

OXBOW MINING, LLC



3737 Hwy 133, P.O. Box 535, Somerset, Colorado 81434 USA Tel (970)929-5122 Fax (970) 929-5177

March 15, 2021

Mr. Leigh Simmons
Environmental Protection Specialist
Colorado Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203

Re: Oxbow Mining, LLC., Permit C-1981-022
2020 Annual Reclamation Report

Dear Mr. Simmons:

The following information is submitted as the 2020 Annual Reclamation Report for the Oxbow Mining, LLC, Sanborn Creek and Elk Creek Mines. The contents of this report are submitted to satisfy the requirements of CDMG Rule 2.04.13 Annual Reclamation Reports. Also included is an executed *CDRMS, Annual Reclamation Report for Calendar Year 2020* form.

Location and numbers of acres disturbed during 2020: 0.00 acres

Location and number of acres of areas backfilled and graded during 2020: 0.00 acres

Basically, all that remains to complete demolition, backfill and grading for the property are the dams that remain at the bottom of the refuse piles, (Pond C and Pond E), and the reclamation of the West Valley II lower access road. This activity is anticipated to occur after Phase 2 surety release of the refuse piles is achieved.

Surety Release 01 (SL-01) for the Elk Creek facilities area was completed during 2019. SL-01 included 19.4 acres of phase 1 bond release in areas known as the Middle and Lower Pads. A 1.3 acre area composed of a two foot barrier surrounding the reclaimed Elk Creek was not included in the release, but will be eligible for phase 3 release in 2028.

Elk Creek Surety Release 02 (SL-02) was submitted in September of 2019. Elk Creek Surety Release 03 (SL-03) was submitted in August of 2020. Elk Creek Surety Release 04 (SL-04) was submitted in January of 2021.

Seed Purchases:

No seed was purchased during 2020. Minimal “supplemental” spreading of Oxbow Table 3 seed mix occurred on the area below the East Yard Coal Waste pile during 2020. No seed mix was spread on USFS lands. No seed mix was spread on BLM lands.

Weed Control

Scattered thistles, hounds tongue, white top and other noxious weeds were sprayed by Oxbow employees. *Curtail* and *Escort* herbicides were used in accordance with the labels. Areas sprayed included general disturbance areas such as road cuts, reclaimed areas, warehouse storage areas, pond out slopes, reclaimed borehole roads and borehole pad sites, etc.

Rill and Gully Survey

The Lower Hubbard Creek site, the Bear Creek site, the reclaimed areas of the II West and West Valley fill coal refuse disposal area and East Yard coal refuse disposal area and the reclaimed degas wells sites, etc. were inspected for the formation of rills and gullies deeper than nine inches. No such gullies were encountered which would require follow-up repair and seeding.

Reclamation Map

As in years past, included with this report is an updated: EXHIBIT 1 – SUMMARY OF DISTURBANCE/ SEEDED AREAS, summarizing the OMLLC disturbance and reclaimed areas. It is implied that the areas noted as reclaimed include applicable backfilling, grading, topsoil spreading, and seeding activities.

Modifications to EXHIBIT 1

Changes have been made to long used EXHIBIT 1 – SUMMARY OF DISTURBANCE/SEEDED AREAS. The changes that were necessary to reconcile items that have always been listed as having been seeded, but were missing from the listed disturbance areas. Exhibit 2 has been added to account for light use drill roads on the Hotchkiss Ranch Property that will remain unreclaimed at the landowner’s request. Exhibit 3 is a spreadsheet feature that is included to help complete this years, and future, CDRMS Annual Reclamation Report Forms.

Line items: Sanborn Creek Portal Area, A-Gulch, East Yard coal mine waste (gob) pile, and Bear Creek LU Cutoff LU Road, have previously had a year listed for having been seeded, but the areas were missing from the Disturbed area listings. These areas have been inserted into the Disturbance/seeded areas portion of Exhibit 1.

