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TELEGRAM	CABLE
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SERIAL	DEFERRED
NIGHT LETTER	NIGHT LETTER
SPECIAL SERVICE	SHIP RADIOGRAM

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

# COPY OF WESTERN UNION TELEGRAM

Butte, Montana, August 18, 1939.

John F. Dugan or Bayer,  
Walker Mine, California.

Retel. Sales out of town but as far as I can tell new location for surface hole satisfactory. Upon Sales return will check the matter with him but suggest you make preparations to start hole at the point proposed by you.

C. E. Weed.

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CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	ORDINARY
DAY LETTER	URGENT RATE
SERIAL	DEFERRED
NIGHT LETTER	NIGHT LETTER
SPECIAL SERVICE	SHIP RADIOGRAM

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

# COPY OF WESTERN UNION TELEGRAM

BUTTE, MONTANA, AUGUST 22, 1939.

S. K. DROUBAY,

WALKREMINNE, CALIFORNIA (VIA SPRING GARDEN)

HAVE CONFERRED WITH WEED WE APPROVE NEW LOCATION SUGGESTED IN YOUR LETTER TO  
LYON AUGUST 17TH

RENO H. SALES

Charge A.C.M.Co.  
Geological Dept.  
Butte, Montana.

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## MINING DEPARTMENT

## INTERNATIONAL SMELTING AND REFINING COMPANY

818 KEARNS BUILDING

SALT LAKE CITY, UTAH

SUBJECT:

August 23rd 1939.

Mr. C. E. Weed, General Manager of Mines,  
Anaconda Copper Mining Company,  
Hennessy Building,  
Butte, M O N T A N A.

Dear Sir:

Just returned from Walker and have been discussing the North Piute development with Tom Lyon.

While at Walker I sent you a wire asking permission to move the site of the surface hole further north than the original location, as due to the advance they are making in 904 Drift North it would be into the drill hole before it reached the 900 level. I then received your wire authorizing preparations to start the hole at the point proposed by Bayer, Droubay and myself.

This morning I also received a copy of Sales' letter to Droubay in which he said the location on coordinate 21200 North was satisfactory.

It was my understanding that we were to keep 904 Drift going in connection with the drilling, but to do so we would have had to move the location of the surface drilling further north than originally planned.

I discussed this with Tom Lyon today and he suggests that we stop 904 until we get the hole down and locate the hole 500 feet north of the present breast, which, by the way, is in a good looking hard, black siliceous shale, this change in formation occurring within the last few rounds.

We can do this and locate the hole 500 feet north of the present breast, which will be in accordance with the original plans. 904 can be resumed at any time. From an operating standpoint this would be more desirable as I think we should push 903-B Drift South and open up the country under 886 Drift. This is the closest place to open up new stopes and increase our available ore reserves.

Mr. C. E. Weed.

-2-

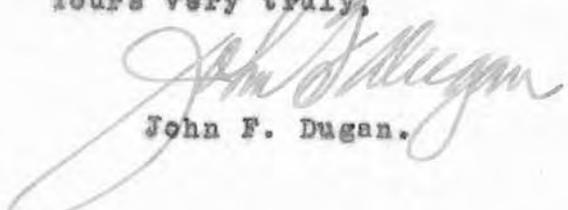
August 23rd 1939.

I had already told Bayer to start it and to work the two drifts (903 and 904) with the same crew. However, by stopping 904 we can push 903 South much more rapidly.

So, if satisfactory to Mr. Sales and yourself we will stop 904 and locate the drill hole 500 feet north of the present breast. In turn we will operate 903 Drift South with all possible speed.

The drilling outfit will not be in there until the first of the week, and spotting the hole is only a matter of a few minutes.

Yours very truly,

  
John F. Dugan.

JFD:JJS.

CC: Messrs. Sales  
Lyon.  
KCC.

INTERNATIONAL SMELTING AND REFINING COMPANY  
Kearns Building, Salt Lake City, Utah

TOM LYON  
GEOLOGICAL DEPARTMENT



August 23, 1939

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

Dear Reno:

Mr. Dugan has just returned from the Walker mine. We have been discussing the location of the drill hole which is to be drilled from the surface north to the Piute ore body.

Due to the fact that the drill hole will necessarily have to be drilled for a distance of 1000 to 1200 feet, I suggested to Mr. Dugan that the 900 drift north be stopped until the drill hole had been completed. If this is done it will only be necessary to locate the hole 500 feet north of the present breast. I think this is far enough to project any structure we may have in the mine. I also think it is possible that the information obtained in the drill hole will enable us to drive the 900 north to a more definite objective and possibly save considerable footage. As you know, anything that can be saved at the Walker will be beneficial to the operation.

Mr. Dugan agrees that it would be a good thing to stop the 900 until the drill hole is completed. If this plan meets with your approval, please wire.

Very truly yours,

Tom Lyon

TL:P

cc: Mr. C. E. Weed  
Mr. J. F. Dugan

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INTER-DEPARTMENTAL CORRESPONDENCE

## MINING DEPARTMENT

## INTERNATIONAL SMELTING AND REFINING COMPANY

818 KEARNS BUILDING

SALT LAKE CITY, UTAH

SUBJECT:

August 25, 1939

*Walker*

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

Dear Sir:

This is to acknowledge your telegram of August 25th, regarding the location of the diamond drill hole from surface north of the Piute ore body.

I called Walker on receipt of your telegram. The drill is being moved to the location today and drilling should commence some time this afternoon or evening.

The hole is located approximately 550 feet north of the present face of 904 Drift. The hole is set with a transit with the strike normal to north  $15^{\circ}$  west, and dip  $55^{\circ}$ . The hole will be drilled until the bottom reaches approximately 50 feet below the 900 level.

Underground drilling commenced yesterday morning, Thursday, August 24, 1939.

The first hole is located on the 1200 level approximately 40 feet north of the shaft, and drilling east into the hanging wall.

This morning (Friday) 75 feet of hole has been completed. Two stringers of ore  $1/4$ " wide were cut in the first 25 feet, which they have not had time to assay.

Droubay also informs me that they have found some interesting mineralization about 50 feet in the foot wall back of the shaft. It was found in the sump drift which we are now cutting for water storage.

904B Drift North in the Piute has been stopped pending results from the surface drilling.

