

DMC  
GRM

# STATE OF COLORADO

## DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

1313 Sherman St., Room 215

Denver, Colorado 80203

Phone: (303) 866-3567

FAX: (303) 832-8106

RECEIVED

AUG 21 2015

DIVISION OF RECLAMATION  
MINING AND SAFETY



P-2015-017

### NOTICE OF INTENT TO CONDUCT EXPLORATION OPERATIONS

This form is for all construction material minerals.

If you plan to conduct exploration on any lands in Colorado, then you must provide all information described in this form. "Exploration" is defined in Rule 1.1(13) of the Construction Material Rules and Regulations and is discussed in greater detail in the "Exploration Information" form. Each of these can be obtained from the office of the Division of Reclamation, Mining and Safety (DRMS). If you plan to conduct exploration on Bureau of Land Management (BLM) land, you should also include the information on pages 5 and 6 of this form.

All information provided the Mined Land Reclamation Board (MLRB) in this Notice of Intent will be protected as confidential information by the Board and not be a matter of public record in the absence of a written release from the Operator or upon a finding by the Board that reclamation is satisfactory.

\* Information on this form which is not required by law, but which, if provided, will assist the Board in timely processing and release of financial warranty obligations.

1. DATE OF FILING OF THIS NOTICE OF INTENT: 08/06/2015
2. EXPLORER: PERSON MLRB SHOULD CONTACT:  
Name: Cathedral Mining Name: John Peterson  
Address: P.O. Box 10580 Address: P.O. Box 1138  
Leadville CO Leadville, CO  
80461 80461  
Phone: 972-529-8178 Phone: 928-530-5848

3. APPLICATION FEE: \$108.00

4. DESCRIPTION OF THE LANDS:

Site Name: Derry Mine  
Location: The land is located primarily within \*Section 4 and 5, Township 11 South  
Range 80 West, \* Prime Meridian, \*County Lake

NOTE: Supply longitude and latitude if lands have not been surveyed:

Lat: N 39 deg 7' 30.81" - Long: W 106 deg 20' 5.69"

\*Land Ownership: Private City of Aurora, and/or Public (specify agency) and Colorado State Board of Land Commissioners

Estimated acreage of land surface to be affected: 15 acres

Please attach a USGS 7.5 minute quad, or similar map of adequate scale, which locates the exploration site(s).

See Attached.

5. ESTIMATED DATES OF COMMENCEMENT AND COMPLETION:

Commencement: 5-10 days after Approval  
completion: 30 days to 60 days

6. \*MINERAL(S) AND/OR RESOURCE(S) BEING INVESTIGATED: Sand, gravel, gold, silver

7. TYPE OF OPERATION:

Describe the type of operations, which will be undertaken in conducting the exploration operations. Include equipment to be used, access and site construction requirements, type of disturbance (drill holes, trenching, shafts, etc.), anticipated relationship to surface and subsurface water (proximity to streams, penetration of ground water aquifers), sampling procedures (fluid, bulk, geophysical, etc.) and any other pertinent information (attach additional page, if needed).

See Attached

8. RECLAMATION MEASURES:

State the measures to be taken to reclaim any affected land, and/or permanently abandon any drill hole, consistent with the applicable requirements of Rule 3 and Rule 5 and any applicable regulations promulgated thereunder by the Board (attach additional page, if needed).

See Attached

9. The Board suggests that a photographic record of the pre-exploration and post-exploration conditions be kept by the explorer. These photos should be taken from the same location and by the same method to clearly show the pre-exploration condition of the land and the reclamation efforts. Upon completion of reclamation and request for bond or surety release, the Board shall consider the photos as evidence of adequate reclamation, and thus, be able to act more quickly on the request for release.\*

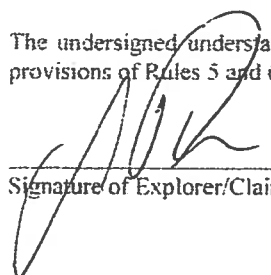
10. **TERMS AND CONDITIONS FOR EXPLORATION OPERATIONS:**

- A. Reclamation measures shall be fulfilled in a timely manner.
- B. The exploration operations described in this Notice will be conducted in such a manner as to minimize surface disturbances. In addition to the measures required in Rules 3.1 and 5.5.2, precautions to be taken include:
  - 1. Confinement of operations to areas near existing roads or trails, where practicable;
  - 2. Drilling shall be conducted in such a way as to prevent cuttings and fluids from directly entering any dry or flowing stream channel;
  - 3. Timely abandonment of drill holes upon completion as required by Rule 5.4;
- C. It is the explorer's obligation to conduct the exploration operations in such a manner as to comply with all applicable state and federal air and water quality laws and regulations.
- D. The exploration operations shall be conducted so as to minimize adverse effects upon wildlife.
- E. During the exploration operations, the operator will perform the necessary stabilization and reclamation work to prevent significant alteration to the geomorphic processes at the site.
- F. All exploration operations shall be in compliance with the Colorado Land Reclamation Act for the Extraction of Construction Materials, as amended, and any rules and regulations promulgated pursuant thereto.
- G. The Board shall determine (where there is a question) if an operation is exploration or mining.
- H. A financial warranty must be provided for the cost of reclamation of the disturbance described in this Notice. The explorer can either file a "One Site Exploration Financial Warranty" or a "Statewide Financial Warranty."

Note: A One-Site Exploration Financial Warranty should be filed in the amount of \$2,000.00 per acre of land to be disturbed or such other amount as determined by the office, based on the projected costs of reclamation. A statewide Financial Warranty must be posted in an amount determined by the Office.

