

October 7, 1940

Mr. C. F. Kelley,
Chairman of the Board,
Anaconda Copper Mining Company,
25 Broadway, New York City.

Dear Mr. Kelley:

I have completed an examination of the Walker Mining Company at Walkermine, California in company with Mr. Sales and the Salt Lake and local officials. This is not submitted as an official report, but written to give you advance information in regard to conditions existing there.

I found the mine in as good operating condition as could be expected. Improvements have been made in working conditions; the tracks and stopes are in good shape. The yoom and pillar method of stoping has worked very well giving better ore extraction and better grade ore, but these improvements have not been able to offset the adverse factors.

A larger percentage of ore has had to come from below the 700 or tunnel level. This ore is hoisted through two very inefficient inclined shafts with a maximum capacity of 1000 tons per day. The large stopes in the North Orebody below the 700 level are practically worked out, and this part of the mine will be nearly exhausted within the next six months. Wages were increased 50¢ per day, or \$6,000 to \$7,000 per month from October 1, 1939 to March 4, 1940. In addition a development campaign costing about \$6,000 per month has been carried on; or an additional expense of \$12,000 to \$13,000 had come up since my last report on Walker. After March 4th, 1940, the wage increase was removed, therefore, the increased cost at this time is about \$6,000 per month.

On my visit to the mine last year I thought that it was possible for Walker to clean up its debt to the Anaconda Company but I do not now believe this is possible, except with a price for copper higher than anything we can see in the near future.

Mr. Kelley - 2

Oct. 7, 1940

During the first seven months of 1940 the Walker Company lost \$116,000 or about \$16,500 per month, before depreciation. The loss for August is close to this figure.

There are certain bright spots in the future picture which will be considered. The Walker vein is a strong mineralized fissure with a lateral extension of at least three miles. This has been developed for about 8,000 feet and produced at least two good ore bodies. Our development work has been fairly successful in that we have eliminated a large amount of area as non-commercial and have opened three or four very promising possibilities. In their order of importance these are as follows:

- 1st. The 900 level Piute Orebody south of the Piute shaft.
- 2nd. The 900 level Piute north of the Piute shaft.
- 3rd. The 1200 level below the North Orebody.
- 4th. The 517 fissure vein.

The 900 level to the south of the Piute shaft has opened an orebody over 200 feet long with a maximum horizontal width of 125 feet, and much better values than have been found in the Piute section previously. The drift going south is still in good ore although the vein is much narrower, probably about 80 feet. The last assay from this face was 3.55% Cu and .17 oz. Au. The vein dips at an angle of 30° from the horizontal and the hanging wall branch has a horizontal width of approximately 80 feet, averaging according to cut samples about 2.00% Cu, .85 oz. Ag and .045 oz. Au. The footwall branch is about 40 feet wide and averages 1.75% Cu, .85 oz. Ag and .045 oz. Au. Including the low grade material between the two branches the average assay across the whole width is 1.50% Cu. This orebody has a rake to the south and may well be the top of an important ore shoot. The mineralization is strong and contains considerable bornite.

The 900 level north under a surface drill hole which showed fair mineralization has been cross-cut by a diamond drill hole which showed 16 feet horizontal width of 3.55% Cu. A crosscut was extended to cut this vein at a point approximately 100 feet north of this drill hole. Muck samples from the best point of the vein ran better than 1.50% Cu. Drifting has started north and south along the vein.

The 1200 level north of the central shaft shows ore of unknown width and length, but has the appearance of important mineralization. However, at the time of my visit the drift only averaged 1.00% Cu. A more recent sample showed 1.40% Cu and .025 oz. Au.

Mr. Kelley - 3

Oct. 7, 1940

The 517 fissure is of minor importance as far as future ore is concerned, but should furnish a small tonnage of good grade ore. It has some geologic importance as the ore seems to run in the direction of the 900 south Piute and may in some way be connected with it. The mineralization is strong and consists of chalcopyrite and bornite.

The balance sheet of current assets and liabilities as of July 31, 1940 shows a debit balance of \$416,000, offset partially by \$134,000 in the supply account and \$197,000 in broken ore inventory in stopes. Certain changes were made in the mining practice during our visit which I am confident will allow the Walker to approximately break even during the next four to six months provided copper remains at 12%.

Considering the financial picture, the ore and geologic possibilities, the limited capacity of the Piute shaft, I believe the following plan to be the correct procedure for the Walker Mine, and if it meets with your approval will recommend it to Mr. Elton:

1. Continue operations as at present with the changes made at the mine during our visit.
2. As the Piute shaft is up to capacity the good ore showing on the 900 level south should be developed by driving 1017 drift from the 706 shaft about 800 feet to develop this ore. The results desired can be obtained quicker and cheaper in this manner. This level will cut this ore approximately 280 feet below the 900 level measured along the dip of the vein.
3. Continue exploration of the 900 north Piute to determine the character and extent of this mineralization.
4. Continue the exploration of the 1200 level north of the Central shaft.
5. Some incidental diamond drilling to take the place of cross-cutting in order to speed up this work.
6. If this work is successful in finding commercial ore the Walker Mining Company should be reorganized with enough money to pay its existing debts, equip a proper operating shaft and provide operating capital to continue operations. This has been discussed with Mr. J.O. Elton and I will give you his ideas in regard to future financing on my return to New York.

Mr. Kelley - 4

Oct. 7, 1940

Will you please advise me if these recommendations meet with your approval, sending a copy of your letter to Mr. Elton so that he will be advised as quickly as possible.

Yours very truly,

C. E. Weed.

CWH:H
cc: JPH
RSD
YL

WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

H. M. HARTMANN, MANAGER

October 10, 1940

Mr. Tom Lyon, Chief Geologist
International Smelting & Refining Co.
818 Kearns Building
Salt Lake City, Utah

Devel. Program
Oct. 1940
Walker mine

Dear Tom:

In line with the discussions that took place while you, Mr. Sales, Mr. Weed, and Mr. Dugan were at Walkermine, it is our understanding that the only development work to be carried out is to be that of immediate vital importance.

With the understanding of Mr. Hartmann and Mr. Warren, the following outline was drawn up and future work will conform as nearly to this as practical:

South and Central Orebodies. None.

North Orebody. The 1200 Level will be continued north with enough crosscuts to get a picture of the vein. The heading will cross and follow along the east side of the fault.

712 Orebody. The 300 Level will be driven by connecting along the tops of 497C, 490C, 496C, and 401D raises. This level is necessary for mining the 517 Fissure ore above the 400 Level.

A prospect heading will be driven from the top of 403D Raise to secure waste for filling 405E Stope. This will be driven north and south along the fissure and will be run on ore where possible. Going north the heading will prospect for possible secondary ore over the extreme north section of 712. Going south it will give us information to guide the progress of 405E Stope and determine whether 605E Stope should continue above 560EDS. 403D Raise will advance as the stope goes up.