903 Drift South from the Piute has been started.

Mr. Weed - 2

August 25, 1939

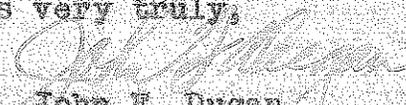
1017 Drift North is under way and at this time will be driven 100 feet farther north. If no ore is found some diamond drilling will be done to supplement this work.

Some short range development is also being carried on above the 700 level.

4710 Drift on the 517 fissure, in 712 ore body is showing the most favorable results.

We will keep you informed as to the results obtained from the diamond drilling.

Yours very truly,

  
John F. Dugan.

JFD:H  
cc:JOE  
RS  
TL

# ANACONDA COPPER MINING COMPANY

Butte, Montana

Geological Department  
RENO H. SALES, Chief Geologist  
M. H. GIDEL, Asst. Chief Geologist



August 26, 1939.

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

Dear Tom:

I have your letter of August 23rd., with reference to the drill hole at the Walker Mine. I have a copy also of Dugan's letter to Weed, dated August 23rd. I am inclined to think that the more northerly location would be the better one, but, in view of operating difficulties, I am agreeable to making the location at approximately 500 feet north of the present 900 level face.

I was in hopes that we would get the 904 drift extended at least 500 feet north, but should our drill hole disclose no ore, the chance of getting 904 extended at a future time will be practically zero.

Regardless of drill holes, I think we should not fail to do some drifting on the wide quartz vein showing in the 900 north cross-cut. I hope this will be kept in mind and some work done there whenever it appears to be convenient.

A 1,000 or 1,200 foot drill hole is a pretty mean thing to handle, and the results may be unsatisfactory in a vein like the Piute. My thought has been to use the drill for extensions beyond where there is not much possibility of drift exploration. In any case, I hope there will be some further work to the north on the 900 or some other level.

Yours very truly,

RHS:MBS

CC-Messrs. C. E. Weed  
J. O. Elton  
J. F. Dugan  
S. K. Droubay

**WALKER MINING COMPANY**

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

*Walker Mine*

L. F. BAYER, MANAGER

August 31, 1939

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

Dear Sir:

With reference to the diamond drill holes under items No. 1 and No. 3 in your letter of recommendation to Mr. Elton dated July 1, 1939, I would like your advice as to the following situations that have come up:

Development drifts north and south along our 1200 Level had to be stopped pending completion of a sump and installation of pumping equipment. So much water has been encountered, especially in the north heading, that we cannot take chances on opening up any more ground until this can be taken care of (about three more weeks). In the mean time rather than run crosscuts to insure against driving our headings parallel to any sizable vein, I advised that two short drill holes, normal to our vein in general, be driven from the face of 1201DN

The hanging wall hole has been completed to a depth of 298 feet and the footwall hole will be started in a day or two (when a broken part of the drill machine is replaced). The first 260 feet of the completed hole shows a few one-half stringers of chalcopryrite. I have not seen the last forty feet of core.

These two holes will test ground that lies near the objectives of the holes referred to above, if the footwall hole be driven six hundred feet in depth.

In view of the water hazzard, it may be advisable to test for the vein along the 1200 level with drill holes instead of crosscuts by placing them approximately three hundred feet south of 706A Shaft, and again three hundred feet north of the present 1201DN.

Is such a program permissable, and if so, will it reach the objectives intended for the holes of item No. 1 and No. 3.

Respectfully Yours,

*S. K. Droubay*

S. K. Droubay

cc - Lyon  
Dugan

*Walker Mine*  
*Copy*

September 5, 1939.

Mr. S. K. Droubay,  
Walkermine, California.

My dear Droubay:

I have your letter of August 31st and the two maps attached thereto. I was quite surprised to learn that you had drilled a hole so near the shaft into the hangingwall country from 1201 drift north. I was under the impression that the 1100 level crosscut from the shaft was long enough to fully determine the width of the Walker vein zone. According to your own section, B12, the 300 foot hole on the 1200 level is not long enough to explore the downward possibilities of the mineralization in drill hole number 8 drift from the 6 Sub-level. In that hole the mineral showing is 400 feet from the hangingwall of the main Walker vein. The dip is unknown, but should it be flatter than the Walker vein, it might require 4 to 700 feet to fully cover its possible downward projection at the 12th level.

For the present, I hope you will not do any further drilling from the 12th level. I note you have 6 holes laid out to be drilled from the 12th level at certain intervals along the proposed north and south 12th level drifts. The holes already proposed to be drilled into hangingwall country are for the purpose of finding out whether or not there is a parallel vein or ore zone within drilling reach. If any one hole determines the non-existence of such an ore or vein zone, you will agree that it would be folly to repeat such drilling into the same country. In the case of the 298 foot hole already drilled from the 12, your letter indicates that there is but little mineral showing and certainly no vein showing of any strength. Under these circumstances there is no reason to project more drilling. Especially at such short intervals as indicated on your map. My only suggestion would be that the 298 foot hole be extended to at least 700 feet, or even a greater distance, providing it encounters no serious operating difficulties.

I believe the hole already proposed from the 1000 level into the footwall is sufficient to explore that country. However, I have no objection to seeing it drilled from 1201 drift north, as you marked it on your map, although it does seem to me that 1200 drill operations might interfere with operating work on that level. Under the circumstances, I am unable to approve the drilling suggested in the last two paragraphs of your letter.

CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	FULL RATE
DAY LETTER	DEFERRED
NIGHT MESSAGE	NIGHT LETTER
NIGHT LETTER	SHIP RADIOGRAM

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# WESTERN UNION

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PRESIDENT

NEWCOMB CARLTON  
CHAIRMAN OF THE BOARD

J. C. WILLEVER  
FIRST VICE-PRESIDENT

CHECK
ACCT'G INFMN.
TIME FILED

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

KHA 195 67 NL-WALKIERMINE CALIF 6

1939 SEP 6 PM 11 39

RENO H SALES  
526 HENNESSEY BLDG BUTTE MONT

DID NOT RECEIVE COPY OF YOUR RECOMMENDATIONS ON DRILLING UNTIL TWELVE HUNDRED  
 WORK WAS STARTED STOP THREE HUNDRED FEET OF FOOTWALL HOLE COMPLETED TODAY  
 OPPOSITE THREE HUNDRED FOOT HANGINGWALL HOLE WITH SEVENTEEN VEINLETS OF  
 APPROXIMATELY ONE PERCENT ROCK BETWEEN SIXTY AND ONE FORTY FEET STOP WILL  
 EXTEND HANGINGWALL HOLE AND CONTINUE RECOMMENDED WORK IN OTHER AREAS UNTIL  
 FURTHER NOTICE STOP WILL SEND YOU LETTER TO SALT LAKE STOP

S K DROUBAY..

