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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

APR 13 2015

DIVISION OF RECLAMATION
MINING AND SAFETY



FORM 2 (Public File)

NOTICE OF INTENT TO CONDUCT PROSPECTING OPERATIONS FOR HARD ROCK/METAL MINES

CHECK ONE:

☐

There is an NOI Number Already Assigned to this Operation

☒ P-2015-007

(Please reference the file number assigned to this operation)

☐ New NOI

☒ Modification to an Existing NOI

NOI#

P- - (Provide for Modifications to an existing NOI)

GENERAL OPERATION INFORMATION

Type or print clearly, in the space provided, ALL information described below.

I. GENERAL INFORMATION

1. **DATE NOI RECEIVED BY THE DIVISION:** _____ (office use only)

2. **PROJECT NAME:** Silent Hill

8. **PROSPECTOR:**

Name: Thomas G. Miller

Title: Owner

Company Name: N/A

Street: 5260 Garrison St. #12

P.O. Box: N/A

City: Arvada

State: CO

Zip Code: 80002

Telephone Number: 303-420-3606

Fax Number: 303-420-3606

PERSON MLRB SHOULD CONTACT:

Name: Thomas G. Miller

Title: Owner

Company Name: N/A

Street: 5260 Garrison St. #12

P.O. Box: N/A

City: Arvada

State: CO

Zip Code: 80002

Telephone Number: 303-420-3606

Fax Number: 303-420-3606

9. **APPLICATION FEE:** **\$86.** (NOIs and modifications require an **\$86** fee which must accompany this notice or it cannot be processed by the Division).

10. **LOCATION INFORMATION:**

County: Jefferson

PRINCIPAL MERIDIAN (check one) ☒ 6th (Colorado) ☐ 10th (New Mexico) ☐ (Ute)

SECTION (write number): S 32

TOWNSHIP (write number and check direction) T 9 North ☐ South ☒

RANGE (write number and check direction)

QUARTER SECTION (check one):

QUARTER/QUARTER SECTION (check one):

GENERAL DESCRIPTION: (the number of miles and direction to the nearest town and the approximate elevation):

ca. 8 road miles W Deckers, CO, elevation: 8,600

NOTE: Supply longitude and latitude or UTM coordinates if lands have not been surveyed or as supplemental information to this NOI. GPS measurements will be acceptable for this purpose: _____

11. **LAND OWNERSHIP**

Private ☐ Public Domain (BLM) ☐ National Forest (USFS) ☒
 State ☐ State Sovereign Lands ☐ Other (please describe): _____

If prospecting is located on BLM or USFS land the remaining section must be completed, otherwise go to section II Maps & Drawings

12. **PROSPECTING ON BUREAU OF LAND MANAGEMENT (BLM) LAND AND U.S. FOREST SERVICE (USFS) LAND**

The Division and the BLM/USFS have entered into cooperative agreements that eliminate the need for a prospector to post a financial warranty with each agency and allow them to coordinate the review of the NOI in order to minimize administrative processing time and effort.

G. **CLAIMANT:**Name: Thomas G. MillerAddress: 5260 Garrison St. #12
Arvada, CO 80002Telephone: 303-420-3606Fax Number: 303-420-3606H. **SITE/CLAIM INFORMATION:**

List names, serial numbers and provide legal description to nearest quarter-quarter section of all sites or claims (attach additional page, if necessary).

<u>NAME</u>	<u>SERIAL NUMBER</u>	<u>LEGAL DESCRIPTION</u>
Silent Hill	CMC279645	Beginning at corner #1 1,390 feet S and 2,280 feet W of the SW corner of section 28, township 9 S, range 71 W. Thence S 1,500 feet to corner #1, thence W 600 feet to corner #3, thence N 1,500 to corner #4, thence E 600 feet to corner #1 at the point of beginning. According to the USGS map Cheesman Lake Quad CO.

I. **LOCATION MAP:** Attach a USGS 7.5 minute quad, or similar map of adequate scale, which locates the prospecting site(s).

J. Are prospect sites (e.g., drill holes, trench locations, etc...) staked on the ground? Yes ☒ No ☐

K. Specify the Land Management Agency, Address and Telephone Number:

USFS South Platte Ranger District

19316 Goddard Ranch Ct.

Morrison, CO 80465

Phone: 303-275-5610

+

L. The prospector is required to document that the NOI has been sent to the BLM or the USFS. Processing of the NOI will not begin until the prospector has submitted evidence acceptable to the Division that the NOI was sent to the BLM or USFS. Check one:

- ☐ Evidence of notification is attached to this NOI for BLM Land
☒ Evidence of notification is attached to this NOI for USFS Land.
☐ Other proof of notice is attached to this NOI

