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March 24, 1969

Mr. V. L. Cruce
P. O. Box 471
Tucson, Arizona

Cruce Copper Prospect
Pinal County, Arizona

Dear Mr. Cruce:

I have received the assay returns from my samples taken 1/30/69, with Mr. Luning. These samples represented a fair cross section of the mineralized zone, and in addition three special samples were cut from areas which appeared to be "high-grade". The assays were all very low, and this together with observations along the mineralized zone make it impossible for me to recommend further work by my company.

I want to thank you and your wife for the courtesies extended to me, and I wish you luck in your efforts to have the property developed.

Very truly yours,

John E. Kinnison

JEK:kc



PE granite

Bloodsucker Tvol.

330' DDH

No Mineralization

No V.I.S. Cu

Traverse West, 1942-1949

PIPELINE 1

No 1 Dirt Tank

Tucson, Arizona 85702,
Jan.24, 1969.

American Smelting And Refining CO.,
Southwestern Exploration Dept.,
P.O.Box 5795,
Tucson, Arizona 85703,
Mr. John E. Kinnison,

J. E. K.

JAN 27 1969

Dear Mr. Kinnison:

In the fall of 1966, you took a quick look of my property (I say a quick look, as I was not at home when you came, but you were told that I would return shortly, and you waited for me.) We put in about two or three hours, seeing what we could in the limited time available.

At that time a 160 ft. inclined shaft was under water and was not safe to enter. You stated that you would like to examine said shaft, and returned at a later date, but I had not had time to put the shaft in good shape.

Now the shaft is unwatered, retimbered, and can be seen. About two thousand feet to the south, on the same structure, a 60ft. vertical shaft, filled to the surface, and sunk in 1916, has been cleaned out and timbered. There is good milling malichite ore in this shaft, and in quantity. About one hundred feet to the west, (the strike is northerly by southerly through-out the entire property) I made an open-cut, going through twenty feet of malichite. Over the one hundred foot area between the shaft and the open-cut, copper ore is indicated on the surface.

When I talked to you in 1966 I had 30 claims; now I have 98 claims.

At that time I told you that before I would talk deal, that I would require an I.P. Survey. You appeared to frown on said requirement.

If your company is interested in examining my property thoroughly, I will withdraw the I.P. requirement.

As I told you before ASARCO examined this property, when it consisted of only 7 claims. There were three of us then, partners, and we could not get together, when we tried to make a deal, with Mr. Easterman, who discussed the matter with us at that time, which was in 1938.

I own the 98 claims now, and if your company is interested in this huge structure, I will be glad to show it to them.

I go to town only on Tuesdays and Fridays, every two weeks, except in case of an emergency, so it isn't too hard to find me at home.

In case you might not still be with ASARCO, my property consists of the HOT BOY and ARDMORE Groups. I live in the N.W. $\frac{1}{4}$ Sec. 15, 80-14E, Pinal Co., 12 miles north of the Oracle Rd., on the Willow Springs Rd., appearing on the map as "Barkerville Road". Turn in at my sign, as my house is about two hundred yards from sign, but not visible, being behind a hill.

Very sincerely,

V. L. Cruce
V.L. Cruce

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

February 27, 1969

J. E. K.

FEB 28 1969

TO: J.H. Courtright

FROM: J.E. Kinnison

Cruce Copper Prospect
(Hot Boy Prospect)
Pinal County, Arizona

The subject prospect is 40 miles north of Tucson on the east flank of Black Mountain, and consists of mineralization along a two mile length of granite-volcanic contact (Attachment A). An examination and sampling was done January 30, 1969 with the help of Mr. R.H. Lunning. The prospect is of no interest to ASARCO.

Notes From Examination

Mr. Lunning and I made an assay traverse south of the Hot Boy shaft, as shown on figure 1, Attachment B. We also were directed by Mr. Cruce as guide to "copper shows", along the contact as scattered points as far as three miles to the south of the Hot Boy shaft. Mr. Lunning and I examined two areas north of this shaft about $\frac{1}{2}$ mile, which had been prospected by narrow trenches on silver-copper stringers in andesite (Attachment A).