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C O P Y

September 7, 1939.

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

My dear Droubay:

Your telegram of September sixth just received.

I note you will extend the hangingwall hole on the 1200 and this has my approval. Now that you have also drilled into the footwall from the 1200, I think this footwall hole should also be extended to take the place of the hole previously laid out to be drilled from the 1000 foot level. These suggestions, of course, on the theory that the drilling does not interfere with 1200 level drift operations.

Very truly yours,

RHS:MBS

RENO H. SALES

CC-Messrs. C. E. Weed  
Tom Lyon ✓  
J. O. Elton

AIR MAIL

**WALKER MINING COMPANY****WALKERMINE  
PLUMAS COUNTY, CALIFORNIA***Calder***L. F. BAYER, MANAGER**

September 8, 1939

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

Dear Sir:

After receiving your letter of September 5, I discussed matters with Mr. Bayer and we will see that future diamond drilling will conform with your recommendations.

Two drill outfits, a surface and an underground machine, were sent in here August 23 and I put them immediately to work as their contract stated. Neither Mr. Bayer nor I had received a copy of your recommendations to Mr. Elton, so I took the liberty of using the drill to replace crosscuts that I felt were necessary to be sure that 1201 drift north would not be driven parallel to any important mineralization. I felt that the 1100 crosscut east may not have been driven far enough, and that such a hole would be justified. This hole was practically completed and instructions had been given to start the footwall hole, by the time a copy of your recommendations were sent to us. These drillers set up an outfit in about four hours and drill from thirty to forty-five feet per shift.

Although the footwall hole should be drilled nearly 600 feet deep to cut the 713A vein, it was making around 150 gallons of water per minute at 313 feet and as our pumps are taxed to a maximum, I had them cap the hole for the time being and continue drilling the hanging wall hole to at least 700 feet as you suggested. When station pumps are installed, the wet hole can be finished.

The 17 veinlets from the footwall hole varied from two inches to three feet in width and were cut from 60 to 140 feet from the collar of the hole. All of them are of good glassy quartz containing disseminated chalcopryrite. Several are up to six inches in width and only about one-half of the three foot vein is mineralized. High water pressure caused more or less of a panning effect on the sludges, giving a concentrated product. Some assays ran rather high. We can split and assay the core as a check.

The surface hole was drilled 275 feet when all the water was lost and cement kept washing away. I figure it is sub-surface. The hole had to be reamed and cased through, and I expect to see schist in the core they get today.

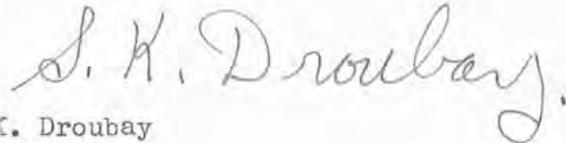
Reno H. Sales, #2

September 8, 1939

As the drilling order calls for approximately 2000 feet of underground drilling per month, we had surmised that part of this could be used to replace crosscuts, especially along the 1200 level, the 1017 drift north, and the 904B drift north. In talking this over with Mr. Lyon and Mr. Dugan, it had sounded all right that we could drill two crosscut holes from the present face of 904B, and by the time these were finished if 1017 had not encountered mineralization, we could run test holes from the face of there. The footwall hole from 904B would be drilled to cut the footwall quartz vein 200 feet north of where it is exposed with 900xcW. However, after reading your recommendations, and receiving your letter yesterday, it appears as though no provisions were made for such a program.

It looks as though our 517 fissure is going to develop into a good sized orebody. The vein on the 400 Level is at least forty feet wide at a point 150 feet beyond the end of the 500 Level workings, and the hanging wall has not been reached yet. The crosscut assays 1.4% copper with low gold and silver.

Respectfully yours,



S. K. Droubay

SKD:SW

cc- Mr. Lyon  
Mr. Dugan

COPY

Salt Lake City, Utah  
September 13, 1939

Walker Mine

Mr. J. F. Dagan, General Supt. of Mines  
International Smelting and Refining Company  
O f f i c e s

Dear Sir:

Mr. Lyon and I have considered further the drilling program for the Walker. We decided on the following:

1- 900 Pinta Level

- (a) Drill due east from the present north face of 904B drift N., approximately 800 feet.
- (b) Drill due west from present north face of 904B drift N., approximately 800 feet.
- (c) Drill due west from face of footwall crosscut under Pinta shaft, 4500 feet. The drilling of this hole to be re-considered should the west hole from 904B drift be a total blank.

400-500

2- 1000 Level

- (a) Drill N 70° W from the face of the first crosscut south of 706A winze, 600 to 900 feet.
- (b) Drill due west from the face of 1055B crosscut, 600 to 800 feet.
- (c) Drill N 55° E from the face of 1056B crosscut, 800 to 900 feet.

These holes to be drilled in the order above given unless you are advised to the contrary. The program will be subject to possible modifications depending upon disclosures on any particular hole.

RHS:P  
cc: Messrs. Wood  
Lyon  
Dunbar

Yours very truly,

Reno H. Sales

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INTER-DEPARTMENTAL CORRESPONDENCE

## MINING DEPARTMENT

## INTERNATIONAL SMELTING AND REFINING COMPANY

818 KEARNS BUILDING

SALT LAKE CITY, UTAH

SUBJECT: September 19, 1939

WALKER MINING COMPANY

Mr. S. K. Droubay, Geologist,  
Walker Mine,  
Walkermine, Calif.

Dear Sir:

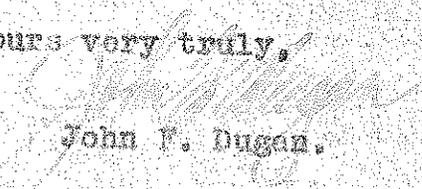
Mr. Sales, in checking over the drilling program for Walker with me today found a typographical error in his letter to me dated September 13th, a copy of which was sent to you. Paragraph 1-C should read:

"Drill due west from face of footwall crosscut under Flute shaft, 400 to 500 feet. The drilling of this hole to be re-considered should the west hole from 904B drift be a total blank."

You will note the original paragraph read 4500 feet instead of 400 to 500 feet, which is the correct distance.

Please acknowledge receipt of this letter noting change.