EXHIBIT 2 is included in this report to show the calculation that determines the acreage used to account for Light Use drill roads that were left on Hotchkiss Ranch property, at their request. The request was approved in MR108. The road lengths listed in the drill hole descriptions were multiplied by an estimated average width of 17 feet, which was converted to acres. Rather than subtract the areas from the line individual items in the Degasification sections, one total area was subtracted from each section. Then, the total area was added to the Satellite Facilities to account for the roads that remain as permanent facilities.

EXHIBIT 3 is a copy of the spreadsheet included to show sums used to complete the 2020 Annual Reclamation Report Form.

Also included in this submittal are a revised, but uncorrected, Annual Reclamation Report Form for 2019 that was not previously submitted to CDRMS, as well as a Form for 2020. On the 2020 Form, acres added and subtracted are the corrections between 2019 and 2020. The 9 years and less and 10 years and greater boxes differ year to year.

I feel that this revision to EXHIBIT 1 is now at least balanced, and I would like to continue to update this version going forward. Or, we could abandon the long used EXHIBIT 1 and devise another tracking system.

Please let me know what further corrections you would like to see and how you would like to proceed. Please contact me at 970-929-6034 with questions. Thank you for your patience.

Sincerely,

A handwritten signature in blue ink that reads "Doug A. Smith". The signature is written in a cursive, flowing style.

Doug A. Smith
Chief Engineer

Attachments

Xc: Mike Ludlow (OMLLC)
files

OXBOW MINING, LLC
2020 ARR

Exhibit 1 – Summary of Disturbance/ Seeded Areas

DISTURBED AREAS (Note 1)(Note 2)

<u>Existing Facilities</u>	<u>Adjusted Acres</u>	<u>Acres</u>	<u>Status</u>
Temporary conveyor Elk Creek		0.3	Reclaimed
Rock dust site – Elk Creek		0.5	Remains
Elk Creek facilities area		39.0	Reclaimed
Sanborn Creek mine, SC-1		4.1	Reclaimed
West Valley Fill and haul road		12.9	Reclaimed
Elk Creek mine surface facilities		24.2	Remains
II West Coal Mine Waste Facility (initial)		3.3	Reclaimed
Sanborn Creek Portal area		2.3	Reclaimed
Sanborn Creek Portal Borrow area		0.4	Reclaimed
A-Gulch		5.0	Reclaimed
East Yard coal mine waste (gob) pile		1.1	Reclaimed
Adjusted subtotal		93.2	
<u>Satellite Facilities</u>			
Upper Hubbard Creek(Somerset Mine)		3.3	Remains
Lower Hubbard Creek(Somerset Mine)		2.6	Reclaimed
Power line road, Hubbard Creek		0.7	Remains
Bear Creek fan area (U.S. Steel)		3.0	Reclaimed
Bear Creek Cutoff LU Road		2.1	Remains
Water treatment plant area		1.5	Remains
Sewage effluent absorption field		0.3	Remains
Substation No. 3 and ventilation shaft		1.6	Remains
Coal Gulch drill holes		0.4	Reclaimed
Power line road		17.0	Remains
Hubbard Fansite		3.2	Reclaimed
Bear Creek Fan and Shaft (2009)		2.3	Remains
Hotchkiss Ranch road retained		5.6	Remains
adjusted subtotal		43.6	
Existing/Satellite Facilities total	136.8		