The 517EDS will be continued south until it is out of ore and the extent of the vein at this particular place is determined, then the 600 Level directly below this will be prospected south so long as the heading runs in stope grade ore.

The 610F will be continued until it connects with 619E crosscut. This is almost completed, then the 600 Level will be in shape for service. 614F Raise will be driven with branches to connect with 581B and 578B Raises, and 615F Raise will be driven from 609FDS to connect with the extension of 560EDS, providing the ore continues this high. The shape of the ore will determine the connection with 560B. 614F will prospect the vein and act as an ore pass. 615F will service 605E Stope and will give information about the vein. It will be turned according to ore outline.

The 711EDN will be driven about 90 feet more to allow for a connecting raise to 614F Raise, and 715F Raise will be continued to connect with 697E raise. (697E

October 10, 1940

runs from the south end of the 600 Level to the south end of 517BDS) The 716E Raise will be completed to 609FDS and to connect with 613F Raise. This will prospect the vein under 609F and will also act as an ore pass for 605E Stope.

The 1071BDN has been stopped and 1017B is being driven to connect with the Piute Orebody. The present face of 1017B is 19 feet higher than the elevation at the Piute Shaft and 15 feet higher than the present south end of the Piute Level. (track elevations). Short crosscuts will be put into the footwall at various intervals to allow for car sidings and for diamond drill stations to prospect for 712 mineralization.

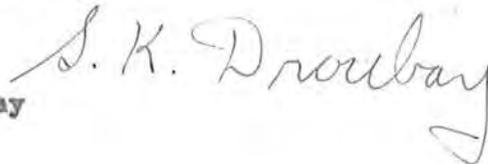
Piute Orebody. 934CDN and S will be extended along the mineralization cut in the end of 932CxcE with crosscuts to the footwall and hanging wall about every 75 feet or often enough to keep a good picture of the vein. Diamond drill hole No. 54 that was drilled to cut any extension of ore back from holes No. 49 and 50 was a blank so we must extend 934CDS rather than try to come in along the vein farther south.

The 903BDS will be extended so long as any ore can be followed with enough crosscutting to keep track of the vein.

In all cases where practical diamond drilling will be substituted for drifts to avoid breaking waste.

This program covers all development which is at present both important and necessary and no additions, excepting headings necessary for stoping, will be made unless ordered or approved by you, Mr. Sales, Mr. Weed, and Mr. Dugan.

Very truly yours,



S. K. Droubay

SKD:SW

cc - Mr. Sales ✓
Mr. Weed
Mr. Dugan

San Francisco
October 12, 1940

Mr. J. R. Hobbins
25 Broadway
New York, N. Y.

Walker

Dear Mr. Hobbins:

Your letter of September 27 has been late in reaching me.

Mr. Weed and I were in full agreement as to a program for the Walker Mine. He said he would write you fully outlining our ideas. I assume that his letter is in your hands by this time.

We both are of the opinion that the newer ore development on the 900 Piute North, and on the 900 Piute South, should be prospected at deeper levels. My recollection is that three or four months will be required to crosscut the South Piute ore at the 1000 level.

The 1200 level showing thus far is disappointing. Three or four hundred feet more of drifting at this level should tell us whether the North ore body is improving with depth.

If I get a copy of Mr. Weed's letter in the near future, I will write you further. I am returning to Copper Canyon Monday, where I expect to remain for a week or ten days.

Yours very truly,

Paul H. Sales

CC-C.F.K.
C.E.W.

October 29, 1940.

Mr. John F. Dugan,
818 Kearns Bldg.,
Salt Lake City, Utah.

Re: Walker Mine,
Plumas Co., Calif.

Dear Jack:

I was glad to get your memoranda covering developments on the Walker.

I saw Droubay at Idaho Falls and discussed Walker sampling. After seeing Chamberlain's sketch of that 900 South Drift on the Piute high grade streak, I again urge that more attention be paid to following ore when you have it. I see no excuse whatsoever for running a drift off into the west in the footwall, when you are following a clearly defined high grade streak of ore.

I am still of the opinion that one of Walker's greatest needs is to apply sampling methods to prevent the everlasting breaking of dead waste, especially with low grade ore and such limited hoisting capacity as exists in the Piute section.

I arrived in Butte on Sunday, and I am glad to say that my cold is practically over.

With best regards, I am

Sincerely yours,

RHS:KM
cc: Mr. C. E. W.

RENO H. SALES

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Calif

November 13, 1940

Mr. S. K. Droubay,
Walkermine, Calif.

Re: Walker Mining Co.,
Plumas Co., Calif.

Dear Droubay:

I have in hand copies of your letters and maps forwarded to Tom Lyon on November 7th.

I am pleased to note your recommendation for more sampling at the Walker. This will be an important step and it will be the means of preventing the breakage of a lot of waste.

The 1200 level development is not encouraging. I am glad to see the good use you are making of the diamond drill in prospecting laterally from your drift faces as they advance. I agree that a little care and attention is required to keep these drill holes from going farther than necessary.

Do not forget your promise to send me a small collection of ore specimens showing mineral relationship. I am particularly anxious for a good specimen or two illustrating the occurrence of barite, garnet, and chalcopyrite. Do not be disturbed about the size of a good specimen. I want something showing these later veinlets cutting old vein material. My recollection is that many of the veinlets are composed of barite, garnet, chalcopyrite and possibly magnetite.

Yours very truly,

RHS:KM
cc: Messrs. C.E.W.
T.L.
J.F.D.

RENO H. SALES

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November 27, 1940

Mr. S. K. Droubay
Walker Mining Company
Walkermine, California

WALKER MINE

Dear Red:

I am in receipt of your letter of November 25 together with the accompanying maps.

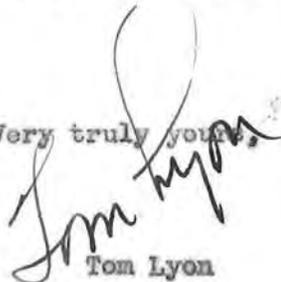
Mr. Sales is in town and we have considered the suggestions you have made.

Regarding the proposed drill holes from 1017, we feel that it is too soon to spot the drill holes which you have suggested and we would like to have the 1017 completed before any further drilling is done. By deferring the drilling until after 1017 is completed, we may decide on a different location for the holes.

Regarding the 1201 drift north, we feel that this drift should be run through No. 2 fault and turned nearly due north in good ground and extended for about 150 feet from the present face. We can then put in a couple of more holes to the hanging wall to prospect the vein. The drift itself should be run on the assumption that the 1017 cuts the Piute ore body, in which case it will probably be necessary to continue the 1200 out beneath 1017. If we do not receive any encouragement from the next 150 feet of drift, together with a couple of drill holes, we will probably suspend this operation.

Kindest personal regards,

Very truly yours,



Tom Lyon

TL:P

cc: Messrs: R. H. Sales ✓
C. E. Weed
J. F. Dugan

ANACONDA COPPER MINING COMPANY

25 BROADWAY

NEW YORK

OFFICE OF THE
GENERAL MANAGER OF MINES

November 29, 1940.

