

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

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203**MINERAL PROSPECTING DRILL HOLE**
PERMANENT ABANDONMENT FINAL REPORT

Pursuant to the terms of 34-32-113(5.5)(d) and (e) of the Act and Rule 5.7 of the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for Hard Rock, Metal, and Designated Mining Operations, abandonment reports shall be submitted to the Division within 60 days of abandonment for any drill hole with artesian flow, or within 12 months of abandonment for any other drill hole.

Sierta Redcone Exploration Borehole WP-5

(PROSPECT SITE NAME)

P -2014-003

(PROSPECT NOI No.)

I. DRILL HOLE: Drill Hole I.D. No. WP-5For this Section I, please attach completed drill hole logs **OR** complete the following information:

2,036 ft bgs	~1 ft bgs	2,035 ft bgs
(Total Depth)	(Depth of Unconsolidated Material)	(Depth of Penetration into Bedrock)
Was water encountered:	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> if so, at what depth(s):	NA
Was water encountered in either Volcanic or Sedimentary Rock:	No <input checked="" type="checkbox"/> Yes <input type="checkbox"/>	
Date Drilled:	9/14/2019 thru 10/17/2019	Date Permanently Abandoned: 10/19/2019

II. OPERATOR (PROSPECTOR) :**DRILLER:**

Sierta Redcone, LLC/Robert M. Burger

(Name)

Godbe Drilling, LLC/Toby Wieninger

(Name)

1885 Redcoach Rd

(Address)

62802 Ohlm Rd

(Address)

Allison Park

(City)

PA

(State)

Montrose

(City)

CO

(State)

15101

(Zip)

412-818-5659

(Telephone No.)

81403

(Zip)

970-240-6106

(Telephone No.)



III. LOCATION:

The following information is required for ALL prospecting drill holes:

1/4 of the 1/4 of Section Township Range

Prime Meridian County

If the area has not been surveyed, supply the Longitude West and Latitude North, or attach a location map, preferably a USGS Quad.

The following additional information is required for artesian flowing holes:

<input type="text"/>	Feet	North	South from the	South	North section line
<input type="text"/>	feet	east	West from the	west	East section line

NOTE: In the case of closely spaced drill holes having similar geologic and hydrologic characteristics, the Operator may, with the approval of the Division, submit a single consolidated final report including the location of all drill holes and a description of abandonment technique. In such case, complete one abandonment final report form and attach a list of drill hole locations. If more space is needed to provide any of the information for this form, please attach separate sheets.

IV. Complete Either Subsection A or B:

PERMANENT ABANDONMENT (Check either box 1 or subsection 2 boxes as appropriate and provide the requested information)

☒ 1. Plugged dry hole, method of plugging:

Depth at which concrete plug set: feet below ground surface.

☐ 2. Sealed Hole (when groundwater is encountered):

☐ 2a. Neat Cement Grout, top to bottom: grout mixture used:

Intervals grouted (feet beneath ground surface, method and materials):

☐ 2b. Neat Cement Grout, interval grouting: grout mixture used:

Intervals grouted (feet beneath ground surface, method and materials):

☐ 2c. Abandonment Fluid Mixture (Such as Sodium Bentonite with Polymer) Brand Name:

Marsh Funnel viscosity of abandonment fluid: sec.

Type of surface plugging used:

Depth at which plug set: feet below ground surface,

Method:

- ☐ 2d. Other method used with approval of the Division of Reclamation, Mining and Safety; describe in detail method and materials used on a separate attached sheet.

B. CONVERSION TO A WATER WELL

State Engineer's Permit No.: (attach copy of permit)

County Where Well is Located:

Water Well Use:

V. METHOD OF RECLAIMING DRILL SITE SURFACE DISTURBANCE:

Reclamation of the site was not performed at the time of abandonment because weather made access to the site not possible to finish. Sierta anticipates that grading will be performed in summer 2020.

The Operator who conducted the prospecting drill operation states that the information set forth hereupon is true to the best of their knowledge.

Robert M (Name of Operator's Representative)

(Title)

Burger (Signature of Operator's Representative)

(Date)



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MINERAL PROSPECTING DRILL HOLE **PERMANENT ABANDONMENT FINAL REPORT**

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Sierta Redcone Exploration Borehole WP-6

(PROSPECT SITE NAME)

P -2014-003

(PROSPECT NOI No.)

I. DRILL HOLE: Drill Hole I.D. No. WP-6

For this Section I, please attach completed drill hole logs **OR** complete the following information:

1,117ft bgs	~1 ft bgs	1,116 ft bgs
(Total Depth)	(Depth of Unconsolidated Material)	(Depth of Penetration into Bedrock)

Was water encountered: No ☒ Yes ☐ if so, at what depth(s): NA

Was water encountered in either Volcanic or Sedimentary Rock: No ☒ Yes ☐

Date Drilled: 9/14/2019 thru 9/30/2019 Date Permanently Abandoned: 10/4/2019

II. OPERATOR (PROSPECTOR) :

DRILLER:

Sierta Redcone, LLC/Robert M. Burger

(Name)

Godbe Drilling, LLC/Toby Wieninger

(Name)

1885 Redcoach Rd

(Address)

62802 Ohlm Rd

(Address)

Allison Park

(City)

PA

(State)

Montrose

(City)

CO

(State)

15101

(Zip)

412-818-5659

(Telephone No.)