Assays for these samples from Hawley and Hawley are appended (Attachment C). Gold and silver were run by fire assay using one assay-ton charges. Samples were ± 10 lbs surface chip except as noted on the sample description sheet (Attachment D). All values were exceedingly low except 1910--a selected high grade sample.

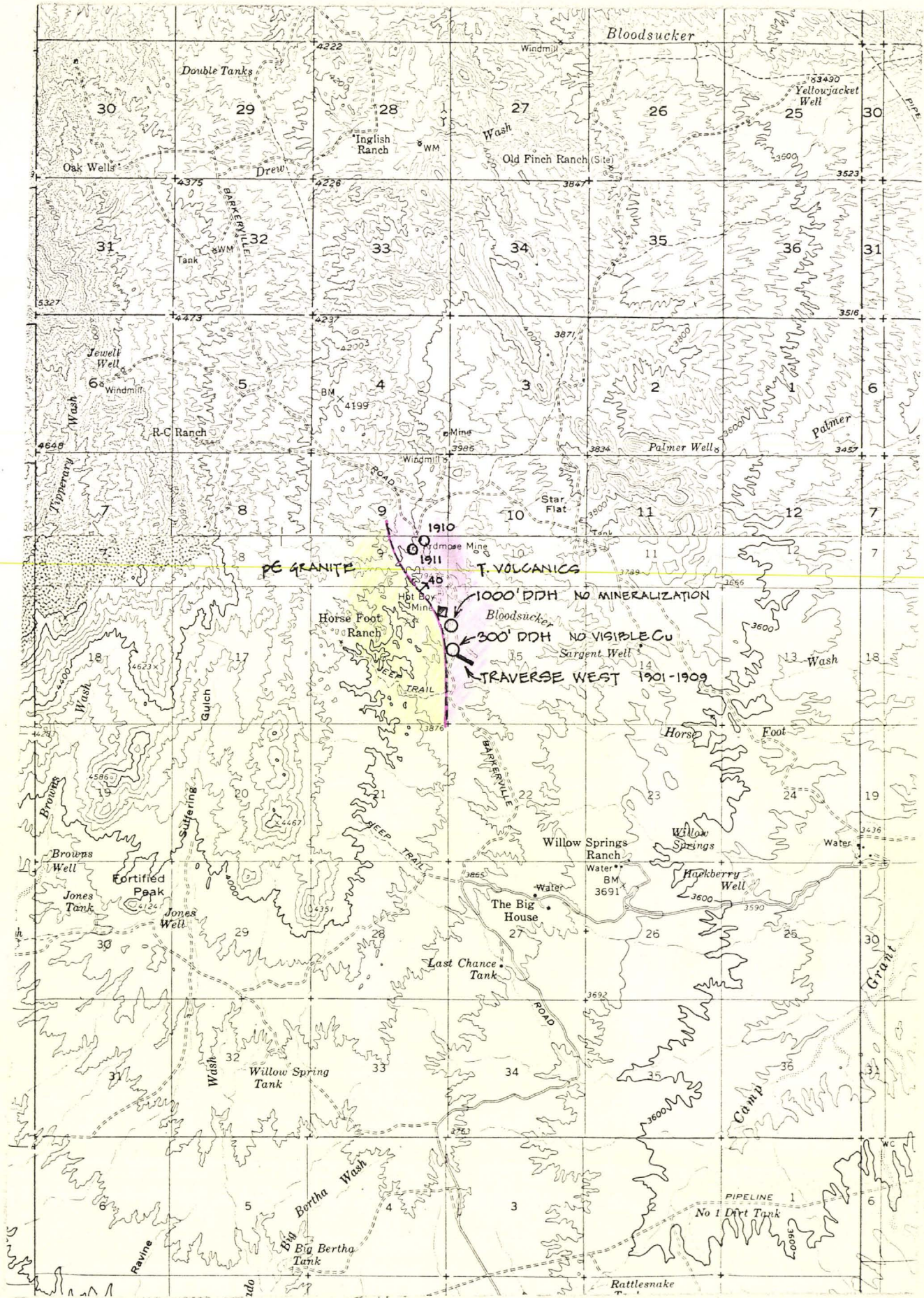
Observations of copper or limonite occurrences along the granite-andesite contact show the mineralization to be spotty, and generally localized on N30°W fractures. These fractures, which abut the northly granite-andesite contact at an angle, give an impression of a wider mineral zone than exists in fact.