Yours very truly,

  
John F. Dugan.

JFD:H

cc: Messrs: Bayer  
Lyon  
Sales  
Weed

*Walker mine*  
*Wm T. Warren*

Walkermine, California  
 September 21st, 1939

Dear Mr. Sales:

It seems as tho Marion does all the letter writing for this family, and every once in a while I feel sort of embarrassed about it - so, decided to write and say hello.

You fly all over so fast that we never know just when and where you might receive the mail - at any rate it is a safe guess that you arn't in Poland at the moment.

Everyone here is eating deer meat now - the season just opened and it seems that about every other man here has picked off a buck. Qe had a steak for dinner. Marion soaked it in vinegar for an hour, then washed it - fried it in onion and garlic salt, olive oil etc. and turned out a very delectable morsel. Mouth watering? If so better come on out and have some with us.

Mr. Bayer told me today that we had better register so as to be able to vote in November on the "\$30.00 every Friday" bill coming up. Some bill - what a fine effect it will have upon tax rates on we 2age earners.

Diamond drilling all over now - but have it in for you// You sure pick tough places to drill in - that 1045 xc on 1000 hasn't been open for years, and what a job// Also your drills about flooded us on the 1200 when they hit more water than we could handle; also we have been chasing down leaks in air lines, etc. and rotating drilling to try and get enough air for our machines and the diamond drills; but we love it.

In 712 that 471 country is getting interesting - and looks as if the vein ( 517 fissure) is swinging around to parallel the main Walker vein in the footwall. We have opened up a lot of country above the 400 and are now trying to pick it up on the 500. How about giving us a hand? It certainly is an interesting possibility and the ore is averaging about 2.00% - but the way the vein is behaving has the operating department and geologist all tearing their hair.

We have a nice little stope on the "Reno Sales" bornite streak - not very large, but damn nice rock. Heads for the mine yesterday were 1.60% - good for the Walker.

Mr. Bayer said yesterday that Mr. Weed and a whole bunch of men are coming out to see the mine next week. Have my fingers crossed. From an operating standpoint the "battleworn" Walker is coming along, and am proud to say so. The only thing that gives me nightmares is the coming winter, and the thought of the inevitable power failures and consequent loss of pumps. Lots of times I dream about them.

Our best to Mrs. Mills, and hope you all have enjoyed a very pleasant summer. Be sure to send my very best to Mrs. Longlee and don't forget to tell her about the venison.

Yours faithfully,

A handwritten signature in cursive script, appearing to read "Bill".

**WALKER MINING COMPANY**

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

*Walker*

L. F. BAYER, MANAGER

September 21, 1939

*Walker mine*

Mr. John F. Dugan  
618 Kearns Building  
Salt Lake City Utah

Dear Sir:

This will acknowledge receipt of your letter of September 19th, calling my attention to typographical error in Mr. Sales' letter to you dated September 13th, 1939, regarding the diamond drilling program.

Yours truly,

*S. K. Droubay*  
S. K. Droubay

cc-Mr. Lyon  
Mr. Sales  
Mr. Weed

# WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

L. F. BAYER, MANAGER

September 28, 1939

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

Dear Tom:

In answer to your letter of September 25, I wish to submit a report on diamond drilling carried out thus far at the Walker Mine.

Surface Hole No. 21 North of Piute: This hole was driven through alternate layers of red and grey vesicular basalt approximately 565.8 feet when the subsurface was encountered. From this point to 670 feet the formation is a broken, garnetiferous schist, typical of Walker wall rock. From 670 feet to 674 feet is an altered, green formation, containing considerable chalcopyrite. It is soft. From 674 feet to 706 feet is an altered zone, with occasional areas of mineralization. From 706 feet to 721 feet the vein becomes more crystalline with quartz predominant at 721 feet and continuing to 750 feet. There is scattered mineralization in the quartz. It is fair looking vein material, although barren of chalcopyrite in spots.

Sludge Samples:

640-650 feet	0.40% Cu,	-- Oz. Ag,	0.005 Oz. Au
650-660 feet	0.30% Cu,	-- Oz. Ag,	0.005 Oz. Au
660-670 feet	0.45% Cu,	-- Oz. Ag,	0.005 Oz. Au
670-680 feet	0.50% Cu,	--- Oz. Ag,	0.010 Oz. Au
680-690 feet	1.55% Cu,	0.42 Oz. Ag,	0.05 Oz. Au
690-700 feet	0.45% Cu,	0.12 Oz. Ag,	0.01 Oz. Au
700-710 feet	0.55% Cu,	0.20 Oz. Ag,	0.03 Oz. Au
710-720 feet	0.75% Cu,	1.08 Oz. Ag,	0.03 Oz. Au
720-750 feet	no returns as yet.		

The mineralization is out one third the way from the 800 to the 900 Level, and if it be projected at 40 degrees, the zone would be 600 feet in a North 10 degrees east direction from the face of 904BDN.

PIUTE 900 Level Hole No. 24 (East): This hole shows a fissile, slightly garnetiferous formation with specks of mineralization up to 162 feet where a clay gouge is encountered. From 163 to 167 feet (the bottom of hole last night) is typical Piute vein rock with considerable chalcopyrite. Looks like about 1.25% copper.

This mineralization may extend northerly and connect with that exposed in the surface hole.

September 28, 1939

Through a misunderstanding, 209 feet of footwall hole was driven before I had them change and drill east from the end of 904B. The low grade quartz was cut again from 80 to 105 feet. Sludge samples ran 0.05% copper, with no gold or silver. The rest of the hole was negative.

Hole No. 20. Hanging wall hole on 1200 Level: This hole is out 802 feet, with nothing but a few specks of sulphides in a speckled schist that looks very much like meta-andesite. Mr. Sales suggested that this hole be extended at least 700 feet and farther if operating conditions permitted. Very poor progress is being made here and I am afraid this is as far as the hole can be drilled until better air pressure is provided.

Hole No. 22. Footwall hole from 1200 Level: This hole is 428 feet deep with negative results beyond the 140 foot mark. The log of this hole to 313 feet has been reported. Since a footwall hole from the 1000 Level is to be driven 800 to 900 feet just south of 706A Winze, I suppose it will be unnecessary to extend the hole farther, to explore for the 713A vein as first intended. High water pressure, a bad cave, and poor air would render the extension of this hole very difficult.

