Initials: JM

File Name: 43067

Commodity: —

Country: USA

State/Province: Nevada

County: ~~[illegible]~~ ELKO

Project: Butte Group

Date: 1911

Title/Subject: Correspondence and Report on the Butte Group

Notes: In the Mizpah District.

— Oversize Doc(s) — Assay Data — Log(s)

Map Scale: —

T: —

R: —

S: —

141

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

UNITED STATES SMELTING COMPANY
NEEDLES MINING & SMELTING COMPANY

GEO. W. HEINTZ, GENERAL MANAGER

FILE #141
SUBJECT

SALT LAKE CITY, UTAH, June 29th, 1911.

PRESIDENT'S OFFICE
RECEIVED
JUL 3, 1911

Mr. Sidney J. Jennings, Vice President,
U. S. Smelting, Refining & M. Co.,
Boston, Mass.

Dear Sir:-

Herewith I submit a report on the Butte Group at Mizpah, Nevada, examined by Mr. Smith and myself.

Very truly,

C. E. Allen
Manager of Mines.

ENCL.

RECEIVED JUL 3 1911 MINES OFFICE

REPORT

BUTTE GROUP - PROPERTY T. F. BANIGAN

MIZPAH - NEVADA

CONCLUSIONS We feel that the conditions developed though fovorable, are not of a character to warrant further consideration of this property by our company. We offer the following in explanation of conditions which influence this conclusion.

THE PROPERTY Is situated in the Antelope range of mountains about five miles easterly from the Mizpah siding on the Nevada Northern Railroad. It consists of twenty- two locations and embraces about four hundred acres of ground. None of the claims are surveyed for patent and the assessment work for the last year (1910) is scarcely half completed yet.

The claims are shown upon the attached print in the relative position they are said by the owners to occupy and the various holes from which samples were taken and at which the strike and dip of the formation were determined are placed upon the print from the same source of information.

FORMATION AND MINERAL The rocks exposed are chiefly granite, otherwise they are altered forms of rhyolite ranging from typical rhyolite through andesites and diorites to quartz porphyry. The upper strata of the rhyolite is missing upon this property, but is represented in the thin disconnected sections scattered about on the present surface. The gradations near the contact with granite lie in shallow patches of more or less area upon the granite or as fillings in the gashes, crevices and fissures in it. Apparently the granite is cut by several geologically great fissures which traverse the property in a northerly southerly direction. These are practically parallel in strike and all dip at steep angles to the west as shown upon the print. The fissures appear to average about

three feet in width and have well defined walls but have not been developed to any extent on either strike or dip.

The work done in development of the property is scattered and superficial there being but five holes which are more than ten feet in depth and only one which reaches sixty. Developments by this work are not sufficient, in our opinion, to warrant us in any kind of favorable conclusions regarding either the nature of the fissure system or the true character of ore deposition.

The surface evidences of mineral throughout the property are good. There are said to be some sixty-four prospect holes containing "ore". Our investigations however were directed only to the most promising of these and they are comparatively few in number but in every case we found copper and at those places which were sampled there was more or less of gold and silver associated.

In every case we examined however the mineral is associated with and confined to the areas of contact products and alterations so we feel warranted in assuming that it will prove to be no less shallow and superficial than the remnant of porphyry with which it is found.

The areas between the fissures shown upon the print are in places covered with the porphyrys but the depth is so shallow that the granite can also be seen outcropping amongst it in barren patches and in evidence that the area is not ore bearing outside of the narrow fissures. Some sampling was done to demonstrate this fact.

ACCESS-BILITY, WATER ETC. The property is at present accessible by a good wagon road and easy grades and is only five miles distant from the railroad. A spur to connect it with the railraad would be easy to plan and cheap in construction.

There is a limited supply of water for culinary use springing out upon the property in one place and more is supplied by a well only forty feet in depth in another. It is claimed by the owner that water for milling purposes can be obtained by pumping over an elevation of approximately two hundred feet through a pipe line

which need not be more than two miles in length.

The places which we sampled are shown and marked alphabetically upon the print attached and a table is given there which furnishes the sample values and the thickness of the fissures at the points sampled.

TERMS: The owner, T. F. Banigan, claims that he is able to deliver the property, title clear and suggests the following terms:-

(1) Bond and lease for two years. Price $3500.00, 10% to be paid at the end of six months, 10% to be paid in 12 and 18 months, and the balance at the expiration of the bond. Royalty of 25% on ore sold during life of bond to apply on payments. At least 120 shifts of work are to be done each month.

Assessment work on all claims is to be done each year, and said work is to be finished not later than Oct. 1st of the year for which the work is done.

(2) Or Banigan shall receive $5000.00 cash and 1/10 of capital stock of a company to be organized, and $25,000.00 shall be expended on development work by the purchaser.