AIR MAIL

Mr. Tom Lyon, Chief Geologist,
International Smelting & Refining Co.,
818 Kearns Building,
Salt Lake City, Utah.

Dear Tom:

Today, I received a copy of Droubay's letter of November 25th together with certain sketches and maps of the Walker Mining Company concerning development. I note that Droubay shows two proposed drill holes to the west from some point along 1017DN. Undoubtedly, one of these drill holes looks like a reasonable prospect in looking for the continuation of the 712. However, this drift is being driven to get under the 900 south Piute, as I feel that this has more prospects than the 712 country. For this reason, I do not feel that this drift should be held up in any way by prospecting for the 712 orebody. If a hole can be drilled and not hold up 1017, and you consider a hole necessary, I would not object to it.

I wish to make the following suggestion. At some point at about 18400 coordinate, we should cut a diamond drill station to the east of 1017 and drill a hole straight east along 18400 coordinate. It seems to me there is a good possibility of the 900 South orebody pitching strongly to the south and at this point a hole might intersect it. If this were true, 1017DN should be turned north straight east and reach the ore as quickly as possible.

I would be very interested in hearing your reaction to this line of development.

I note Droubay states that 1201DN looks pretty sad. I would have no objection to having 1201DN stopped if Sales and you consider the possibilities are rather limited. I am certain, on account of the faults that I saw while I was at Walker, that it would be almost impossible to mine this ore without considerable dilution.

Referring to the ore being developed in 934 north Piute, I am wondering how we are going to test the possible downward extension of this ore. So far, I have not received any information in regard to the dip of the vein, but, I assume that it is probably dipping at 30°, the same as the ore body south of the shaft. To extend 1017 drift over this point would involve

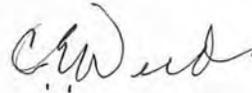
Mr. Tom Lyon - 2.

11/29/40

approximately 2,000 feet of drifting from the South ore body over, which would be a long and expensive job. It might be advisable to consider the possibility of driving a crosscut in the hanging wall at some point to be determined in the near future and drilling some vertical holes below. Even this would require quite a long crosscut if the vein is as flat as 30°.

I would appreciate your ideas on the possibilities of determining this ore at depth. I have a feeling that we are probably close to the top of an ore body which may become much larger on the levels below.

Yours very truly,



CEW:F

CC: Mr. R. H. Sales. ✓

Mr. J. F. Dugan.

ANACONDA COPPER MINING COMPANY

25 BROADWAY

NEW YORK

OFFICE OF THE
GENERAL MANAGER OF MINES

December 16, 1940.

AIR MAIL

Mr. Tom Lyon, Chief Geologist,
International Smelting & Refining Co.,
Kearns Building,
Salt Lake City, Utah.

Dear Tom:

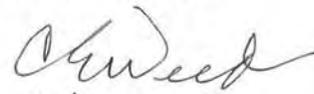
Apparently my letter of November 29th regarding Walker development was written prior to the receipt of your letter of November 27th on the same subject. We both agree that 1017 was looking for the downward extension of the 900 south Piute and, therefore, no time should be wasted looking for the 712 ore body.

It makes no particular difference to me whether the hole drilled east from 1017 is drilled at 18,400 coordinate or at 18,500 coordinate. I think you are correct in stating that there would be more chance of striking the ore body at 18,500 than there would at 18,400. When this hole is drilled, and if it should strike ore, the 1017 drift should immediately be made into a crosscut allowing a reasonable curve for hauling in order to get into the mineralization as rapidly as possible.

In regard to 934 North Piute, I would like to discuss this matter with Mr. Sales who is due here tomorrow before I say anything further about it.

With kind personal regards, I am

Sincerely yours,



CEW:F
CC: Mr. R. H. Sales. ✓
Mr. J. F. Dagan.

ANACONDA COPPER MINING COMPANY

Butte, Montana

Geological Department

RENO H. SALES, Chief Geologist

M. H. GIDEL, Asst. Chief Geologist



December 18, 1940.

AIR MAIL

Mr. Tom Lyon,
818 Kearns Building,
Salt Lake City, Utah.

Dear Tom:

I have discussed the 1000 level Walker development with Weed. We think a turn-out should be made to the south at "A" in accompanying sketch. This point is approximately at coordinate 18300. From this turn-out diamond drill holes to be extended approximately as indicated.

The purpose is to determine if the vein contains ore southerly from where 1017 would normally intersect the fissure. If drill hole #1 should get ore, 1017 should be turned to the right to avoid as much cross-cutting in waste as possible.

If drill hole #1 should get ore, then we think it would be well to drill #2.

There is no advantage in doing this work unless it can be done soon, in order that we can save as much crosscutting as possible. I understand a car turn-out is needed at about point "A".

Yours very truly,

RENO H. SALES

Enc.

RHS:aw

CC: C. E. Weed
J. F. Dugan
H. M. Hartmann

December 20, 1940

Wacher

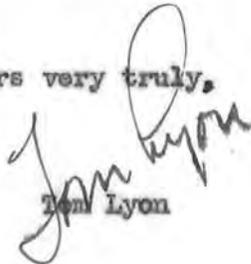
Mr. S. K. Droubay
Walker Mining Company
Walkermine, California

Dear Red:

I am in receipt of an air mail letter from Mr. Sales,
dated December 18, a copy of which has been sent to Mr. Hartmann.

This letter contains instructions as to diamond drilling
on the 1000 level. Will you please see that this work is done
according to the wishes of Mr. Sales and Mr. Weed.

Yours very truly,



Tom Lyon

TL:P
cc: Messrs: R. H. Sales ✓
C. E. Weed
J. F. Dugan
H. M. Hartmann

ANACONDA COPPER MINING COMPANY
25 Broadway, New York

New York, N. Y.
December 27, 1940.

Mr. Tom Lyon,
818 Kearns Building,
Salt Lake City, Utah.

Dear Tom:

Please refer to the map accompanying Droubay's letter of December 20th. The way his geological sketch is drawn, it looks as if the drift going southerly had turned too far to the left and had gotten out of the main footwall ore streak. If this be true, a crosscut should be turned to the right at the last survey station point.

Regarding suggested development work on the 300 and 400 levels. There is no doubt about the need for a connection on the 400 level. Possibly the 300 should wait until it is pretty definitely shown that the 500 ore extends upward beyond the 400.

Yours very truly,

RENO H. SALES

RHS:F

CC: Mr. C. E. Weed.
Mr. J. F. Dugan.
Mr. S. K. Droubay.

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WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

December 28, 1940

H. M. HARTMANN, MANAGER

Mr. Tom Lyon, Chief Geologist
International Smelting & Refining Co.
818 Kearns Building
Salt Lake City, Utah

Dear Tom:

Referring to your letter of December 20th and your wire of December 23rd, I would like to make the following explanations:

Diamond Drill Holes Nos. 70, 71 and 72 were completed by the time I received your letter, and as soon as No. 73, the N 50 degree E Hole is drilled, (the one Mr. Sales has requested), we expect to turn the heading into the ore and follow along it. The new hole will give us information ahead of the face and to a certain extent, determine the direction of drifting.

