



STATE OF  
COLORADO

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

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## Bowie #1 Inspection

1 message

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**Zuber - DNR, Rob** <rob.zuber@state.co.us>  
To: Basil Bear <basilbear@wolverinefuels.com>

Thu, Dec 10, 2020 at 5:22 PM

Basil -

Here is the report for Bowie #1.

Take care,  
Rob

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



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

P 303.866.3567, extension 8113 | Cell 720.601.2276  
1313 Sherman Street, Room 215, Denver, CO 80203  
[rob.zuber@state.co.us](mailto:rob.zuber@state.co.us) | <http://mining.state.co.us>




**INSP-REPORTC\_C1981038\_RDZ.pdf**  
1453K



**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> December 9, 2020 <b>Inspection Start Time:</b> 12:45 <b>Inspection End Date:</b> December 9, 2020 <b>Inspection End Time:</b> 12:49		<b>Inspection Type:</b> Aerial 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.  Brock Bowles	<b>Inspector's Signature:</b>  		<b>Signature Date:</b>  12/10/2020

**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

NA - 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

N - Processing Waste

R - Roads

R - Reclamation Success

N - Revegetation

Y - Subsidence

Y - Slides and Other Damage

NA - Support Facilities On-site

N - Signs and Markers

R - Support Facilities Not On-site

Y - Special Categories Of Mining

N - Topsoil

**COMMENTS**

On December 9, 2020, Brock Bowles of DRMS took aerial photographs of the mine. The weather was clear. Rob Zuber of DRMS reviewed the photos on December 10, 2020.

**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 West Mine, the pond at the former coal storage area by Black Bridge Road, and the pond at the loadout were dry. No problems were seen with the embankments or other portions of these ponds.

Channels at the East Mine were stable.

**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 erosion or other problems were identified with the road at the East Mine.

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2

**RECLAMATION SUCCESS - Rule 4.15, Rule 3:**

The reclamation on the following areas was inspected:

- The East Mine, including
  - Former bench areas
  - The Old Waste Disposal Area
  - Ponds 1 – 4
  - The Refuse Disposal Area
- The ROM and timber storage areas and reclaimed pond below
- The West Mine.

No erosion problems were identified.

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

No erosion or other problems were identified at the loadout. This includes the eastern portion, along the UPRR tracks and adjacent to Grange Road and Black Bridge Road.

**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: 4

Number of Complete Inspections this Fiscal Year: 2

## **PHOTOGRAPHS**



**East Mine – upper portion**



**East Mine – Reclaimed ponds, Old Waste Disposal Area, and RDA**

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2





**R.O.M. Storage Area and reclaimed pond**



**West Mine (ponds are circled)**

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2



**Former Coal Storage by highway and Black Bridge Road (pond is circled)**



**Loadout**

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2





**Loadout (pond is circled)**



**Loadout (portion along UPRR tracks)**

Number of Partial Inspection this Fiscal Year: 4

Number of Complete Inspections this Fiscal Year: 2