Should the surface hole be extended much beyond the present zone of mineralization? Shall we discontinue surface drilling with this hole, or shall we drill another hole 500 feet ahead of the present one? It appears as though we have exposed enough mineralization to warrant further exploration work on the 900 Level.

Very truly yours,

*S. K. Droubay*

S. K. Droubay

SKD:SW

cc - Mr. Sales  
Dugan  
Wood

**CLASS OF SERVICE**

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

# WESTERN UNION

**SIGNS**

- DL = Day Letter
- NM = Night Message
- NL = Night Letter
- LCO = Deferred Cable
- NLT = Cable Letter
- WLT = Week-End Letter

NEWCOMB CARLTON, PRESIDENT

J. C. WILLEVER, FIRST VICE-PRESIDENT

The filing time as shown in the date line on full-rate telegrams and day letters, and the time of receipt at destination as shown on all messages, is STANDARD TIME.

**Received at**

BE1 68 DL=SALTLAKECITY UTAH OCT 3 1939 1118A

REMO H SALES=

CARE T E PASCHAL NACO ARIZ=

*Walker mine*

SURFACE DRILL HOLE AT WALKER ENCOUNTERED MINERALIZATION AT 640 FEET HAS CONTINUED TO 720 FEET AVERAGE POINT SIX COPPER 1.35 COPPER FROM 680 TO 690. AS SOON AS THIS HOLE COMPLETE PLAN ON STARTING ANOTHER HOLE FROM SURFACE 500 FEET NORTH OF PRESENT HOLE IF YOU APPROVE. HOLE EAST FROM 904 CROSSCUT ENCOUNTERED 1.25 COPPER FROM 163 TO 173 FEET LOOKS LIKE SAME MINERALIZATION CUT IN SURFACE HOLE=

TOM LYON.

(112PM).

640/720 1.35/680/690/500/904/1.25/163/173.

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October 3, 1939

Walker Mine

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

Dear Red:

I have your letter of September 28 with information on the drill holes. I have talked the matter over with Mr. Weed. It has been decided to drill from 904 crosscut 100 feet south of No. 24 drill hole to test mineralization. This hole should not go any further than necessary to make the test. The reason for drilling is to spot the crosscut.

I have wired Mr. Sales the information regarding the showings in the surface drill hole and told him that unless otherwise advised we would start another surface hole 500 feet north of the present surface hole to make further tests of the mineralization.

Kindest personal regards,

Very truly yours,

TL:P

Tom Lyon

CC: Messrs. Weed  
Sales  
Dugan

THE CANANEA CONSOLIDATED COPPER COMPANY, S. A.  
CANANEA, SONORA, MEXICO.

COPIA

October 3, 1939.

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

*Walker mine*

Dear Mr. Lyon:

Have your wire on Walker diamond drill results at north end. Am glad to note the encouraging assays.

I approve second surface hole 500 feet north of present drill location.

I expect to return via Walker. Leaving here Friday; arrive Los Angeles probably Sunday, and San Francisco Tuesday, and Walker a few days later. Will write or wire definitely from Los Angeles.

Yours,

Reno H. Sales

RHS/G

October 6, 1939

*Walker Mine*

Mr. Seth E. Droubay  
Walker Mining Company  
Walkermine, California

Dear Red:

I am in receipt of a letter from Mr. Sales approving a hole from the surface to be drilled 500 feet north of the present hole.

Will you kindly see that this hole is started as soon as the present hole is completed.

Very truly yours,

*[Handwritten Signature]*  
John Lyon

TL:P

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

## WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

L. F. BAYER, MANAGER

October 6, 1939

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

Dear Tom:

The enclosed tabulation covers diamond drilling progress at Walker Mine during the last period of September.

Hole No. 20. This is drilled into the hanging wall from the 1200 Level. It was finished to 802 with an advance of twenty feet showing a speckled porphyritic formation (meta-andesite) containing  $\pm$  - 6" epidote inclusions. This formation is very pronounced on the surface where it weathers to a light green rock with abundant light colored phenocrysts. This surface rock shows the epidote. Mr. Weed said this was in far enough.

Hole No. 21. This is the surface hole ahead of Piute. It was advanced 70 feet to a depth of 776 feet. The vein zone that was encountered at 670 feet has an altered soft chloritic schist with considerable chalcopyrite and graded into a slightly mineralized massive quartz, continued to 745 feet where the formation changed to a quartz schist with a few specks of chalcopyrite. Sludge samples from 730 to 750 feet ran 0.20% cu. with no gold or silver. This gives about 75 feet of vein material.

Hole No. 24. This is the hanging wall hole being driven from the face of 904B drift in Piute. It was advanced 301 feet to a depth of 310 feet. This hole shows a slightly garnetiferous formation with specks of mineralization up to 162 feet. From 163 feet to 172 feet is a good looking streak of glassy quartz vein material. As heavy mud seams and caving ground were encountered just before the vein material was cut the sludge samples were poor. From 172 feet to 310 feet is a garnetiferous schist with occasional specks of chalcopyrite and zones that are partially sericitized. Sludges up to 90 feet ran about 0.30% cu and beyond there they ran approximately 0.10% Cu. 160 feet to 170 feet they ran 0.40% cu. From 240 feet to 300 feet the gold and silver assays averaged 0.4 oz. ag and 0.044 oz. au, but I think this is wrong and I am having this batch of samples re-run.

Hole No. 25. This is being driven into the footwall just south of 706A Winze on the 1000 Level. This hole cuts 134 feet of grey schist that contains numerous quartz veinlets and considerable disseminated chalcopyrite. Most of the veinlets are an inch or less thick while several are almost a foot, and one good looking vein at 161 feet is four feet wide and is fair looking ore. Sludge samples run from 0.20% cu to 0.65% cu with little or no gold or silver.

Mr. Tom Lyon, #2

October 6, 1939

Considerable trouble is being encountered in the surface hole. Apparently heavy clay seems in the footwall of the vein cause the hole to fill with fine rock when the rods are pulled, and it is difficult to get to bottom again. The broken area may be too large to cement and additional casing may have to be driven down. The hole is now 805 feet deep. It should be at least 1000 feet to cover all possibilities and cut the projection of the low grade footwall quartz as exposed in 900Cxc west. Although Mr. Weed suggested that this hole be extended, your letter of October 3 sounds as though you may want a second hole started immediately if Mr. Sales wished it driven.

Respectfully yours,

*S. K. Droubay*

S. K. Droubay

SKD:SW

Encl.

cc - Mr. Sales  
Mr. Dugan

P.S. The surface hole was cemented successfully and fair runs are being made.