With regards to extending crosscuts to ore limits, or to structural objectives such as you mentioned in your letter, by asking that 936CxcE be extended to the fault, I would like very much to see this done. However, this presents operating difficulties by making it necessary to put in extra switches and track, and in the case of 936C, it meant handling waste, so we have been utilizing the short Diamond Drill holes. In order to keep moving ahead, the crosscuts have been extended just far enough to accommodate a Diamond Drill.

I suppose that since Hole No. 70 is already drilled, it will not be necessary to extend 936CxcW to the footwall fault. If however, you feel that future crosscuts should be extended until they are through the ore, please let me know and I can request that these are not to be stopped until the vein is completely cut.

Surface Diamond Drilling has been at a standstill for about two weeks. One gang of drillers were discharged and heavy storms have prevented the next crew from getting started. The two rigs are fairly well housed in, but there is over four feet of snow in places and it will be difficult to transport gasoline and core, back and forth. Hole No. 51 was drilled to the contact at 750 feet, but contains a broken casing that cannot be passed as yet. Hole No. 57 is 500 feet further North than No. 51, (about 1400 feet North of the present 934CDN heading) and has advanced 708 feet. It should be right at the contact of the lava for the collar is about 40 feet lower than the collar of No. 51. If the present storm blows over, work may be continued so long as we have good weather. However, much more snow will make it necessary to stop drilling until spring.

Very truly yours,

S. K. Droubay

S. K. Droubay

SKD:DM

cc - Mr. Sales
Mr. Weed
Mr. Dugan

Hole # 73 cut 23' ore 17' - 40'

ANACONDA COPPER MINING COMPANY

25 Broadway, New York

New York, N. Y.
January 9, 1941.

AIR MAIL

Mr. S. K. Droubay,
Walkerville, California.

Dear Droubay:

This will acknowledge receipt of your letter of December 31st, together with maps showing portions of the 10th and 12th levels.

Regarding Lyon's letter of November 27th, I recall that in my discussion with Tom our plan was to keep 1201 drift straight as long as we had no ore but to supplement the drift advance with drill holes into the vein, the idea being to get back on the vein any time we found ore.

It has been my most earnest belief in connection with Walker development that, wherever possible, raises and drifts should be driven in ore or at least upon the vein, of whatever grade. In this connection, I am wondering why 1201 turned away from the vein at or about the 16000 coordinate. My recollection of my talk with Lyon was that we did not want to stop 1201 until it had been extended at least as far as there is any ore showing on the 10th level.

If I have not made myself clear in the past, I will do so now and advise that development faces be kept in the vein as far as possible in order that the amount of waste broken be kept at a minimum. Of course, there are occasions where speed is the most important factor and, in such instances, it may be advisable to run laterals with the use of crosscuts or diamond drill holes to determine the position and grade of the vein itself.

Incidentally, we have had no word as to how you are taking care of the situation at the north face of 934C drift north on the Piute vein. Here is a place where Mr. Weed and I think it important to keep in the vein and avoid breaking waste, if possible. However, that is the mine management's job, to develop the vein and at the same time have a satisfactory haulage way.

Yours very truly,

RENO H. SALES

RHS:F

CC: Messrs. Weed, Dugan, Lyon,
& Hartmann.

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WALKER MINING COMPANY**WALKERMINE****PLUMAS COUNTY, CALIFORNIA**

January 15, 1941

H. M. HARTMANN, MANAGER

Mr. Reno H. Sales, Chief Geologist
Anaconda Copper Mining Company
Hennessy Building
Butte, Montana

Dear Mr. Sales:

Please find enclosed, sketches of the 900 Level, North Piute Heading and of 1201DN, which I trust, will answer your inquiry of January 9, 1941.

For the time being, we are following out along the vein in the North Piute Heading, but from the looks of things, it is going to pinch. Shall we attempt to continue North along stringers, such as the one shown in Hole No. 71, if the vein dies out, or should we drop back and drive out along the original lines of 934CDN. This latter course is favored by the Operating Department, because the advance is much more rapid.

In regards to 1201DN running off the vein at co-ordinate 16,000, an attempt was made to drive the drift on lines in solid ground because the hanging wall fault caved into the drift when the narrow streak of ore was followed. The heading was advanced before 1209 or 1210 crosscuts were driven, and it was supposed that ore streaks continued in the footwall, as indicated just ahead of 1208 crosscut west. However, it would help if these crosscuts were driven as we advance and not saved up until the heading is in a convenient stage for delay.

A short crosscut east has just been started from the present face of 1201, which will be extended through the fault, in anticipation of finding ore here, the same as on the 1000 Level. If waste is encountered, a 50 foot drill hole will be extended, and operations stopped until you direct us as to what should be done.

An attempt is being made to advance Surface Drill Hole No. 57, but they are not gaining much headway. The bottom is still at 715 feet and just about to the contact.

Respectfully yours,

S. K. Droubay
S. K. Droubay

SKD:DM

cc - Mr. Lyon
Mr. Dugan
Mr. Weed

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This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

Prosecution Year Exhibit 1 - Page 542

1201

SYMBOLS

DL=Day Letter

NT=Overnight Telegram

LC=Deferred Cable

NLT=Cable Night Letter

Ship Radiogram

R. B. WHITE
PRESIDENTNEWCOMB CARLTON
CHAIRMAN OF THE BOARDJ. G. WILLEVER
FIRST VICE-PRESIDENT

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FV70 40 NT=WALKERMINE CALIF 19

REND H SALES,CARE ANACONDA COPPER MINING CO= 1941 JAN 19 PM 4 15

25 BROADWAY NYK=

HOLE 76 IN 38 FEET EAST FROM 1201 FACE BARREN SCHIST WILL
CONTINUE TO FIFTY ADVISE WHAT TO DO STOP HOLE 74 IN 172 FEET
NORTH 80 DEGREES EAST FROM CROSSCUT AT FACE 1017 CROSSING
CLAY GOUGES NO MINERAL YET=

S K DROUBAY.

76 38 1201 74 172 80 1017...

INTERNATIONAL SMELTING AND REFINING COMPANY

Kearns Building, Salt Lake City, Utah

TOM LYON
GEOLOGICAL DEPARTMENT



January 20, 1941

AIR MAIL

Mr. Reno H. Sales
Room 1726, 25 Broadway
New York City, N. Y.

WALKER MINE

Dear Reno:

I have just received the following telegram from

Droubay:

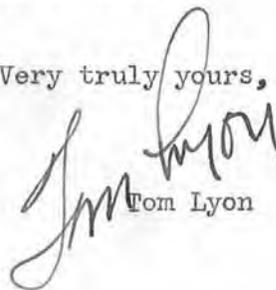
"HOLE NO. 76 IS IN 38 FEET EAST FROM THE
FACE OF 1201 DRIFT NORTH IN BARREN
SCHIST."

