



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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Arizona Department of Mines and Mineral Resources Mining Collection

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Dear Sam,

I am sorry the deal for the gold mine does not look too good from this end.

It would stand a better chance as a silver mine, with flux.

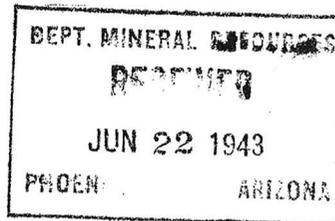
However, there is just a chance the Copper section will OK it if the smelters put on enough heat.

I am glad you liked my stockpile bill. There will, no doubt, be some changes, but I have hopes it will be left substantially the same.

I think I told Charlie that Murdock put the Murray bill with amendments in the House Saturday at my instance to try and arrange a substitution for the McCarran bill, which is pretty lousy and does not help the operator much.

Trust that all turns out well there and with my personal best wishes as ever,

Bill



DEPARTMENT OF MINERAL RESOURCES

Service Report

Date 5/16/42

Nature of Call PERSONAL

Place OFFICE

Name VIC. L. SMITH

Address BOULDER

Subject HAS PARTY LOOKING FOR QUICKSILVER PROPERTY -
V SHIRLEY D. PARKER OF BEVERLY HILLS - CAL.
(A PERSONAL CONFIDENTIAL CLIENT)

Action REFERRED HIM TO
V T. J. LONG - GLOBE ON ARIZONA - QUICK

Signed JFC

Use other side if necessary

DEPARTMENT OF MINERAL RESOURCES

News Items

Date 5/29/42

Mine ARIZONA QUICKSILVER

Location SUNFLOWER DISTRICT

Owner V T. J. LONG OF GLOBE

Address V GUS MANGUSON OF SUNFLOWER
HAVE SOLD PROPERTY TO

Operating Co. V SHIRLEY D. PARKER

Address YAKIMA WASHINGTON
PLANS CALL FOR EXTENSIVE

Pres. DEVELOPMENT PROGRAM -

Genl. Mgr. SHIRLEY D. PARKER

Mine Supt. 100% THEN DRIFT & X CUT

Mill Supt. REHABILITATE OLD MINE

Principal Metals WORKINGS. THEN START

Men Employed PRODUCTION -

Production Rate ARTHUR J. THEIS OF

Mill, Type & Capacity BOAZ MINE - MONTANA
WILL BE IN CHARGE OF OPERATIONS.

Power, Amt. & Type MR. PARKER OWNED
BOAZ MINE (A GOLD PROPERTY).

Signed

(Over)

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

(173)

SYMBOLS

- DL = Day Letter
- NT = Overnight Telegram
- LC = Deferred Cable
- NLT = Cable Night Letter
- Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

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

SA 120 33/32=VO LOSANGELES CALIF 17 930A

P G FLUMERFELT=

1943 JUN 17 AM 11 14

HOTEL ADAMS PHOENIX ARIZ=

Pls reply

PLEASE HAVE ARIZONA OFFICIALS ADVISE EDWARD H ROTT, DEPUTY ADMINISTRATOR, LIMITATION ORDER L-203 MINING DIVISION WAR PRODUCTION BOARD WASHINGTON DC NEED OF ARIZONA SMELTERS FOR SILICEOUS ORES PRODUCED FROM GOLDEN QUEEN GROUP=

RALPH F FORCH.

add my + mailing

L-203 SILICEOUS.

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

January 24, 1964

Mr. Frank P. Knight, Director
Department of Mineral Resources
State of Arizona
Fairgrounds
Phoenix, Arizona

Dear Mr. Knight

Our preliminary annual figures on Arizona mineral production in 1963 show a Big Sam Mines Co. as operator of a mercury mine in Maricopa County with production in that year.

We would appreciate any information you have on location and name of the property and business address of the company

Thank you for your attention to the matter.

Very truly yours

M. H. Salsbury
Project Coordinator

cc - F.P.Knight
File
DF

MHSalsbury:rm

August 16, 1944

War Price and Rationing Board
No. 81.7.1
237 North 2nd Avenue
Phoenix, Arizona

Gentlemen:

Mr. Herbert Mallamo represents the National Mining and Milling Company who have quicksilver operations in the Sunflower district.

They have a P-56 Serial Number and an O.D.T. certificate, and their operation is strategic.

We recommend they be given the gas and/or tires they require.

Yours very truly,

Chas. H. Dunning
Director

CHD:LP

June 17, 1943

Mr. W. C. Broadgate
Hotel Harrington
Washington, D. C.

Dear Bill:

This will introduce Mr. Ralph F. Forch who will be in Washington early the week of June 21 on business connected with the Wilshire Oil Company of California, George L. Machris, President.

Mr. Machris is the sole or principal owner of the National Mining and Milling Company employing P. G. Flumerfelt as superintendent. The National Mining and Milling Company have taken over the Arizona Quicksilver Mine at Sunflower and, in addition, have the Sunnyside and Cornucopia quicksilver properties. They have been doing extensive development work during the past eight months, have purchased the properties, are in over \$200,000 in cash, and are about ready to start active production in quicksilver.

I have been in close touch with all of their operations to date and I know you will be interested to know that about six weeks ago Loyde C. Edmonson, a member of our Board of Governors, was put in charge of general engineering and supervising development.