81403

(Zip)

970-240-6106

(Telephone No.)



III. LOCATION:

The following information is required for ALL prospecting drill holes:

1/4 of the 1/4 of Section Township Range

Prime Meridian County

If the area has not been surveyed, supply the Longitude West and Latitude North, or attach a location map, preferably a USGS Quad.

The following additional information is required for artesian flowing holes:

<input type="text"/>	Feet	North	South from the	South	North section line
<input type="text"/>	feet	east	West from the	west	East section line

NOTE: In the case of closely spaced drill holes having similar geologic and hydrologic characteristics, the Operator may, with the approval of the Division, submit a single consolidated final report including the location of all drill holes and a description of abandonment technique. In such case, complete one abandonment final report form and attach a list of drill hole locations. If more space is needed to provide any of the information for this form, please attach separate sheets.

IV. Complete Either Subsection A or B:

PERMANENT ABANDONMENT (Check either box 1 or subsection 2 boxes as appropriate and provide the requested information)

☒ 1. Plugged dry hole, method of plugging:

Depth at which concrete plug set: feet below ground surface.

☐ 2. Sealed Hole (when groundwater is encountered):

☐ 2a. Neat Cement Grout, top to bottom: grout mixture used:

Intervals grouted (feet beneath ground surface, method and materials):

☐ 2b. Neat Cement Grout, interval grouting: grout mixture used:

Intervals grouted (feet beneath ground surface, method and materials):

☐ 2c. Abandonment Fluid Mixture (Such as Sodium Bentonite with Polymer) Brand Name:

Marsh Funnel viscosity of abandonment fluid: sec.

Type of surface plugging used:

Depth at which plug set: feet below ground surface,

Method:

- ☐ 2d. Other method used with approval of the Division of Reclamation, Mining and Safety; describe in detail method and materials used on a separate attached sheet.

B. CONVERSION TO A WATER WELL

State Engineer's Permit No.: (attach copy of permit)

County Where Well is Located:

Water Well Use:

V. METHOD OF RECLAIMING DRILL SITE SURFACE DISTURBANCE:

Reclamation of the site was not performed at the time of abandonment because weather made access to the site not possible to finish. Sierta anticipates that reclamation will be completed in summer 2020.

The Operator who conducted the prospecting drill operation states that the information set forth hereupon is true to the best of their knowledge.

(Name of Operator's Representative)

(Title)

(Signature of Operator's Representative)

Digitally signed by Robert M Burger

DN: cn=Robert M Burger, o=Sierta Redcone, LLC, ou=emailer.burger@verizon.net, c=US

(Date)



NOI 2014-003 borehole abandonment forms

Robert Burger <r.burger@verizon.net>

Fri, Apr 17, 2020 at 7:48 AM

To: "Russell - DNR, Elliott" <elliott.russell@state.co.us>

Elliott,

Here are the completed abandonment forms. Let me know if these are the correct forms and that they work for you.

Thanks,

Robert

Robert M. Burger, P.G.

Sierta Redcone, LLC

r.burger@verizon.net

412-818-5659

2 attachments



WP-5_MineralProspectingDrillHolePermAbandFinRpt signed.pdf
222K



WP-6_MineralProspectingDrillHolePermAbandFinRpt signed.pdf
222K



NOI 2014-003 borehole abandonment forms

Russell - DNR, Elliott <elliott.russell@state.co.us>
To: Robert Burger <r.burger@verizon.net>

Fri, Apr 17, 2020 at 11:16 AM

Robert,

I have reviewed the Drill Hole Abandonment Reports and everything looks good. I have discussed the bonding process with the Forest Service as well. You can now apply the bond amount associated with the plug and abandon task for WP-05 and WP-06 of MD-01 towards the forthcoming MD-02 drilling project expansion. Please let me know if you have any questions.

Thanks,

Elliott Russell
Environmental Protection Specialist
Minerals Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

P 303.866.3567 x8132 | F 303.832.8106 | C 303.903.4456
1313 Sherman Street, Room 215, Denver, CO 80203
Elliott.Russell@state.co.us | www.colorado.gov/pacific/drms

On Fri, Apr 17, 2020 at 7:53 AM Robert Burger <r.burger@verizon.net> wrote:
[Quoted text hidden]

November 18, 2019

Mr. Robert Burger
Sierta Redcone, LLC
1885 Red Coach Road
Allison Park, Pennsylvania 15101

Subject: WP-5 Borehole Abandonment Report
Redcone Exploration Project
Webster Pass
Summit County, Colorado
Wood Project Number 32820157

Dear Mr. Burger:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to present this borehole abandonment report to Sierta Redcone, LLC (Sierta). This report summarizes the WP-5 borehole abandonment activities conducted from October 17th through 19h, 2019 on Webster Pass, Summit County, Colorado (Site). This report was prepared in accordance with the Redcone 2019 Revised Plan of Operations for Mining Activities on National Forest System Lands signed on July 9, 2019 and ASTM International (ASTM) Standard Guide for Decommissioning of Groundwater Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environment Activities (ASTM D5299-18).