Droubay is asking for instructions as to how to proceed.

I am wiring Droubay today to stop the work in 1201 as I do not believe it is advisable to continue the drift at this time.

In case you do not agree regarding the stopping of this work, please let me know at once.

Very truly yours,



Tom Lyon

TL:P
cc: Mr. C. E. Weed

Charge to the account of

\$

CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	ORDINARY
DAY LETTER	<input checked="" type="checkbox"/> URGENT RATE
NIGHT LETTER	DEFERRED
SPECIAL SERVICE	NIGHT LETTER
	SHIP RADIOGRAM

Patrons should check class of service desired; otherwise the message will be transmitted as a telegram or ordinary cablegram.

WESTERN UNION

1206-B

R. B. WHITE
PRESIDENTNEWCOMB CARLTON
CHAIRMAN OF THE BOARDJ. C. WILLEVER
FIRST VICE-PRESIDENT

CHECK
ACCOUNTING INFORMATION
TIME FILED

Send the following message, subject to the terms on back hereof, which are hereby agreed to

January 20, 1941.

S. K. Droubay
Walkermine, California
via Spring Garden

Your telegram nineteenth. Drill west fifty feet face twelve hundred one and if nothing found extend main drift additional hundred feet. Hole seventy-four should go to three hundred feet provided no ore is disclosed at less distance. Continue nine thirty four Piute same course in event ore pinches.

RENO H. SALES

ANACONDA COPPER MINING COMPANY

25 Broadway, New York

New York, New York,
January 20, 1941.

AIR MAIL

Mr. S. K. Droubay,
Walkermines, California.

Dear Droubay:

Wired you this morning, day letter, as follows:

"Your telegram nineteenth. Drill west fifty feet face twelve hundred one and if nothing found extend main drift additional hundred feet. Hole seventy-four should go to three hundred feet provided no ore is disclosed at less distance. Continue nine thirty four Piute same course in event ore pinches."

In my reference there to 934 Piute, I do not know whether you gave the working opposite 936C a new number or continued it as #934C. I had assumed that it would have a new number. In any case, in the above telegram, it is meant that 934C should be continued from crosscut 936C northerly on its original course. It is evident that to try to follow the ore from hole 73 to hole 71 would result in a very crooked drift. If, however, drifting from drill hole 73 should prove that the ore definitely continues more or less parallel to drill hole 71, even at reduced width, I think we should follow it.

As to drift 1201, we think we should take another look at 100' farther. I will leave it to yourselves as to whether the drift goes along the fault or drops off into the footwall. At 100 feet, we should drill again into the foot and hanging, and then, in the event no ore is found, this level should be temporarily abandoned as far as prospecting is concerned.

If farther extension of diamond drill hole #74 finds no ore, we think 1017 should be continued until it intersects the Piute fissure without further consideration as to drilling.

Yours very truly,

RENO H. SALES

RHS:aw

CC: Mr. C. E. Weed
Mr. Tom Lyon
Mr. J. F. Dugan
Mr. H. M. Hartmann

INTERNATIONAL SMELTING AND REFINING COMPANY

MINING DEPARTMENT

818 KEARNS BUILDING

SALT LAKE CITY, UTAH

SUBJECT: January 20, 1941

Mr. C. E. Weed, General Manager of Mines,
Anaconda Copper Mining Company,
25 Broadway, New York City.

Dear Sir:

I received a copy of Mr. Sales' letter of January 9th to Droubay concerning Walker mine development, in which he states:

"It has been my most earnest belief in connection with Walker development that, wherever possible, raises and drifts should be driven in ore or at least upon the vein, of whatever grade. In this connection I am wondering why 1201 turned away from the vein at or about the 16000 coordinate. My recollection of my talk with Lyon was that we did not want to stop 1201 until it had been extended at least as far as there is any ore showing on the 10th level."

During my last visit to Walker I went over very thoroughly with Hartmann, Warren and Droubay the development program, and they were given explicit instructions to follow the ore in every instance, and to break the least possible waste. We had a pretty thorough understanding on this point.

There have been a few cases like 903DS Piute where the miners did not follow the ore for a couple of rounds, but the shift boss was directly to blame for not following the work more closely. I do not think this will happen again.

After reading Mr. Sales' letter, I called Hartmann on the 'phone, and attached is a copy of letter which I received from him which is self-explanatory. Please note his comments concerning the 1201DN.

I know Warren and Hartmann are doing everything they can to keep the development going in the proper manner.

Yours very truly,

John F. Dugan
John F. Dugan.

FGC:H
Enc. ✓
cc:Mr. Sales

WALKER MINING COMPANY

WALKERMINE
PLUMAS COUNTY, CALIFORNIA

January 20, 1941

H. M. HARTMANN, MANAGER

Mr. Tom Lyon Chief Geologist
International Smelting & Refining Company
818 Kearns Building
Salt Lake City, Utah

Dear Tom:

In answer to your request of January 9th, as to the total number of feet of Development work, drifts, raises and crosscuts, driven during the Year 1940, together with a short report on the results obtained, I submit the following report:

Summary of Heading Progress for Mining Development

<u>Mining Development</u>	<u>New Portal</u>	<u>Central</u>	<u>North</u>	<u>718</u>	<u>Plute</u>	<u>Total</u>
Drifts	49	45	75	58		225
Crosscuts		76	75			149
Raises		413	464	698	661	2,221
Total	49	532	612	741	661	2,595
<u>Prospecting Development</u>						
Drifts		717	1,024	3,744	1,488	6,973
Crosscuts		20	260	1,546	486	2,512
Raises		192	418½	2,215	44	2,869½
Total		929	1,702½	7,505	2,018	12,154½
GRAND TOTAL	49	1,461	2,514½	8,246	2,679	14,749½

SOUTH OREBODY

A new Portal was started to replace the first 600 to 1100 feet of the old one, where the timber and ditch is in extremely bad condition for Spring high water. It is temporarily stopped.

CENTRAL OREBODY

A substantial footage of drifts, raises and crosscuts were driven, in an attempt to develop a commercial body of ore in the 720 Block, just North of the Central Shaft. This proved to be too low grade and the ore was written off the Reserves.

Mr. Tom Lyon - Sheet 2.

Mining Development was carried out to facilitate mining the 880 and the 1080A Blocks, and the sub-level, 1066BDN, was extended North under the 1080A Block.

The Main 1200 Level was extended to a point about 200 feet South of the Shaft and North into the North Orebody vein. Several crosscuts and drill holes were extended, but no ore was located.

NORTH OREBODY

Numerous raises, stopes, drifts and crosscuts were driven to determine vein conditions, or to facilitate mining, in connection with 420B, 920, 930, 940 and 1020 Ore Blocks. A fair tonnage of additional Recoverable Ore was developed in the 1020 Block, by driving 1062B Raise.