II. MAPS & DRAWINGS

Accurate topographic base map showing the location of the proposed project must be submitted with this notice. The prospector may submit a U.S.G.S. 7.5 minute quadrangle, or similar map of adequate scale that:

3. identifies the proposed prospecting site(s) or activity areas involving surface disturbance. Activity areas include all drill holes, mud pits, excavations, trenches, adits, shafts, tunnels, rock dumps, stockpiles, impoundments and prospecting roads, and
4. includes sufficient detail to identify and locate known prospecting features and facilities that may be affected and those that are not anticipated to be affected. This includes the location of all drill holes, mud pits, excavations, trenches, adits, shafts, tunnels, rock dumps, stockpiles, impoundments and prospecting roads. Color photographs, adequately labeled (including date, orientation and location), of the prospecting site may be used to fulfill this requirement if included with the NOI submittal.

III. PROJECT DESCRIPTION

7. Mineral(s) and/or Resource(s) being Investigated: Quartz, feldspar, fluorite

8. Estimated dates of commencement and completion:

Commencement: June 1, 2015

Completion: Sept 15, 2016

9. Amount of material to be extracted, moved or proposed to be moved: max. 1,333 cu yd spoil

10. Identify the type or method of prospecting proposed and quantity (place an "X")

- | | | | |
|---------------------------------------|--|--|-----------------------------------|
| <input type="checkbox"/> Cuts | <input checked="" type="checkbox"/> Pits | <input type="checkbox"/> Trenches | <input type="checkbox"/> Declines |
| <input type="checkbox"/> Shafts | <input type="checkbox"/> Tunnels | <input type="checkbox"/> Adits | |
| <input type="checkbox"/> Air Drilling | <input type="checkbox"/> Fluid Drilling | <input type="checkbox"/> Drilling & Blasting | |

11. Describe proposed surface excavation or other land disturbance, including roads, pits, trenches, waste piles, drill pads and collar areas of underground workings, ponds, etc...

One excavated, temporary, prospect, open pit. One unimproved access road, using existing logging roads, approximately 5,000 feet long by 8 feet wide. One stockpile of top soil uphill of pit. One stockpile of spoil next to pit. Proposed open pit will be fenced for public safety.

12. **Proposed Disturbance** (approximate) Describe the proposed drilling to be conducted, including anticipated number of holes, diameter, depth, location, etc... Submit additional pages if necessary:

- A. Drill Pads: Quantity 0 Average Width 0 (ft) Average Length 0 (ft)
 B. Drill Holes: Quantity 0 Depth 0 (ft) Diameter 0 (in)
 C. Mud Pits: Quantity 0 Average Width 0 (ft) Average Length 0 (ft)
 Average Depth 0 (ft)

Describe proposed underground work, including reopening of old workings, advancement of adits or shafts, trenches, pits, cuts, rock dumps, or other types of disturbance, describe type, quantity and general dimensions:

One excavated, temporary, prospect, open pit, max. 60 feet by 30 feet lateral dimensions, max. depth 20 feet. One temporary stockpile of topsoil with silt fences installed to control erosion. One temporary stockpile of spoil with native rock dams, and silt fences to control erosion.

- F. Other Disturbances (please describe):

One unimproved access road using existing logging road, for approx. 5,000 feet to the site.

- G. Indicate Chemicals and Fuels used or stored on site. List type, quantity and method to store.

Diesel fuel used by one excavator, stored in fuel tank in excavator, refueled as needed. Equipment will be refueled by pick-up truck mounted fuel tanks, which leaves the site daily.

- F. New Road(s): Length 0 (ft) Width 0 (ft)
 Significantly Upgraded Road(s) Length 0 (ft) Width 0 (ft)

Are culverts or other crossings proposed? If so, please describe: _____

No. All roads or trails currently exist, as shown on aerial photographic map and topographic map in exhibits. No significant road improvements are planned or anticipated.

G. Total project area to be disturbed 1/2 acre (acres)

K. Describe the equipment to be used for the prospecting operations:

One John Deere 135 excavator or equivalent. One pick-up truck for refueling.

L. Describe and locate any structures to be constructed (i.e. stockpiles, ponds, impoundments):

No permanent structures. One temporary pile of topsoil. One temporary pile of spoil.

M. Describe anticipated relationship to surface water and groundwater (proximity to streams, penetration of ground water aquifers):

One year-round running stream is present as North Twin creek located 1,100 feet to the south of the proposed open pit. No penetration of ground water. Water table is below proposed open pit depth. Rock contains no sulfides, arsenides, telurides, etc. in mineralized zone. No water pollution is anticipated.