At the Hot Boy shaft, my first impression (1966) of a 200-foot width of mineralization proved incorrect on closer examination. There is instead a single ± 20 -foot wide inclined mineralized shear zone, repeated three times by faults---as diagrammed in figure 2, Attachment B. Although shipments to Hayden in 1939-1940 were made, according to Mr. Cruce, at 3-4% copper, the sulfides on the Hot Boy dump are pyrite only.

Inspiration, who had the property under option for the past year, expanding the claim group from 39 to 98 claims, sank some shallow holes, and also a 1000-foot diamond drill hole about 500 feet south of the Hot Boy shaft (Attachment A). Chips of granite from this drill site show no evidence of mineralization, and Inspiration has reported to Mr. Cruce that the hole was blank.

John E. Kinnison
J.E. Kinnison

JEK:1zb



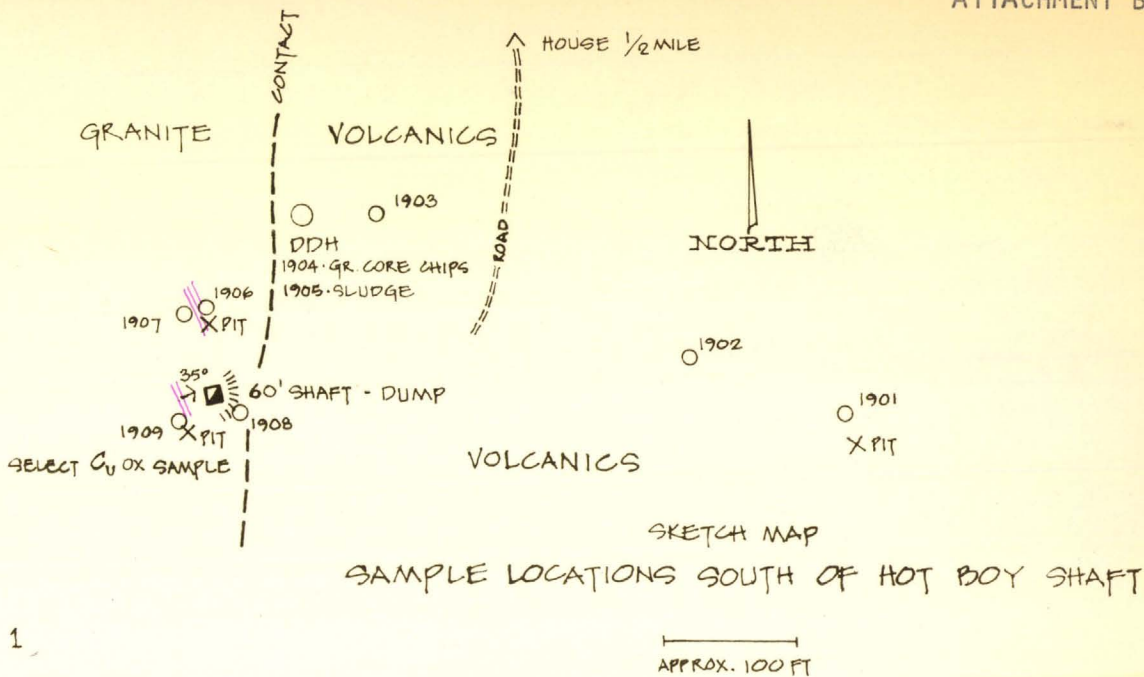
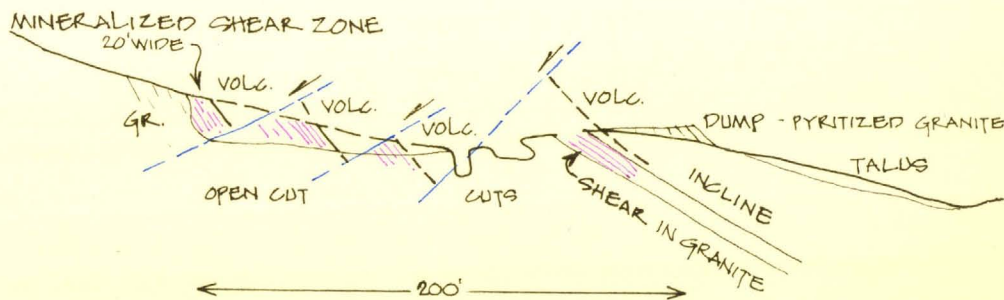