DIAMOND DRILL REPORT

SEPTEMBER 24-30, 1939

<u>HOLE NO.</u>	<u>OREBODY</u>	<u>LEVEL</u>	<u>START</u>	<u>END</u>	<u>FEET</u>	<u>COST PER FOOT</u>	<u>PERIOD COST</u>	<u>COST TO DATE</u>
20	Central	1200	782	800	18	\$ 1.55	\$ 27.90	\$ 690.80
			800	802	2	1.65	3.30	
21	North Piute	Surface	706	776	70	2.05	143.50	1186.80
22	Central	1200	428	428	0		---	535.00
23	Piute	900	209	209	0			261.25
24	Piute	900	9	310	301	1.25	376.25	587.50
25	Central	1000	0	134	<u>134</u>	1.25	<u>167.50</u>	<u>167.50</u>
		Total			525		\$ 718.45	\$3228.85

*month.*

Note: 620A Stop diamond drill holes:

15 holes drilled or 249.7 feet total.

**WALKER MINING COMPANY**

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

L. F. BAYER, MANAGER

October 18, 1939

Memorandum on Development

Mr. Sales spent October 17 and 18 at Walkermine, and recommended that the following projects be carried out at the earliest possible convenience.

## Project No. 1

To Determine the Behavior of the 517 Vein Below the Extreme South Portion of 471 ODS.

Sections indicate that the vein, if it extends to the 500 and 600 levels, should lie in the approximate position shown on the sketch.

A. Further prospecting along 517B should be done a little more to the west, as indicated on the sketch, keeping in mind that the main vein may continue S 45° W.

B. If the ore continues along the 500 level, then prospecting from the 600 level should be carried out by extending 668E in a southerly direction along the weak fissure. See sketch.

## Project No. 2

Prospect the North End of the 712 Orebody, Where the Several Footwall Fissures Join the Main Vein.

There are several streaks of ore on the 600 sub, 600, 500 and 400 levels that should be opened up to determine whether or not this zone contains enough ore to warrant stoping.

## 400 Level:

A. Extend 484CxcW far enough to expose the extreme footwall split of the fissure, or to be sure it does not extend this far.

B. Open up the mineralized zones that lie along the first two fissures cut by 470CxcW, and follow out in both directions.

## 500 Level:

544B may have to be extended to meet 535B, if the fissure proves productive above.

Calk

Memorandum on  
Development

-2-

October 18, 1939

600 Level:

A. 649D should be extended far enough to cut all of the fissure zone.

B. All mineralization in this zone should be opened up the same as recommended for the 400 level.

C. A crosscut should be driven from the main vein to the end of 618E to obtain another assay cross section of this footwall area. 648D averaged 1.07% Cu.

600 Sublevel:

699B should be extended in a northeasterly direction to determine the extent of the mineralization. Part of this work may be done by exploring from 604BDN.

Project No. 3

Explore the small high grade vein exposed in 450CDN near 768BR, by raising and by drifting south into the 710 Orebody.

Project No. 4  
Diamond Drilling

A. It was decided that the footwall country of north Piute had been sufficiently explored by the old surface diamond drill holes Nos. 3, 8, 10, 11, 12 and 14, and that therefore drill hole No. 23, drilled west from the end of 904BDN, should not be continued beyond its present 209 foot depth. The objective of cutting the footwall quartz exposed in 900Cxcw was obtained.

B. A 200 foot hole should be driven south of hole No. 25 to obtain another cross section of the footwall mineralization exposed by holes No. 22 and No. 25 drilled from the 1200 and 1000 foot levels of the Central Orebody.

C. Two short holes may be drilled from the face of 1017DN to locate some trace of the 712 mineralization.

Respectfully submitted,

*S. K. Droubay*  
S. K. Droubay

# WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

October 21, 1939

L. F. BAYER, MANAGER

Mr. Tom Lyon  
Chief Geologist, I. S. & R. Co.  
Salt Lake City, Utah

Dear Tom:

Please find enclosed a memorandum on development and a period report covering diamond drilling during the second period of October.

Mr. Sales surprised us by making a two-day visit, during which time he checked over our drilling results and mapped out a program for the foot-wall exploration of the 712 Orebody.

I wired you that the 8 feet of core from Hole No. 24 ran 1.10% Cu., 0.38 oz. Ag., and 0.01 oz. Au. We drilled Hole No. 27 back 140 feet south and cut the mineralized zone at 141 to 145 feet. The hole was driven to a depth of 202 feet. The mineralized zone is not so quartzzy as that ahead, but shows more massive chalcopyrite. It looks as though it will run a little better than 1% Cu. Sludge from 140 to 150 feet ran 1.15% Cu., 1.15 oz. Ag., and 0.01 oz. Au. Mr. Sales suggested that the crosscut be driven from the face of 904B.

The second surface hole, No. 26, has been started from co-ordinates 21,385 N and 10,930 E, at an elevation of 6750 feet. It is being driven S 80°W and dips 60°. This is aimed to cut the vein 500 feet ahead of Hole No. 21, just below the 900 level.

There has been considerable commotion in getting the management changed, and we are all more or less upset in our routine work. However, things will be smoothed out before long and I expect our reports and comments will be more regular and prompt.

Very truly yours,

*S. K. Droubay*

S. K. Droubay

P.S. I am going to Mr. Baglin's property today, and will map the tunnel and sample the interesting places.

ANACONDA COPPER MINING CO.

C O P Y

October 24, 1939.

Mr. J. F. Dugan, Manager of Mines,  
820 Kearns Building,  
Salt Lake City, Utah.

Dear Jack:

I am in receipt of a copy of a memorandum on certain development suggestions made during my visit at the Walker Mine. I am enclosing a copy of same and wish to state that it correctly sets forth my recommendations.

Enclosed herewith are geological sketches made by Droubay to illustrate these development projects. Will you please have three copies made of same, sending one to me, one to Droubay, and one to Tom Lyon, to whom I am sending copies of this letter and memorandum.

Yours very truly,

RHS:MBS  
Encls.

Reno H. Sales

cc-Tom Lyon ✓  
S. K. Droubay

**WALKER MINING COMPANY**

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

**L. F. BAYER, MANAGER**  
~~XXXXXXXXXXXX~~

October 24, 1939

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

Dear Sir:

Mr. Sales spent October 17 and 18 at the Walker Mine. During his visit Messrs. Hartmann, Droubay and myself went over the maps with him. Attached is a memo prepared by Mr. Droubay of Mr. Sales development recommendations.