OXBOW MINING, LLC
2020 ARR

Degasification (Gob Vent Borehole) borehole sites and light use roads

Sanborn Creek Mine (#s 1-14)	6.1	Reclaimed	
GVB-LW4-01 (1915' road and pad)	1.5	Reclaimed	
GVB-LW3-01, GVB-LW4-03 (4000' road and pads)	2.1	Reclaimed	
GVB-LW3-02	0.5	Reclaimed	
GVB-LW4-02	0.5	Reclaimed	
GVB-LW6-02 (1600' road and pad)	0.9	Reclaimed	
GVB-LW6-03 535' road and pad	0.6	Reclaimed	
GVB-LW7-02 pad plus 600' road	0.7	Reclaimed	
GVB-LW7-03 pad	0.3	Reclaimed	
GVB-LW7-04	0.2	Reclaimed	
GVB-LW8-01	0.5	Reclaimed	
GVB-LW8-02 pad plus 1425' road	1.4	Reclaimed	
GVB-LW8-03 pad only	0.2	Reclaimed	
GVB-LW8-04	0.1	Reclaimed	
GVB-LW9-01 pad plus 3500' road	1.7	Reclaimed	
GVB-LW9-03 pad plus 132' road	0.4	Reclaimed	
GVB-LW9-01B pad plus 5600' road	2.8	Reclaimed	
GVB-LW9-02 pad	0.4	Reclaimed	
GVB-LW9-04 pad	0.4	Reclaimed	
GVB-LW9-05 pad plus 1300' road	1.2	Reclaimed	
GVB-LW10-01 pad plus 1190' road	0.9	Reclaimed	
GVB-LW10-02 pad	0.3	Reclaimed	
GVB-LW10-03B C Pad	1.2	Reclaimed	
GVB-LW10-04 pad	0.4	Reclaimed	
GVB-LW10-05 pad plus 896' road	0.8	Reclaimed	HR ROAD LEFT
GVB-LW11-01A pad	0.3	Reclaimed	
GVB-LW11-01B pad	0.2	Reclaimed	
GVB-LW11-02 pad along road	0.4	Reclaimed	
GVB-LW12-01 pad plus 709' road	0.8	Reclaimed	
GVB-LW12-02 pad along road	0.0	Reclaimed	
GVB-LW12-03 pad along road	0.5	Reclaimed	
GVB-LW12-03 - 2013' road	0.8	Reclaimed	HR ROAD LEFT
GVB-LW11-03 pad along road	0.2	Reclaimed	
GVB-LW15-02,01A, 01B pad	1.8	Reclaimed	
GVB-LW15-03 pad + 5,500' road	3.9	Reclaimed	
GVB-LW15-04 pad + 1,207' road	1.8	Reclaimed	
GVB-LW15-05 pad + 2000' road	1.4	Reclaimed	
GVB-LW15-06 pad + 830' road	1.2	Reclaimed	
GVB-LW15-07 pad + 1,500' road	1.3	Reclaimed	
GVB-LW15-08 pad + 200' road	0.9	Reclaimed	
GVB-LW16-01,B,C,D, E (2 pads + 790' road) (lower pad)	2.5	Reclaimed	HR ROAD LEFT
GVB-LW16-02, 02B, 02C pad + 1,300' road	2.0	Reclaimed	
GVB-LW16-03 pad + 333' road	1.5	Reclaimed	

