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N. of 145
Pueblo Mtn. Copper Properties
Item 23

AMERICAN
ZINC CO.,
WALTER G.
SWART FILES,
NEVADA
FOLDER 402

R. E. TILDEN

UNITED STATES DEPUTY MINERAL SURVEYOR

FOR NEVADA AND CALIFORNIA

CIVIL, HYDRAULIC AND MINING ENGINEER

TONOPAH BANKING CORPORATION

Winnemucca. Nev, Moh, 6th/10. 40 ✓

Mr. W.G. Swart. E.M.
Denver. Colo.

Dear Sir.

Since you last heard from me I have moved from Rawhide to the above town, and have still been looking for a big Copper property for you, and think that I have one for you now, though I have been after an agreement to sell same for the past four years, I have never been able to get at who the original owners were, as all I could get of was from second and third parties, but now I have found the direct owners, and have his authority to dispose of the property in writing.

The property consists of about 75 claims, but more can be had by location if necessary. The property is too big for the present owners, and they have got to get some one hold of it that can handle same for them, and it is just like all Copper properties, they have not the money to work it personally.

The owners have agreed to let the property be taken over by some big operator, and in return to receive 20% of the property, whether it be in stock, money, or what ever may be done with the claims.

There is \$5000. indebtedness on the property and they ask that this to be paid for by the purchaser, outside of this they don't ask ~~any~~ for any money at all. The property is a very large one, and there is a big water power about 40 miles from the mine that can be made to develop something between five and ten thousand horse power (5000 to 10000.H.P.)

None of the claims are patented, but they keep the work up on all of them every year, with the hopes of a railroad getting near the property, and it looks as if such will come now in a short while., i.e., place the claims much nearer than they are now, as I am told that they are 75 miles from the Western Pacific Ry at the present time.

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The man whom I have my agreement from was a little cranky in his statement and to the answering of my questions, he being an atty here, but I could find out very plainly from him that they were ^{now} ~~will~~ willing to give big concessions and long time lease if the claims could only be patented, he offered me five years time, and I think that I could get more if he knew the claims were to be patented this year and the indebtedness paid off.

So if you can handle the property, I would advise that you come out and look the claims over and see for your-self, as it is a huge proposition, and the claims are scattered over a distance in groups, to the distance of 20 miles.

Enclosed I am sending you a blue-print that I made for a railroad that I am interesting capital to build, and which I have looked over the past week. It is as near to the spot as I could get from the data given me.

Am also sending you a report written up by some Atty, or Engineer, as it was handed to me by the owner of the property, but I saw some of the ore, and there is some Calcopirite, Cuprite, Malachite, Nickle, Cobalt. and then there was a black kind of metal that I could not name, and I also noticed from some of the country rock that there must be a lot of lime and schist near by, and probably some granite,. Of course not seeing the claims, I could not give an exact description of the properties. However you may be able to judge from the meager report what the property is like and what to expect.

~~xxx~~ Though I did-not like the option I have, I am sure that it can be had for a great deal less when the parties are ready to talk to business as to the handling of the property in a business like manner.

Trusting that I have some thing for you this time, I am

Offices in the
Hustin- Grandin, Bldg.
Box #159.

Yours very truly.

R. E. Tilden

PO
Report coming later
soon as copy can be made

PUEBLO MOUNTAIN COPPER PROPERTIES.

Situation.

The mining claims, some one hundred in number are located in groups along the course of a mineral zone running North and South or nearly so and about two miles wide following the pueblo range of mountains passing through the boundary line of Oregon and Nev, in Harney and Humboldt, counties.

----- General features of the country.-----

The country is accessible at all seasons of the year; Water for domestic and mechanical purposes is good and abundant: Fuel for domestic use is also very plentiful, consisting principally of large areas of Mountain Mahogany which makes a perfect Coal also, by which I mean charcoal. Grass grows naturally and the valley is devoted to agricultural purposes, principally stock farming, every thing in the form of products agricultural is at present time sheep; hay, beef, mutton, and barley are very low; salt is also abundant, and there is Borax in plenty within twenty miles of the mine.