Mr. Sales was interested in the S17 Fissure and suggested other work on mineralized zones in this area. Some of this work has been started. The rest will follow when operating conditions permit.

The diamond drilling program is following Mr. Sales recommendations.

Yours truly,

  
John F. Dugan

JFD:SW

Encl.

cc - Mr. Elton

# WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

L. F. BAYER, MANAGER

October 18, 1939

## Memorandum on Development

Mr. Sales spent October 17 and 18 at Walkermine, and recommended that the following projects be carried out at the earliest possible convenience.

### Project No. 1

To Determine the Behavior of the 517 Vein Below the Extreme South Portion of 471 CDS.

Sections indicate that the vein, if it extends to the 500 and 600 levels, should lie in the approximate position shown on the sketch.

A. Further prospecting along 517B should be done a little more to the west, as indicated on the sketch, keeping in mind that the main vein may continue  $S 45^{\circ} W$ .

B. If the ore continues along the 500 level, then prospecting from the 600 level should be carried out by extending 663E in a southerly direction along the weak fissure. See sketch.

### Project No. 2

Prospect the North End of the 71E Orebody, where the Several Footwall Fissures Join the Main Vein.

There are several streaks of ore on the 600 sub, 600, 500 and 400 levels that should be opened up to determine whether or not this zone contains enough ore to warrant stoping.

#### 400 Level:

A. Extend 484CxeW far enough to expose the extreme footwall split of the fissure, or to be sure it does not extend this far.

B. Open up the mineralized zones that lie along the first two fissures cut by 470CxeW, and follow out in both directions.

#### 500 Level:

544B may have to be extended to meet 555B, if the fissure proves productive above.

Memoandum on  
Development

-2-

October 12, 1939

**600 Level:**

A. 649D should be extended far enough to cut all of the fissure zone.

B. All mineralization in this zone should be opened up the same as recommended for the 400 level.

C. A crosscut should be driven from the main vein to the end of 618E to obtain another assay cross section of this footwall area. 648D averaged 1.07% Cu.

**600 Sublevel:**

699B should be extended in a northeasterly direction to determine the extent of the mineralization. Part of this work may be done by exploring from 6049DN.

**Project No. 3**

Explore the small high grade vein exposed in 4500DN near 768BR, by raising and by drifting south into the 710 Orebody.

**Project No. 4  
Diamond Drilling**

A. It was decided that the footwall country of north Plate had been sufficiently explored by the old surface diamond drill holes Nos. 3, 6, 10, 11, 12 and 14, and that therefore drill hole No. 23, drilled west from the end of 9048DN, should not be continued beyond its present 209 foot depth. The objective of cutting the footwall quartz exposed in 9000x07 was obtained.

B. A 200 foot hole should be driven south of hole No. 25 to obtain another cross section of the footwall mineralization exposed by holes No. 22 and No. 25 drilled from the 1200 and 1000 foot levels of the Central Orebody.

C. Two short holes may be drilled from the face of 1017DN to locate some trace of the 712 mineralization.

Respectfully submitted,

S. K. Droubay

# COPY OF TELEGRAM

November 10, 1939

SERIAL

Seth K. Droubay  
Walker Mining Company  
Walkermine, California

Your letter October 18. Do not believe Sales intended long  
footwall drill hole as hole No. 16 from 600 south has covered  
that area. Do not drill beyond mineralization found in  
footwall

Tom Lyon

# WALKER MINING COMPANY

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

~~XXXXXXXXXXXXXXXXXXXX~~

November 11, 1939

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

Dear Tom:

The enclosed sketch shows the results of drilling from the end of 1017DN.

In accordance with your wire yesterday we will not extend Hole No. 30 beyond present depth of 277 feet, unless further advised.

If the vein is cut with Hole No. 31, will it be all right if we drop back 400 feet south and drill another hole? Also shall we extend Hole No. 29 to see if the vein extends up there?

In talking it over with Mr. Hartmann, he feels that if we are to crosscut out into this country we should do it as far south as possible to cut haulage distance to a minimum. Holes No. 22 and 24 show considerable mineralization a short distance under the vein and there is a possibility of a parallel shear zone existing along the footwall.

In Mr. Sales letter to Mr. Dugan dated September 13, 1939, wherein he and you reconsidered drilling for Walker, Hole No. 30 was to be driven west for a distance of 600 to 800 feet. In case Hole No. 31 does not drill the vein and the quartz in Hole No. 30 proves to be localized should we extend it further? This mineralization seems rather close to be the 517 fissure zone but as 471C continues strong and now bears about South 35 degrees east, it is very possible that the vein would be in this position on the 1000 Level.

Over a week's drilling has been lost in the second surface hole. An apparent sub-surface stream was drilled into, washing mud and cutting into the hole and mudded in a bit and some rods. They are fishing for them. The drillers think it is a stream because vapor comes out of the hole. It is just slightly over 400 feet deep and any water would be along a stratum of the lava.

I suggested to Mr. Dugan that 1017DN be extended another 100 feet and another short hole be driven into the hangingwall. Hole No. 28 showed extensive alteration and scattered specks of chalcopyrite, but nothing to warrant changing the course of the drift.

Very truly yours,

*S. K. Droubay*  
S. K. Droubay

SKD:SW  
cc - Mr. Sales  
Mr. Dugan

Encl.

**CLASS OF SERVICE**  
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

1220

SYMBOLS	
DL	= Day Letter
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PRESIDENT

NEWCOMB CARLTON  
CHAIRMAN OF THE BOARD

J. C. WILLEVER  
FIRST VICE-PRESIDENT

NOV 12 PM 7 00

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

KHA203 83 3 EXTRA NT=WALKERMINE CALIF VIA BUTTE MONT 14  
RENO H SALES=  
25 BROADWAY ST ROOM 1726 NYK=

SECOND SURFACE HOLE LOST AT FOUR NINETEEN DRILLERS IDLE  
SHALL WE START NEW HOLE AND TAKE CHANCES ON SNOWING IN  
EQUIPMENT STOP REFER TO SKETCH AIR MAILED NOV 11TH STOP  
HOLE 31 CUT MINERALIZATION ONE NINETY TO TWO HUNDRED TWO  
FEET NOT THROUGH VEIN STOP WOULD LIKE PERMISSION TO EXTEND  
HOLE 29 ALSO A HOLE SOUTH OF NO 31 ALSO DRILL A HOLE  
WEST FROM SEVEN HUNDRED SUB LEVEL NEAR HOIST ROOM TO  
JUSTIFY HAWLAGE FROM THIS END. WIRED LYONS=

R K DROU.

