




## COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY COAL PROGRAM INSPECTION REPORT



### 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 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> Federal
<b>Operator Representative Present:</b>  Basil Bear	
<b>Operator Representative Signature: (Field Issuance Only)</b>  This report was issued electronically from the Division's Durango Field Office.	

### INSPECTION INFORMATION

<b>Inspection Start Date:</b> November 7, 2013 <b>Inspection Start Time:</b> 11:30 <b>Inspection End Date:</b> November 7, 2013 <b>Inspection End Time:</b> 14:00		<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>  Marcia L. Talvitie, P.E.  Susan L. Burgmaier	<b>Inspector's Signature:</b>    <b>Signature Date:</b>  08 November 2013		

**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

R - Excess Spoil and Dev. Waste

NA - Explosives

R - Fish &amp; Wildlife

R - Hydrologic Balance

N - Gen. Compliance With Mine Plan

N - Other

N - Processing Waste

N - Roads

N - Reclamation Success

R - Revegetation

N - Subsidence

Y - Slides and Other Damage

Y - Support Facilities On-site

N - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

N - Topsoil

**COMMENTS**

A partial inspection of the Bowie No. 1 Mine was conducted on Thursday, November 7, 2013 by Marcia Talvitie and Susan Burgmaier of the Division. We contacted Basil Bear at the mine office, located Bowie No. 2 Mine surface facilities, to inform him of the inspection. Mr. Bear joined us for a portion of the East Mine inspection.

Weather conditions were clear, with a light breeze. Temperatures warmed to the low 50's. The inspection focused on the East Mine and the Paonia Loadout.

**EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09**

Placement; Drainage Control; Surface Stabilization:

- The West Ridge Waste Pile, located at the East Mine, was well vegetated and appeared to be stable.

**FISH and WILDLIFE – Rule 4.18:**

- This inspection took place during the middle of the year's third rifle season for deer and elk.
- Deer and elk tracks were plentiful at the East Mine.

**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:

- At the East Mine, we walked the length of Ditch 7. During a large (>10 yr) precipitation event on July 31, 2013, flow escaped the riprapped ditch and ran down the reclaimed hillside west of the ditch. The erosion was not severe, but the Division suggested that broadcasting seed across the disturbed area would be a good idea. Mr. Bear said that BRL would do so. BRL also has plans to grout the upper portion of Ditch 7 this fall or next spring.

Number of Partial Inspection this Fiscal Year: 5Number of Complete Inspections this Fiscal Year: 2

- The concrete slope and ditch paving is eroded at the inlet to Culvert N, which crosses beneath the haul road northwest of the West Ridge WDA. Up-gradient of the inlet, an erosional rill has formed across the surface of the haul road, where runoff flowed from east to west. This erosion should be repaired when equipment is on site for other maintenance and repair activities.
- Mr. Bear said that, depending on the results of the vegetation surveys conducted this past year, BRL may begin removing various sedimentation ponds, including the West Mine W-1 and W-2; the Timber Storage Area pond; the West Ridge WDA pond; and Pond 1.
- At the Loadout, the sediment pond continued to hold a small amount of water. Mr. Bear said BRL would repair / refill the bin wall structure, the need for which was identified in the October 2013 inspection report.

#### REVEGETATION – Rule 4.15

##### Vegetative Cover; Timing:

- Revegetation efforts at the East Mine appear to have been largely successful.
- Mr. Bear said that he sprayed thistles this year that had been established on the reclaimed Oversized Coal Stockpile Area bench. No other stands of noxious weeds were noted.

### **ENFORCEMENT ACTIONS/COMPLIANCE**

No enforcement actions were issued as a result of the inspection, and none are pending.