



STATE OF  
COLORADO

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

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## Bowie #1 inspection report

1 message

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

Fri, Jun 23, 2023 at 3:26 PM

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

Basil -

I hope you had a good vacation.

Here is my report from my inspection yesterday.

In case you didn't know: lots of thistle at the West Mine.

Take care,  
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\_06232023.pdf**  
1500K



**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> June 22, 2023 <b>Inspection Start Time:</b> 07:00 <b>Inspection End Date:</b> June 22, 2023 <b>Inspection End Time:</b> 09:30	<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>   <b>Signature Date:</b>  6/23/2023

**Inspection Topic Summary**

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

Y - 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

N - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

R - Roads

Y - Reclamation Success

R - Revegetation

Y - Subsidence

R - Slides and Other Damage

NA - Support Facilities On-site

R - Signs and Markers

R - Support Facilities Not On-site

N - Special Categories Of Mining

N - Topsoil

**COMMENTS**

A partial inspection was conducted by Rob Zuber of DRMS on June 22, 2023. No BRL staff joined the inspection. No mining or reclamation activities were being conducted at this site. BRL is focusing on reclamation of Bowie No. 2 in 2023. No cattle were grazing on the West Mine, as they were during the previous inspection, but fresh dung was seen.

The weather was warm and clear. The ground was dry.

**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, the Coal Storage Area (near Black Bridge Road), and the West Mine were dry, and no problems were identified with these ponds.

The irrigation ditch that flows under the loadout (the Farmers Ditch) was full of water.

No issues were identified with ditches or culverts, including the large culvert at the West Mine for East Roatcap Creek.

**ROADS – Rule 4.03**

Construction 4.03.1(3)/4.03.2(3), Drainage 4.03.1(4)/4.03.2(4), Surfacing and Maintenance 4.03.1(5) and (6)/4.03.2(5) and (6), Reclamation 4.03.1(7)/4.03.2(7):

No problems were seen with the road to the reclaimed ROM area or other roads.

Number of Partial Inspection this Fiscal Year: 8

Number of Complete Inspections this Fiscal Year: 4

**REVEGETATION – Rule 4.15****Vegetative Cover; Timing:**

Many thistle plants were seen at the West Mine, and these need to be killed in the near future. The West Mine was walked in the area where yellow starthistle was found in 2022. None of these plants were seen during the current inspection.

Vegetation at the East Mine looked excellent, except for bindweed and cheat grass, which were seen in many areas. The reclaimed pond below the Refuse Disposal Area is in good shape.

A large amount of cheat grass was seen at the Coal Storage Area by Black Bridge Road. At the loadout, many weeds were seen including cheat grass, bindweed, and thistle. Some of the thistle has been sprayed, it appears.

**SLIDES and DAMAGE - Rule 4.12:**

The recent slide at the East Mine was observed and it has not gotten worse in recent weeks. The rills seen at the West Mine during recent inspections are not a problem; they have healed.

**SIGNS AND MARKERS – Rule 4.02:**

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

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

No erosion was 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. There was no sign of subsidence over the long culvert at the loadout, which conveys the Farmers Ditch.

**DOCUMENTS RECEIVED - none****OTHER (SPECIFY) - none**

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## **ENFORCEMENT ACTIONS/COMPLIANCE**

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

## **PHOTOGRAPHS**



**The East Mine**

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**Recent slide at the East Mine**



**Steep slope at upper portion of the East Mine**

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**Lower portion of East Mine**



**Reclaimed pond below the Refuse Disposal Area**

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**Cheat grass at the Coal Storage Area by the highway**



**Area below the loadout, with bridge in background**

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