The explorer will post a surety in the amount of \$ 30,000.

The undersigned understands, accepts and agrees to comply with the foregoing terms and conditions and with all of the provisions of Rules 5 and 6.

  
\_\_\_\_\_  
Signature of Explorer/Claimant

8/6/15  
\_\_\_\_\_  
Date



## **7. TYPE OF OPERATION**

Cathedral Mining plans to evaluate the site(s) by undertaking exploration operations which will include eleven (11) drill holes, bulk testing of existing dredge tailing piles, and off site testing of previously mined sand.

- a. Drill holes – The attached site plan shows eleven (11) proposed drill hole locations. The locations were selected based on previous geophysical testing and results from approximately 150 drill holes previously done on the site to minimize further site disturbance. All drill holes will be drilled to bedrock, but only test holes #1, #2, #7, #8, #9, and #11 are not on previously disturbed land. Groundwater was encountered on all but one of the previous test holes, however; no perched layers of water were encountered.
- b. Bulk testing will be done on the dredge tailing piles on test hole sites #3, #4, #5, #6. Selected material will be crushed, screened and processed for material content.
- c. Sand piles – Historical sand piles will be screened on-site then taken off-site for testing.
- d. Equipment – Core sample drill rig, track hoe(s), Front-end loader(s), dump truck(s), crusher(s), screening and processing equipment.



## **8. RECLAMATION MEASURES**

A maze of on-site roads and testing being done on previously dredged areas will significantly minimize site disturbance. Attached photos for all test hole areas show the current site conditions.

As required by Rule 3.1.5(6), Rule 5.4.2 and Rule 5.4.3, all drill holes will be plugged with a non-combustible material.

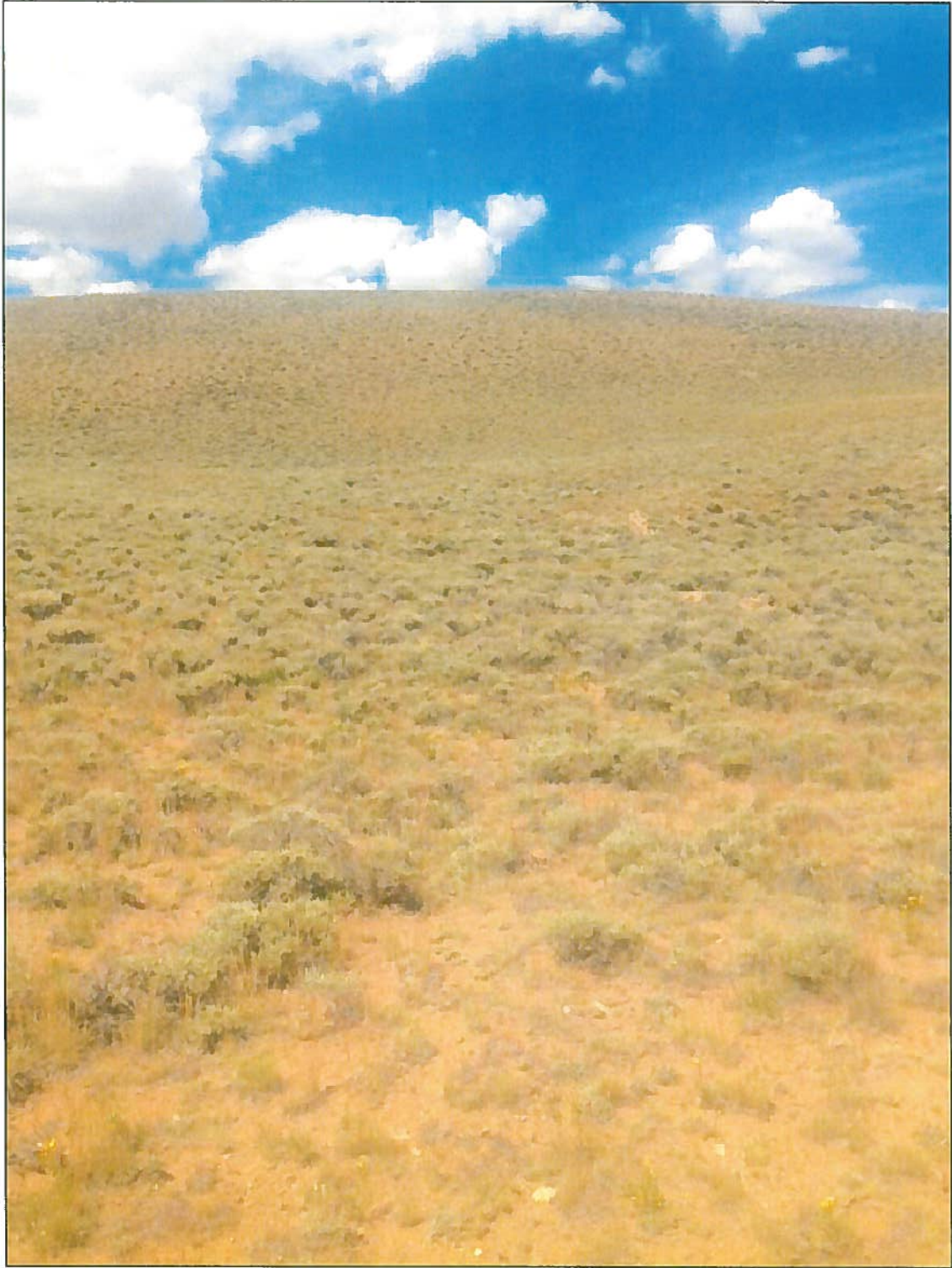
Cathedral Mining will rely on the Division of Reclamation, Mining & Safety's direction on the reclamation of the dredge and sand piles to be tested.



