



Tamme Bishop, P.E.  
Consulting Engineer

January 23, 2025

Charlie Kwak  
Environmental Protection Specialist  
Office of Surface Mining  
PO Box 25065  
Lakewood, CO 80225-0065

Re: Bowie Resources, LLC, Bowie No. 2 Mine  
Minor Revision No. 208;  
Responses to Midterm No. 6  
Decision Date: January 7, 2025  
Permit No. C-1996-083

Dear Mr. Kwak:

Enclosed is a copy of the referenced minor revision. The enclosed Division of Reclamation Mining and Safety decision form lists the pages and/or drawings which were revised and are included with this transmittal.

The revised pages and/or drawings should be inserted into your record permit.

Sincerely,

Tamme Bishop, P.E.  
Consulting Engineer

Enclosures

cc: Basil Bear  
Rob Zuber w/o enclosures

*Electronic* Levi Broyles  
UBRA Mining Engineer & Geologist  
Bureau of Land Management  
Uncompahgre Basin Resource Area  
2505 South Townsend Avenue  
Montrose, CO 81401

*Electronic* Suzanne Copping  
USDA Forest Service  
P.O. Box 1030  
Paonia, CO 81428



## COAL MINING PERMIT - MINOR REVISION DECISION

Bowie No. 2 Mine, Bowie Resources, LLC  
Permit No. C-1996-083

The Division of Reclamation, Mining and Safety has issued the decision stated below. Any person who has an interest which is or may be adversely affected may request a formal hearing in accordance with Rule 2.08.4(6)(c)(iii).

Minor Revision No. 208

Decision: Approve

Submittal Date: December 13, 2024

Decision Date: January 7, 2025

Description of Revision: Responses to Midterm No.6

DIVISION OF RECLAMATION, MINING  
AND SAFETY

PERMITTEE

---

Authorized Representative - Division  
Date: January 23, 2025

---

Authorized Representative - Permittee (if applicable)  
Date:

CHANGE IN ACREAGE		REVISED TOTAL ACREAGE		PERFORMANCE BOND	
Disturbed:	0.00	Disturbed:	404.22	Prior Liability:	\$11,448,977.00
Affected:	0.00	Affected:	7,051.01	Change in Liability:	\$0.00
Permit:	0.00	Permit:	10,987.40	Revised Liability:	\$11,448,977.00
State:	0.00	State:	0.00	Bond Held:	\$11,448,977.58
Federal:	0.00	Federal:	5,262.90		
Private:	0.00	Private:	5,724.50		
County:	0.00	County:	0.00		
Municipal:	0.00	Municipal:	0.00		

### REVISED APPLICATION PAGES

Volume I, pages 2.03-4, 2.03-7, 2.05-64

### DELETED APPLICATION PAGES

### REVISED MAPS

Map-01

### DELETED MAPS

- (b) The holders of record of any leasehold interest in the area to be affected by surface operations and any purchaser of record under a real estate contract of the coal to be mined.

None

- (c) Any purchaser of record under a real estate contract of the areas to be affected by surface operations and any purchaser of record under a real estate contract of the coal to be mined.

None

- (7) The owners of record of all surface and subsurface areas contiguous to any part of the proposed permit area are as follows:

Surface - Refer to Map 01- Surface Ownership

- 01 Bowie Resources, LLC  
P.O. Box 483  
Paonia, CO 81428
- 02 Bureau of Land Management  
Montrose District Office  
2505 So. Townsend Avenue  
Montrose, CO 81401
- 03 U. S. Forest Service  
Paonia Ranger District  
P.O. Box 1030  
Paonia, CO 81428
- 04 John R Milner  
158 750<sup>th</sup> Rd  
Seldon, KS 67757
- 05 Intentionally left blank

2.03.4(7)

- 26 Janet Pagone  
39659 Lund Road  
Paonia, CO 81428-6443
- 27 David Kuntz Land & Livestock  
28053 Buffalo Rd  
Hotchkiss, CO 81419-3700
- 28 Harris Orion Investment, LLC  
PO Box 940  
Paonia, CO 81428-0940
- 29 Kevin M Keeling Revocable Trust  
P.O. Box 326  
Monet, MO 65708-0326
- 30 George, John H  
16118 Farmers Mine Road  
Paonia, CO 81428-7103
- 31 Wesley Morgan  
PO Box 281  
Paonia, CO 81428-0281

Coal - Refer to Map 02 - Coal Ownership, Coal ownership listing is restricted to coal bearing zone north of the Rollins Sandstone outcrop

