Initials: HL

File Name: 41859

Commodity: Ag Au Cu

Country: USA

State/Province: NEVADA

County: ELKO

Project: SPRUCE MOUNTAIN

Date: 09/24/1912

Title/Subject: Report on Johnson Bros. Mining Property. SPRUCE MOUNTAIN Mining district.

Notes: Claim map with mineral location

#_____Oversize Doc(s) _____Assay Data _____Log(s)

Map Scale: 1 = 1000'

T: 31N

R: 63E

S: 11

PRESIDENT'S OFFICE
RECEIVED
SEP 30 1912

R E P O R T

JOHNSON BROS. MINING PROPERTY.

Spruce Mountain Mining District,

Elko County, Nevada.

There is nothing upon the surface or anything disclosed in the underground work which has been done for the development of this property to warrant the expenditure of much money, we cannot, therefore, recommend it to our Company.

The property consists of about 450 acres of ground embraced in the 23 lode mining claims which are shown upon the attached print. None of the claims have been surveyed for patent, so they are shown upon the print as they are represented by the owners to have been located upon the ground.

The springs and practically all the work that has been done for the development of the Johnson Bros. property are as shown upon the print in positions determined with a pocket compass from location corners found standing. The mining claims and workings shown upon the print outside the Johnson Bros. property have been properly surveyed and are shown in correct position.

The property is situated 16 miles distant by wagon road route from the nearest point on the Nevada Northern Railroad.

The property includes the three springs which are shown together with their discharge and the elevation at which they occur, upon the prints.

The rocks exposed upon Spruce Mountain in the vicinity of this property are limestone and porphyry (chiefly rhyolite) and the altered forms of both of these rocks. Around the base of the mountain the rhyolite occurs in extensive areas but at the higher elevations it is found as dykes cutting through the limestone. That an extensive mass of rhyolite probably underlies the entire limestone mass at no great depth may be inferred from the amount

of rhyolite found in the works shown upon the map and indicated there in yellow tints.

At each place tinted red upon the print there are some copper and iron oxides in place but in no case is the amount great. At each of the holes tinted red upon the Johnson Bros. property there is rock containing these minerals on the dumps and it was from these that the samples in the Table of Assays on the print were taken.

Practically all of the merchantable ore which has been found on Spruce Mountain occurred in the shallow surface debris and crushed limestone along the lines of contact not far from the porphyry but in no case examined by us has it continued to the depths of the holes which were sunk upon it. The Monarch Mine sunk to an extreme depth of 300 ft. is said to be an exception to this rule of surface deposit. This mine is situated south-westerly about 1-1/2 miles from the Johnson Bros. property. It has produced considerable lead in the past and is said to contain a good sized body on the lowest level which is inaccessible at present.

TERMS:- The terms upon which this property is offered to us are as follows:-

$250,000 to be paid within two years. Ten per cent to be paid upon acceptance and the balance in stated payments to extend over two years.

Salt Lake City, Utah,
Sept. 24, 1912.

J. Fewson Smith
C. E. Allen

UNITED STATES SMELTING, REFINING AND MINING CO.
CUSTOM SMELTERS AND REFINERIES
MIDVALE, UTAH; KENNETT, CAL.; NEEDLES, CAL.;
GRASSELLI, IND.; CHROME, N. J.; PACHUCA, MEX.

UNITED STATES MINING COMPANY

RICHMOND EUREKA MINING COMPANY
CENTENNIAL EUREKA MINING COMPANY
UNITED STATES LIME COMPANY

C. E. ALLEN, MANAGER OF MINES
J. FEWSON SMITH, JR., ENGINEER OF MINES

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PRESIDENT'S OFFICE
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SEP 30 1912

SALT LAKE CITY, UTAH, Sept. 26th, 1912.

Mr. Sidney J. Jennings, Vice President,

U. S. Smelting Refining & Mining Co.,

Boston, Mass.