The most extensive work was done along the 1200 Level, where the majority of the vein has been opened. It may be too badly broken with faulting for economical mining. Numerous crosscuts and short Diamond Drill holes, in conjunction with the Main 1201 North heading, have exposed the vein quite thoroughly.

712 OREBODY

Development work has been quite active in this Orebody, and has resulted in blocking out 102,025 tons of additional Recoverable Ore above the 700 Level. Most of this occurred along the footwall vein, where drifts and crosscuts were driven along the 300, 400, 500, 600, and 700 Levels, with numerous connecting raises driven at various intervals to prospect the vein and to act as service and transfer raises. The 700 Haulage Level has been extended into this country, and it should start yielding a substantial daily tonnage of ore in the near future.

The southerly extension of upper levels have not been explored as yet, and it is likely that additional ore will be developed above the 517D Block.

Development work has also developed ore immediately in the footwall of 605#3 and 605B Stopes, also above the 400 Level along the extreme North end of the footwall vein.

Exploration along the 700 and 1000 Levels, proved that the footwall vein is too poor to mine between these Levels and made it necessary to write off nearly 150,000 tons of low grade, Possible Ore.

709E Winze was driven 72 feet down the Main 712 vein, below the 700 Level, to test the condition of the ore. The vein has almost pinched in the bottom of the Winze, but it may have passed through the ore as it rakes to the North with a discus-like cut-off. Drifting to the North will give this information. With the exception of a few fair stringers near the present face of 1017DN, none of the vein has extended to the 1000 Level.

PIUTE OREBODY

Piute exploration work was confined to the 900 Level, where new ore was developed in the South end, and a new detached block of ore was opened up, several hundred feet to the North of Piute.

Mr. Tom Lyon - Sheet 3.

Work South, along the 900 Level, has opened up what appears to be the main ore-shoot, along which Piute mineralizing fluids advanced. The shoot is at least 500 feet long, with a maximum thickness of 70 feet near the middle portion, and a taper toward each end. There is a distinct pinch on the North end, but the South end is not yet fully explored. Crosscuts, raises and short Diamond Drill holes have thoroughly exposed the ore and it should produce at a grade a little better than 1.5% cu. From all indications, this shoot should extend to the 1000 Level, where 1017DN is being driven rapidly as possible to explore it.

The North Piute heading was driven out to explore the mineralized zone that was indicated by Surface Diamond Drill Hole No. 21. Several hundred feet of vein has been developed along the Level, but the full extent of ore is unknown. The present ore-shoot seems to be pinching to the Northeast, but further development may expose additional ore to the North.

The ore out here is higher in grade than the average for Piute, with zones that run up to 5.0% cu. These zones occur where the vein is distinctly chloritic and schistose. Other parts of the vein are solid with quartz and run about 2.0% cu.

It is known that the sub-surface is about 400 feet up the dip of the vein, so the vein should be leached near the 800 Level.

Crosscuts and short drill holes have exposed several hundred feet of mineralization, which should average at least 2.3% cu. No development up or down the vein, has been started.

I trust that this report is complete enough to serve your purpose. If desired, a more complete summary of the Development table may be obtained from the Manager's Report, which is being mailed to Mr. Dugan.

Very truly yours,

S. K. Droubay
S. K. Droubay

SRD:DM

ANACONDA COPPER MINING COMPANY

25 BROADWAY

NEW YORK

OFFICE OF THE
GENERAL MANAGER OF MINES

January 22, 1941.

Mr. J. F. Dugan, Gen. Supt. of Mines,
International Smelting & Refining Co.,
Kearns Building,
Salt Lake City, Utah.

Dear Jack:

This will acknowledge receipt of your letter
of January 20th, in which you discuss Mr. Sales' letter of
January 9th, concerning Walker Mine developments.

I am very much pleased to see Mr. Hartmann,
Mr. Droubay, and Mr. Warren taking an active interest in keep-
ing our drifts in ore as much as possible. I am certain that
ultimately this will produce good results for the Walker Mining
Company.

With kind personal regards, I am

Sincerely yours,

C. E. Weed
C. E. WEED

CEW:F

CC: Mr. R. H. Sales. ✓

ANACONDA COPPER MINING COMPANY
25 Broadway, New York

New York, New York,
January 23, 1941.

Walkermines

Mr. Tom Lyon,
820 Kearns Building,
Salt Lake City, Utah.

Dear Tom:

Concerning Droubay's telegram
quoted in your letter of January 20th, you no doubt
have received by this time copies of my wire and
letter of January 20th to Droubay. In his wire to
me, he asked for definite instructions.

Yours very truly,

RENO H. SALES

RHS:aw

WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

February 1, 1941

H. M. HARTMANN, MANAGER

Mr. John F. Dugan, Gen. Supt. of Mines
International Smelting & Refining Company
818 Kearns Building
Salt Lake City, Utah

Dear Mr. Dugan:

Mr. Warren is quite anxious to get permission to do the work as indicated by the accompanying sketch. He will have crews available within a few days and feels that this set-up will complete work necessary for full production of the footwall vein.

At one time, Mr. Sales was interested in opening up the 600 sub-level mineralization, which has always been too isolated for hand tramming. Part of 711E and the necessary raise, may possibly be driven along this mineralized streak.

We have gone over this with Mr. Hartmann and he will no doubt discuss the matter with you in the immediate future.

Very truly yours,

S. K. Droubay

S. K. Droubay

SKD:DM
Encl. 1

cc - Mr. Sales
Mr. Weed
Mr. Lyon

P.S. Split core assays of the 13 feet of glassy vein from Hole No. 75, on the 1000 Level, testing the southerly extension of Piute, ran:

273 - 280	2.35% cu	0.530 oz. Ag	0.05 oz. Au
280 - 286	2.95% cu	1.296 oz. Ag	0.08 oz. Au

ANACONDA COPPER MINING COMPANY
25 Broadway, New York

New York, New York,
February 3, 1941.

Mr. C. E. Weed,
General Manager of Mines,
Anaconda Copper Mining Company,
Building.

Dear Clyde:

I am in receipt of a copy of Droubay's letter of February 1, to which is attached a sketch showing proposed development from 711E drift extended upward to drift 517B.

This, of course, is a dollar and cents mining proposition - that is whether any money can be saved to the operation by the proposed development. I notice, however, that Droubay mentions a proposal made by me some time ago that we extend a drift from the sixth level to develop the vein below 517B. One of the reasons for this suggested drift was to carry the development of the 517 vein downward so that we would be able to know its approximate position at the 700. It is my impression that not enough development work has been done to make a definite correlation from the fifth level to the seventh level. Naturally, this is an important feature with respect to the proposed development.