FIGURE 1



DIAGRAMMATIC CROSS-SECTION
HOT BOY SHAFT

NOT TO SCALE

FIGURE 2

SKETCHES

CRUCE PROSPECT

BLACK MOUNTAINS

PINAL CO., ARIZONA

1/30/69

JEK



Registered Assayers

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

*Ames project
P.O. Co. Ariz*

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:
Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %			
1901	N11	N11		30		< 5			
1902	N11	N11		25		< 5			
1903	N11	N11		50		< 5			
1904	N11	N11		35		< 5			ATTACHMENT
1905	N11	N11		50		< 5			C
1906	N11	N11		3.5%		< 5			
1907	0.005	0.10		3.07%		< 5			
1908	N11	N11		0.25%		< 5			
1909	0.015	0.20		1.50%		10			
1910	0.015	1.80		4.00%		< 5			
1911	0.005	N11		0.17%		< 5			
							<p><i>Ames project</i></p> <p>J.E.K. FEB 24 1969</p> <p>K.V.D.S. FEB 12 1969</p>		
				<p>11 Au & Ag, singles \$4.00</p> <p>11 Pb, Singles \$31.00</p> <p>6 Cu, singles \$81.75</p> <p>5 Cu, geochem \$31.20</p> <p>11 samples prepared \$3.85</p>					

CC: American Smelting & Refining Company
ADD: P. O. Box 5795
CITY: Tucson, Arizona 85703
ADD: Attn: Mr. John E. Kinnison
CITY:

REMARKS:

Analysis Cert. By *[Signature]*

Preparation \$ *[Amount]*
Analysis \$ *[Amount]*

ACC: AMERICAN SMELTING & REFINING COMPANY

Date Spl. Received *2/11/69*

Date Compl. *2/11/69*

TUC 342217

\$ *[Amount]*



HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.

1700 WEST GRANT ROAD - TELEPHONE 622-4836 - POST OFFICE BOX 5934

TUCSON, ARIZONA 85703

Registered Assayers

THE SOUTHWEST'S LEADING ASSAYERS AND REPRESENTATIVES

Branch Representatives at Buyer's Plants:

Phelps Dodge Corp., Douglas, Arizona; ASARCO, El Paso, Amarillo, Texas and Hayden, Arizona

IDENTIFICATION	Gold ozs.	Silver ozs.	Lead %	Copper %	Zinc %	Mo. %			
1901	0.11	0.11		0.30		< 5			
1902	0.11	0.11		0.25		< 5			
1903	0.11	0.11		0.20		< 5			
1904	0.11	0.11		0.20		< 5			
1905	0.11	0.11		0.20		< 5			
1906	0.11	0.11		0.20		< 5			
1907	0.035	0.10		0.075		< 5			
1908	0.11	0.11		0.100		< 5			
1909	0.015	0.10		1.000		< 5			
1910	0.015	0.10		0.075		< 5			
1911	0.015	0.11		0.075		< 5			

K.V.B.S.
FEB 12 1969

J.E.K.
FEB 21 1969

11 Au, singles \$1.00
 11 Pb, singles \$1.00
 6 Cu, singles \$1.75
 5 Zn, singles \$1.75
 11 sample prepared \$9.85

CC: American Smelting & Refining Company
 ADD: P. O. Box 5765
 CITY: Tucson, Arizona 85703
 ADD: Attn: Mr. John E. Kinnison
 CITY:

REMARKS:

Analysis Cert. By
 Preparation \$
 Analysis \$

ACC: AMERICAN SMELTING & REFINING CO.