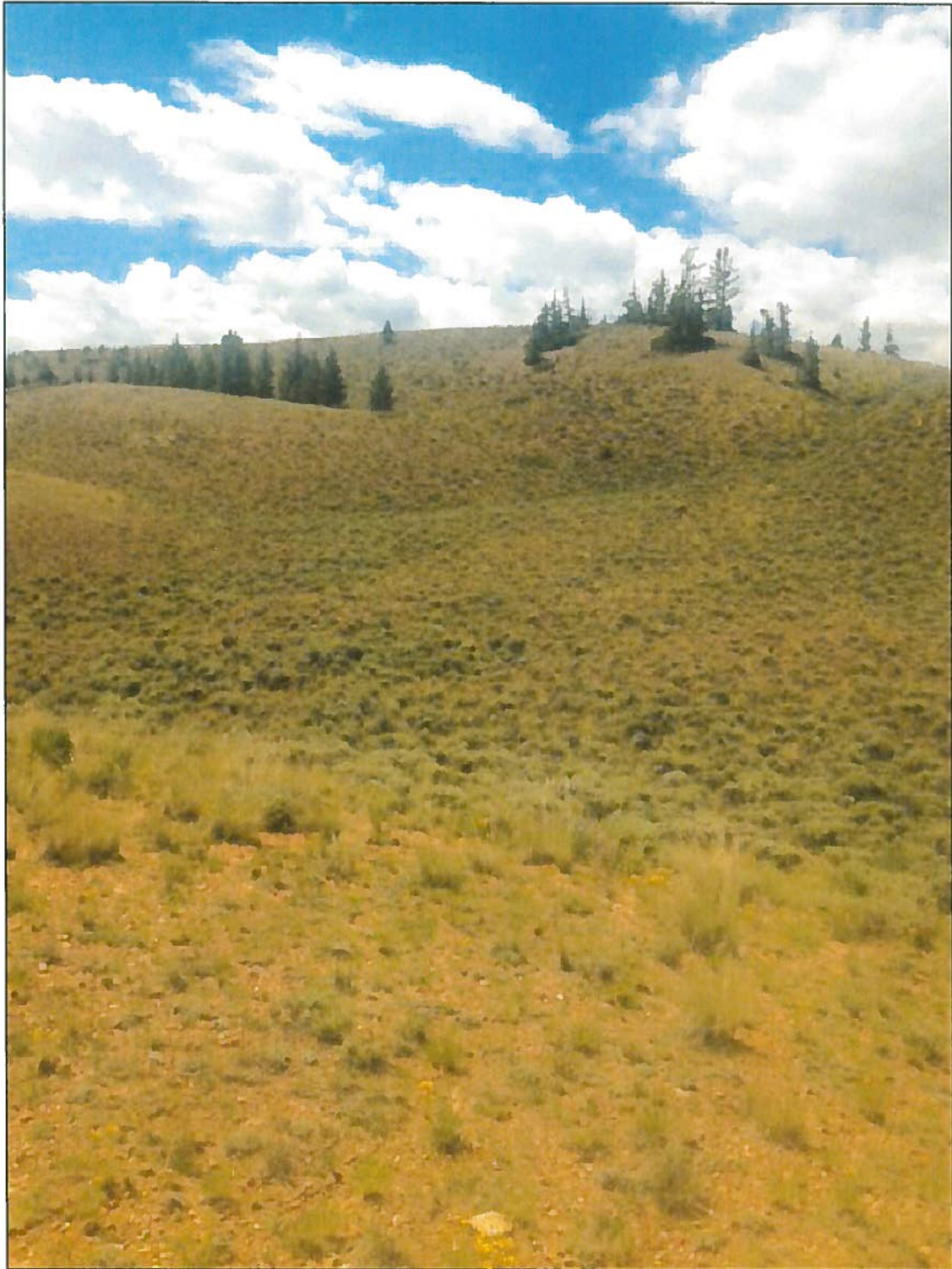




# TH #1



# TH #2

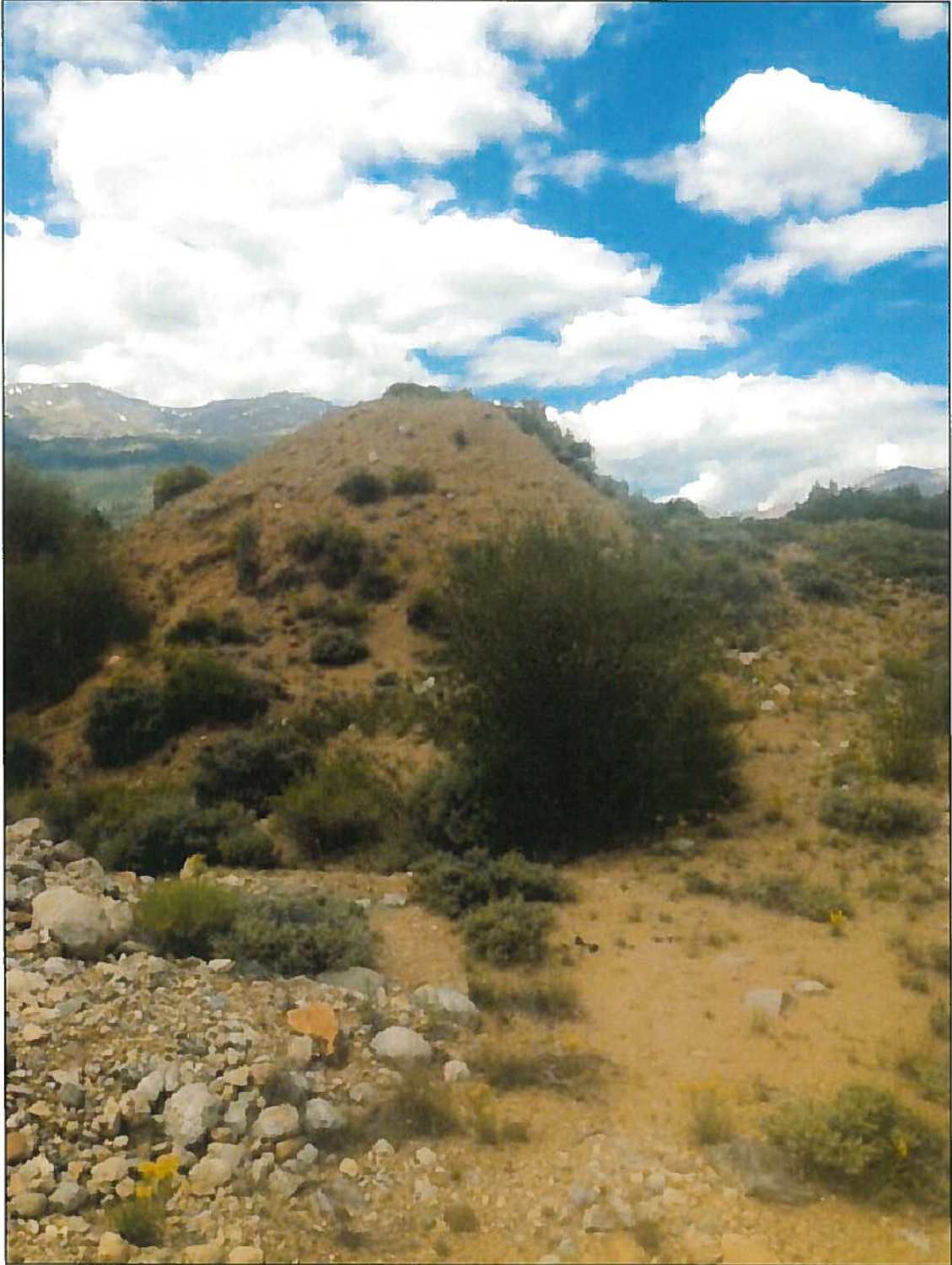