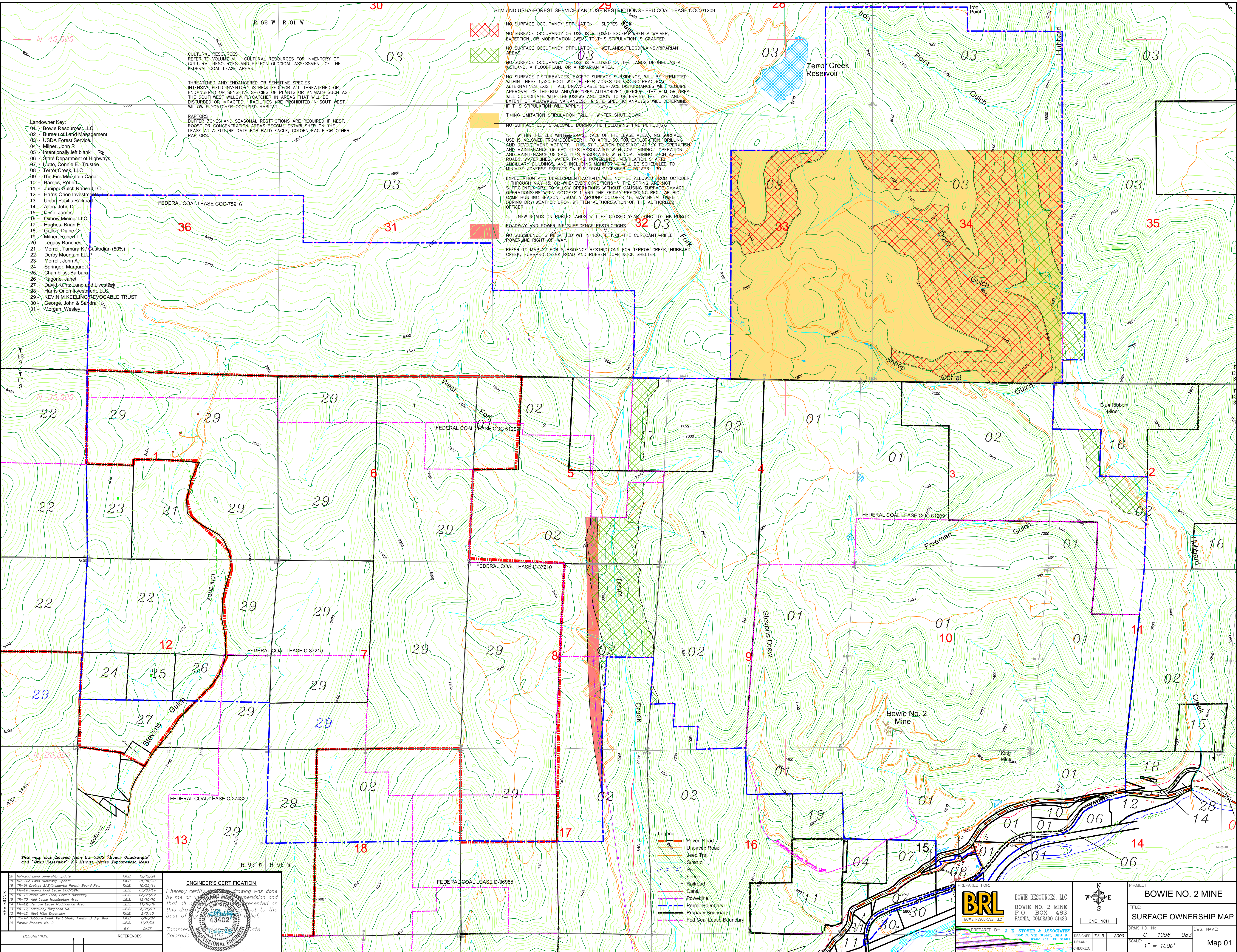
- 01 Bowie Resources, LLC  
P.O. Box 483  
Paonia, CO 81428
- 02 Bureau of Land Management  
Montrose District Office  
2505 So. Townsend Avenue  
Montrose, CO 81401
- 03 Milner, Robert L.  
42549 R25 RD  
Paonia, CO 81428
- 04 Oxbow Mining, Inc.  
7901 Southpark Plaza, #202  
Littleton, CO 80120

#### 2.05.4 Reclamation Plan

- (1) The areas disturbed by the mine facilities will be returned to a rangeland and wildlife habitat land use. The loadout will be returned to a cropland and pastureland land use. This will be accomplished by restoring the area to the approximate original contour. Surface areas will be covered with topsoil and seeded with the approved seed mix.
- (2)(a) Reclamation work will be initiated when the mine reserves are depleted or when the applicant deems the mine to no longer be an economically viable operation. Final reclamation of the site will take two construction seasons. The first phase of reclamation is the removal of buildings and structures from the site. This phase will occur during year one of the reclamation schedule. The second phase of reclamation will be recontouring the area to approximate original contours, placing topsoil on the regraded area and seeding the area with the approved seed mix. This second phase will take approximately six months and will occur during year two of the reclamation schedule. At the time of this writing (12/2024), the Operator is reclaiming gob pile #2 which is interim reclamation and not part of the final reclamation timeline. In addition, the top of the gob pile #2 will remain un-reclaimed indefinitely as it may be used at a future date should the mine resume active mining operations.
- (2)(b) A detailed estimate of the cost of reclamation of the proposed mine and mine facilities is presented in Section 3.05 Performance Bond Requirements.
- (2)(c) The mine facilities area, haul road and utility corridor were designed using a proximate balanced cut and fill technique. To reclaim the areas to approximate original contour, the fill placed on the outcrops must be returned to the cut slopes. The Postmining Topography Map No. 18 is presented in Volume II along with the Postmining and Premining Cross Sections Map No. 19.