It is quite necessary therefore, to accomplish the objectives noted in Droubay's letter, that the raise start on the 517 vein. If Droubay feels he can pick the vein out at the seventh so that the raise will follow it continuously to the 515, I would consider it good development work; on the theory, of course, that minable ore will extend to some distance at least below the 517. My offhand judgment would be that the proposed work isn't justified from the viewpoint of costs unless there is a good probability of developing a substantial tonnage below the 500.

Yours very truly,

R. H. SALES

RHS:aw

3 extra copies to Mr. Weed

ANACONDA COPPER MINING COMPANY

25 BROADWAY

NEW YORK

OFFICE OF THE
GENERAL MANAGER OF MINES

February 5, 1941.

AIR MAIL

Mr. J. F. Dugan, Gen. Supt. of Mines,
International Smelting & Refining Co.
Kearns Building,
Salt Lake City, Utah.

Dear Jack:

Referring to Mr. Droubay's letter of February 1st, to which he attached a sketch showing proposed development from 711E drift extending upward to 517B.

Attached, you will find two copies of a letter from Mr. Sales to me commenting on this development. Sales does not seem to feel that there is much prospect of developing ore in this raise unless the 517 vein can be identified on the 700 level. I concur in Mr. Sales' opinion.

The matter of driving the 711 drift and the raising above it to take care of 30,000 tons of ore is a matter of calculation of the cost of doing the work compared to hand tramping the material on the 517 level. This cost can be worked out accurately at the mine. Offhand, it looks as though it would be cheaper to hand tram it if this is all the ore that occurs. On the other hand, if 517 fissure can be identified on the 600 level, it might be well to start a raise from the 600 level to see if you develop any more ore below the good showing on the 500. If you found an additional tonnage, you could use this in your figures instead of the 30,000 tons now estimated above the 500 level. In this case, you might be able to justify the work from 711E drift to 517B.

It seems advisable to me to try the 600 raise first to see what additional tonnage could be developed before doing any work on the 700.

Yours very truly,


C. E. WEED

CEW:F

Enc.

CC: Mr. Reno H. Sales.

WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

February 7, 1941

H. M. HARTMANN, MANAGER

Mr. Reno H. Sales, Chief Geologist
 Anaconda Copper Mining Company
 25 Broadway
 New York City, New York

Dear Mr. Sales:

In line with the recent discussion concerning the North Piute Orebody, I have prepared the enclosed sketches to show the relationship between the ore and the sub-surface. The section through Drill Hole No. 21, indicates that the sub-surface would be 70 feet vertically above the 800 Level if it were to be extended out this far. This should be very near the bottom of the leached zone.

Diamond Drill Hole No. 79 into the hanging wall from the face of the 1200 Level, cut a fairly well mineralized zone up to 25 feet. The rest of the hole was in garnetiferous schist. Although some streaks look pretty good, the entire 30 feet will not average over 1.0% cu. The Drill Hole mineralization seems to be away from the broken zone and some streaks appear better than anything we have been drifting along for the last 100 feet. It is now a question as to whether this is worthwhile prospecting, before abandoning the Level.

Will you please wire if you think 1201 should be continued further.

Respectfully yours,

S. K. Droubay
 S. K. Droubay

SKD:DM
 Encl.

cc - Mr. Lyon ✓
 Mr. Weed
 Mr. Dugan

P.S. Sludge samples Hole No. 78 -	0 - 10	0.45% Cu.
	10 - 20	1.80% Cu.
	20 - 30	0.70% Cu.

Will assay total core.

ANACONDA COPPER MINING COMPANY

25 Broadway

New York

OFFICE OF THE
GENERAL MANAGER OF MINES

February 10, 1941.

AIR MAIL

Mr. Reno H. Sales, Chief Geologist,
Anaconda Copper Mining Company,
818 Kearns Building,
Salt Lake City, Utah.

Dear Reno:

Today, I received a copy of a letter addressed to you dated February 7th, from S. K. Droubay of Walker. He states that they have found about 10 feet of fair looking ore in the hangingwall of the 1200 level in drill hole #78. I believe we should crosscut this before stopping work on the 1200 level as it is only 10 feet in the drill hole. If it looks worthy of drifting, it might be advisable to drift on it for a short distance to see if the showing is of any importance. You will have an opportunity to discuss this with Messrs. Lyon and Perry and whatever you decide will be all right with me.

The interesting thing in the mineralization is that it is apparently away from the fault zone.

Yours very truly,


C. E. WEED

CEW:F

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INTERNATIONAL SMELTING AND REFINING COMPANY
MINING DEPARTMENT

818 KEARNS BUILDING

SALT LAKE CITY, UTAH

February 13, 1941

SUBJECT:

Mr. H. M. Hartmann, Manager,
Walker Mine,
Walkermine, Calif.

Dear Henry:

This will confirm our various conversations yesterday concerning 900 North Piute:

Please stop 939C Drift North for the time being, and start a raise from 934C Drift. While driving the raise we will crosscut to the footwall and hanging wall to prospect the mineralization.

Your suggested location just north of 936C Crosscut looks all right. However, it might be a better plan to move it farther south (on the south side of the crosscut) as it looks like the raise will have a better chance of being in ore all the way up.

With reference to the diamond drilling which you contemplate at the end of 939C Drift, Mr. Sales suggests that after finishing the footwall hole, you drill another one north 20° east from the same set-up. This hole should cut the 2' of 2% ore which is indicated in diamond drill hole 71.

My telegram to you this morning covered the above.

As I informed you yesterday, Mr. Sales also wishes to drive south from 932C Crosscut to prospect the mineralization cut in diamond drill hole 49. You can start on this work after the raise is underway.

Please get 903B Drift south started as soon as possible on the footwall ore, and push it.

I realize that starting 946 stall stop, also the other work on the south end has prevented you from getting this drift underway sooner, but I know Mr. Weed is very anxious that we push this 900 south development as rapidly as possible now that the 1000 south

Mr. Hartmann - 2

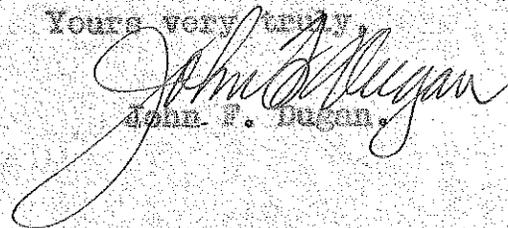
Feb. 13, 1941

development from 1017 drift is beginning to look favorable. So please give it your personal attention and see that the work is kept going and driven as rapidly as possible.

With reference to 1201 Drift North, Mr. Sales wishes us to crosscut to the east following the course of diamond drill hole 78, as indicated on your sketch of December 31, 1940, until we are through the mineralization. If the samples show any promise we shall start drifting north again as this mineralization is on the other side of the fault and might be better ground.

Please have Droubay prepare a geological crosssection through the proposed raise which you wish to drive on 711 Drift east to 517B orebody.