The climate is pure and healthful, in fact all the conditions except as to fuel for smelting are ideal to the production of copper. There is a distance of 40 miles a splendid opportunity to acquire a water power; the minimum flow of this stream is 2300 inches and the minimum power would be equal to 4800 H.P. and would during the season say for six to eight months reach a maximum of 15000. Horse Power.

There would never be less than 4800. H.P. at any season. Vast resources in the way of lumber lie about 40 miles to 60 miles Northerly and manufactured lumber can be laid on the ground for \$20.00 per M. Ft, common.-----

TRANSPORTATION.

At the present time there is no railroad transportation within a distance of 80 miles; the transportation is by freight teams and from Winnemucca is \$30. per ton. The nearest railroad point is a point on the new Western Pacific railway not yet established, although that Railroad is just nearing completion and will be open for business in less than six months, at which time a point will be established from which the distance to the mine will be 80 miles; the intervening country is free from difficulties in the way of cheap construction in fact it is extremely favorable to such construction.

There are no difficulties of any kind and the road from the point aforesaid to the mines would be over what is practically a level country. The handling of this property, ie, to say its development and exploitation will involve the construction of this line of railroad....

THE MINES.

The property of this one concern, consists of about 100 claims located in groups and hereinafter specified. The ores run from three to 65% Copper, small Gold and Silver values and as high as 12% Nickel: the ores practically embrace every known character of Copper ores..

All the locations show veins of deposits; the formation varies in character and it would take too much space to attempt to describe it otherwise than in general terms.

FORMATION.

Southern end of zone is a lime Schist, Granite and Diarite, big reefs traverse the zone longitudinally some of which carry vast bodies of iron running 60%; the iron reefs are most noticeable near the center of the zone where the general formation is Granite, Quartzite or an altered lime. On the Northerly end of the zone where the ores is in porphyry the formation appears to be a huge basaltic flow on the West, ~~the~~ flanked at a distance of 2000 Ft on the East by a line of quartzite or altered lime....

VEIN FORMATION and DEPOSITS.

The ores form in veins running from four to 30 Ft wide, and ~~the~~ in deposits of porphyry of apparent great extent. The veins vary in a great many particulars but for the most part trend a Northerly and Southerly; the ores in the veins with one exception, the "Sunshine" of which I shall speak latter, is of a good character as to value running from 10% upwards, and embracing ~~over~~ almost every known character of copper ores including the sulphides in many places on the surface.

The deposits are as far as now determined two in number namely the Arizona and the North Camp. The gangue at both places is porphyry.

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VIKING GROUP.

The Viking Group consisting of perhaps 20 locations on several veins at the best point shows vein formation of perhaps 25 Ft in width; this is a lime schist; the ores are sulphides, pyrites principally carrying also metallic coppers and slight oxides and carbonates.

A tunnel is run on this group about 400 Ft long; it is not into the mineralized zone and shows nothing as yet.

BEGEAL GROUP.

About three miles North of the Viking group the Begeal group is located; perhaps ten claims; the most notable of this group is the "Sunshine", previously mentioned. The ores are low, running about 3%; it is impossible to determine the extent of these ores at this point from the work done; the surface is in a sort of Iron gossan and is practically all mineralized. The "Sunshine" is about 30 Ft wide; the ores are exclusively sulphurets, (pyrites) will average better than 3% copper, \$1.20 Gold, no silver. The gangue is brecciated matter cemented with silica. My examination does not go further than this to these ores, not any of the ore bodies. In fact I regret to say that I have not given the properties the careful examination to which they should be subjected for lack of time; besides the magnitude of the field to be examined has necessarily limited me to a few of the chief points of interest as they appear.

q TEMPEST AND OLD CAMP GROUPS.

These lie about one mile Northerly from the Begeal group; quite large veins carry good values in copper, showing at the surface azurites, borinites, carbonates and sulphides and yellow pyrites including the grey copper. Substantially no work done here either, and none at the Begeal.

ARIZONA GROUP.

This is a group of claims located upon one of the porphyry deposits; the ores here are of various characters up to and including native Copper; the averages obtained by other samplers show about 4% according to my best information; the extent of this deposit cannot be determined; it is quite large however in places showing from two to three hundred feet in width; a tunnel has been started here which will the deposit at a depth of 125 ft and should be continued as 60 Ft of work at this point in the extension of the tunnel ought to determine very largely the value and probable extent of this deposit.