The company has also taken over the Coorehan gold property at Dripping Springs and it is in this connection that I am writing, merely giving you the information regarding the company as a background.

Mr. Forch, as attorney for the company, is directly interested in full compliance with the L-208 limitation order as regards gold mining. Before he can advise the company to go ahead he wishes some official sanction for carrying on this work.

I have examined the Coorehan gold property and know that it can produce a substantial tonnage of better than 80 percent siliceous ore. Flumerfelt has contracts with the International smelter and the A.S. & R. plant at Hayden for 1,500 and 1,000 tons per month respectively of this ore. It is very much needed as a flux in both of these operations for fluxing the copper ores.

The Coorehan ore is a strictly gold ore, however, and as stated, Mr. Forch wants an official sanction for the company to go ahead and operate and also a statement that the company is entitled to the P-56 order with an A-2 rating.

June 17, 1943

MEMORANDUM

NATIONAL MINING & MILLING FLUXING ORE

TO: W. C. Broadgate

FROM: J. S. Coupal

I have a personal interest in seeing that this operation goes ahead. My interest is strictly personal as I have worked closely with Mr. Flumerfelt and would like to see him go ahead and also would like to see Loyde Edmonson benefit as he is partly instrumental in bringing the Coorehan gold property to the attention of Flumerfelt.

The real status of the situation is this: Mr. Flumerfelt is sold on the Coorehan property and has purchased it and is now trying to get the National Mining and Milling to take it over. All the papers are signed, the property has been approved, and everything is in order excepting the fact that Mr. Forch, who is attorney for the Wilshire Oil, Mr. Machris, and the National Mining and Milling, does not feel as though he should approve the purchase of the property until he is convinced that the company can operate and not be in conflict with limitation order L-208.

I do know that under limitation order L-208 definite permission has been granted some operations to continue or to resume.

This may or may not be necessary under these particular conditions but I wish you would give it your personal attention and also convince Mr. Forch that your advice is in line with the requirements of limitation order L-208.

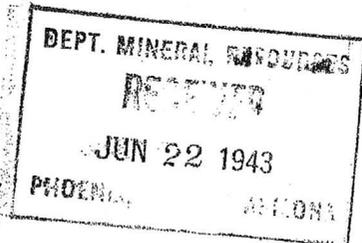
I have talked with the International and with the A.S. & R. plant and they both are in dire need of additional high silica fluxing ores.

Please do your best and if you need additional information, call on us.

Just for your information Mr. Flumerfelt has received the following wire from Mr. Forch and will meet with Mr. Forch tomorrow and will present him the letter of introduction to you that I have just written.

"Please have Arizona officials advise Edward H. Rott, Deputy Administrator, Limitation Order L-208 Mining Division War Production Board Washington DC need of Arizona smelters for siliceous ores produced from Golden Queen Group."

Washington, D:C.
June 20, 1943



SUBJECT: National Mining and Milling Fluxing Ore.

I shall be pleased to discuss this with Mar. Forch.

However, a more unfortunate time could not have been selected for this sort of a deal.

You will note by my memos which crossed in the mail to Charlie that the chances are the gold closing order will be tightened.

You will also note from the copy of McNutt's letter to Scrugham that non-cuprous fluxing ores are considered unessential, excepting where copper bearing ores cannot possibly be had.

We have been fighting this with the Hardy mine, you know, and as silver now is essential to a considerable degree, and gold is still considered by WPB and principally by the Army to be a waste product, this proposition is much worse.

The matter should first be taken up with the copper production section to see if they will recommend the ores for necessary flux. If they will not, there is no use of going further. If they will, there is a good chance of getting a P-56.

Even this situation is tougher since Frank Ayer was kicked out and Moulton is now in the saddle.

I will do what I can, but the cards are stacked against me just at this turn of the tide all around.

He should be well equipped with demands from the smelting company and I will put him in touch with the engineer who is making up the fluxing schedules.

I note your statement that Forch wants an A-2 rating. Of course, this rating is due any operator without ~~an~~ a special P-56, so if he can run on an A-2 he had better do so and not open up the question.

Bill Broadgate

304xxx

February 28, 1944

Mr. George L. Machris
1206 Maple Avenue
Los Angeles, California

Dear Mr. Machris:

I have just received a memorandum from W. C. Broadgate, Assistant Director for the Department in Washington, saying that he had taken up the question of an adjustment for the Arizona producers of mercury and after some decided effort, had been able to arrange through Messrs. Carlisle and Joralsen to have an engineer named Sampson make careful examination of your property so as to report facts which would justify some modification of the proposed settlement made on January 31 regarding your production of mercury up to December 31, 1944.

I would be pleased to know the results of such examination and be of any further assistance possible to you.

Yours very truly,

J. S. Coupal, Director

JSC:LP

CC: Mr. Percy Flumerfelt

February 7, 1944

Mr. George L. Machris
1206 Maple Avenue
Los Angeles, California

Dear Mr. Machris:

While in Denver at the war metals conference I had chance to discuss the unfairness of the recent cutting off of qualified mercury producers as of January 31, 1944. We discussed this situation in full and the general statement was that all producers should have known the conditions under which they were operating and this cut-off was definitely stated in the granting of the premium to qualified producers. Further discussion on this subject followed, however, and we have obtained a more favorable attitude.