OXBOW MINING, LLC

2020 ARR

GVB-LW16-04B pad + 1100' road	2.0	Reclaimed	HR ROAD LEFT
GVB-LW16-05 pad + 1000'	1.5	Reclaimed	HR ROAD LEFT
GVB-LW16-06 pad + 750' road	0.9	Reclaimed	
GVB-LW16-07, 07B pad + 600' road	0.8	Reclaimed	
GVB-LW16-08 pad + 670' road	0.6	Reclaimed	
GVB-LW17-01AB pad + 319' road	1.1	Reclaimed	
GVB-LW17-01C pad	0.3	Reclaimed	
GVB-LW17-02, 02B, 02C pad + 35' road	0.7	Reclaimed	
GVB-LW17-03 pad + 500' road	0.9	Reclaimed	
GVB-LW17-07 pad	0.4	Reclaimed	
GVB-LW18-01A pilot - pad + 1,500'	1.3	Reclaimed	HR ROAD LEFT
GVB-LW18-03 pilot - pad + 569'	0.6	Reclaimed	HR ROAD LEFT
GVB-LW18-07 pad	0.8	Reclaimed	
GVB-LW18-07 B,C,D pad	0.8	Reclaimed	
GVB-LW18-07 B,C,D pad + 1900' road	0.8	Reclaimed	
GVB-LW18-08 pad + 600' road	0.9	Reclaimed	
GVB-LW18-09 + 1600' road	1.7	Reclaimed	
GVB-LW19-01A pilot - pad + 440' (see HGBMP)	1.3	Reclaimed	HR ROAD LEFT
GVB-LW19-03 pilot - pad + 537' road	1.4	Reclaimed	
GVB-LW19-07 + road 525'	1.0	Reclaimed	
GVB-LW19-08 + road 1833'	1.9	Reclaimed	
GVB-LW19-09 + road 755'	1.3	Reclaimed	
VB-1S, B-1S, pad + 800' road	0.4	Reclaimed	
ECM-10-68 pad + 500' road	0.4	Reclaimed	
ECM-10-69 pad + 770' road	0.5	Reclaimed	
ECM-10-70 pad	0.3	Reclaimed	
ECM-10-71 pad + 420' road	0.4	Reclaimed	
ECM-10-72 pad + 370' road	0.4	Reclaimed	
ECM-10-73 pad + 700' road	0.4	Reclaimed	HR ROAD LEFT
ECM-10-74 pad + 1,360' road	0.6	Reclaimed	HR ROAD LEFT
ECM-10-75 pad + 475' road	0.4	Reclaimed	HR ROAD LEFT
ECM-10-76 pad + 225' road	0.3	Reclaimed	HR ROAD LEFT
GVB-LW17-04, 04B, 04C	1.0	Reclaimed	
GVB-LW17-05, 05B pad + 700' road	1.5	Reclaimed	HR ROAD LEFT
GVB-LW17-06, 06B, 06C pad + 757' road	1.2	Reclaimed	
GVB-LW17-08, 08B pad + 1477' road	1.2	Reclaimed	
GVB-LW17-09 pad only	1.0	Reclaimed	
GVB-LW17-09 pad + 517' road	1.2	Reclaimed	
GVB - LW18-01B	0.7	Reclaimed	HR ROAD LEFT
GVB-LW18-02 pad + 146 road	1.0	Reclaimed	
GVB-LW18-02B + 417' road	1.0	Reclaimed	HR ROAD LEFT
GVB-LW18-03B + 297' road	0.9	Reclaimed	
GVB-LW18-04	0.5	Reclaimed	
GVB-LW18- 04B + 78' road	1.0	Reclaimed	
GVB-LW18-04C + 371' road	0.8	Reclaimed	HR ROAD LEFT
GVB-LW18-05 + 328' road	1.2	Reclaimed	HR ROAD LEFT
GVB-LW18-06 + 100' road	0.8	Reclaimed	

OXBOW MINING, LLC

2020 ARR

GVB-LW19-01B +116' road	0.7	Reclaimed	
GVB-LW19-01C on road	0.7	Reclaimed	
GVB-LW19-01D on road	0.9	Reclaimed	
GVB-LW19-02 + 275' road	1.1	Reclaimed	HR ROAD LEFT
GVB-LW19-02B + 450' road	0.8	Reclaimed	HR ROAD LEFT
GVB-LW19-03B + 49' road	1.1	Reclaimed	
GVB-LW19-04 on road	0.7	Reclaimed	
GVB-LW19-04B + 52' road	1.1	Reclaimed	HR ROAD LEFT
GVB-LW19-05 + 222' road	1.0	Reclaimed	HR ROAD LEFT
GVB-LW19-06 + 1423' road	1.4	Reclaimed	
TGBMPA +556' road	1.1	Reclaimed	HR ROAD LEFT
HGBMP + (19-01A location)	0.0	Reclaimed	HR ROAD LEFT
HGA	1.5	Reclaimed	
TGA	0.8	Reclaimed	
5B	0.8	Reclaimed	
Dewater #1,#2 5082' road only	2.1	Reclaimed	
Dewater #1,#2 pad only	1.6	Reclaimed	
TC1 and TC2 wells	0.0	Reclaimed	
Hotchkiss Ranch road retained	(exhibit 1)	-5.6	

adjustment subtotal 101.2

New Total Disturbance 238.0 acres

Note 1 - Disturbance and seeded area
acres were evaluated and adjusted
after 2014 review of as- built roads and
GVB drill pads.