RATTLER? BISBEE AND OTHER GROUPS.

Veins and what might be called reefs from their size are located along Northerly until the

Desert Queen and Lady Elgin are reached, these latter are big fissures filled with a mineralized clay as near as I have been able to determine; the clay appears to carry good values and is shot with seams of borinite carrying 65% copper, and 1% Nickel. A shaft of 20 ft is sunk in this clay shows small seams of borinite.

North Camp Group.

The North Camp Group is located at present on about 300 acres of ~~porphyry~~ porphyry carrying values in copper principally; this field is bordered by an irregular rim of basalt on the west and upon the East by a well marked body of Quartzite and altered lime; within these limits the porphyry is easily 2000 ft wide; the field in some places is covered by detached bodies of basalt, evidently part of the Western flow.

More particularly however are immense masses of black "Churty" material, lacking lustre or color but containing from 3% to 11.38% copper; to what depth this churt extends cannot be predicted my opinion is however that the churt does not exist at great depth and that the mineralization is due to ascending solutions through the underlying porphyry. This is mere opinion however and development may modify or change it entirely.

I have had a number of determinations made of the porphyry and all show copper, but I have no assays or quantitative test of any character of the porphyry. I know it all contains copper there is not a hole ten feet on the entire area or was not at the

(2) time I last saw it.

To sum up, I say there is no development worth the mentioning / I say further that the country and these properties present the most flattering and attractive showings for bodies of copper ore that can be worked cheaply and to profit that I have ever seen.

The owners are a strictly business men and business can be readily done with them; they are willing to take all that comes to them out of the dividends on their stock;

There are obligations against the property for assessment work and the like amounting to \$2500. or \$3000; there remains to be paid on the purchase price a small sum which is not due until July next. There is not a single statement of fact made herein that cannot be fully verified by independent examination and more than verified, and I have no reserve or qualification of any kind or nature.

Winnemucca, Nevada, December 16th, 1909.

To George W. Hartley.

*Return when through to
R. E. Tilden
Winnemucca
Nevada.
Box #159*

OFFICIAL SURVEYS FOR U. S. PATENTS

UNDERGROUND MINE SURVEYS

MINES EXAMINED AND
REPORTS MADE

R. E. TILDEN

UNITED STATES DEPUTY MINERAL SURVEYOR

FOR NEVADA AND CALIFORNIA

CIVIL, HYDRAULIC AND MINING ENGINEER

REFERENCE

TONOPAH BANKING CORPORATION

Winnemucca, Nev, Mch, 19th/10.

Mr. W.G. Swart. E.H.
Denver, Colo.

Dear Sir:-

Sometime ago I sent you a letter in regard to a large Copper property that I have an option on in the Pueblo Mts in Southern Oregon, and I have been trying ever since to get a good report on the property, and think that in the next few days that I will have a more precise one, than the one I sent you with my letter.

I had a talk with the Supt of the property here to-day, and he said that he found the following values, Viz Nickel 1.30%, Gold \$4.00 to the ton, Silver 8. Oz, and Copper will run on an average 3%, but very much higher than this is found. However I will say there is a whole mountain of Copper, mostly porphyry formation.

* In regard to the water power, one can get 5000. Horse Power 20 miles from the mines, and can get 15,000. H.P. about 35 miles ^{25 miles} from the mines, the distances is only approximate. This property has about 100 claims, and it is almost next to impossible to estimate the tonnage, it is simply a whale in size from all accounts that I have.

Hoping that I may hear from you in regard to the property, and as soon as I get the report on the property, will send same to you.

Yours very truly.

Box #159.

Hustin-Grandin, Bldg.

R. E. Tilden

MAP SHOWING PARTS OF Idaho-Nevada and Oregon and the route of proposed railroad from Winnemucca to Paradise Valley with probable extensions.

Scale: 1 inch = 12 miles.

R. E. Tilden,
Civil Engineer.

Winnemucca, Nevada.

March 5th, 1910.

Note: Each square represents 6 miles by 6 miles.