I wish to quote from a memorandum just received from W. C. Broadgate, who is assistant director of the Department located in Washington. He was with us in Denver and on his return by train to Washington had chance to discuss settlements with the chief of the Mercury Section. I would like to quote his comment as follows: "I asked him about settlements and he said in his opinion where there was less than 11 months ore showing in the mine reserves Metals Reserve Company would probably take the delivery rather than pay the penalty."

My suggestion to your company is that you write to Metals Reserve Company, Washington, D. C., attention DeWitt C. Smith, stating that a grave injustice would be done to your operations if the Metals Reserve Company would not receive the mercury your company produced up to and including December 31, 1944. In any such letter I would state approximately the tonnage of ore that you have actually blocked out in your mine at the present time. When we speak of blocked out ore it means it is opened on three sides ready for sampling. This condition rarely exists in small mine operations and from what I have seen of your property I would say that there is very little ore that can be considered positively blocked although there may be a large tonnage reasonably in sight.

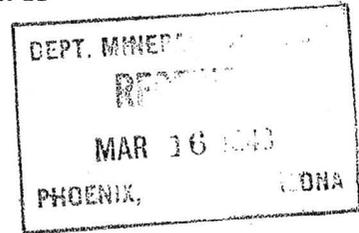
Yours very truly,

J. S. Coupal, Director

JSC:LF

Washington, D.C.
March 14, 1943

SUBJECT: Arizona Quicksilver Co. ✓
Mercury contract



Please note the attached.

I also visited Smith on this. I am told, confidentially, that the property they are moving to is a lemon.

Senator Henderson told me, (not for publication he emphasized) that they are now studying the extension of contracts for 1944, in this as in other metals.

Smith also mentioned it to me later the same afternoon, and it will not be long before the announcement is made, I have reason to believe. I strongly recommended to the Senator that the announcement be made as soon as possible as it would encourage private capital.

Bill Broadgate

January 18, 1944

Mr. Woodside ✓
c/o Mr. George L. Machris
Wilshire Oil Company
Los Angeles, California

Dear Mr. Woodside:

I am enclosing the application for registration in the State of Arizona for the name used by an individual for doing business in the state under that name.

From Amos Betts, Corporation Commissioner, I understand that this is all that is necessary for your company to file.

Yours very truly,

J. S. Coupal, Director

JSC:LP
Enc.

not my + Miller

July 2, 1943

Mr. Loyde C. Johnson
Route 1
Globe, Arizona

Dear Loyde:

I am enclosing a copy of a memorandum just received from Bill Broadgate, regarding the situation on Flaming ore as a result of his investigation with Mr. Forch and the War Production Board.

From this it appears that it is going to be extremely difficult to make any headway toward getting a straight gold ore authority to operate.

It may be possible, with the copper showing you mention on the adjoining property, to do some work on your property and expose some copper ore, but any such work will have to be very thorough and not mere casual.

Evidently, from the date on Bill Broadgate's memo, and the copy of your letter to Bill of the same date, your remarks about the property being essentially a copper-producer may have some bearing, provided you were specifically going ahead to try and develop the copper possibilities.

With best wishes, and kindest personal regards.

Very truly yours

J. S. Campbell, Director

JSC/ach
cc-F. C. Flumhoff

August 3, 1943

National Mining & Milling Co.
Hotel Adams
Phoenix, Arizona

Attention: Mr. Percy Flumerfelt

Gentlemen:

Confirming our telephone conversation regarding the copper on your Dripping Springs property, in view of the fact that this property has shipped according to affidavits which are in your possession 5 or 6 cars of ore running from 5 to 7 percent copper and 18 percent gold, I feel as though you can go ahead with full assurance that no interference will be made by Washington agencies on your operations.

You should be able to get priorities and also at least the first quota of 5 cents a pound on copper, providing you make application for the quota, as the property did not produce 200 tons of copper metal during 1941.

The closing order on gold properties was made for strictly gold properties and does not apply to a copper ore, even though the gold content is in excess of the dollar value of the copper content, provided the ore carries an amount of copper such as your affidavits show.

They are in dire need of an increased copper production and I know Washington will take no steps that will slow up any production.

Very truly yours,

J. S. Cougal, Director

JSC:LP

August 3, 1943

National Mining & Milling Co.
Hotel Adams
Phoenix, Arizona

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They are in dire need of an increased copper production and I know Washington will take no steps that will slow up any production.

Very truly yours,

J. B. Connel, Director

JSC:LF

July 2, 1949

Mr. Loyde G. Edmonson
Route 1
Globe, Arizona

Dear Loyde:

I am enclosing a copy of a memorandum just received from Bill Broadgate, regarding the situation on Flaming ore as a result of his investigation with Mr. Forch and the War Production Board.

From this it appears that it is going to be extremely difficult to make any headway toward getting a straight gold ore authority to operate.

It may be possible, with the copper showing you mention on the adjoining property, to do some work on your property and expose some copper ore, but any such work will have to be very thorough and not mere cursory.

Evidently, from the date on Bill Broadgate's memo, and the copy of your letter to Bill of the same date, your remarks about the property being essentially a copper-producer may have some bearing, provided you were specifically going ahead to try and develop the copper possibilities.

With best wishes, and kindest personal regards.