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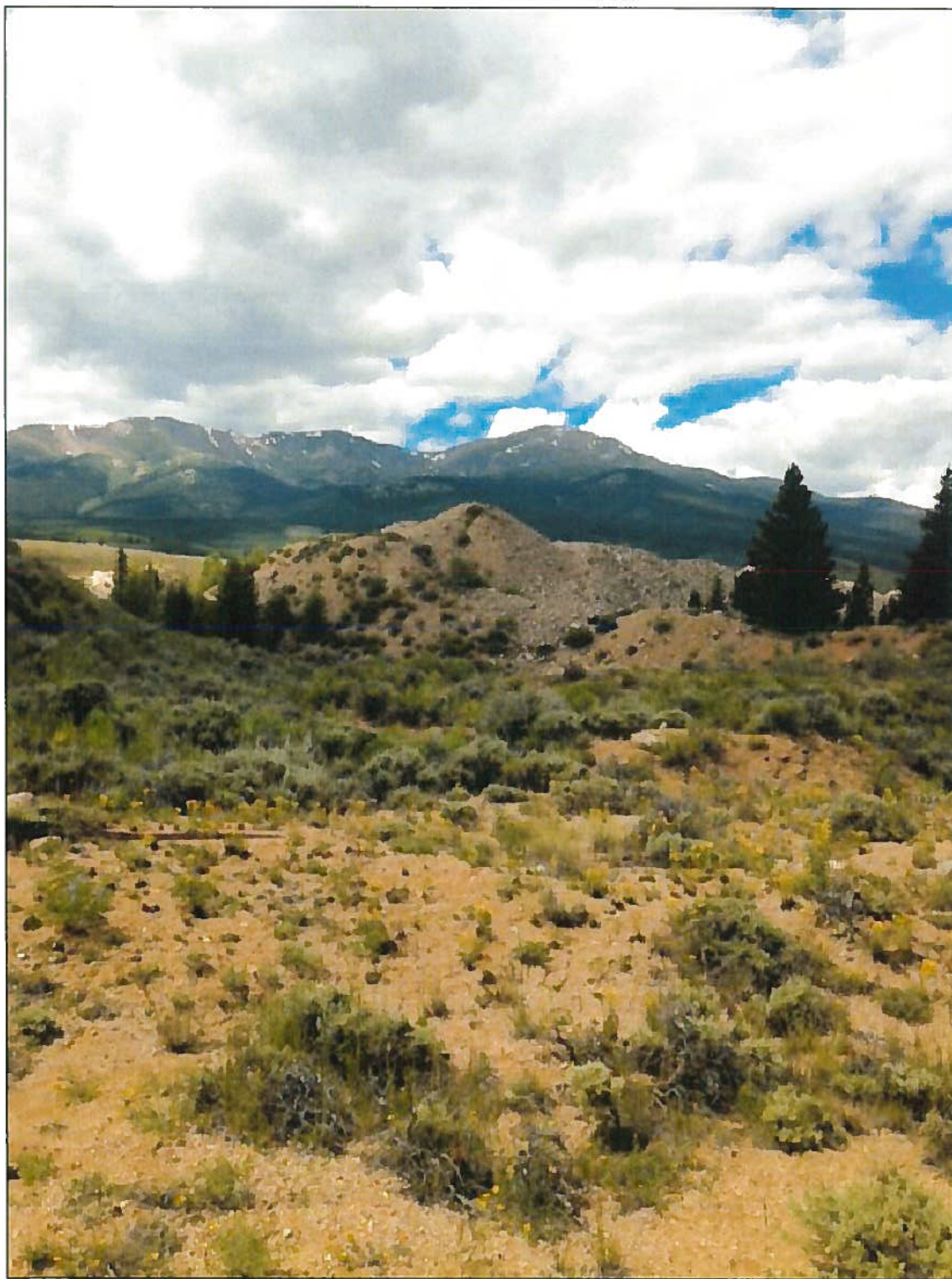