Background

The Redcone Exploration Project is located in Summit County, Colorado within the boundaries of the United States Forest Service (USFS) Pike and San Isabel National Forest. The project area is approximately five miles south of the town of Montezuma, Colorado along Handcart Gulch Road on Webster Pass. The location of Borehole WP-5 is shown on Figure 1. The proposed exploration program consists of coring two approximately 3,000-foot borehole using HQ, NQ and BQ directional wireline coring techniques for mineral exploration purposes. Authorization to conduct drilling operations were provided in the approved Notice of Intent to Conduct Prospecting Operations for Hard Rock/Metal Mines – Permit Number P2014003 (a copy is included in the attachments).

The following are the borehole specifications:

- Coring of Borehole WP-5 began on September 14, 2019 and completed on October 17, 2019
- Coordinates of Borehole WP-5 was 39°31'01.3"N, 105°49'29.3"W
- Direction of Borehole WP-5 was North 0°
- Inclination of Borehole WP-5 was 60°
- PQ coring (4.83" diameter rods) from 0-10 feet below ground surface (bgs)
- HQ coring (3.78" diameter rods) from 0-970 feet bgs



- NQ coring (3.03" diameter rods) from 0-2,036 feet bgs
- Total depth of borehole: 2,036 feet bgs
- Drilling Contractor: Godbe Drilling, LLC (Godbe) from Montrose, Colorado
- Drill Rig – Christensen CS1000 Track-mounted
- No material was left in place after drilling was completed

Rock cores were collected and sent offsite for analysis of mineral content.

Summary of Abandonment Activities

The following abandonment design criteria was requested by the USFS prior to any abandonment activities:

- Drill holes shall be plugged with cement or bentonite grout placed from the bottom of the drill hole to a depth of two feet below ground surface. Plugging of all drill holes shall be consistent with Section 5.4 of the Mineral Rules and Regulation (Colorado Mined Land Reclamation Board 2019). This method will ensure compliance with Colorado Mined Land Reclamation Act 34-32-113(5.5), and the Federal regulation at 36 CFR 228.8(b), (g), and 9H), and the ASTM International Standard Guide for Decommissioning of Groundwater Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environment Activities (ASTM D5299-99). A stamped plate indicating the hole number correlation to the Plan of Operations must be included on the abandoned well.

On October 17th through 19th, 2019, personnel from Wood was onsite to observe Godbe personnel during abandonment of Borehole WP-5. Robert Burger of Sierta and Toby Wieninger provided the borehole specifications prior to any abandonment activities.

The following steps were performed to abandon Borehole WP-5:

- Borehole volume was calculated at approximately 1,000 gallons
- NQ rods were removed from the borehole, and the HQ rods were used as tremie pipe to inject grout into borehole
- Plugging material was made in 250 gallons batches of 20% high-solids bentonite grout
- Each batch of grout was injected through the HQ rods
- After each batch of grout was injected down the borehole, approximately 400 feet of the HQ rods was removed
- Six batches (1,500 gallons) of grout was injected through the HQ rods and used to top off borehole to approximately ground surface after all the HQ pipe was removed
- A metal tag with "WP-5" was place on top of the grout seal.
- Rig was moved offsite after abandonment

Grading of the site was not performed at this time because of inclement weather. Sierta anticipates that grading will be performed in the spring of 2020.

A photographic log showing before and after abandonment, and material and equipment used to abandon the borehole is included in the attachments.



Please call Richard Weber at 303-630-0762 if you have any questions.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.



Richard Weber, CEM

Natural Resources Group Manager

Enclosures:

Figures

Attachment A

Attachment B

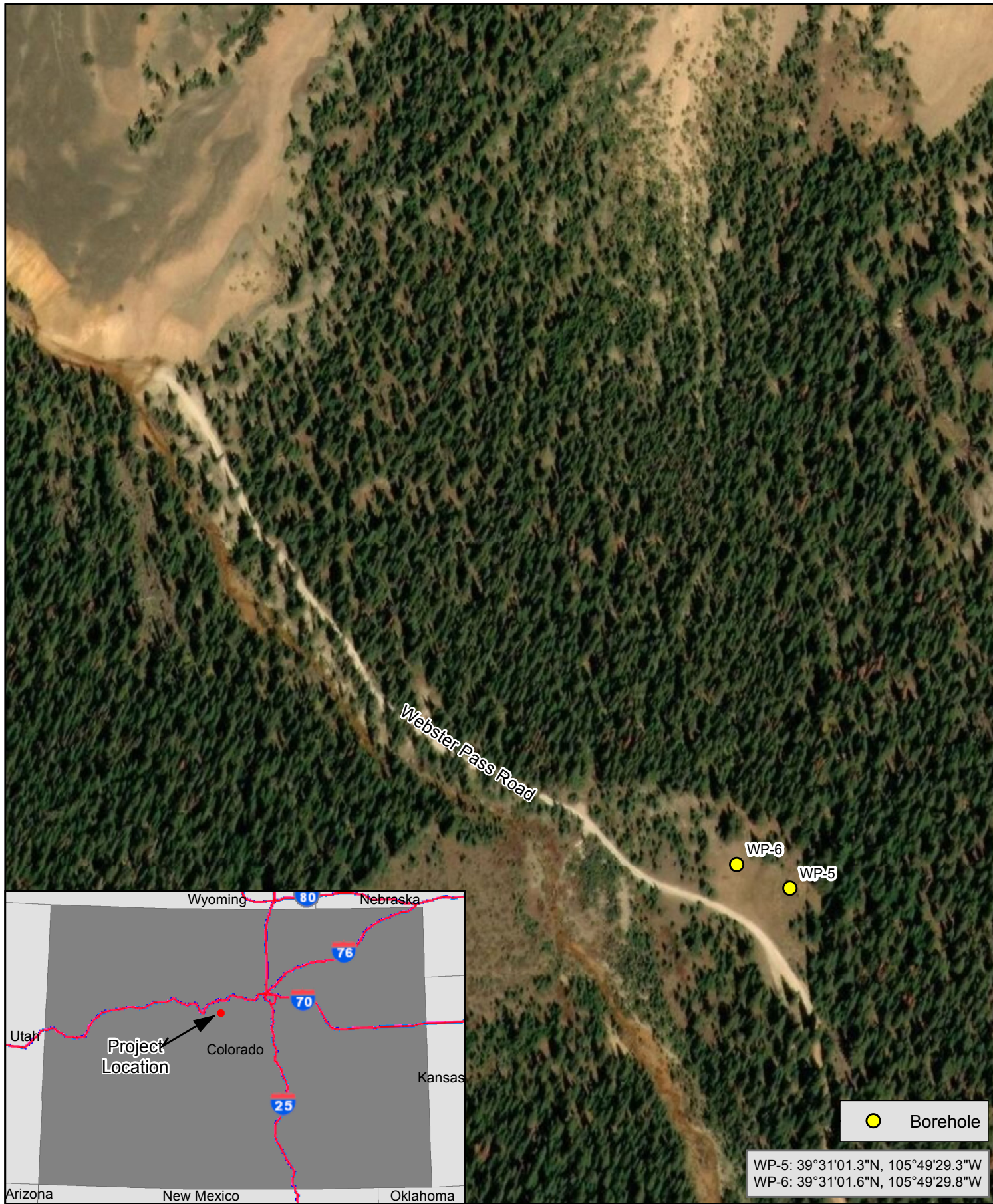




wood.

Figures





0 100 200 Feet			Redcone Project Sierta Redcone, LLC	FIGURE 1
Job No.: 32820157 PM: RW Date: 11/11/2019 Scale: 1:2,000	The map shown here has been created with all due and reasonable care and is strictly for use with Wood E&IS Project Number 32820157. This map has not been certified by a licensed land surveyor, and any third party use of this map comes without warranties of any kind. Wood E&IS assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.		Borehole Locations	wood.



*Attachment A: Notice of Intent to Conduct Prospecting Operations for Hard
Rock/Metal Miles – Permit Number P2014003*

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



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**
NOI # P-_____ - _____ (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:** _____

8. **PROSPECTOR:**

PERSON MLRB SHOULD CONTACT:

Name: _____

Name: _____

Title: _____

Title: _____

Company Name: _____

Company Name: _____

Street: _____

Street: _____

P.O. Box: _____

P.O. Box: _____

City: _____

City: _____

State: _____

State: _____

Zip Code: _____

Zip Code: _____

Telephone Number: _____

Telephone Number: _____

Fax Number: _____

Fax Number: _____

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: _____

PRINCIPAL MERIDAN (check one) _____ 6th (Colorado) _____ 10th (New Mexico) _____ (Ute)

SECTION (write number): _____ S _____

TOWNSHIP (write number and check direction) T _____ North _____ South _____

RANGE (write number and check direction) R_____East _____West _____

QUARTER SECTION (check one): _____NE _____NW _____SE _____SW

QUARTER/QUARTER SECTION (check one): _____NE _____NW _____SE _____SW

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

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: _____

Address: _____

Telephone: _____

Fax Number: _____

H. 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).

NAME

SERIAL NUMBER

LEGAL DESCRIPTION

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:

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:** _____

8. **Estimated dates of commencement and completion:**

Commencement: _____,

Completion: _____,

9. **Amount of material to be extracted, moved or proposed to be moved:** _____

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

_____ Cuts	_____ Pits	_____ Trenches
_____ Shafts	_____ Tunnels	_____ Adits _____ Declines
_____ Air Drilling	_____ Fluid Drilling	_____ 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...

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 _____ Average Width _____ (ft) Average Length _____ (ft)

B. Drill Holes: Quantity _____ Depth _____ (ft) Diameter _____ (in)

C. Mud Pits: Quantity _____ Average Width _____ (ft) Average Length _____ (ft)

Average Depth _____ (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:

F. Other Disturbances (please describe):

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

F. New Road(s): Length _____ (ft) Width _____ (ft)

Significantly Upgraded Road(s) Length _____ (ft) Width _____ (ft)

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

G. Total project area to be disturbed _____ (acres)

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

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

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

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.

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:

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

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.

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

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)

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

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 you initials on the line provided:

RMB

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.

RMB

I have enclosed the required permit fee.

RMB

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.

RMB

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.

RMB

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.

RMB

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.

RMB

I herby 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 23rd day of May, 2019

Signature of NOI holder or person authorized to sign:

Robert M. Burger

Name (typed or print) Robert M. Burger

Title/Position: President, Sierta Redcone, LLC



wood.