IV. OPERATION AND RECLAMATION MEASURES:

1. The Board suggests that a photographic record of the pre-prospecting and post-prospecting conditions be kept by the prospector. These photos should be taken from the same location and by the same method to clearly show the pre-prospecting condition of the land and the reclamation efforts. Upon completion of reclamation and request for bond or surety release, the Board may consider the photos as evidence of adequate reclamation, and thus, be able to act more quickly on the request for release.
2. Provide a description of the native vegetation of the area to be disturbed, including tree, shrub, and grass communities of the area. Color photographs, sufficient to adequately represent the ecology of the site and adequately labeled (including date, orientation and location), may be used in lieu of a written description. Based on the quality of the photographs, the Division may require additional detail.

The temporary proposed open pit area is in the Hayman burn area, completely burnt by wildfire. At least 80% of the vegetation in the general area was destroyed. The current vegetation is sparse grass, yucca plants, and some shrubs. There are large areas of bare ground, and granite outcrops. There are no live trees in the proposed disturbed area.

8. Describe the estimated topsoil depth and how topsoil will be salvaged, stockpiled and redistributed for the re-establishment of vegetation. Specify approximate topsoil redistribution depth:

Approx. 6 inches of topsoil which immediately transitions into decomposed granite. All topsoil will be removed and stockpiled uphill from the proposed open pit. Topsoil will be redistributed after the pit is backfilled, to the original depth. Silt fences will be installed to contain and control the stockpile.

9. Describe how drill holes will be plugged (refer to Rule 5.4 of the Rules for required abandonment procedures):

No drill holes.

10. Describe how portals, adits, shafts, ponds, excavations, or other disturbances will be reclaimed (refer to Rule 3 and Rule 5 for specific reclamation performance standards). You may wish to contact the Division for closure specifications.

The open pit will be backfilled and contoured to the original pre-excavation slope and contoured. Topsoil will be redistributed to match the existing depth. Topsoil will be prepared to accept the USFS approved seed mix.

11. Describe how roads will be reclaimed or returned to their pre-prospecting (or better) condition:

Existing road will be used with little new disturbance. The existing logging road will be reclaimed with water bars at regular intervals to control water run off and erosion.

12. List the seed mixture to be used in the re-establishment of vegetation. See the attached seed mixture calculation to obtain PLS/acre. For assistance with formulating seed mixtures and rates, contact the local NRCS if on private land, BLM/USFS if on public land or State Land Board if on state land.

A. Provide plant name and seeding rate

Plant Name	Seeding Rate (PLS/acre)
Festuca saximontana	35%(seeds/acre)
Agropyron trachycaulum	35%
Koeleria macrantha	20%
Artemisia frigida	10%
(common name below)	
Rocky mtn. fescue	
Slender wheatgrass	
Junegrass	
Fringed sage	

B. Describe the method for seed bed preparation, and application method for grass/forb seeding:

Seed mix distribution above tentative based on prior reclamation in that area. Will
be applied based on reclamation instruction by USFS.

V. TERMS AND CONDITIONS FOR PROSPECTING OPERATIONS:

3. Reclamation measures shall be fulfilled in a timely manner and completed within five (5) years of completion of prospecting activities.
4. The prospecting operations described in this Notice will be conducted in such a manner as to minimize surface disturbances. In addition to the measures required in Rule 5, precautions to be taken include:
 - A. Confinement of operations to areas near existing roads or trails, where practicable. Existing roads which are to remain as permanent roads after prospecting activities are completed shall be left in a condition equal to or better than the pre-prospecting condition;
 - B. Drilling shall be conducted in such a way as to prevent cuttings and fluids from directly entering any dry or flowing stream channel. Drill cuttings must be spread to a depth no greater than one-half (1/2) inch or buried in an approved disposal pit;

- C. Proper and timely abandonment of drill holes upon completion of drilling;
 - D. Reclamation of affected lands upon completion of operations or phases of an operation;;
 - E. Backfilling and revegetating any pits to blend in with the surrounding land surface;
 - F. Safeguarding mine entries, trenches and excavations from unauthorized entry at all times;
 - G. Disposal of any trash, scrap metal, wood, machinery, and buildings;
 - H. Control of noxious weeds within the area affected by the prospector
3. The prospecting operations shall be conducted in such a manner as to comply with all applicable local, state and federal laws and regulations including applicable state and federal air and water quality laws and regulations.
 4. The prospecting operations shall be conducted so as to minimize adverse effects upon wildlife to include covering of open drill holes until properly plugged.
 5. During the prospecting operations, the operator will perform the necessary stabilization and reclamation work to ensure those areas affected by prospecting activities are erosionally and geotechnically stable.
 6. All prospecting operations shall be in compliance with the Colorado Mined Land Reclamation Act, as amended (34-32-101 et seq. C.R.S.), and all rules and regulations currently in effect or promulgated pursuant thereto. See 2 CCR 407-1, Mined Land Reclamation Board Hardrock /Metal Mining Rules.

