

Simmons - DNR, Leigh <leigh.simmons@state.co.us>

C1982022, Elk Creek Mine, Aerial Inspection Report

Simmons - DNR, Leigh <leigh.simmons@state.co.us> To: Doug Smith <Doug.Smith@oxbow.com>

Tue, Aug 3, 2021 at 11:17 AM

Thanks for pointing that out - should be fixed in this one.

Leigh Simmons Environmental Protection Specialist



P 303.866.3567 x 8121 | C 720.220.1180 | F 303.832.8106 1313 Sherman Street, Room 215, Denver, CO 80203 leigh.simmons@state.co.us | https://drms.colorado.gov

On Tue, Aug 3, 2021 at 11:04 AM Doug Smith <Doug.Smith@oxbow.com> wrote:

FYI, the photo on page 11 of 12 did not come through. Just the Arrow. Pretty interesting.

From: Simmons - DNR, Leigh < leigh.simmons@state.co.us>

Sent: Monday, August 2, 2021 5:05 PM

To: Doug Smith < Doug. Smith@OXBOW.COM>

Cc: DNR DRMS CoalAdmin - DNR <dnr drms coal admin@state.co.us>

Subject: C1982022, Elk Creek Mine, Aerial Inspection Report

[external email-use caution]

Attached

Leigh Simmons

Environmental Protection Specialist



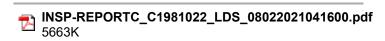
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that are unexpected or arrive from unknown senders.





PERMIT INFORMATION

Permit Number: C-1981-022	County: Delta, Gunnison			
Mine Name: Elk Creek Mine	Operation Type: Underground			
Operator: Oxbow Mining, LLC	Permit Status: Active			
Operator Address:	Ownership: Private			
Mr Doug Smith				
3737 Hwy 133	Operator Representative Present:			
P. O. Box 535				
Somerset, CO 81434	NA			
Operator Representative Signature: (Field Issuance Only)				

INSPECTION INFORMATION

Inspection Start Date: July 30, 20 Inspection Start Time: 11:20 Inspection End Date: July 30, 20 Inspection End Time: 11:24			Inspection Type: Aerial In Inspection Reason: Norma Weather: Clear	•
Joint Inspection Agency: Joint		t Inspection Contacts:		
None				
Post Inspection Agency: Post		ost Inspection Contacts:		
None				
Inspector(s):	Inspecto	r's Sig	nature:	Signature Date:
Leigh Simmons	H	fi	\sim	August 2, 2021
Brock Bowles				

Inspection Topic Summary

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

N - Air Resource Protection N - Roads

N - Availability of Records R - Reclamation Success

N - Backfill & Grading N - Revegetation

N - Excess Spoil and Dev. Waste N - Subsidence

N - Explosives
R - Slides and Other Damage
N - Fish & Wildlife
N - Support Facilities On-site
N - Signs and Markers

N - Gen. Compliance With Mine Plan
N - Support Facilities Not On-site
N - Other
N - Special Categories Of Mining

N - Processing Waste N - Topsoil

COMMENTS

This was an aerial inspection. The site was flown and photgraphed by Brock Bowles. Pictures were inspected by Leigh Simmons. The weather was clear, although a haze in the air caused by smoke from wildfires accross the western US reduced the clarity of some of the pictures.

RECLAMATION SUCCESS - Rule 4.15, Rule 3:

Reclaimed areas around the mine facilities area, including the Elk Creek channel, appeared to be stable. The reclaimed CBM well pads and roads also appear stable, with vegetative cover visible. The reclaimed disturbance in A-gulch also appeared to be stable, with more established vegetation. There is no sign of any erosion on any of the reclaimed areas.

SLIDES and DAMAGE - Rule 4.12:

The pictures of B-gulch appear to show a small landslide at a rock outcrop near the head of the gulch. The rockfall/landslide is immediately south of the CBM-9/10/12/14 pad, and perhaps 50-100' lower in elevation. The aerial images do not suggest that the pad contributed to increased runoff down the gulch or could be linked to the landslide.

DOCUMENTS RECEIVED

N/A

OTHER (SPECIFY)

N/A

ENFORCEMENT ACTIONS/COMPLIANCE

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

PHOTOGRAPHS



Figure 1: Lower facilities area



Figure 2: Upper section of reclaimed Elk Creek channel



Figure 3: Upper facilities area



Figure 4: Reclaimed CBM-9/10/12/14 and CBM-8/11/13 (foreground) pads, with reclaimed A-gulch disturbance to the right of the frame



Figure 5: Reclaimed CBM-8/11/13 pad and road



Figure 6: CBM-1/2/3/6/7 pad and road



Figure 7: CBM-4/5 pad (left of frame)



Figure 8: A-gulch (blue), B-gulch (orange) and CBM-9/10/12/14 pad (yellow)

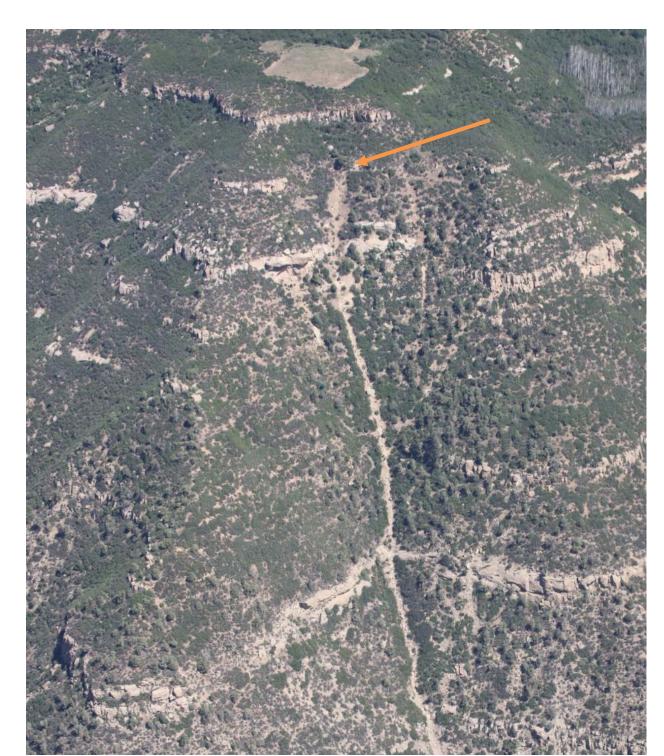


Figure 9: Rockfall/landslide in B-gulch



Figure 10: Lower section of B-gulch, with landslide debris near old Highway 133