



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



PERMIT INFORMATION

Permit Number: C-1981-038 Mine Name: Bowie No. 1 Mine Operator: Bowie Resources, LLC Operator Address: Mr Basil Bear P.O. Box 1488 Paonia, CO 81428	County: Delta Operation Type: Underground Permit Status: Active Ownership: Federal
Operator Representative Present: Basil Bear	
Operator Representative Signature: (Field Issuance Only)	

INSPECTION INFORMATION

Inspection Start Date: September 9, 2013 Inspection Start Time: 11:50 Inspection End Date: September 9, 2013 Inspection End Time: 17:05	Inspection Type: Coal Complete Inspection Inspection Reason: Normal I&E Program Weather: Cloudy
Joint Inspection Agency: None	Joint Inspection Contacts:
Post Inspection Agency: None	Post Inspection Contacts:
Inspector(s): Susan L. Burgmaier	Inspector's Signature: <i>Susan Burgmaier</i> Signature Date: 9/12/2013

Inspection Topic Summary

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

Y - Air Resource Protection

R - Availability of Records

R - Backfill & Grading

R - Excess Spoil and Dev. Waste

NA - Explosives

Y - Fish & Wildlife

R - Hydrologic Balance

Y - Gen. Compliance With Mine Plan

NA - Other

R - Processing Waste

R - Roads

Y - Reclamation Success

R - Revegetation

Y - Subsidence

Y - Slides and Other Damage

Y - Support Facilities On-site

R - Signs and Markers

NA - Support Facilities Not On-site

NA - Special Categories Of Mining

Y - Topsoil

COMMENTS

This was a complete inspection of the Bowie No. 1 Mine conducted by Susan Burgmaier of DRMS. Basil Bear of Bowie Resources, LLC was present during a portion of the ground inspection, a maintenance crew was on site at the East Mine, and a water monitoring contractor (Ron Hanna) was encountered at the ROM area. Weather was overcast with occasional rain showers; ground conditions were dry.

AVAILABILITY OF RECORDS – Rule 5.02.4(1):

Records were inspected at the Bowie Resources, LLC Bowie No. 2 Mine office. A detailed list of available records is attached to this report.

BACKFILL and GRADING – Rule 4.14 □ Contemporaneous Reclamation 4.14.1; Approximate Original Contour 4.14.2; Highwall Elimination 4.14.1(2)(f); Steep Slopes 4.14.2, 4.27; Handling of Acid and Toxic Materials 4.14.3; Stabilization of Rills and Gullies 4.14.6:

Regraded slopes at all mine areas were stable with no cracking, slumping, or excessive erosion.

EXCESS SPOIL and DEVELOPMENT WASTE – Rule 4.09 □ Placement; Drainage Control; Surface Stabilization:

Both refuse disposal areas were stable and well vegetated.

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:

Pond 2 at the East Mine and the east loadout pond were both holding water. All other ponds were dry. No running water was observed on site.

Stevens Gulch was dry. The Farmers Canal was running through the culvert system under the loadout.

Number of Partial Inspection this Fiscal Year: 3

Number of Complete Inspections this Fiscal Year: 1

There are a few locations on the East Mine where the drainage ditches are downcutting from summer rain events: The steep lower portions of the ditches on the west and east ends of the reclaimed screening bench, the inlet to Pond 1, and the outlet of the road culvert just west of the west refuse pile. If these ditches continue to erode, repairs will be necessary.

A contractor was on site replacing the silt fence along the East Mine haul road corridor reclamation. Vegetation at the Roatcap water tank SAE was in good condition. The berms along the loadout west end storage area SAE and at the east end of the loadout the berm between the sediment pond and sewage lagoon had both been repaired.

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):

Roads were in good condition. Ditches and water bars along the roadways were also in good condition. The operator was grading roads at the East Mine during the inspection.

REVEGETATION – Rule 4.15 □ Vegetative Cover; Timing:

The East Mine and ROM area were walked extensively. Vegetation in both areas is progressing well, with very few noxious weeds observed. The upper roadway on the fan bench had a patch of curly cup gumweed on it, and a few thistle plants were observed in the drainage channel to the west of the West Refuse area at the East Mine. The narrowed haul road to the East Mine has a considerable amount of cheatgrass. There is also a good sized patch of cheatgrass at the coal stockpile area of the loadout. There is still one tamerisk plant below Pond 2; the operator indicated he was aware of this plant and would eradicate it.

The operator indicated that the repair area along Ditch 7 would be seeded this fall. Areas on the lower end of the channel, where the ditch overflowed, should also be seeded.

SIGNS AND MARKERS – Rule 4.02:

Mine identification signs were observed at all public roadways. Disturbance boundary markers were visible and in good condition at all disturbance areas. Topsoil stockpile identification markers were observed at the loadout.

