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FROM A. J. O'Connor, General Manager CITY Kimberly, Nevada
TO E. N. Pennebaker, Consulting Geologist DATE December 10, 1951
SUBJECT EXPLORATION OF OUTSIDE PROPERTIES - ARIZONA

Graham Co

Dear Penny:

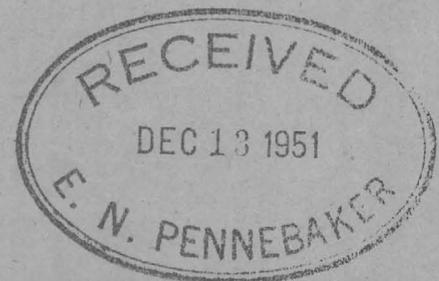
I am enclosing a copy of a letter received in September from Mr. C. J. Larson of Minneapolis, in regard to the Starlight Mine located in Graham County, Arizona. This letter was received while I was on my vacation and through an oversight on my part has not been answered.

I am passing the data on to you and if there is any merit in the property that will warrant an investigation please advise me so that I may so notify Mr. Larson.

Best regards,

AJ O'Connor

AJO'C/ps
Encl.



(COPY)

C. J. LARSON
211 Lumber Exchange Bldg.
Minneapolis 1, Minnesota

September 15, 1951

Mr. A. J. O'Connor
General Manager
Consolidated Coppermines Corporation
Kimberly, Nevada

Dear Mr. O'Connor:

I have today received the offer of the Starlight Mine located in the San Carlos Indian Reservation near the western boundary line of Graham County, Arizona, and is about 9 miles southeast of the Coolidge Dam, property is recorded at Safford, County Seat of Graham County, Arizona, and consists of eleven patented claims, about 200 acres.

It contains lead and copper ores. It is in a very productive area or district. It is said to be in the same formation as the famous Magna Copper Mines, Superior, Arizona, and directly upon the strike of the mineral formation of Magna. There are at least three faces where shipping ore can be broken at once. All the workings are above the main tunnel level, hence no water to contend with. A lessee made two shipments of ore last year, each of which assayed above \$82.00 per ton, but as this was picked ore, it was not the average value.

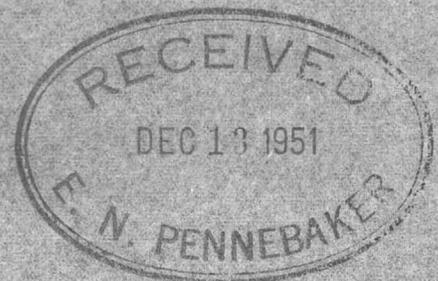
Price on this property is \$175,000.00 with terms of 10% royalty to apply on purchase price. A small down payment is required.

If this should be of interest, I will write you further about it.

I assume that a tungsten mine in Arizona would not be of interest to you, but if it should, I will write you on such a property.

Yours very truly,

/s/ C. L. LARSON



FROM F. V. Tompkins, Associate Geologist
TO J. Frank Sharp, Exploration Superintendent
SUBJECT ADAMS PROSPECT.

CITY Safford, Arizona

DATE February 2, 1952

On January 30th., you and I visited the prospect of D. C. Adams, Safford, Arizona. On February 1st., I spent an additional day scouting the area south of this prospect. Mr. Adams' claims lie about 12 miles south of Safford in Sec. 13, T.9S, R 25E, near the eastern front of the Graham mountains.

Conclusion:

The quartz veins of the area are too narrow and too weakly mineralized to be of value to Coppermines. The fractures which occur in the younger granitic stock indicate little or no copper mineralization. The area warrants no further consideration.

Geology:

The rocks of the area are pre-cambrian granite, a Tertiary (?) granitic, and quartz veins which are partially covered by uplifted valley fill. In the vicinity of the Adams property, the younger granitic occurs as a small stock. Throughout the area four miles south, dikes of the younger granitic cut the pre-cambrian granite. Both granitic rocks are cut by quartz veins of a few inches to perhaps four feet in width. Locally, the vein structure is indicated only by silicified zones, particularly in the younger granitic.

Mineralization, which occurs in the quartz veins of the Adams property, has at times spread a few feet into the younger granitic. Such mineralization includes chalcopyrite which is being replaced by copper pitch, pyrite, copper carbonates, a small amount of limonite after chalcocite, limonite after pyrite and limonitic wash. Fractures in the granitic stock average 6" to 12" intervals, are relatively narrow, and contain a small amount of limonitic wash.

F. V. Tompkins

FVT/ jmh
cc: E. N. Pennebaker
A. J. O'Connor



SAN JUAN MINING AREA
NEAR SAFFORD, ARIZONA

The ore is said to occur in monzonite which has been intruded by diorite and diabase. The mine has been developed by one shaft 320 feet deep, and by 600 feet of development on the 130 level and 200 feet on the 230 level. The workings are now filled with water. In addition to the shaft and drifting, three churn drill holes are said to have been drilled on an east-west line over 400 feet in length. Mr. Sparks, who has the records of the drill holes and who showed them to the writer, has averaged the values cut as follows:

Hole No. 1	110 feet	5.24% copper
Hole No. 2	70 feet	2.52% copper
Hole No. 3	165 feet	1.65% copper

From the ore cut in these holes, he has estimated that the total tonnage of 970,000 tons of 3.65% copper. He arrived at the tonnage figures by giving 100 feet to each side of the drill line. A geometrical average would cut this figure to about 3% copper.

Hole No. 2 showed a second ore zone 100 feet thick of 1.65% Cu.

According to Mr. Sparks description of the property, there is a capping of carbonate ore. He estimated 225,000 tons of 1.5% copper in the capping. The ore is said to be disseminated chalcocite which grades into chalcopyrite at between 70 and 200 feet in depth. The chalcopyrite, or primary ore, averages around .5% copper.

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