Attachment B: Photographic Log

PHOTOGRAPH LOG

Redcone WP-5 Borehole Abandonment



Wood Project: 32820157

Date of activities: October 17 through 19, 2019



1. Drill Site for boreholes WP-5 and WP-6



2. WP-6 borehole location with drill rig and HQ rod prior to abandonment

PHOTOGRAPH LOG

Redcone WP-5 Borehole Abandonment

wood.

Wood Project: 32820157

Date of activities: October 17 through 19, 2019



3. WP-6 borehole location after abandonment



4. Grout plugging material used to abandon WP-6 Borehole

PHOTOGRAPH LOG

Redcone WP-5 Borehole Abandonment

wood.

Wood Project: 32820157

Date of activities: October 17 through 19, 2019



5. Grout mixing tank



6. Grout injection head mounted on top of HQ rod

November 18, 2019

Mr. Robert Burger
Sierta Redcone, LLC
1885 Red Coach Road
Allison Park, Pennsylvania 15101

Subject: WP-6 Borehole Abandonment Report
Redcone Exploration Project
Webster Pass
Summit County, Colorado
Wood Project Number 32820157

Dear Mr. Burger:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to present this borehole abandonment report to Sierta Redcone, LLC (Sierta). This report summarizes the WP-6 borehole abandonment activities conducted from October 3rd and 4th, 2019 on Webster Pass, Summit County, Colorado (Site). This report was prepared in accordance with the Redcone 2019 Revised Plan of Operations for Mining Activities on National Forest System Lands signed on July 9, 2019 and ASTM International (ASTM) Standard Guide for Decommissioning of Groundwater Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environment Activities (ASTM D5299-18).

Background

The Redcone Exploration Project is located in Summit County, Colorado within the boundaries of the United States Forest Service (USFS) Pike and San Isabel National Forest. The project area is approximately five miles south of the town of Montezuma, Colorado along Handcart Gulch Road on Webster Pass. The location of Borehole WP-6 is shown on Figure 1. The proposed exploration program consists of coring two approximately 3,000-foot borehole using HQ, NQ and BQ directional wireline coring techniques for mineral exploration purposes. Authorization to conduct drilling operations were provided in the approved Notice of Intent to Conduct Prospecting Operations for Hard Rock/Metal Mines – Permit Number P2014003 (a copy is included in the attachments).

The following are the borehole specifications:

- Coring of Borehole WP-6 began on September 14, 2019 and completed on September 30, 2019
- Coordinates of Borehole WP-6 was 39°31'01.6", N 105°49'29.8"
- Direction of Borehole WP-6 was North 60° East
- Inclination of Borehole WP-6 was 50°
- PQ coring (4.83" diameter rods) from 0-10 feet below ground surface (bgs)
- HQ coring (3.78" diameter rods) from 0-1,100 feet bgs



- NQ coring (3.03" diameter rods) from 0-1,117 feet bgs
- Total depth of borehole: 1,117 feet bgs
- Drilling Contractor: Godbe Drilling, LLC (Godbe) from Montrose, Colorado
- Drill Rig – Christensen CS1000 Track-mounted
- Material left in place due to formation conditions – 110 feet of HQ rod from 990 to 1,100 feet bgs

Rock cores were collected and sent offsite for analysis of mineral content.

Summary of Abandonment Activities

The following abandonment design criteria was requested by the USFS prior to any abandonment activities:

- Drill holes shall be plugged with cement or bentonite grout placed from the bottom of the drill hole to a depth of two feet below ground surface. Plugging of all drill holes shall be consistent with Section 5.4 of the Mineral Rules and Regulation (Colorado Mined Land Reclamation Board 2019). This method will ensure compliance with Colorado Mined Land Reclamation Act 34-32-113(5.5), and the Federal regulation at 36 CFR 228.8(b), (g), and 9H), and the ASTM International Standard Guide for Decommissioning of Groundwater Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environment Activities (ASTM D5299-99). A stamped plate indicating the hole number correlation to the Plan of Operations must be included on the abandoned well.

On October 3rd and 4th, 2019, personnel from Wood was onsite to observe Godbe personnel during abandonment of Borehole WP-6. Robert Burger of Sierta and Toby Wieninger provided the borehole specifications prior to any abandonment activities.

The following steps were performed to abandon Borehole WP-6:

- Borehole volume was calculated at approximately 650 gallons
- NQ rods were removed from the borehole, and the HQ rods were used as tremie pipe to inject grout into borehole
- Plugging material was made in 250 gallons batches of 20% high-solids bentonite grout.
- Each batch of grout was injected through the HQ rods.
- After each batch of grout was injected down the borehole, approximately 400 feet of the HQ rods was removed.
- Three batches (750 gallons) of grout was injected through the HQ rods and used to top off borehole to approximately ground surface after all the HQ pipe was removed.
- A metal tag with "WP-6" was place on top of the grout seal.
- Rig was moved over to Borehole WP-5 location.

Grading of the site was not performed at this time because of inclement weather. Sierta anticipates that grading will be performed in the spring of 2020.

A photographic log showing before and after abandonment, and material and equipment used to abandon the borehole is included in the attachments.



Please call Richard Weber at 303-630-0762 if you have any questions.

Sincerely,

Wood Environment & Infrastructure Solutions, Inc.