Very truly yours

J. S. Counsel, Director

JEM/ach
cc-F. C. Flumerfelt

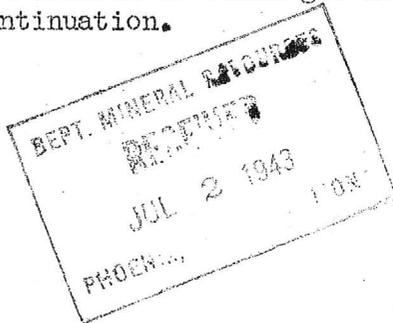
Washington, D.C.
June 29, 1943

SUBJECT: Golden Queen fluxing ores

Had Forch over at WPB this morning. The results were about as I expected and follows the information I have given you in the past relative to fluxing ores for copper smelters.

1. Present operating mines producing flux with no base metal values will not be disturbed at the moment.
2. No new ones will be permitted to start as long as flux can be obtained ~~with~~ from mines with copper ores.
3. WPB feels it will get enough of these and then can progressively shut down the straight fluxing properties, 1st in favor of any mine with copper bearing fluxing ores and 2nd, if enough higher grade fluxing ores are obtained, the low copper content jobs may be shut down in order of importance.

This, of course, makes it difficult for anyone to put money in such a deal even if he could get immediate permission as there is no guarantee of continuation.



Bill Broadgate

June 29, 1943

DEPT. MINERAL RESOURCES
RECEIVED
JUL 1 1943
PHOENIX, ARIZONA

Mr. E. C. Broadgate
Washington, D. C.

Dear Bill:

With reference to the priorities you were seeking on the Dripping Springs property that Sam wrote you about, I think it may help to let you know that the company operating adjacent to this property have now encountered high-grade copper ore in the immediate vicinity of our side line. They are presently shipping all ore, as pulled, and getting an average of 10 to 14 per cent copper. I am told that from 4 to 6 feet of this assays from 24 to 26 per cent copper.

The above description will show that the property in question is essentially a copper producer and if presented as a gold Mine, this should have considerable bearing in speeding up priority certification.

I trust that this will reach you in time to be available to Mr. Forch also and that it will tend to expedite matters.

Many thanks for your efforts in our behalf and I shall be glad to hear how you are progressing.

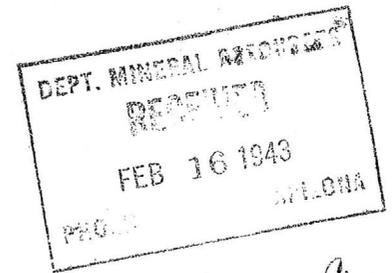
With kindest personal regards, I am

Cordially yours,

L. Edmondson

cc-J. S. Coupal, Phoenix, Arizona

Washington, D.C.
Feb. 14, 1943



✓
SUBJECT: Arizona Quicksilver Mine
Extension of contract
Willis memo Feb. 10

I got hold of DeWitt Smith yesterday and talked this matter over again.

You know that he told me originally that if the situation was serious and the money to be covered was a considerable amount, something might be done.

However, the law will not allow them to move, they find, within the present period, to extend beyond the end of 1943 without doing the same for all producers. This is a case caught in a general trap.

They also feel that they have covered nearly all of the capital expenditure made to date.

However, confidentially, as it cannot be publicized or put in a Metals Reserve letter, it is expected that in the next three or four months at the outside, legal arrangements will be made to extend contracts through 1944. Then Arizona Quicksilver will be given further consideration and undoubtedly the contract will be extended as much as they need.

So I don't think they have anything to worry about. I talked to Dick Lund, WPE, in charge of quicksilver, and he told me he expected the price to remain firm indefinitely. He felt gratified with the way the increased price has improved production, and I know that they went to bat pretty hard with OPA to get it.

Temple Bridgeman is not the man to see in these cases.... he is entirely subject to Smith's wishes. If there is anything further on this, I will do what you wish.

Bill Broadgate

United States Senate

WASHINGTON, D. C.

2/25/43

Dear Charlie —

Just talked to H. Hewitt Smith in Arizona quick.

He feels, as I did in getting your letter, that there must be something wrong when these people will throw over \$105,000 when they have 10 months to run & are supposed to get into production in April — frankly, it looks like no ore, and this an excuse to shut down.

If they have the ore and can produce at the claimed rate, neither WPB nor MRC wants to see them shut down, in spite of the fact that the contract cannot be extended beyond December, at the moment. There would not be the slightest difficulty in their getting the additional funds as a "MRC" "advance on production" if they have the ore and can produce as claimed, so there would be no excuse for shutting down until this avenue is explored, as they would not have to put in any more of their funds. I promised Smith to contact him as soon as I got

United States Senate

WASHINGTON, D. C.

the real facts in this case.

I can say that WPB and WRC are anxious to do the right thing in this case. As you see, the extension of the ~~contract~~ is not the only out. But do they have the ore?

I talked to the Tennessee Schuckill man () yesterday and advised him as to the WRC method of getting money to meet his bills and get solvent again. I think the new premium will fix them up OK as far as current returns are concerned but they must square up with the Industrial Commission and get some operating capital.

Rush the dope on Arizona quick.

Bill Broadgate

2

United States Senate

WASHINGTON, D. C.

from the government I have no doubt - probably
from Metals Reserve,

Can you get to the bottom of it?