Excavation of the B-Seam portal during 2003 produced an excess material stockpile of approximately 106,000 cubic yards. In order to expand an adjacent material storage area, the Operator used 14,000 cubic yards of this material as cover for the gob piles #2 and #4 (TR-79 & TR-83). The 14,000 cubic yard deficit of fill material for the B-Seam portals at final reclamation means the reclaimed ground surface will be about 1.9 feet lower than the original ground surface over the 4.5 acre disturbed area.

Large rocks and rock piles will be randomly placed throughout the reclaimed areas to provide small wildlife habitat.



- Landowner Key:
- 01 - Bowie Resources, LLC
  - 02 - Bureau of Land Management
  - 03 - USDA Forest Service
  - 04 - Miner, John R
  - 05 - Intentionally left blank
  - 06 - State Department of Highways
  - 07 - Hutto, Connie E., Trustee
  - 08 - Terror Creek, LLC
  - 09 - The Fire Mountain Canal
  - 10 - Barnes, Robert
  - 11 - Juniper Gulch Ranch, LLC
  - 12 - Harris Orion Investments, LLC
  - 13 - Union Pacific Railroad
  - 14 - Allen, John D.
  - 15 - Cliné, James
  - 16 - Osborn Mining, LLC
  - 17 - Hughes, Brian E.
  - 18 - Gallo, Diane C.
  - 19 - Miner, Robert L.
  - 20 - Legacy Ranches
  - 21 - Morrell, Tamara K / Custodian (50%)
  - 22 - Derby Mountain LLLP
  - 23 - Morrell, John A.
  - 24 - Springer, Margaret L.
  - 25 - Chambliss, Barbara
  - 26 - Ragone, Janet
  - 27 - David Kuntz Land and Livestock
  - 28 - Harris Orion Investment, LLC
  - 29 - KEVIN M KEELING REVOCABLE TRUST
  - 30 - George, John & Sandra
  - 31 - Morgan, Wesley

CULTURAL RESOURCES  
REFER TO VOLUME IV - CULTURAL RESOURCES FOR INVENTORY OF CULTURAL RESOURCES AND PALEONTOLOGICAL ASSESSMENT OF THE FEDERAL COAL LEASE AREAS.

THREATENED AND ENDANGERED OR SENSITIVE SPECIES  
INTENSIVE FIELD INVENTORY IS REQUIRED FOR ALL THREATENED OR ENDANGERED OR SENSITIVE SPECIES OF PLANTS OR ANIMALS SUCH AS THE SOUTHWEST WILLOW FLYCATCHER IN AREAS THAT WILL BE DISTURBED OR IMPACTED. FACILITIES ARE PROHIBITED IN SOUTHWEST WILLOW FLYCATCHER OCCUPIED HABITAT.

RAPTOR'S  
BUFFER ZONES AND SEASONAL RESTRICTIONS ARE REQUIRED IF NEST, ROOST OR CONCENTRATION AREAS BECOME ESTABLISHED ON THE LEASE AT A FUTURE DATE FOR BALD EAGLE, GOLDEN EAGLE OR OTHER RAPTOR'S.

BLM AND USDA-FOREST SERVICE LAND USE RESTRICTIONS - FED COAL LEASE COC 61209

NO SURFACE OCCUPANCY STIPULATION - SLOPES  $\geq 60\%$

NO SURFACE OCCUPANCY OR USE IS ALLOWED EXCEPT WHEN A WAIVER, EXCEPTION, OR MODIFICATION (WEM) TO THIS STIPULATION IS GRANTED.

NO SURFACE OCCUPANCY STIPULATION - WETLANDS/FLOODPLAINS/RIPARIAN AREAS

NO SURFACE OCCUPANCY OR USE IS ALLOWED ON THE LANDS DEFINED AS A WETLAND, A FLOODPLAIN, OR A RIPARIAN AREA.