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ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS

Photo 1
Fan Bench

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Photo 2
Fan Bench



Photo 3
Refuse disposal
area and West
Ridge pond

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Photo 4
Lower section of
ditch between the
screening bench
and the warehouse
bench, east side of
East Mine



Photo 5
Culvert outlet on
east side of road

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Photo 6
Culvert carrying
upper East Mine
drainage across to
West Ridge pond
(outfall shown in
Photo 5 above)



Photo 7
Pond 1 inlet
channel

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Photo 8
Silt fence replaced
at ROM area along
Stevens Gulch



Photo 9
Loadout stockpile
pond

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Photo 10
Berm at end of
gravel storage area
on west end of
loadout

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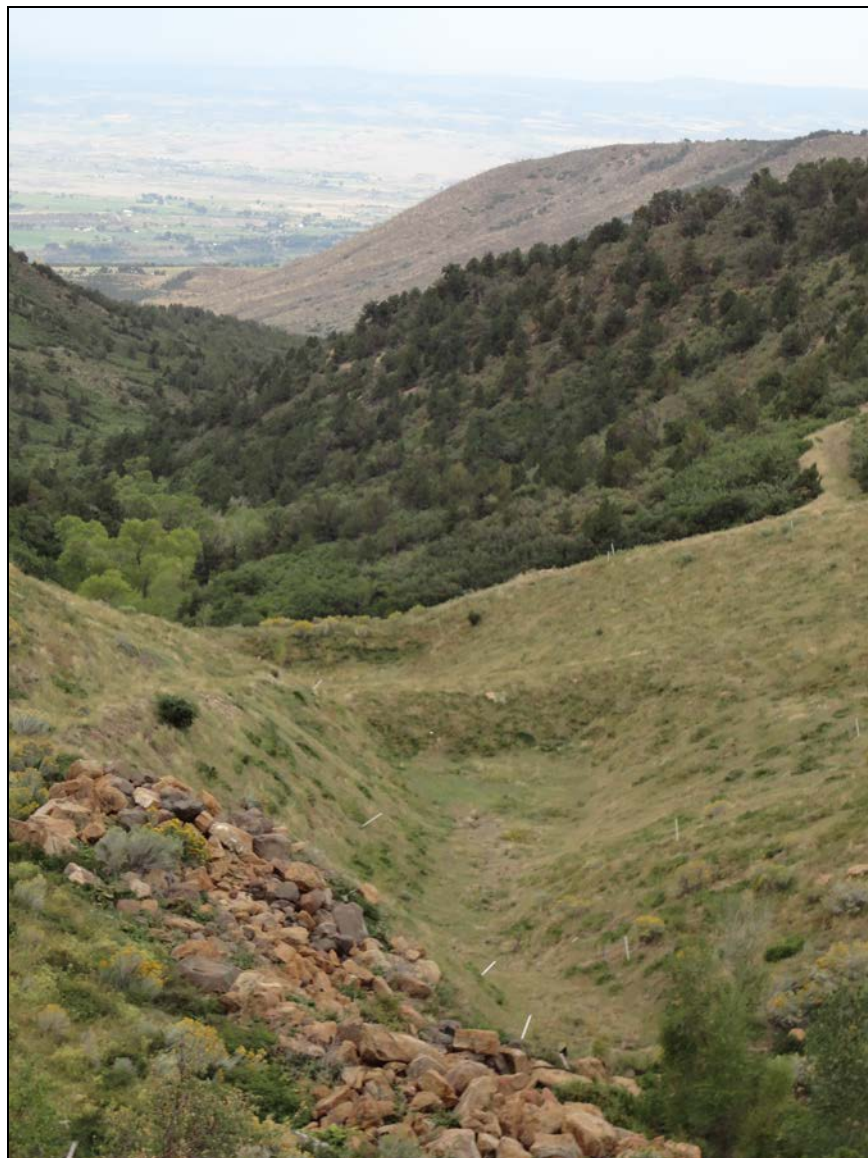


Photo 11
Sediment ponds 1
and 2 at West Mine

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AVAILABILITY OF RECORDS**PERMIT RECORDS**

DRMS Permit

April 20, 2018

Permit Application w/Revisions
Findings Document
Insurance Certificate
Bond Document
Phased Bond Release
Documents/Findings
Air Emission Permits
County Special Use Permits
UG Mining Landowner Notification
Subsidence Monitoring Reports
Subsidence Monitoring Data
Rill & Gully Survey
Vegetation Monitoring Data
Specific Variance Approvals
Annual Reclamation Reports
Midterm Review Documents
DRMS/OSM Inspection
Reports/Enforcement Actions (3 Years)
Transfers/Succession of Operator
Temporary Cessation Notification
Reclamation Cost Estimate

X B.Bear office
RN6
2/1/2014
3 @\$5,761,290.00
SL-2, SL-3, and SL-4
9/2/2004
NA
X
X 2012
X 2012
NA
NA
X
X 2012
X 2010
X
7/29/2009
NA
SL4

CERTIFICATIONS

Pond Certifications
Annual Certifications for Large Impoundments
Fill Certifications for Excess Spoil or Underground Development Waste
• Quarterly Inspections

X
NA
X
NA

- Compaction Testing
- Final Certification

Coal Processing Waste Banks
Haul Road Certifications
Access Road Certifications

NA
NA
X
NA

HYDROLOGIC RECORDS

NPDES Permit

X Exp 6/30/2013,
extension granted
July 1, 2013

NPDES Records
Stormwater Management Plan
SPCC Plan
MSHA Pond Inspections
State Engineer's Pond Inspection
Quarterly Pond Inspections
Annual Hydrology Reports
• Ground Water Monitoring
• Surface Water Monitoring
• Spring & Seep Monitoring
• Mine Water Discharge Monitoring
• Mine Inflow Study
• Water Consumption Records
Well Permits
Annual Pond Certification

1st Q 2013
Apr 2009
5/1/1992
NA
NA
X 2nd Q 2013
X 2012
X
X
X
NA
AHR
2012
NA
3/29/2013

BLASTING RECORDS

Blasting Publication
Blasting Records (3 years)
ATFE Explosives Permit
Blasting Variances
Pre-Blast Surveys

NA
NA
NA
NA
NA

ADDITIONAL RECORDS (specify)

Stormwater Permit

Exp 9/30/2011 BRL
has requested
termination

COMMENTS:

Variance from AOC MR93 and TR28

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