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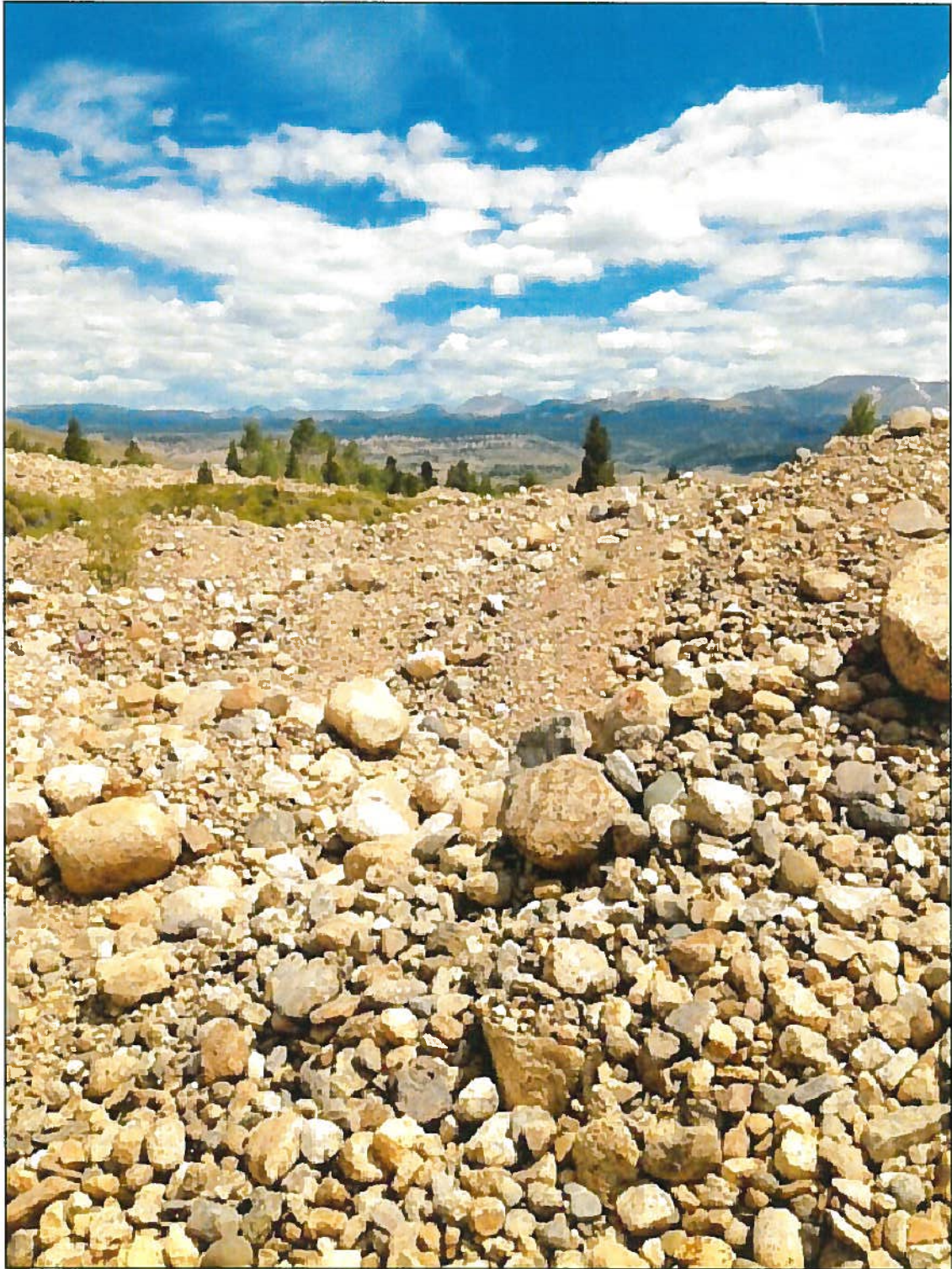