Date Spl. Received

Date Compl.

TUC 342417

\$

<u>Sample No.</u>	<u>Description</u>
*1901	Dump, prospect pit, And. Bx. No mineralization.evident
1902	And. Bx. surface grab. $\frac{1}{2}$ sample brown, bleached $\frac{1}{2}$ sample no mineralization
1903	Andesite, vesicular. Weak Kaol, diffuse brown Fe Ox. Surface grab.
1904	Diamond drill hole, reported 300'. Weak propylitic alteration. Passed from volcanics unto granite. Sample of gr. core chips.
1905	DDH sludge cuttings in granite.
1906	Dump grab sample at prospect pit. Granite, prop. alt., little sericite, Tr malachite. Shear zone is granite.
1907	Footwall granite west of 1906. Surface chip of 3 ft. shear-Fe Ox zone with a Tr. of malachite.
1908	Dump grab at newly retimbered 50-ft shaft. Chloritic.
1909	Selected Cu-silicate pieces from prospect pit near 1908.
1910	1/3 Mi N of Hot Boy shaft. Select sample of malachite pieces from walls of old open cut, 50' x 4' x 3.5' deep. And. Bx., greenish cast plus Qtz. druses and colloidal veinlets. Pinch out at bottom of cut. Strike N25°W.
1911	More or less 500' SW of #1910 at 'Ardmore' shaft. Dump grab from narrow open cut.
*1901-1909	Location Att B. Figure 1
1910-1911	Location Att A.

September 28, 1966

Trudean
Mr. V. L. Cruce
P. O. Box 471
Oracle, Arizona

Cruce Prospect
(Hot Boy Claims)
Pinal County

Dear Mr. Cruce:

When I visited your mining claims near your house, last May, I borrowed a small magnifying lens from you during the day. I must have carried it back with me in my shirt pocket, for I recently saw it in my desk drawer. In a separate package I am sending a new hand lens to replace this one.

I have not had an opportunity to visit your property again, as I planned, but hope to do so in the near future. Perhaps the old shaft is cleaned out by now so I can enter it.

Very truly yours,

JOHN E. KINNISON ✓

JEK/mcg

Oct. 13, 1966.

Tucson, Arizona.

American Smelting & Refining Co.,
Southwestern Exploration Dept.,
1150 North 7th Ave.,
Tucson, Arizona.

Mr. J.E.Kinnison,

Dear Sir:

J. E. K.
OCT 17 1966

Recently you and I hurriedly went over part of my group of claims; I say "hurriedly", because I was not at home when you came, and we had only two or three hours to look at the property.

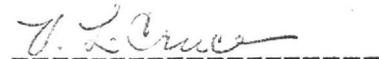
You advised me that you would write a short report to your company, recommending a thorough examination of said property. I am at a loss to understand why you have not been back.

Since you were here, I have discovered an out-crop of copper porphyry, in volcanics, but have not had time to do any work on it yet.

When you were here, your mineral glass was not in your brief case, and you used mine. When you left, I forgot to mention the glass. Said glass is not worth much, but it was given to me by a very good friend over thirty years ago. If you are not coming this way soon, will you please mail it to me?

Please advise me if your company is or is not interested in a deal on my property, so I can act accordingly, as there are many good companies looking for property like mine in the Tucson Area.

Very sincerely,



V.L.Cruce

P.O. Box 471

V.L.Cruce,
P.O.Box 471,
Tucson, Ariz.



American Smelting & Refining Co.,
Southwestern Exploration Dept.,
~~1150 North 7th Ave.,~~
Tucson,
Arizona.

Bx 5795

Attention: Mr. J.E.Kinnison