Richard Weber, CEM

Natural Resources Group Manager

Enclosures:

Figures

Attachment A

Attachment B

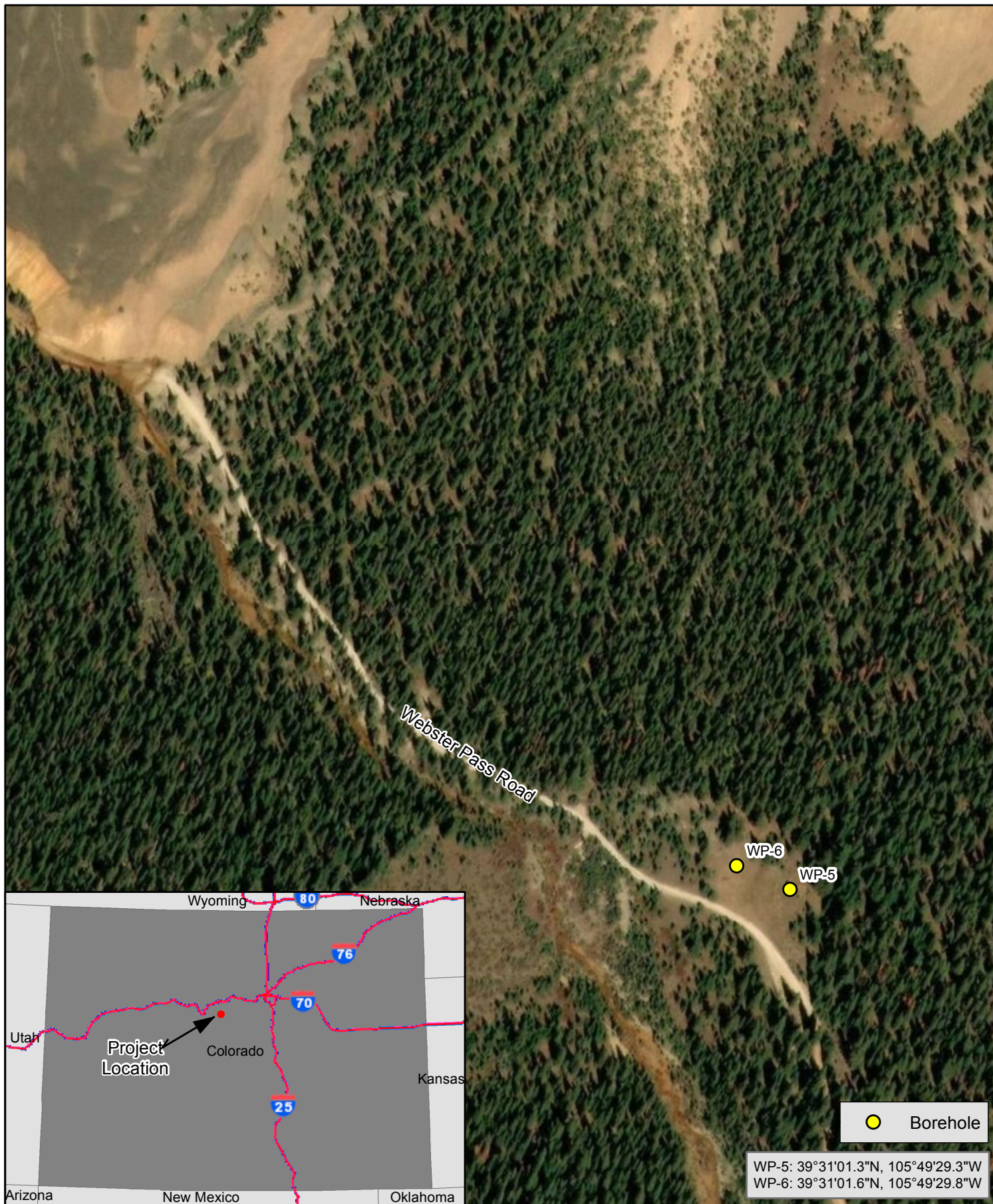




wood.

Figures





0 100 200 Feet			Redcone Project Sierta Redcone, LLC	FIGURE 1
Job No.: 32820157 PM: RW Date: 11/11/2019 Scale: 1:2,000	The map shown here has been created with all due and reasonable care and is strictly for use with Wood E&IS Project Number 32820157. This map has not been certified by a licensed land surveyor, and any third party use of this map comes without warranties of any kind. Wood E&IS assumes no liability, direct or indirect, whatsoever for any such third party or unintended use.		Borehole Locations	wood.



*Attachment A: Notice of Intent to Conduct Prospecting Operations for Hard
Rock/Metal Miles – Permit Number P2014003*

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



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**
NOI # P-_____ - _____ (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:** _____

8. **PROSPECTOR:**

PERSON MLRB SHOULD CONTACT:

Name: _____

Name: _____

Title: _____

Title: _____

Company Name: _____

Company Name: _____

Street: _____

Street: _____

P.O. Box: _____

P.O. Box: _____

City: _____

City: _____

State: _____

State: _____

Zip Code: _____

Zip Code: _____

Telephone Number: _____

Telephone Number: _____

Fax Number: _____

Fax Number: _____

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: _____

PRINCIPAL MERIDAN (check one) _____ 6th (Colorado) _____ 10th (New Mexico) _____ (Ute)