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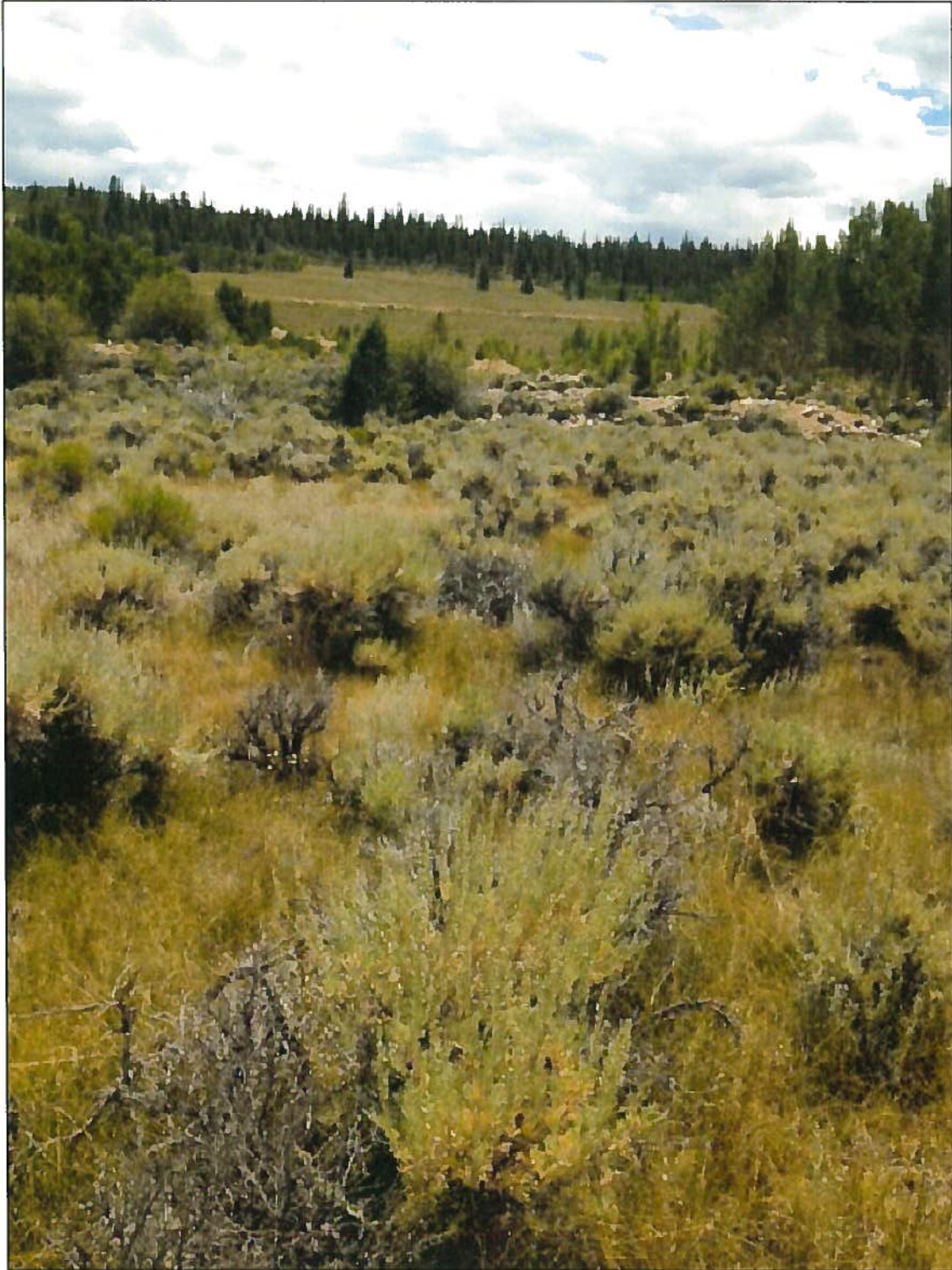