VI. ADDITIONAL TERMS AND CONDITIONS FOR PROSPECTING ON BLM/USFS LANDS

4. The prospector will supply a copy of this NOI to the appropriate BLM and/or USFS office.
5. The prospector authorizes the MLRB to discuss the information in this Notice of Intent with the BLM and/or USFS.
6. If on BLM land, the prospector will complete reclamation to the standards described in 43 CFR 3809.1-3 (d) and implement reasonable measures to prevent unnecessary or undue degradation of lands during operations.

VII. FINANCIAL WARRANTY

A financial warranty must be provided for the cost of reclamation of the disturbance described in this Notice. The prospector can either file a "One Site Prospecting Financial Warranty" or a "Statewide Financial Warranty." **The financial warranty must be submitted and approved by the Division prior to entry upon lands for the purpose of prospecting.**

An One-Site Prospecting Financial Warranty is usually filed by individuals or companies where prospecting activities are limited to a single area. It must be filed in the amount of \$2,000 per acre for land to be disturbed, or such other amount as determined by the Division, based on the projected costs of reclamation. A Statewide Financial Warranty is usually filed by companies with multiple prospecting sites. It must be filed in an amount equal to the estimated cost of reclamation per acre of affected land for all anticipated sites statewide. (You may increase the Statewide bond at any time in order to cover additional or expanded prospecting activities.)

VIII. SIGNATURE REQUIREMENT

Please place your initials on the line provided:

TGM I hereby verify that the foregoing information is true and accurate and commit to the reclamation of the aforementioned prospecting site as required by the Colorado Mined Reclamation Act and the rules as specified in the Hard Rock/Metal Mining Rules and Regulations and this NOI form.

TGM I have enclosed the required permit fee.

TGM I authorize the Division to contact and copy the BLM and/or USFS on any correspondence related to the prospecting operation, if the prospecting operation is located on federal public land.

TGM I have also enclosed the appropriate reclamation surety amount or will post an amount as determined by the office, based on the projected costs of reclamation.

TGM I understand that I am not authorized to create any surface disturbance until the surety amount is posted and approved in writing from the Division of Reclamation, Mining and Safety.

TGM I accept and agree to comply with the foregoing terms and conditions and with all of the provisions of Rules 3 and 5, and C.R.S. 34-32-101.

TGM I hereby certify that concurrent with submittal of this NOI to the Division, I have sent notice to the Boards of County Commissioners in the Counties where the proposed activities will occur. This notice also indicated that non-confidential information regarding the proposed activities will be available for review at the Division's website.

This form has been approved by the Mined Land Reclamation Board pursuant to section 34-32-113, C.R.S., of the Mined Land Reclamation Act. Any alteration or modification of this form shall result in voiding any NOI issued on the altered or modified form and subject the operator to cease and desist orders and civil penalties for operating without a NOI pursuant to section 34-32-123, C.R.S.

I, the undersigned, being the NOI holder or the person authorized to sign on behalf of the NOI holder, declare that the information given in this NOI form is true and correct.

SIGNATURES MUST BE IN BLUE INK

Signed and dated this 7th day of April, 2015,

Signature of NOI holder or person authorized to sign:

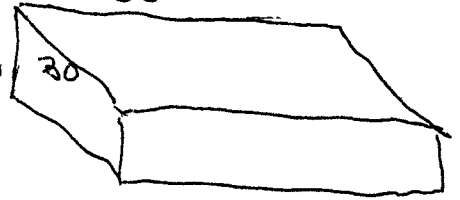
Thomas G. Miller

Name (typed or print) Thomas G. Miller

Title/Position: owner

Backfill
Open pit - $60' \times 30' \times 20'$
 $36,000 \text{ ft}^3 = 1,333 \text{ yd}^3$

Rough Estimate



Material = 1,333 LCY

Adjusted Unit production = $179.68 \text{ LCY/hr} = 7.42 \text{ hr}$

Cost - $\$0.504/\text{LCY} \times 1,333 \text{ LCY} = \671.83

Topsoil = $\$34.00$

Re seeding = $\$428.00$

Equipment delivery $\$799.00$

$\$1932.83$

total cost

Division of Reclamation, Mining, and Safety

Fee Receipt for P2015007

Thomas G. Miller

000000000

Receipt #: 19304

Date: 04/13/2015

Permit: P2015007

Payment Method	Revenue Code	Fee Description/Notes	Amount
2140 msr	4300-PNOI	Minerals Prospecting Application Fee/NOI P2015-007 paid by Thomas G. Miller	\$86.00
Receipt Total:			\$86.00