SECTION (write number): _____ S _____

TOWNSHIP (write number and check direction) T _____ North _____ South _____

RANGE (write number and check direction) R_____ East _____ West _____

QUARTER SECTION (check one): _____ NE _____ NW _____ SE _____ SW

QUARTER/QUARTER SECTION (check one): _____ NE _____ NW _____ SE _____ SW

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

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: _____

Address: _____

Telephone: _____

Fax Number: _____

H. 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).

NAME

SERIAL NUMBER

LEGAL DESCRIPTION

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:

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:** _____

8. **Estimated dates of commencement and completion:**

Commencement: _____,

Completion: _____,

9. **Amount of material to be extracted, moved or proposed to be moved:** _____

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

_____ Cuts	_____ Pits	_____ Trenches
_____ Shafts	_____ Tunnels	_____ Adits _____ Declines
_____ Air Drilling	_____ Fluid Drilling	_____ 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...

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 _____ Average Width _____ (ft) Average Length _____ (ft)

B. Drill Holes: Quantity _____ Depth _____ (ft) Diameter _____ (in)

C. Mud Pits: Quantity _____ Average Width _____ (ft) Average Length _____ (ft)

Average Depth _____ (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:

F. Other Disturbances (please describe):

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

F. New Road(s): Length _____ (ft) Width _____ (ft)

Significantly Upgraded Road(s) Length _____ (ft) Width _____ (ft)

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

G. Total project area to be disturbed _____ (acres)

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

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

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

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.

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:

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

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.

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

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)

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

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 you initials on the line provided:

RMB

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.

RMB

I have enclosed the required permit fee.

RMB

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.

RMB

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.

RMB

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.

RMB

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.

RMB

I herby 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 23rd day of May, 2019,

Signature of NOI holder or person authorized to sign:

Robert M. Burger

Name (typed or print) Robert M. Burger

Title/Position: President, Sierta Redcone, LLC



wood.

Attachment B: Photographic Log



PHOTOGRAPH LOG

Redcone WP-6 Borehole Abandonment



Wood Project: 32820157

Date of activities: October 3 and 4, 2019



1. Drill Site for boreholes WP-5 and WP-6



2. WP-6 borehole location with drill rig and HQ rod prior to abandonment

PHOTOGRAPH LOG

Redcone WP-6 Borehole Abandonment



Wood Project: 32820157

Date of activities: October 3 and 4, 2019



3. WP-6 borehole location after abandonment



4. Grout plugging material used to abandon WP-6 Borehole

PHOTOGRAPH LOG

Redcone WP-6 Borehole Abandonment

wood.

Wood Project: 32820157

Date of activities: October 3 and 4, 2019



5. Grout mixing tank



6. Grout injection head mounted on top of HQ rod

Form No.
GWS-09
6/2006

STATE OF COLORADO, OFFICE OF THE STATE ENGINEER
821 Centennial Bldg., 1313 Sherman St., Denver, CO 80203
(303) 866-3581 Fax (303) 866-3589 <http://www.water.state.co.us>

For Office Use Only

WELL ABANDONMENT REPORT

Use to report plugging and sealing of permitted wells, monitoring and other holes. Type or print in black or blue ink. Instructions and plugging standards are on reverse side of form.

Well Permit Number of the well being plugged _____ or
MH File Number MH- _____ Hole ID #/Name WP-5

Individual/Company responsible for plugging and sealing the well:

NAME(S) Sierta Redcone, LLC
Mailing Address 1885 Redcoach Rd.
City, St., Zip Allison Park PA 15101
Phone (412) 818-5659

Well (Hole) Owner:

NAME(S) Sierta Redcone, LLC Phone (412) 818-5659
Mailing Address, City, St, Zip 1885 Redcoach Rd. Allison Park PA 15101

ACTUAL WELL LOCATION: County Park

Property Address, City, St, Zip _____

1/4 of the _____ 1/4, Sec. _____ Twp. _____ ☐ N. or ☐ S., Range _____ ☐ E. or ☐ W., _____ P.M.

Distance from Section Lines _____ Ft. From ☐ N. or ☐ S., _____ Ft. From ☐ E. or ☐ W. Line

Subdivision Name _____ Lot _____ Block _____ Filing/Unit _____

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows:

Format must be UTM, zone 12 ☐ or zone 13 ☒. Units must be meters; Datum must be NAD83. Unit must be set to true north.

Easting 429100 Northing 4374478

I (we) report the existing well (hole) was plugged and sealed on the date of 10/19/2019 for the following reason(s):

☐ The well was plugged and sealed as required under Well Permit Number _____

☒ The well was not in use and was plugged and sealed.

☐ Other (please explain) _____

The well was plugged with the following materials placed at the indicated intervals:

Amount and Type of Material	Method of Placement	Interval
<u>250 gallon batches, 20% high-solids</u>	<u>grouting, through</u>	from <u>2,036</u> feet to <u>0</u> feet
<u>benitanite grout, 5 batches</u>	<u>drill rods</u>	from _____ feet to _____ feet
		from _____ feet to _____ feet
		from <u>2,036</u> feet to <u>0</u> feet

Intervals of casing removed/ripped in feet

Report must be signed by person who performed the well plugging work or by the well owner if this person is unknown or not reachable. I (we) have read the statements made herein, know the contents thereof, and that they are true to my (our) knowledge.