Dear Sir:-

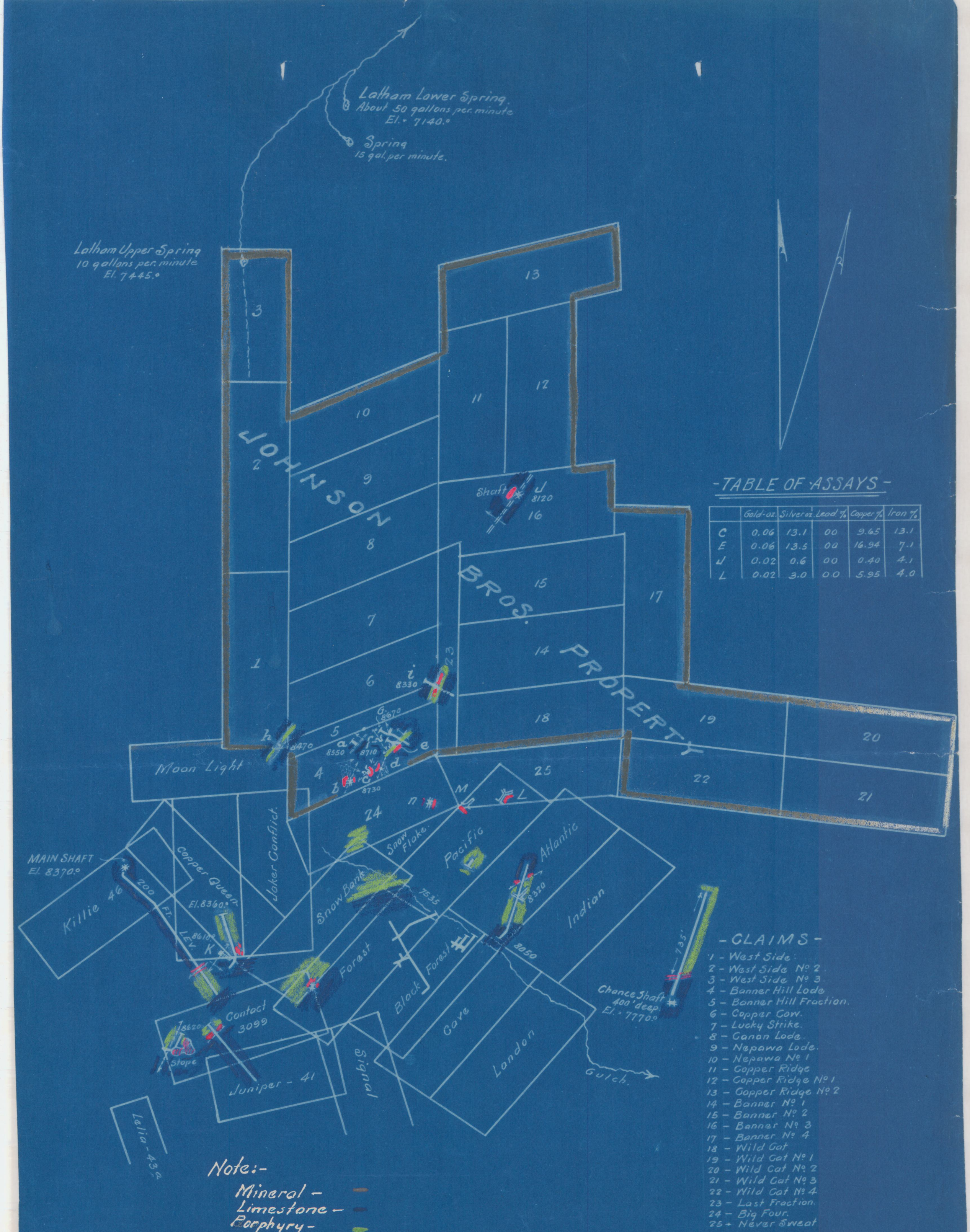
Herewith I hand you Report on Johnson Bros. Mining Company, Spruce Mountain Mining District, Elko County, Nevada.

Very truly,

C E Allen
Manager of Mines.

ENCL.

FILE
SUBJECT



-TABLE OF ASSAYS-

	Gold-oz.	Silver oz.	Lead %	Copper %	Iron %
C	0.06	13.1	00	9.65	13.1
E	0.06	13.5	00	16.94	7.1
J	0.02	0.6	00	0.40	4.1
L	0.02	3.0	0.0	5.95	4.0

-CLAIMS-

1 - West Side
2 - West Side No 2
3 - West Side No 3
4 - Banner Hill Lode
5 - Banner Hill Fraction.
6 - Copper Cow.
7 - Lucky Strike.
8 - Canon Lode.
9 - Nepawa Lode.
10 - Nepawa No 1
11 - Copper Ridge
12 - Copper Ridge No 1
13 - Copper Ridge No 2
14 - Banner No 1
15 - Banner No 2
16 - Banner No 3
17 - Banner No 4
18 - Wild Cat
19 - Wild Cat No 1
20 - Wild Cat No 2
21 - Wild Cat No 3
22 - Wild Cat No 4
23 - Last Fraction.
24 - Big Four.
25 - Never Sweat

JOHNSON BROS. PROPERTY

SPRUCE MOUNTAIN MNG. DIST.,

ELKO COUNTY, NEVADA.

Scale 1000 ft.