Note 2 - Disturbed and Seeded area
acrage descriptions reconciled reconciled
during 2020 review.

OXBOW MINING, LLC

2020 ARR

LONG TERM FACILITIES

Elk Creek mine surface facilities	24.2	Remains
Power line road	17.0	Remains
Power line road, Hubbard Creek	0.7	Remains
Upper Hubbard Creek(Somerset Mine)	3.3	Remains
Rock dust site – Elk Creek	0.5	Remains
Bear Creek Fan and Shaft (2009)	2.3	Remains
Substation No. 3 and ventilation shaft	1.6	Remains
Water treatment plant area	1.5	Remains
Sewage effluent absorption field	0.3	Remains
Bear Creek Cutoff LU Road	2.1	Remains
Hotchkiss Ranch Roads retained	(exhibit 2)	5.6
adjustment subtotal	59.1	

SEEDED AREAS (B&G)

<u>Area</u>	<u>Acres</u>	<u>Year Seeded</u>
Lower Hubbard Creek(Somerset Mine)	2.6	1996
Bear Creek fan area (U.S. Steel)	3.0	1996
East Yard coal mine waste (gob) pile	1.1	2002 and 2003
A-Gulch	5.0	2003
Sanborn Creek Portal area	2.3	2003
Sanborn Creek mine, SC-1	4.1	2003
Sanborn Creek Portal Borrow area	0.4	2003
Hubbard Fansite	3.2	2011
Coal Gulch drill holes	0.4	2017
Temporary conveyor Elk Creek	0.3	2018
West Valley Fill	0.6	2002
West Valley Fill	0.5	2003
West Valley Fill remaining completed	11.8	2018
II West up to 6,100'	0.4	2009
II West – 6100' to 6113'	0.1	2010
II West - 6113' to 6122'	0.1	2011
II West – 6122' to 6128'	0.1	2012
II West – 6128' to 6141'	0.2	2013
II West remaining completed	2.5	2018
Elk Creek facilities area	39.0	2018
adjustment subtotal	77.7	
longterm /seeded (B&G) adjusted total	136.8	

Degasification (Gob Vent Borehole) borehole sites and light use roads

GVB-LW3-01, GVB-LW4-03		
(4000' road and pads)	2.1	2005
GVB-LW3-02	0.5	2005
GVB-LW4-01 (1915' road and pad)	1.5	2005
GVB-LW4-02	0.5	2005