In the meantime I will see what more
can be done.

Bill Brodyate

United States Senate

WASHINGTON, D. C.

2/24/43

Dear Charlie —

Your letter of Feb 22 on Arizona facilities is at hand. I called Lund, WPB, with whom I discussed this matter a couple of weeks ago, and told him the circumstances again, stressing that this plant should be kept open. I sent him a copy of your letter this morning by riding page.

Walt Smith is out of town so could not contact him.

Frankly, I have a feeling that there is something more wrong with this picture than the contract. This contract has ten months yet, and every chance to be extended later.

Also they could get additional finances

March 3, 1943

MEMORANDUM

SUBJECT: Arizona Quicksilver

TO: W. C. Broadgate

FROM: J. S. Coupal

Charlie Willis turned over the correspondence on Arizona Quicksilver to me and has asked me to investigate the situation on the operations conducted by Arthur J. Theis.

I found out that Mr. Theis and his associate, Mr. Shirley Parker, have definitely decided to abandon their operations in the Arizona Quicksilver Mine. They have spent approximately \$100,000 to date and find that it would probably take an additional \$50,000 expenditure before they had sufficient ore showing to warrant going ahead milling and that they could not complete this work until well after May or June. Originally they figured they would be in production by April 1, but development work has proceeded slowly and they found they could not meet their production date.

In the meantime a lead-silver property has been called to their attention at Darwin, California and they have decided to close their operations at the Quicksilver Mine and give full attention to the property at Darwin where they feel assured of more definite and quick returns on their investment.

Mr. Theis has offered the Arizona Quicksilver property to other parties and a deal is now being negotiated for the purchase of the Arizona Quicksilver Mine at \$40,000. Mr. Theis and his associate feel as though they would rather sacrifice the difference between the \$40,000 they asked and the \$100,000 they have invested to date rather than spend the additional \$50,000 with only a guarantee of price up until December 31, 1943.

In January Mr. Theis discussed his problems with me and we tried to get a geologist from the Arizona Bureau of Mines to assist him in a detailed study of the structure so as to determine just where development work should be done. Unfortunately, the geologist from the U. S. Bureau of Mines was engaged in other work and could not give his attention to Arizona Quicksilver. We did obtain a young geologist to do structure study on the property but Mr. Theis was somewhat disappointed in not getting the help that he wished from the Arizona Bureau of Mines.

I will say that the development work on the Arizona Quicksilver during the past six months has been well done, but unfortunately, it has not yet opened up the additional ore desired. A few months additional work might possibly uncover additional ore.

3-3-1943

The showing at the Darwin Mine seemed so much more attractive to Mr. Theis, after the many obstacles he has encountered at the Arizona Quicksilver, that he would rather make the sacrifice and take the loss.

I have talked with one of the men negotiating on the purchase of the Arizona Quicksilver and I am hopeful that operations will be resumed. As a matter of cold facts, development work has not shown up sufficient tonnage to warrant a MRC loan or even to warrant Theis spending the additional \$50,000.

I do believe that 40 or 50 more feet might prove up the situation, but they became discouraged and seek quick profits in the Darwin property so are willing to take their loss and tackle a new job. However, if they had been granted an extension at an earlier date, they might not have quit quite so soon.

The \$50,000 also will be a sacrifice on the part of the MRC. The \$50,000 will be a sacrifice on the part of the MRC. The \$50,000 will be a sacrifice on the part of the MRC. The \$50,000 will be a sacrifice on the part of the MRC.

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February 10, 1943

Dear Bill:

The Arizona Quicksilver Company made application to Metals Reserve for an extension of their guaranteed price on quicksilver and I am enclosing copies of the two letters received today which turned them down.

You can readily appreciate from this why private capital is crazy to put money into strategic metal production.

Of course, it is possible that, in the event the war continues, the price of quicksilver will carry on after December 31, 1943, but on the other hand should they develop quicksilver resources outside the United States prior to that time the guaranteed price to new producers might be withdrawn - in fact this is the situation as I understand there is a considerable potential quicksilver production to come from Mexico.

I believe that you have the full data on this in case you discuss it further with Temple Bridgman.

With kindest personal regards, I am

Yours very truly,

CHARLES F. WILLIS

CFW:NE

C
O
P
Y

METALS RESERVE COMPANY

February 4, 1943

Mr. Charles F. Willis, Consultant
Metals Reserve Company
520-528 Title & Trust Building
Phoenix, Arizona

Dear Mr. Willis:

Re: Arizona Quicksilver Mines

I enclose copy of letter written to Mr. Arthur J. Theis, Trustee for Arizona Quicksilver Mines, P.O.Box 918, Mesa, Arizona, in reply to his request for extension of contract. Mr. Theis in his recent letter stated that his Company had expended \$105,000 to date, and expected to spend an additional \$15,000 to bring this property into production on April 1, 1943.

Since Mr. Theis is already functioning as a "new producer" under our Information Circular dated July 9, 1942 we do not see how we can at this time favorably consider his request for preferential treatment as compared with other "new producers" operating under the same general procedure.