Signature(s)

Robert M. Burger

Please print the Signer's Name & Title

Robert M. Burger, President

Date

1/20/2020

It is the responsibility of the well owner to have the well/hole properly plugged and sealed. The Well Construction Contractor is responsible for notifying the owner of this requirement.

WELL ABANDONMENT REPORT

Use to report plugging and sealing of permitted wells, monitoring and other holes. Type or print in black or blue ink. Instructions and plugging standards are on reverse side of form.

Well Permit Number of the well being plugged _____ or
MH File Number MH- _____ Hole ID #/Name WP-6

Individual/Company responsible for plugging and sealing the well:

NAME(S) Sierra Redcoast, LLC

Mailing Address 1885 Redcoast Rd

City, St., Zip Allison Park PA 15101

Phone (412) 818-5659

Well (Hole) Owner:

NAME(S) Sierra Redcoast, LLC

Phone (412) 818-5659

Mailing Address, City, St., Zip 1885 Redcoast Rd, Allison Park PA 15101

ACTUAL WELL LOCATION: County Park

Property Address, City, St., Zip _____

____ 1/4 of the ____ 1/4, Sec. ____ Twp. ____ ☐ N. or ☐ S., Range ____ ☐ E. or ☐ W., ____ P.M.

Distance from Section Lines ____ Ft. From ☐ N. or ☐ S. ____ Ft. From ☐ E. or ☐ W. Line.

Subdivision Name ____ Lot ____ Block ____ Filing/Unit ____

Optional: GPS well location information in UTM format. You must check GPS unit for required settings as follows

Format must be UTM, zone 12 ☐ or zone 13 ☒ Units must be meters. Datum must be NAD83. Unit must be set to true north

Easting 429087 Northing 4374489

I (we) report the existing well (hole) was plugged and sealed on the date of 10/4/2019 for the following reason(s)

☐ The well was plugged and sealed as required under Well Permit Number _____

☒ The well was not in use and was plugged and sealed

☐ Other (please explain) _____

The well was plugged with the following materials placed at the indicated intervals.

Amount and Type of Material	Method of Placement	Interval
<u>250-gallon batches, 20% high-solid</u>	<u>tramic through drill rods</u>	from <u>1,170</u> feet to <u>0</u> feet
<u>benxonite grout, 3-batches</u>		from ____ feet to ____ feet
		from ____ feet to ____ feet

Intervals of casing removed/ripped in feet from 1,170 feet to 0 feet

Report must be signed by person who performed the well plugging work or by the well owner if this person is unknown or not reachable. I (we) have read the statements made herein, know the contents thereof, and that they are true to my (our) knowledge.

Signature(s)

Robert M. Burger

Please print the Signer's Name & Title

Robert M. Burger, President

Date

1/20/2020

It is the responsibility of the well owner to have the well/hole properly plugged and sealed. The Well Construction Contractor is responsible for notifying the owner of this requirement.



Sierta well abandonment reports

Robert Burger <r.burger@verizon.net>

Thu, Jan 23, 2020 at 12:17 PM

To: "Russell - DNR, Elliott" <elliott.russell@state.co.us>

Cc: "Titterington, Amy J -FS" <amy.j.titterington@usda.gov>

Elliott,

Here are the well abandonment reports for our two boreholes (WP-5 and WP-6) last year.

Let me know if these are okay as is, or if I need to include something else.

As part of the Forest Service operations plan, we were to have a third party oversee the abandonment of each boring.

That work was performed by Wood, PLC.

Their abandonment reports are attached as well.

Thanks and all the best,

Robert

Robert M. Burger, P.G.

Sierta Redcone, LLC

r.burger@verizon.net

412-818-5659

4 attachments



WP-5 well abandonment report.pdf

476K



WP-6 well abandonment report.pdf

492K



Redcone WP-5 Borehole abandonment Report 111819.pdf

4179K



Redcone WP-6 Borehole abandonment Report 111819.pdf

4444K



Sierta well abandonment reports

Russell - DNR, Elliott <elliott.russell@state.co.us>

Tue, Apr 14, 2020 at 7:09 AM

To: Robert Burger <r.burger@verizon.net>

Cc: "Titterington, Amy J -FS" <amy.j.titterington@usda.gov>

Thank you Robert. I apologize for the delayed response to your email. Please fill out or have Wood Environment & Infrastructure Solutions, Inc. fill out the Division's official Drill Hole Abandonment Report for each plugged and abandoned drill hole. This form can be found on our website under Mineral Prospecting and Exploration Forms or directly at https://drive.google.com/file/d/14f__RjXiPlumLHecNOyj5vTgmskO7evi/view . Please scan the completed forms and email them back to me. I'll PDF combine them with the other attachments and add it to your file. Once the forms are received, I will have a discussion with the USFS about the completed reclamation bond liability amount associated with plugging the two MD-01 boreholes to utilize that amount to help off-set the liability associated with the forthcoming MD-02 drill project expansion.

Please let me know if you have any questions.

Thanks,

Elliott Russell
Environmental Protection Specialist
Minerals Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

P 303.866.3567 x8132 | F 303.832.8106 | C 303.903.4456
1313 Sherman Street, Room 215, Denver, CO 80203
Elliott.Russell@state.co.us | www.colorado.gov/pacific/drms

[Quoted text hidden]