NO SURFACE DISTURBANCES, EXCEPT SURFACE SUBSIDENCE, WILL BE PERMITTED WITHIN THESE 1,320 FOOT WIDE BUFFER ZONES UNLESS NO PRACTICAL ALTERNATIVES EXIST. ALL UNAVOIDABLE SURFACE DISTURBANCES WILL REQUIRE APPROVAL OF THE BLM AND/OR USFS AUTHORIZED OFFICER. THE BLM OR USFS WILL COORDINATE WITH THE USFWS AND ODOW TO DETERMINE THE TYPE AND EXTENT OF ALLOWABLE VARIANCES. A SITE SPECIFIC ANALYSIS WILL DETERMINE IF THIS STIPULATION WILL APPLY.

TIMING LIMITATION STIPULATION FALL - WINTER SHUT DOWN

NO SURFACE USE IS ALLOWED DURING THE FOLLOWING TIME PERIOD(S):

1. WITHIN THE ELK WINTER RANGE (ALL OF THE LEASE AREA), NO SURFACE USE IS ALLOWED FROM DECEMBER 1 TO APRIL 30 FOR EXPLORATION, DRILLING AND DEVELOPMENT ACTIVITY. THIS STIPULATION DOES NOT APPLY TO OPERATION AND MAINTENANCE OF FACILITIES ASSOCIATED WITH COAL MINING, OPERATION AND MAINTENANCE OF FACILITIES ASSOCIATED WITH COAL MINING SUCH AS ROADS, WATERLINES, WATER TANKS, POWERLINES, VENTILATION SHAFTS, ANCILLARY BUILDINGS, AND INCLUDING MONITORING WILL BE SCHEDULED TO MINIMIZE ADVERSE EFFECTS ON ELK FROM DECEMBER 1 TO APRIL 30.

EXPLORATION AND DEVELOPMENT ACTIVITY WILL NOT BE ALLOWED FROM OCTOBER 1 THROUGH MAY 15, OR WHENEVER CONDITIONS IN THE SPRING ARE NOT SUFFICIENTLY DRY TO ALLOW OPERATIONS WITHOUT CAUSING SURFACE DAMAGE. OPERATIONS BETWEEN OCTOBER 1 AND THE FRIDAY PRECEDING REGULAR BIG GAME HUNTING SEASON, USUALLY AROUND OCTOBER 19, MAY BE ALLOWED DURING DRY WEATHER UPON WRITTEN AUTHORIZATION OF THE AUTHORIZED OFFICER.

2. NEW ROADS ON PUBLIC LANDS WILL BE CLOSED YEAR LONG TO THE PUBLIC.

ROADWAY AND POWERLINE SUBSIDENCE RESTRICTIONS

NO SUBSIDENCE IS PERMITTED WITHIN 100 FEET OF THE CURRENTLY-RIFLE POWERLINE RIGHT-OF-WAY.

REFER TO MAP 27 FOR SUBSIDENCE RESTRICTIONS FOR TERROR CREEK, HUBBARD CREEK, HUBBARD CREEK ROAD AND RUEBEN DOVE ROCK SHELTER.

- Legend:
- Paved Road
  - Unpaved Road
  - Jeep Trail
  - Siream
  - River
  - Fence
  - Railroad
  - Canal
  - Powerline
  - Remit Boundary
  - Property Boundary
  - Fed Coal Lease Boundary

REVISED	DESCRIPTION	DATE
20	MR-208 Land ownership update	12/12/24
19	MR-203 Land ownership update	12/12/24
18	MR-91 Bridge S&I/Incidental Permit Bound Rev.	10/22/24
17	MR-14 Federal Coal Lease COC 75916	03/03/24
16	MR-13 North Mine Plan Permit Boundary	05/20/23
15	MR-10 Add Lease Modification Area	12/10/20
14	MR-12 Remove Lease Modification Area	11/10/20
13	MR-12 Add Lease Modification Area	5/24/20
12	MR-12 Add Lease Modification Area	2/24/20
11	MR-12 Add Lease Modification Area	11/10/20
10	MR-12 Add Lease Modification Area	11/10/20

ENGINEER'S CERTIFICATION

I hereby certify that this drawing was done by me or under my direct supervision and that all data presented on this drawing is true and correct to the best of my knowledge and belief.

Tamara K. Morgan, Date 12/12/24, Professional Engineer No. 43402, Colorado

PREPARED FOR: BOWIE RESOURCES, LLC  
BOWIE NO. 2 MINE  
P.O. BOX 483  
PAONIA, COLORADO 81428

PREPARED BY: J. E. STOVER & ASSOCIATES  
2002 N. 7th Street, Unit 5  
Grand Jct., CO 81501

DESIGNED: T.K.B. 2009  
DRAWN: T.K.B.  
CHECKED: T.K.B.

PROJECT: BOWIE NO. 2 MINE  
TITLE: SURFACE OWNERSHIP MAP  
DWG. NO.: C - 1996 - 083  
SCALE: 1" = 1000'  
Map 01