Sincerely yours,

(Signed) H. DeWitt Smith
Vice President

Enclosure

C
O
P
Y

February 3, 1943

Mr. Arthur J. Theis, Trustee
Arizona Quicksilver Mines
P.O.Box 918
Mesa, Arizona

Dear Sir:

This acknowledges your letter of January 30 applying for extension until December 31, 1944 of your contract confirmed August 25, 1942, in accordance with your qualifications as a "new producer" under mercury application Form B of our information circular dated July 9, 1942.

We note that your investment to date has been approximately \$105,000, which you expect will be increased to approximately \$125,000 at the expected date of beginning production April 1, 1943.

We regret that it is not possible to offer you preferential treatment as compared with other "new producers" and, consequently cannot grant the application for extension of December 31, 1944 of your contract confirmed August 25, 1942.

Sincerely yours,

G. Temple Bridgman
Executive Vice President

February 5, 1943

MEMORANDUM

ARIZONA QUICKSILVER

TO: W. C. Broadgate

FROM: J. S. Coupal

I am enclosing copy of letter from Theis to
DeWitt Smith on Arizona Quicksilver.

February 4, 1943

Mr. Arthur J. Theis
Box 918
Mesa, Arizona

Dear Mr. Theis:

I have just received a copy of the letter to you from Eldred D. Wilson, Geologist for the Arizona Bureau of Mines. I am sorry to note that it will be impossible for Dr. Wilson to get at the geological work needed on your property as early as we had hoped.

I may have occasion to see Dr. Chapman within the next week or ten days and if so, I will try to see whether or not earlier action may not be had in assisting you in the geological work.

Very truly yours,

J. S. Coupal, Director

JSC:kk

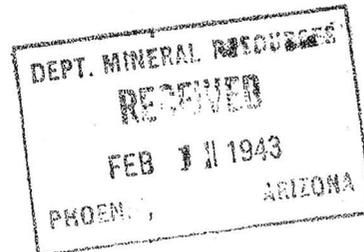
C O P Y

January 29, 1943

Mr. Arthur J. Theis

Box 918

Mesa, Arizona



Dear Mr. Theis:

Mr. J. S. Coupal recently telephoned Dr. T. G. Chapman, Director of the Arizona Bureau of Mines, suggesting that I undertake some geologic work in your district to help guide exploration for additional cinnabar ore.

Dr. Chapman advises me that we will gladly render any assistance possible, and that I might visit the district to discuss the problem with you as soon as time permits.

At present, however, my time is fully committed to other projects, and I probably will not be able to get to your district until about the latter part of February.

Prior to Mr. Coupal's telephone conversation with Dr. Chapman, we were cooperating with the U. S. Geological Survey and the U. S. Bureau of Mines in their work at Twin Buttes, and that work must be completed as nearly as possible before the anticipated unwatering of the mines there has been accomplished.

I was also committed to assist Charles F. Deiss, of the U. S. Geological Survey, in an investigation of the dolomite (magnesium) resources of Arizona as soon as he should arrive here. A letter from Mr. Deiss yesterday advises us that he will arrive early in February.

Mr. Arthur J. Theis
January 29, 1943
Page 2

I was also tentatively committed to assist the U. S. Bureau of Mines in its Aravaipa project, which has since been set to require all of my time next week.

Having already spent considerable time in the Mazatzal Mountains, I know that some weeks of detailed surface and underground mapping of geologic structural features will be necessary for a thorough study of the problems relating to cinnabar ore occurrences in your district there.

I hope that our delay in starting this work may not inconvenience you too greatly.

Sincerely yours,

Eldred D. Wilson

Geologist

cc: Charles F. Willis
J. S. Coupal
T. G. Chapman

January 23, 1943.

Mr. Arthur J. Theis ✓
Arizona Quicksilver
Mesa, Arizona.

Dear Arthur:-

Charlie Willis has just had a letter from DeWitt Smith, W.P.B., man at Washington in reply to the letter regarding an extension of time on the price of quicksilver for your property.

DeWitt Smith asks that you send a complete statement along the lines indicated in the letter Mr. Willis has written as an official request from you to Washington.

I believe it will be best for you to come to Phoenix and get this letter off with such help in phrasing it and presenting the facts as will best fit the case. We would like to assist in doing this.

Charlie and I are leaving for Denver on Tuesday night, January 26th and for this reason we hope you can make Phoenix not later than Tuesday forenoon as we will be gone for about a week and we would like to get your problem before the WFB and in the mill for processing before we leave.

I am mailing this letter to Mesa but will phone and try to get word to you via T. J. Long to be on the lookout for this letter.

With best wishes and kindest regards

Very truly yours,

J. S. Coupal.

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 271

1201

SYMBOLS

- DL = Day Letter
- NT = Overnight Telegram
- LC = Deferred Cable
- NLT = Cable Night Letter
- Ship Radiogram

A. N. WILLIAMS
PRESIDENT

NEWCOMB CARLTON
CHAIRMAN OF THE BOARD

J. C. WILLEVER
FIRST VICE-PRESIDENT

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

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CHARLES F WILLIS-★

520 525 TITLE & TRUST BLDG PHOENIX ARIZ-

RELET TWENTY FIRST SUGGEST ARIZONA QUICKSILVER SUBMIT
FORMAL REQUEST FOR EXTENSION THEIR CONTRACT FOR REASONS
OUTLINED IN YOUR LETTER IN ORDER THAT FORMAL CONSIDERATION
MAY BE GIVEN SUCH REQUEST-

H DEWITT SMITH-

ham 34492
o/c 36817
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January 21, 1943

✓
Mr. Arthur J. Theis
Box 918
Mesa, Arizona

Dear Mr. Theis:

There is to be a War Metals Conference on January 29 and 30 in Denver, at which conference several key men from Washington interested in war metal production will attend to discuss the problems of the small mine industry with their representatives.