OXBOW MINING, LLC

2020 ARR

GVB-LW6-02 (1600' road and pad)	0.9	2006	
GVB-LW6-03 pad plus 535' road	0.6	2006	
GVB-LW7-02 pad plus 600' road	0.7	2006	
GVB-LW8-01	0.5	2006 and 2007	
GVB-LW7-03 pad	0.3	2007	
GVB-LW12-01 (pad and 709' road)	0.8	2007	
GVB-LW11-01B	0.2	2007	
GVB-LW10-01 pad plus 1190' road	0.9	2007	
TC1 and TC2 wells	0.0	2007	
GVB-LW9-01 pad + 3500' road	1.7	2008	
GVB-LW11-01A pad	0.3	2008	
GVB-LW12-03 pad *	0.5	2008	
GVB-LW9-01B pad + 5600' road	2.8	2009	
GVB-LW10-02 pad	0.3	2009	
GVB-LW9-02 pad	0.4	2009	
GVB-LW10-03BC pad	1.2	2009	
GVB-LW9-03 pad plus 132' road	0.4	2009	
GVB-LW8-02 pad and 1425' road	1.4	2010	
GVB-LW8-03 pad only	0.2	2010	
GVB-LW9-04 pad	0.4	2010	
GVB-LW10-04 pad	0.4	2010	
GVB-LW11-02 pad on road	0.4	2010	
GVB-LW12-02 pad on road	0.0	2010	
VB-1S-01, B-1S-02 pad + 800' road	0.4	2010	
ECM-10-68 pad + 500' road	0.4	2010	
ECM-10-69 pad + 770' road	0.5	2010	
ECM-10-70 pad	0.3	2010	
ECM-10-71 pad + 420' road	0.4	2010	
ECM-10-72 pad + 370' road	0.4	2010	
ECM-10-73 pad + 700' road	0.4	2010	HR ROAD LEFT
ECM-10-74 pad + 1,360' road	0.6	2010	HR ROAD LEFT
ECM-10-75 pad + 475' road	0.4	2010	HR ROAD LEFT
ECM-10-76 pad + 225' road	0.3	2010	HR ROAD LEFT
GVB-LW15-03 pad + 5500' road	3.9	2011	
GVB-LW15-04 pad + 1,207' road	1.8	2011	
GVB-LW15-05 pad + 2,000' road	1.4	2011	
GVB-LW15-06 pad + 830' road	1.2	2011	
GVB-LW15-07 pad + 1,500' road	1.3	2011	
GVB-LW16-02, 02B, 02C pad + 1,300' road	2.0	2011	
GVB-LW16-03 pad + 333' road	1.5	2011	
GVB-LW16-04B, pad + 1100' road	2.0	2011	HR ROAD LEFT
GVB-LW16-05 pad + 1000'	1.5	2011	HR ROAD LEFT
GVB-LW16-06 pad + 750' road	0.9	2011	
GVB-LW16-07, 07B pad + 600' road	0.8	2011	
GVB-LW18-07 pad	0.8	2011	
GVB-LW18-01A pad + 1500' road	1.3	2011	HR ROAD LEFT
GVB-LW17-01C pad	0.3	2011	

OXBOW MINING, LLC

2020 ARR

GVB-LW19-03 pilot- pad+537' road	1.4	2011	
GVB-LW15-02,01A, 01B pad	1.8	2012	
GVB-LW15-08 pad + 200' road	0.9	2012	
GVB-LW17-01AB pad + 319'road	1.1	2012	
GVB-LW17-03 pad + 500'road	0.9	2012	
GVB-LW17-04, 04B, 04C	1.0	2012	
GVB-LW17-09 pad only	1.0	2012	
GVB-LW9-05 + 1300' road	1.2	2012	
GVB-LW10-05 pad plus 896' road	0.8	2012	HR ROAD LEFT
GVB-LW12-03 - 2013' road	0.8	2012	HR ROAD LEFT
GVB-LW11-03 pad along road	0.2	2012	
GVB-LW18-07 B,C,D pad	0.8	2016	
GVB-LW18-07 B,C,D pad + 1900'road	0.8	2016	
GVB-LW18-08 pad + 600' road	0.9	2016	
GVB-LW19-08 + road 1833'	1.9	2016	
Dewater #1,#2 5082' road only	2.1	2016	
Dewater #1,#2 pad only	1.6	2016	
Sanborn Creek Mine (#s 1-14)	6.1	2017	
GVB-LW7-04	0.2	2017	
GVB-LW8-04	0.1	2017	
GVB-LW16-01,B,C,D, E (2 pads + 790' road) (lower pad)	2.5	2017	HR ROAD LEFT
GVB-LW16-08 pad + 670' road	0.6	2017	
GVB-LW17-02, 02B, 02C pad + 35'road	0.7	2017	
GVB-LW17-05, 05B pad + 700' road	1.5	2017	HR ROAD LEFT
GVB-LW17-06, 06B, 06C pad + 757'road	1.2	2017	
GVB-LW17-07 pad	0.4	2017	
GVB-LW17-08, 08B pad + 1477'road	1.2	2017	
GVB-LW18-03 pilot- pad + 569'	0.6	2017	HR ROAD LEFT
GVB-LW18-09 + 1600' road	1.7	2017	
GVB-LW19-01A pilot- pad+ 440' (see HGBMP)	1.3	2017	HR ROAD LEFT
GVB-LW19-07 + road 525'	1.0	2017	
GVB-LW19-09 + road 755'	1.3	2017	
GVB-LW17-09 pad + 517'road	1.2	2017	
GVB-LW18-01B	0.7	2017	HR ROAD LEFT
GVB-LW18-02 pad + 146 road	1.0	2017	
GVB-LW18-02B + 417' road	1.0	2017	HR ROAD LEFT
GVB-LW18-03B + 297' road	0.9	2017	
GVB-LW18-04	0.5	2017	
GVB-LW18- 04B +78' road	1.0	2017	
GVB-LW18-04C + 371' road	0.8	2017	HR ROAD LEFT
GVB-LW18-05 + 328' road	1.2	2017	HR ROAD LEFT
GVB-LW18-06 + 100' road	0.8	2017	
GVB-LW19-01B +116' road	0.7	2017	
GVB-LW19-01C on road	0.7	2017	
GVB-LW19-01D on road	0.9	2017	
GVB-LW19-02 + 275' road	1.1	2017	HR ROAD LEFT
GVB-LW19-02B + 450' road	0.8	2017	HR ROAD LEFT