*3. call JFD TL*

31 29 31. HAWLAGE CFND TO US.

CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	ORDINARY
LETTER	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.

*Walker*

# COPY OF WESTERN UNION TELEGRAM

DL

NL

WALKERMINE, CALIF.  
NOV. 14, 1939 - 3:18 PM

RENO H. SALES,  
ANACONDA COPPER MINING CO., BUTTE, MONT.

SECOND SURFACE HOLE LOST AT FOUR NINETEEN DRILLERS IDLE SHALL WE START NEW HOLE  
AND TAKE CHANCES ON SNOWING IN EQUIPMENT STOP REFER TO SKETCH AIR MAILED NOVEMBER  
11th STOP HOLE 31 CUT MINERALIZATION ONE NINETY TO TWO HUNDRED TWO FEET NOT  
THROUGH VEIN STOP WOULD LIKE PERMISSION TO EXTEND HOLE 29 ALSO A HOLE SOUTH OF  
NO 31 ALSO DRILL A HOLE WEST FROM SEVEN HUNDRED SUB LEVEL NEAR HOIST ROOM TO  
JUSTIFY HAWLAGE FROM THIS END WIRED LYONS

R K DROUBAY  
S

(Original Sent to Mr. Sales  
25 Broadway, Room 1726, N.Y.)

KMM

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

Patrons should check class of service desired; otherwise message will be transmitted as a full-rate communication.

# COPY OF WESTERN UNION TELEGRAM

NOVEMBER 15, 1939.

S. K. DROUBAY  
WALKERMINE CALIFORNIA  
VIA SPRING GARDEN

DISCONTINUE SURFACE DRILLING. WILL ADVISE ON SUGGESTED DRILLING WHEN SKETCH  
ARRIVES.

RENO H. SALES

CC: C. E. WEED  
J. F. DUGAN  
T. LYON

CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	FULL RATE
DAY LETTER	DEFERRED
NIGHT MESSAGE	NIGHT LETTER
NIGHT LETTER	SHIP RADIOGRAM

Patrons should check class of service desired; otherwise message will be transmitted as a full-rate communication.

# COPY OF WESTERN UNION TELEGRAM

CHARGE ANACONDA COPPER MINING COMPANY GEOLOGICAL DEPT

NOVEMBER 16, 1939.

S. K. DROUBAY  
WALKERMINA CALIFORNIA  
VIA SPRING GARDEN.

APPROVE DRILLING RECOMMENDATIONS YOUR TELEGRAM OF NOVEMBER FOURTEENTH. SUGGEST HOLE NEXT SOUTH OF NUMBER THIRTY ONE BE LAID OUT TO CUT VEIN APPROXIMATELY TWO HUNDRED FEET SOUTH OF WHERE CUT IN THIRTY ONE. SEND SOME CROSSSECTIONS SHOWING DRILL HOLES AND ILLUSTRATING GEOLOGY FIVE SEVENTEEN VEIN FOURTH LEVEL TO TEN.

REMO H. SALES

CC: C. E. WEED ✓  
J. F. DUGAN  
T. LYON

**WALKER MINING COMPANY**

WALKERMINE

PLUMAS COUNTY, CALIFORNIA

H. M. HARTMANN, MANAGER

November 18, 1939

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

Dear Sir:

The last part of your wire dated November 16 was mixed up a little but I took it that you wanted a more complete picture of the 517 Fissure. The enclosed composite sketch and vertical section No. 5 will illustrate more clearly the object of the drilling your approved.

If we cut the vein with the proposed drill holes on the 1000 and 600 sub-levels, we should be justified in starting a 700 Level haulage level some where south of the 712 hoist room, which would be much better than back-switching from the north end of the 712 Orebody.

All approved diamond drilling, other than the 620A Stope holes, should be completed within the next two weeks. The long hole being drilled North 55 degrees East from the face of 1056B crosscut east may take a little longer.

Any suggestions will be appreciated.

Respectfully yours,



SKD:SW

S. K. Droubay

cc - Mr. Lyon  
Mr. Dugan

Encl.

AIR MAIL

**INTERNATIONAL SMELTING AND REFINING COMPANY**  
Kearns Building, Salt Lake City, Utah

**TOM LYON**  
GEOLOGICAL DEPARTMENT



November 20, 1939

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

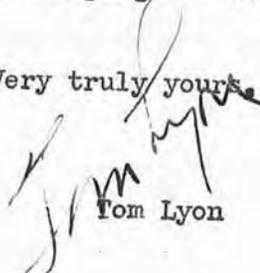
Dear Reno:

I have just received Droubay's letter of November 18 together with sketches concerning diamond drilling on the 1000 level of the Walker mine.

It appears to me that it would be a good idea to drill a down hole from 1055 B crosscut to cut the mineralization at least 100 feet below the 1000 level. It also might be well to drill a hole angling upward to cut the mineralization in the vicinity of the elevation of the 900 level.

If you think this should be done, will you please write Droubay direct as our present campaign is about completed.

Very truly yours,

  
Tom Lyon

TL:P  
CC: Mr. Weed  
Mr. Dugan

*Plan 2 holes  
for 200' depth  
under 3' diameter*

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*Walker*

November 21, 1939.  
New York, N. Y.

Mr. S. E. Droubay,  
Walker Mining Company,  
Walkerville, California.

Dear Droubay:

I received your map and cross-section illustrating drilling results in Holes 31 and 32. I note the position of the proposed hole from the 600 sub-level. I have discussed this with Mr. Weed and we think another hole should be drilled from the 600 sub-level approximately 200 feet south of your proposed hole, provided, you get an ore showing in this first hole.

We suggest this second hole and possibly a third still farther south for the reason that if this 517 vein approaches the main vein, the possible haulage drift should be driven along the vein rather than in the country rock.

I am quite pleased with the disclosures in Holes 30 and 32. I will be much interested to learn the results in #29.

Yours very truly,

WENO H. SALES

RHS:F

CC: Mr. C. E. Weed.  
Mr. J. F. Dugan.  
Mr. T. Lyon.

AIR MAIL

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