We have done considerable work on getting a longer time guarantee for prices from the government on the various war metals and have succeeded in getting an extension to January 31, 1945, on the premium payments for overquota production on copper, lead, and zinc.

As you recall from our correspondence, we have also been working on getting an extension of time with a guarantee of a price on quicksilver beyond December 31, 1943. I believe it will be of value, not only to your copper but to the quicksilver industry, if you can attend this meeting and be prepared to present your problem of a large capital investment to increase your production and the short time during which the guarantee price is established.

I wish to urge you, if you can possibly spare the time, to attend this meeting.

Very truly yours,

J. S. Coupal, Director

JSC:KK

January 21, 1943

Mr. H. DeWitt Smith
Metals Reserve Company
RFC Building
Washington, D. C.

Dear Henry:

I am wondering if it is possible to do anything for the relief of this particular case. I know it to be a reasonable request.

✓
The Arizona quicksilver mine in the Sunflower district was taken over sometime about the middle of 1942 by very experienced mine operators from Montana who had been in the gold business. Arthur J. Thole is manager. They decided to switch to strategic metal production; they are well financed; have a very capable mining organization; and are A-No. 1 people in every way.

Arizona quicksilver has been battered about for many years, the various mines being handled by people without capital; with freak metallurgical ideas; and shrewd operators, and this is the first time that we have had a really experienced and capable mining group take hold of one of our quicksilver properties. They have done a splendid job in systematic development and working out of their problems, and when they took the property over they figured they would have a probable expenditure of about \$70,000 and that the work could be completed by the end of 1942 so that they could get into production by the first of 1943.

They secured a quicksilver contract with Metals Reserve Company as a new producer on August 25 and as you know this contract guaranteed the price until December 31, 1943.

Due to the increased difficulties of doing business and power problems, trouble in getting equipment, and the thousand and one other things that have developed in recent months which increased the expense, they found at the end of 1942 when they had planned on being in production and would have been under normal conditions that they were going to have to expend about \$40,000

W

January 21, 1943

Mr. Arthur J. Theis,
Box 918
Mesa, Arizona

Dear Mr. Theis:

In connection with the proposal that we are putting up to Metals Reserve Company regarding extension of your mercury contract, will you kindly give me the following information to back us up and make it more definite?

What do you anticipate your production will be when you get your have spent your capital investment and start producing?

How long beyond December 31, 1943 should you be guaranteed the \$192 price in order to protect you on return of capital investment?

I believe that these two points are very important in that it would not be normal for Metals Reserve to extend the expiration date indefinitely. They would want to extend it for some definite period; they also would want to know the rate of production which, of course, is what determines the importance as a mercury producer.

I would suggest that you also write H. DeWitt Smith, Metals Reserve Company, EPC Building, Washington, D. C., putting your proposition up to him and include the information asked for above.

I am enclosing a copy of the letter which I am writing to him today.

With kindest personal regards, I am

Yours very truly,

CHARLES P. WILLIS, Consultant
Metals Reserve Company

CPW:MH

P. O. Box 918
Ness, Arizona
January 30, 1943

Mr. H. DeWitt Smith
Metals Reserve Company
R.F.C. Building
Washington, D.C.

Dear Sir:

We hereby apply for extension until December 31, 1944 of our contract confirmed August 25, 1942.

In support of this application we submit the following:

First: When our "Mercury Application Form 'B' - 'New Producer'" was made shortly prior to August 25, 1942, we expected to be producing mercury on or prior to January 1st, 1943, and that our capital investment would then be \$70,000 to \$80,000. Our investment to date is approximately \$105,000 and due to difficulties below mentioned we cannot begin producing until about April 1st, 1943. By that time we anticipate our investment will be about \$125,000.

Second: We have experienced great difficulty in obtaining the necessary labor and such as we have been able to get has been inexperienced and inefficient. We have had to depend on Apache Indians and during much of the time we could not get enough of them. It has been difficult to get experienced and qualified people to train and direct them. We now have a good organization and development is progressing satisfactorily.

Third: Our development as originally planned was in line with a program outlined in a report made by Mr. Ira H. Jerusalem of March 31, 1931, has not developed sufficient ore reserves to start milling. Additional development work now in progress, together with repairs and replacements to the reduction plant cannot be completed before the end of March of this year.

Fourth: We anticipate a production of 100 flasks of mercury per month based on information we believe reliable of past production from the property, provided the necessary grade and tonnage can be developed. It may be possible to exceed this as the milling plant, after the repairs and replacements have been completed as outlined by the H. W. Gould & Company of San Francisco, will have a capacity of 30 to 35 tons of ore per day.

Mr. E. DeWitt Smith

-2-

1-30-43

We have not and do not contemplate asking for government financial assistance in carrying out this project, and the extension herein applied for will make it possible for us to complete the program as outlined.