Yours very truly,


John P. Dugan

JFD:H
cc:CEW
RS
TL

INTERNATIONAL SMELTING AND REFINING COMPANY
MINING DEPARTMENT
818 KEARNS BUILDING SALT LAKE CITY, UTAH

SUBJECT: February 13, 1941

Walker

Mr. C. E. Weed, General Manager of Mines,
Anaconda Copper Mining Company,
25 Broadway, New York City.

Dear Sir:

Please refer to my February 10th letter concerning the 900 North Piute development.

Reno arrived yesterday morning, and after a discussion I called Hartmann and told him to stop the North Drift temporarily and start a raise from 934C Drift. He said he would get it underway immediately, and suggested the position of the raise to be north of 936 crosscut, which is 60 feet south of where the ore turned abruptly to the east.

I told Hartmann today that it might be a better plan to move the raise a little farther south, as there might be a better chance of having ore all the way up.

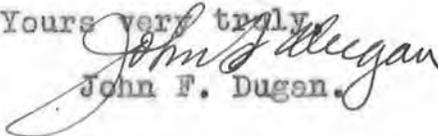
We will also prospect the hanging wall and footwall at intervals as we drive the raise.

We will drill a hole from the end of 939C Drift (approximate course N. 55° West to prospect the footwall). Reno suggests another from the same set-up North 20° East to cut the two foot vein shown in hole 71. This will be drilled as soon as we complete the other one.

I told Hartmann to get 903B Drift started right away, and push it as rapidly as possible. They have been held up on account of getting the stope started and the other work on the south end. However, Hartmann told me yesterday he will start it immediately and push it.

I also told Hartmann to crosscut east on the 1200 level along diamond drill hole 78 to prospect the mineralization shown in the hole. If it looks favorable we will drift north, for, as it is east of the fault it may be in better ground. If it does not look favorable we will stop all work on the 1200 until further orders.

Yours very truly


John F. Dugan.

JFD:H

cc:RS ✓

TL

Salt Lake City, Utah
February 13, 1941

Mr. C. E. Wood, General Manager of Mines
Anaconda Copper Mining Company
Room 1726, 25 Broadway
New York City, N. Y.

WALKER MINE

Dear Clyde:

I have discussed the Walker with Lyon and Dugan. Dugan telephoned Hartmann with respect to the things you and I talked about in New York.

On the 1200, a crosscut will be run following the drill hole near the face. Whether or not we drive on the vein will depend upon its assay and appearance.

Mr. Dugan advises me that he is writing you fully concerning his instructions to Hartmann.

Yours very truly,

RHS:P

Reno H. Sales

cc: Mr. Tom Lyon
Mr. J. F. Dugan

WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

February 25, 1941

H. M. HARTMANN, MANAGER

Mr. Reno H. Sales, Chief Geologist
 Anaconda Copper Mining Company
 Hennessy Building
 Butte, Montana

Dear Mr. Sales:

SUBJECT: Surface Diamond Drill Holes
Nos. 51 and 57. Also 1201DN.

The enclosed are vertical sections through surface Diamond Drill Holes Nos. 51 and 57, which are approximately 750 feet and 1250 feet respectively, ahead of the present 939C Drift North. (My letter to you, dated February 1, 1941, stated Hole No. 51 was 350 feet ahead of the north heading and it should have read 850 feet ahead).

Both holes are now just a few feet into the schist. Hole No. 51 has been blocked with a piece of steel for a considerable period and although the machine is still set-up, there is no one working on the Hole at present. Heavy snow has made bad working conditions, so they are concentrating their efforts on Hole No. 57. It has passed into the schist, but I am afraid they will not be able to get any water return. I think the core recovery will be fairly good, so it will not be so bad if there are no sludge samples.

It looks as though the sub-surface stays fairly level from Surface Hole No. 21 to Hole No. 51, then drops rapidly during the next 500 feet to Hole No. 57. From this, it would appear that 939ODN would pass through the schist into the lava, at a point about 1500 feet ahead of the present face. However, there would be 200 feet of schist vertically over the 900 Level, for at least the next 750 feet, if the heading were extended along its present course.

The sub-surface schist is light gray and micaceous, very similar to some of the fissile zones that have been encountered in the Piute Orebody. It looks surprisingly fresh, for being so close to the contact.

1211x2 was extended 30 feet northeast from the face of 1201 Drift North, to test the mineralization as exposed in the hanging wall drill hole. Nothing but a few fairly rich stringers of quartz and chalcopyrite in crystalline schist were encountered, so the heading has been temporarily abandoned for the time being, as per instructions.

Respectfully yours,

S. K. Droubay
 S. K. Droubay

SKD:DM
 Encl.

cc - Mr. Weed
 Mr. Lyon
 Mr. Dugan

INTERNATIONAL SMELTING AND REFINING COMPANY

Kearns Building, Salt Lake City, Utah



TOM LYON
GEOLOGICAL DEPARTMENT

April 22, 1941

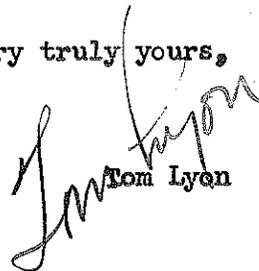
Mr. Reno H. Sales
P. O. Box 457
Butte, Montana

Dear Reno:

Jim Lillie is going to use Droubay as a mine foreman at Battle Mountain. Droubay was in the office yesterday and discussed with me the Walker situation. He is under the impression that Chamberlain can carry on the work without any difficulty. That would be all right except Droubay also told me that Chamberlain had been deferred by the Draft Board at Quincy until May 1. Droubay said that Hartmann was in correspondence with the Draft Board regarding the further deferment of Chamberlain but had to date received no promise as to what they would do.

I heard what Mr. Kelley said regarding the policy of the Company concerning deferment of various men. I believe in the case of Chamberlain we are justified in asking that he be deferred. If the deferment is refused we shall have to have someone at the Walker for that job. What do you suggest?

Very truly yours,


Tom Lyon

TL:P

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INTERNATIONAL SMELTING AND REFINING COMPANY

Kearns Building, Salt Lake City, Utah



TOM LYON
GEOLOGICAL DEPARTMENT

April 24, 1941

Walker

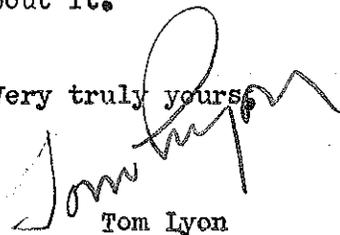
Mr. Reno H. Sales
P. O. Box 457
Butte, Montana

Dear Reno:

I have your letter of April 23 regarding Droubay.

I was very much surprised to receive your letter as I was under the impression that you knew all about the situation as it was apparently decided during the time you and Mr. Weed were here. I did not know about the matter for several days and I have been waiting to hear from you about the situation, because I felt that you knew about the matter and had some plan in mind. I was somewhat perturbed about the matter as I felt that you authorized the change and had said nothing to me about it.

Very truly yours,



Tom Lyon

TL:P

cc: C.F.K.
J.R.H.
D.M.K.
C.E.W.
J.O.E.