post Inspection Contacts:</b>	
<b>Inspector(s):</b>  Robert Zuber, P.E.	<b>Inspector's Signature:</b>  <i>Robert D. Zuber</i>		<b>Signature Date:</b>  4/20/2023

**Inspection Topic Summary**

NOTE: Y=Inspected N=Not Inspected R=Comments Noted V=Violation Issued NA=Not Applicable

N - Air Resource Protection

N - Availability of Records

N - Backfill &amp; Grading

N - Excess Spoil and Dev. Waste

NA - Explosives

N - Fish &amp; Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

N - Other

Y - Processing Waste

Y - Roads

Y - Reclamation Success

Y - Revegetation

Y - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

R - Signs and Markers

R - Support Facilities Not On-site

Y - Special Categories Of Mining

R - Topsoil

**COMMENTS**

A partial inspection was conducted by Rob Zuber of DRMS on April 12, 2023. No BRL representative was at the mine site.

No mining or reclamation activities were being conducted at this site. BRL is focusing on reclamation at Bowie No. 2 in 2023.

The weather was clear and warm. The ground was clear of snow except the West Mine, which had a lot of snow and mud (it is not south facing).

**HYDROLOGIC BALANCE - Rule 4.05**

Drainage Control 4.05.1, 4.05.2, 4.05.3; Siltation Structures 4.05.5, 4.05.6; Discharge Structures 4.05.7, 4.05.10; Diversions 4.05.4; Effluent Limits 4.05.2; Ground Water Monitoring 4.05.13; Surface Water Monitoring 4.05.13; Drainage – Acid and Toxic Materials 4.05.8; Impoundments 4.05.6, 4.05.9; Stream Buffer Zones 4.05.18:

The ponds at the loadout and the Coal Storage Area (near Black Bridge Road) were dry, and no problems were identified with these ponds.

**SLIDES and DAMAGE - Rule 4.12:**

A significant slide was seen at the East Mine (see photograph). It was a circular shape, approximately 10-foot radius, with a resulting face of two feet high. It is in the same location as a slide from 2017. Large rocks were seen on the road to the portals at the East Mine. The steep slope above appears to be generally stable, but these rocks have fallen from this area and pose a hazard, especially during and after rain and snow events.

A large number of rills were seen at the West Mine. Most of the impacted area was released with SL-08, but the sediment from the rills is impacting the unreclaimed area near East Roatcap Creek.

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3

**SIGNS AND MARKERS – Rule 4.02:**

Entrance signs were seen at the East Mine and at the Coal Storage Area by Black Bridge Road.

**OFFSITE SUPPORT FACILITIES - Rule 4.04, 4.28:**

No problems were seen with the Coal Storage Area by Black Bridge Road.

No erosion was seen at the loadout, including the steep slope between the loadout and the orchard below. The trestle across the river appears stable.

**TOPSOIL – Rule 4.06**

Removal 4.06.2; Substitute Materials 4.06.4(4); Storage and Protection 4.06.3; Redistribution 4.06.4:

Signs were not seen at the topsoil stockpiles at the loadout. These should be added or repaired.

**DOCUMENTS RECEIVED - none**

**OTHER (SPECIFY) - none**

**ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were initiated as a result of this inspection, nor are any pending.

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3

## **PHOTOGRAPHS**



**Lower portion of East Mine, from road above**



**East Mine, from Old Waste Disposal Area**

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3





**East Mine – rocks below steep slope**



**East Mine steep slope**

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3



**Slide at East Mine**



**Drainage below the Old Waste Disposal Area**

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3





**Rills on West Mine**



**Slope below the loadout**

Number of Partial Inspection this Fiscal Year: 5

Number of Complete Inspections this Fiscal Year: 3





**Coal Storage by Highway and Black Bridge Road**



**Pond at Coal Storage by Highway and Black Bridge Road**

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Number of Complete Inspections this Fiscal Year: 3