OXBOW MINING, LLC

2020 ARR

GVB-LW19-03B + 49' road	1.1	2017	
GVB-LW19-04 on road	0.7	2017	
GVB-LW19-04B + 52' road	1.1	2017	HR ROAD LEFT
GVB-LW19-05 + 222' road	1.0	2017	HR ROAD LEFT
GVB-LW19-06 + 1423' road	1.4	2017	
TGBMPA +556' road	1.1	2017	HR ROAD LEFT
HGBMP + (19-01A location)	0.0	2017	HR ROAD LEFT
HGA	1.5	2017	
TGA	0.8	2017	
5B	0.8	2017	
Hotchkiss Ranch road retained	(exhibit 2)	-5.6	
subtotal		101.2	

Cumulative Total Reclamation 238.0

yellow back ground denotes road left per land owners request (see MR108)

corrected lines

OXBOW MINING, LLC
2020 ARR

EXHIBIT 2

HOTCHKISS LIGHT USE ROADS LEFT AS PERMANENT FACILITIES
AT 17 FEET WIDE

	FEET OF ROAD AC @17'W	
GVB-16-04B, pad + 1100' road	1100	0.4
GVB-LW16-05 pad +1000'	1000	0.4
GVB-LW17-05, 05B pad + 700' road	700	0.3
GVB-LW10-05 pad plus 896' road	896	0.3
GVB-LW12-03 - 2013' road	2013	0.8
GVB-LW16-01,B,C,D, E (2 pads + 790' road) (lower pad)	790	0.3
GVB-LW18-03 pilot- pad + 569'	569	0.2
GVB-LW18-02B + 417' road	417	0.2
GVB-LW19-01A + 440' (see HGBMP)	440	0.2
HGBMP + (19-01A location)	0	0.0
GVB - LW18-01B	0	0.0
TGBMPA +556' road	556	0.2
GVB-LW18-04C + 371' road	371	0.1
GVB-LW18-05 + 328' road	328	0.1
GVB-LW19-02 + 275' road	275	0.1
GVB-LW19-02B + 450' road	450	0.2
GVB-LW19-04B + 52' road	52	0.0
GVB-LW19-05 + 222' road	222	0.1
GVB-LW18-01A pilot -pad+1,500'	1500	0.6
ECM-10-73 pad + 700' road	700	0.3
ECM-10-74 pad + 1,360' road	1360	0.5
ECM-10-75 pad + 475' road	475	0.2
ECM-10-76 pad + 225' road	225	0.1
	<hr/> <hr/> 14439	5.6