# TH #6





# TH #7



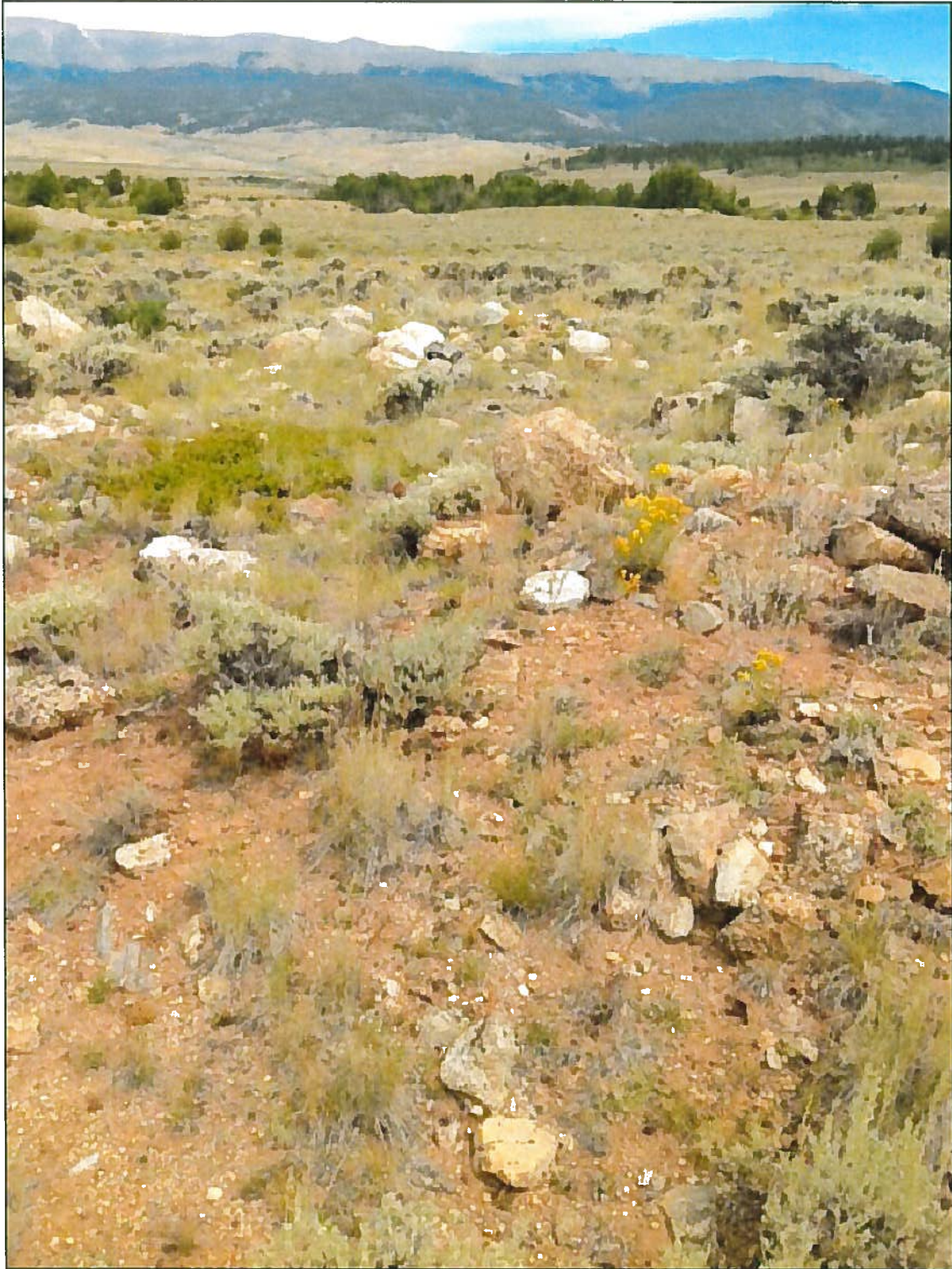


# TH #8



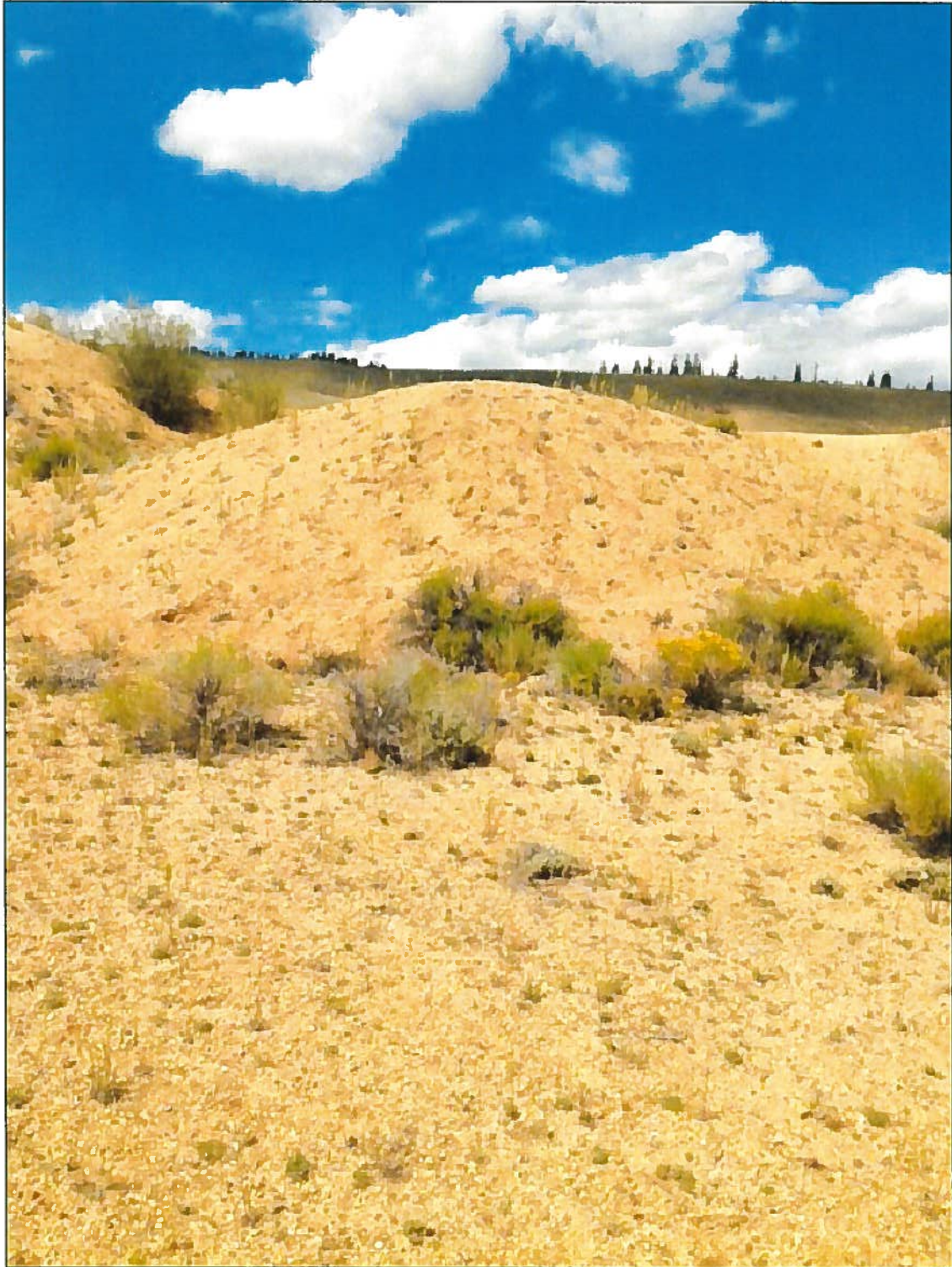


# TH #9



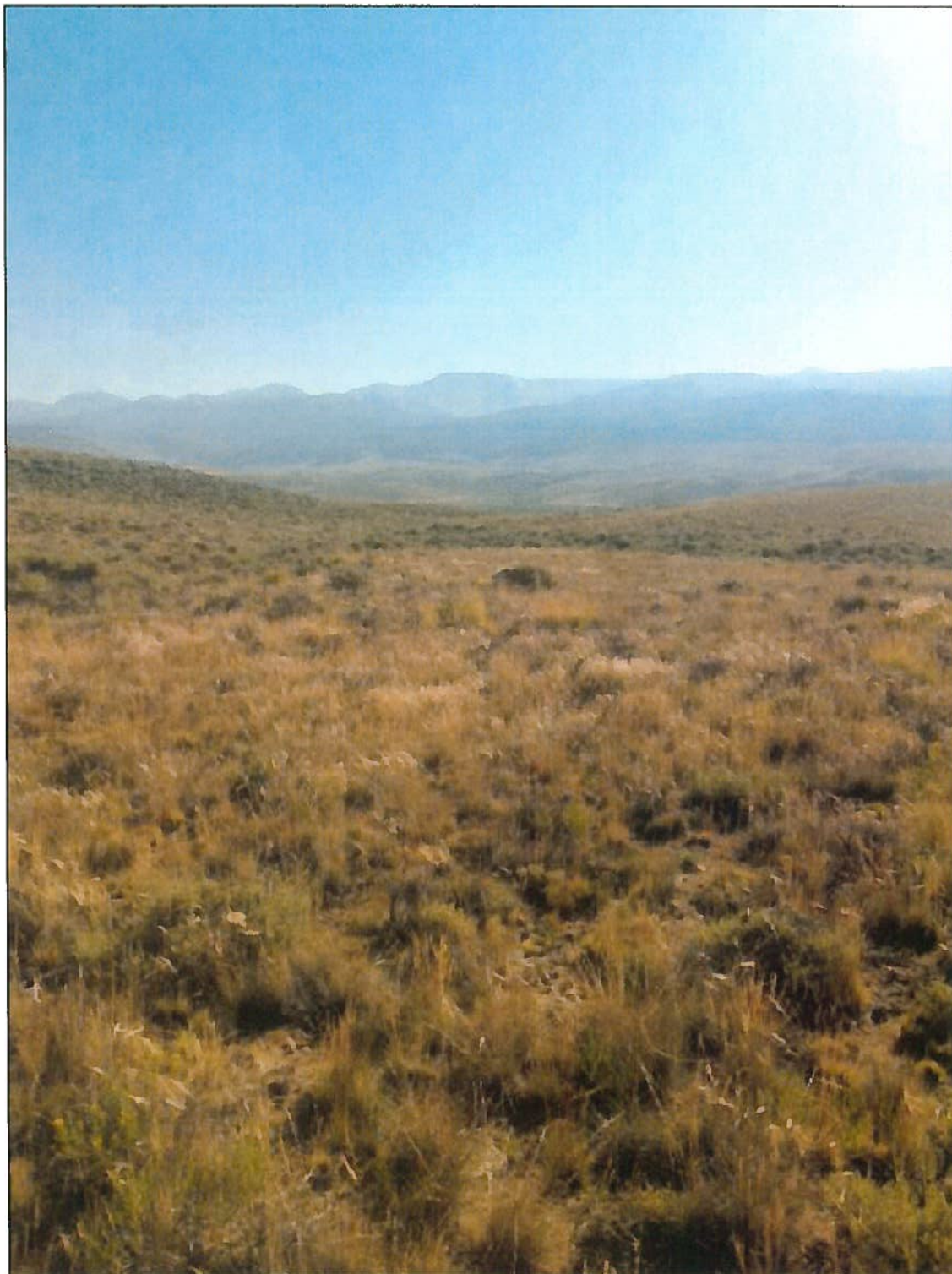


# TH #10





# TH #11





# FedEx

## Express

**earthsmart**  
FedEx carbon-neutral  
envelope shipping

RT 417 ST 3  
2 15:00  
A 2228 08:21

ORIGIN ID: EGER (719) 486-7373  
JOHN PETERSON  
B AND B SHIPPING AND MORE  
518 HARRISON AVE  
LEADVILLE, CO 80461  
UNITED STATES US

SHIP DATE 20AUG15  
ACTWTG: 0.80 LB  
CAD: 107037399/MSX12950  
BILL SENDER

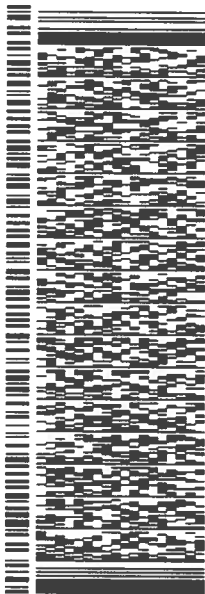
TO

**DIV OF RECLAMATION, MINING AND SAFT  
1313 SHERMAN ST, ROOM 215**

**DENVER CO 80203**

(303) 866-3567 REF:  
INV: 7871  
PO: 7871

DEPT:



**FedEx**  
Express



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DIVISION OF RECLAMATION  
MINING AND SAFETY



539J1/FECR/3108

**Division of Reclamation, Mining, and Safety**

**Fee Receipt for P2015017**

**Cathedral Mining**

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**Receipt #:** 20143

**Date:** 08/24/2015

**Permit:** P2015017

Payment Method	Revenue Code	Fee Description/Notes	Amount
909080134 MSF	4300-PNOI	Minerals Prospecting Application Fee/NOI P2015-017 paid by John Peterson	\$108.00
Receipt Total:			\$108.00