



Bowie No. 2 Mine
PO Box 1488
Paonia, CO. 81428
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April 24, 2019

RE: Bowie Resources LLC
Bowie No. 1 Mine
DRMS Permit No. C1981038
2018 Annual Reclamation Report

Ms. Binns:

This is in response to your letter dated March 5, 2019 regarding Bowie's No. 1 2018 Mine Annual Reclamation Report.

In your letter, you requested clarification for the following conflicts found in this report.

1. Please report the unreclaimed acreage in the "Long-term Facilities" column.

Response: Using the new reclamation report provide by you, I have added 54.64 acres to the "Acreage in Long-term Facilities", Cumulative Total Column. This is derived by subtracting the "Acres Backfilled and Graded" from the "Acres Disturbed." The 54.64 includes the Bowie 1 Loadout and West Mine Pond reclamation and some access roads.

2. BRL's reported bond release acreage needs to agree with the Divisions values.

Response: The corrected bond release acreage has been corrected as requested.

3. Please provide an explanation as to why the reclamation summary values for seeding and topsoiling are not in agreement with those values reported on the annual Reclamation form.

Response: In reviewing the submitted 2018 ARR, page 30, I found that the columns, "Area (acre)" and "Topsoiled" were not carried forward from previous reclamation reports, thus making a discrepancy in the 2018 ARR. Further, in reviewing all previous ARR's beginning with the 1990 ARR, I have found and corrected several errors to this page as well.

With the new page 30 showing the areas greater than 10 years and less than 10 years, page 31 is not necessary. Please replace the current page 31 with the attached corresponding page.

Sincerely;

A handwritten signature in cursive script, appearing to read "Basil R. Bear".

Basil R. Bear
Mine Manager

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year – 2018

Bowie No. 1 Mine	C1981038	+ Bowie Resources, LLC +
Mine Name	Permit Number	Permittee
P.O. Box 1488, Paonia, CO 81428		
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	0	0	0	=	0

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acres Disturbed ²	156.10	0	0	=	156.1
Acres Backfilled and Graded	101.46	0	0	=	101.46
Acres Topsoiled	86.17	0	0	=	86.17

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	B1 Loadout, West Mine Ponds, Roads	0	0	=	54.64
Permanent Facilities (permitted)		0	0	=	
Totals				=	

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	21.18	0	0	=	21.18
10 Years and Greater	87.42	0	0	=	87.42
Totals	108.60			=	108.60

Bond Release	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Phase I Released	86.01	0	0	=	86.01
Phase II Released	82.14	0	0	=	82.14
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).