OXBOW MINING, LLC
2020 ARR

EXHIBIT 3

TOTALS FOR ARR FORM

Acres Disturbed= B&G + Long term facilities	238.0
Acres B&G = GVB & LU ROADS & RECLAIMED FACILITIES	178.9
Acres Topsoiled = topsoiled & seeded	178.9

Acres long term facilities	59.1
permitted long term s= haul, LU roads	
Totals	59.1

9 years and less (2020-9 >=2011)	GVB	77.3
	SEEDED (B&G)	59.1
		<u>136.4</u>

10 years and greater (2020-10 <= 2010)	GVB	23.9
	SEEDED (B&G)	18.6
		<u>42.4</u>

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year – 2019 *R-1*

ELK CREEK MINE

C-1981-022

OXBOW MINING, LLC.

Mine Name

Permit Number

Permittee

P.O. BOX 535, SOMERSET, CO 81434

Address

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly identified on a map included with the report.

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acreage in Active Mining Areas ¹	N/A			=	N/A

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acres Disturbed ²	226.99	0	0	=	226.99
Acres Backfilled and Graded	151.84	0	0	=	151.84
Acres Topsoiled	151.84	0	0	=	151.84

Acreage in Long-term Facilities ³	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Non-Permanent Facilities	75.15	0	0	=	75.15
Permanent Facilities (permitted)	151.84	0	0	=	151.84
Totals	226.99			=	226.99

Acres Seeded (permanent)	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
9 Years and Less	121.69	0	6.49	=	115.2
10 Years and Greater	30.15	6.49	0	=	36.64
Totals	151.84			=	151.84

Bond Release	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Phase I Released	0	19.4	0	=	19.4
Phase II Released	0	0	0	=	0
Phase III Released	0	0	0	=	0

¹Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

²Surface Mine Acres Disturbed = B&G + Long-Term Facilities + Active Mining Areas; Underground Mine Acres Disturbed = B&G + Long-Term Facilities; Separately-permitted Loadouts = B&G + Long-Term Facilities

³Includes haul, access and light-use roads, temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; refuse piles and coal mine waste impoundments; head-of-hollow fills; valley fills; ventilation shafts and entryways; and non-coal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year – 2020

ELK CREEK MINE

C-1981-022

OXBOW MINING, LLC

Mine Name

Permit Number

Permittee

P.O. BOX 535, SOMERSET, CO 81434

Address

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly identified on a map included with the report.

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acreage in Active Mining Areas ¹	N.A.			=	N.A.

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acres Disturbed ²	227.0	11.0		=	238.0
Acres Backfilled and Graded	151.8	27.1		=	178.9
Acres Topsoiled	151.8	27.1		=	178.9

Acreage in Long-term Facilities ³	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Non-Permanent Facilities	75.2	0	16.1	=	59.1
Permanent Facilities (permitted)	151.8	27.1		=	178.9
Totals	227.0			=	238.0

Acres Seeded (permanent)	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
9 Years and Less	115.2	21.3		=	136.5
10 Years and Greater	36.6	5.8		=	42.4
Totals	151.8			=	178.9

Bond Release	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Phase I Released	19.4			=	19.4
Phase II Released	0			=	0
Phase III Released	0			=	0

¹Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

²Surface Mine Acres Disturbed = B&G + Long-Term Facilities + Active Mining Areas; Underground Mine Acres Disturbed = B&G + Long-Term Facilities; Separately-permitted Loadouts = B&G + Long-Term Facilities

³Includes haul, access and light-use roads, temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; refuse piles and coal mine waste impoundments; head-of-hollow fills; valley fills; ventilation shafts and entryways; and non-coal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

February 8, 2019