C. E. Allen
J Tenson Smith

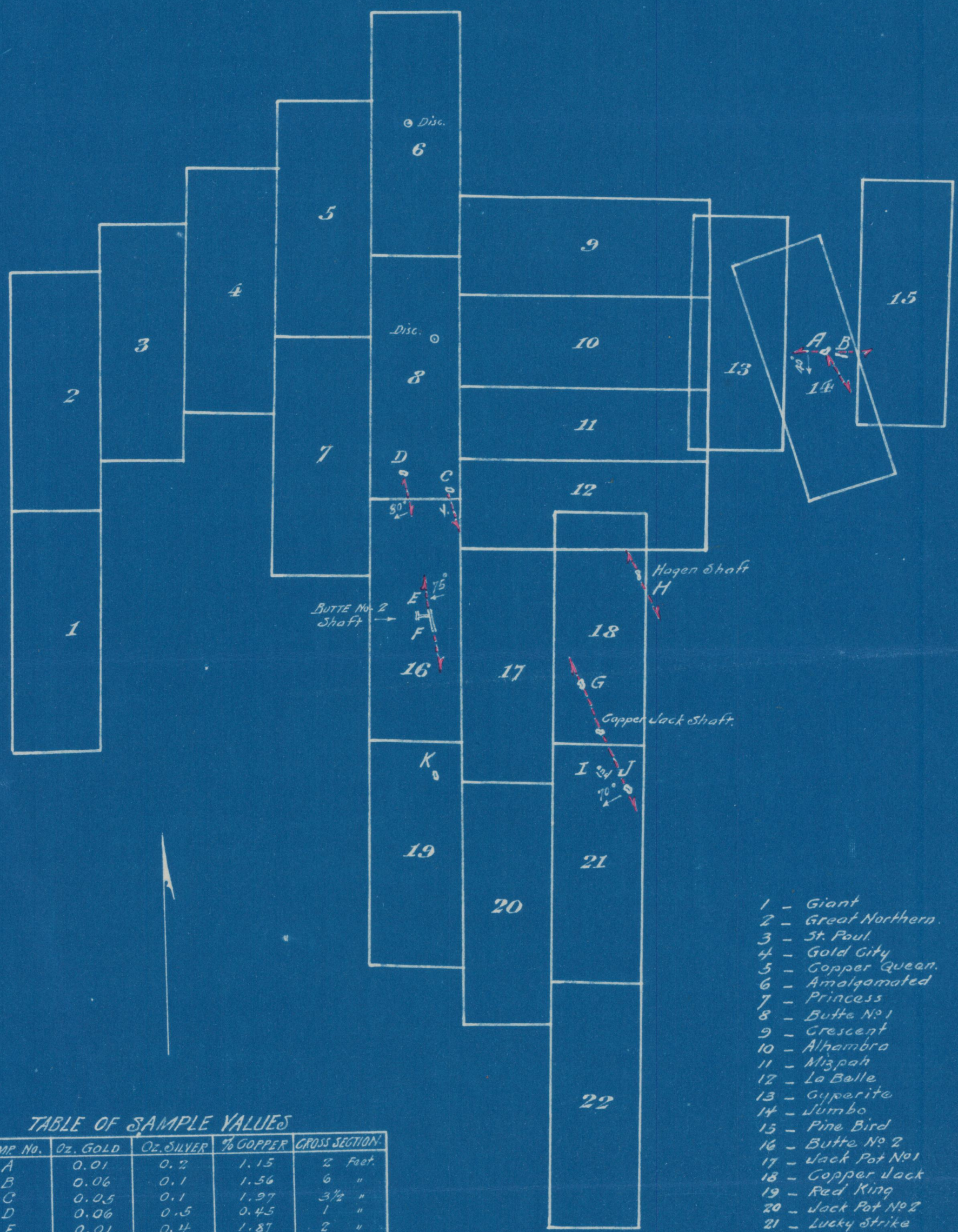
Dated:- June 10. 1911

BUTTE GROUP

PROPERTY OF T. F. BANIGAN

MIZPAH DIST. NEV.

Scale = 1000 ft. = 1 in.



1 – Giant
2 – Great Northern.
3 – St. Paul.
4 – Gold City
5 – Copper Queen.
6 – Amalgamated
7 – Princess
8 – Butte No. 1
9 – Crescent
10 – Alhambra
11 – Mizpah
12 – La Belle
13 – Cyperite
14 – Jumbo
15 – Pine Bird
16 – Butte No. 2
17 – Jack Pot No. 1
18 – Copper Jack
19 – Red King
20 – Jack Pot No. 2
21 – Lucky Strike
22 – Gold Spruce.

TABLE OF SAMPLE VALUES

SAMP. No.	OZ. GOLD	OZ. SILVER	% COPPER	CROSS SECTION.
A	0.01	0.2	1.15	2 Feet.
B	0.06	0.1	1.56	6 "
C	0.05	0.1	1.97	3½ "
D	0.06	0.5	0.45	1 "
E	0.01	0.4	1.87	2 "
F	Trace	0.2	0.40	8 "
G	0.80	0.4	1.46	2 "
H	0.05	0.2	4.34	1 "
I	0.04	0.2	0.40	4 "
J	Trace	Trace	None	3 "
K	Trace	0.4	None	4 "

NOTE:-

Composite = 4.9 % Iron – 76.6 % Silica.
Composite Gold = 0.76 oz. Gold – 0.4 oz. Silver.