Reclamation Summary

Date of Planting	Location	Area (acre)	Topsoiled	Acres Seeded	Mixture	Date of Planting	Location	Area (acre)	Topsoiled	Acres Seeded	Mixture
1977	1	1.05	1.05	1.05	1	2001	na	0.00	0.00	0.00	
1977	3	0.21	0.21	0.21	1	2002	West Mine	16.70	13.80	13.80	7
1977	8	0.39	0.39	0.39	1	2003	na	0.00	0.00	0.00	
1977	11	0.90	0.90	0.90	1	2004	na	0.00	0.00	0.00	
1977	12	1.00	1.00	1.00	1	2005	Vent Shaft/Drill Holes	0.45	0.45	0.45	7
1977	13	0.20	0.20	0.20	1	2006	na	0.00	0.00	0.00	
1977	14	1.00	1.00	1.00	1	2007	na	0.00	0.00	0.00	
1977	16	1.10	1.10	1.10	1	2008	1-A	2.64	2.64	2.64	8
1977	17	0.20	0.20	0.20	1	2008	1-B	3.08	3.08	3.08	8
1977	18	0.30	0.30	0.30	1	2008	1-C	3.24	0.00	3.24	8
1977	19	0.30	0.30	0.30	1	2008	1-D	0.36	0.36	0.36	8
1977	20	0.30	0.30	0.30	1	2008	2-B	0.14	0.00	0.00	
1977	21	0.88	0.88	0.88	1	2008	3-A,B,C	6.44	6.44	6.44	8
1977	22	1.22	1.22	1.22	1	2008	4-A	2.64	2.64	2.64	8
1977	26	1.25	1.25	1.25	1	2008	4-D	3.50	3.50	3.50	8
1977	27	0.50	0.50	0.50	1	2008	5-A	0.82	0.82	0.00	
1977	28	0.75	0.75	0.75	1	2008	6-A	11.16	11.16	11.16	8
1977	29	0.75	0.75	0.75	1	2009	1-E	0.07	0.07	0.00	
1977	30a	0.35	0.35	0.35	1	2009	2-A	1.98	0.92	0.00	
1978	2	1.23	1.23	1.23	2	2009	2-C	0.44	0.00	0.00	
1978	4	0.42	0.42	0.42	2	2009	2-D	0.15	0.00	0.00	
1978	5	0.30	0.30	0.30	2	2009	2-E	0.18	0.18	0.00	
1978	6	1.00	1.00	1.00	2	2009	4-B	1.17	0.00	1.17	8
1978	7	0.65	0.65	0.65	2	2009	4-C	2.91	0.00	0.00	
1978	9	1.30	1.30	1.30	2	2010	na	0.00	0.00	0.00	
1978	10	0.90	0.90	0.90	2	2011	Zone 1(1-C,D*)	0.00	0.00	3.37	#88803
1978	15	0.80	0.80	0.80	2	2011	Zone 2 (4C,2D,2E)	0.00	0.00	5.17	#88803
1978	23	1.61	1.61	1.61	2	2011	Zone 3 (2D)	0.00	0.00	1.40	#88803
1978	24	0.92	0.92	0.92	2	2011	Zone 4 (1E)	0.00	0.00	0.48	#88804
1978	25	1.25	1.25	1.25	2	2011	Zone 5 (2A)	0.00	0.00	0.09	#88805
1978	30b	0.75	0.75	0.75	2	2011	Zone 6 (2A)	0.00	0.00	1.93	#88806
1978	30c	1.05	1.05	1.05	2	2011	Zone 7 (1B)	0.00	0.00	0.47	#88807
1979	31	3.20	3.20	3.20	2	2011	Zone 8	0.00	0.00	0.92	#88808
1979	34	1.20	1.20	1.20	2	2011	Zone 9	0.00	0.00	1.06	#88809
1979	35	1.10	1.10	1.10	2	2011	Zone 10(5)	0.00	0.00	0.45	#88810
1980	na	0.00	0.00	0.00		2011	Zone 11 (5)	0.00	0.00	0.28	#88811
1981	na	0.00	0.00	0.00		2011	Zone 12 (5)	0.00	0.00	0.33	#88812
1982	na	0.00	0.00	0.00		2011	Zone 13	0.00	0.00	0.78	#88813
1983	32	2.20	2.20	2.20	5	2012	na	0.00	0.00	0.00	
1983	33	0.90	0.90	0.90	5	2013	na	0.00	0.00	0.00	
1984	na	0.00	0.00	0.00		2014	na	0.00	0.00	0.00	
1985	na	0.00	0.00	0.00		2015	na	0.00	0.00	0.00	
1986	na	0.00	0.00	0.00		2016	na	0.00	0.00	0.00	
1987	36	3.27	3.27	3.27	5	2017	Zone 14	3.28	0.00	3.28	#26938
1988	na	0.00	0.00	0.00		2018	na	0.00	0.00	0.00	
1989	na	0.00	0.00	0.00							
1990	37	2.43	2.43	2.43	6						
1991	na	0.00	0.00	0.00							
1992	32	0.63	0.63	0.63	5						
1992	32	-0.81	-0.81	-0.81	na						
1993	32	0.83	0.83	0.83	5						
1993	38	0.12	0.12	0.12	6						
1995	37	0.10	0.10	0.10	5						
1995	38	0.07	0.07	0.07	6						
1996	39	0.04	0.04	0.04	5						
1997	na	0.00	0.00	0.00							
1998	na	0.00	0.00	0.00							
1999	na	0.00	0.00	0.00							
2000	na	0.00	0.00	0.00							

Acres Disturbed	156.10
Acres Backfilled and Graded	101.46
Acres Topsoiled	86.17
Acres Re-Seeded	108.60
<10 Years	21.18
>10 Years	87.42
Acres Disturbed	156.10
Acres Backfilled and Graded	101.46
Remaining Reclamation	54.64

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