Very truly yours,

✓
ARIZONA QUICKSILVER MINES

AJT:dh

Arthur J. Thoin, Trustee

December 29, 1942

Mr. Arthur J. Theis
Care of Shirley D. Parker ✓
716 North Palm Drive
Los Angeles, California

Dear Art:

I am enclosing a copy of a memorandum just received from Bill Broadgate in Washington on the subject of mercury and the MRC price deadline. This is Broadgate's reply to the copy of your letter asking for an extension beyond December 31, 1943 of a mercury price and also my appeal to him to take this matter up and get a decision.

I am making plans to be in Los Angeles on December 31, 1942 to January 2 and will call you and let you know just where I am staying so that we may get together and discuss this subject.

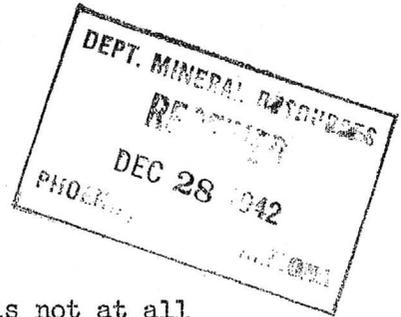
It is barely possible that I may take your kind offer to return with you to Phoenix on the second or third, but I will phone you and advise you when I am in Los Angeles.

Very truly yours,

J. S. Coupal
Director

JSC:kk
Enclosure

Washington, D.C.
Dec. 24, 1942



SUBJECT: Mercury,
MRC price deadline

I talked to John Norton about this this morning and he was not at all encouraging as he stated Metals Reserve had a hard and fast rule about the ending of this price arrangement.

I then went to De Witt Smith and explained the circumstances. He first said the same thing, but finally stated that if part of the financial program overhangs the date of the Metals Reserve contract the Arizona Quicksilver Mine has Metals Reserve would be inclined to extend for a sufficient time to get the Company out of its financial commitments.

In other words, Theis should write Metals Reserve (addressing no particular person). He should outline exactly what he has been doing, along the line of the Coupal memo. It would be a very good idea to attach ~~the~~ a statement from Coupal corroborating the facts and conclusions as stated in the memo of Dec. 21.

He should state the reasons for the delay and all about the fact that they yet have to raise and spend some \$28,000.

They should not ask for a blanket year's extension, but should figure out just how much time it will take additionally to bring them out of their investment.

In other words, the additional expenditure of funds is the real reason for the extension.

I said that, after all, a ~~contracted~~ company's financial backing often depends on having a sufficient contract and these people should certainly have a firm contract for the length of time required to pay back the investment. Smith emphasized the fact that the extension would be to cover the ADDITIONAL expenditure, not that already made, up to the time the contract was made that is at present in force.

You will understand that this is all off the record and a matter of guidance for the AQC. They will have to initiate the deal with their letter and fare as the merits appear to be to the MRC. In other words, what I was told unofficially does not in any way bind the MRC.

Very truly yours,

Bill Broadgate

December 21, 1942

H

MEMORANDUM

MERCURY

EFFECTIVE PRICE DATE TO DECEMBER 31, 1943
EXTENSION OF TIME

TO: W. C. Broadgate

FROM: J. S. Coupal

I have just returned from an examination of the Arizona Quicksilver Mine in the Sunflower District and discussed with Mr. Arthur J. Theis, Manager, the situation he is confronted with on the determination by the Metals Reserve that the present price of quicksilver, \$192 per flask, will remain in effect until December 31, 1943. I know you are well acquainted with the dealings on the Arizona Quicksilver through Dr. Thompson.

The work being carried on at the Arizona Quicksilver is of a very permanent nature and they have spent approximately \$78,000 to date. Before they get into production their expenditure will amount to \$110,000 and this production will not be had until the latter part of the first quarter of 1943. Under normal conditions it will be impossible for them to get the return of their investment before the end of 1943, and they ask our assistance in trying to obtain an extension of time in order to reimburse them for their expenditures beyond the end of next year.

I have before me a letter confirmed by G. Temple Bridgeman, Executive Vice President of the Metals Reserve, on the form for mercury applications form "B", "New Producer", which confirms the date of December 31, 1943 for the Arizona Quicksilver. This particular mine has been a black eye to the quicksilver production of Arizona for a number of years due to the fact that the former groups who have attempted to operate the property have tried to do so on short money and have in all instances gutted the mine and made make shift arrangements to revamp the furnace procedure.

I have discussed operations many times with Mr. Theis and we are both convinced that the property has considerable merit and will be a substantial producer for some time to come and that on the showing substantial development and mill improvements were justified. I examined both the underground workings and the plans for the changes in the furnace arrangement and ore bins and can state that they are being done in a very workman like manner with an aim and object of making the property a steady producer. I believe the company is entitled to an extension of time beyond December 31, 1943, on a \$192 price for mercury and would appreciate your taking this up with proper sources.

P.S. I might add that Bridgeman was a 1908 Tech man and we were more or less acquainted when we were at the institute.

Arizona Quicksilver Mine
Box 918 Mesa, Arizona
December 15, 1942

Mr. J. S. Coupal
Director Department of
Mineral Reserve
413 Home Builders Building
Phoenix, Arizona

Dear Mr. Coupal:

In June of 1942 we bought the property of the Arizona Quicksilver Mines located in the Sunflower Mining district of Arizona, 80 miles N.E. of Phoenix.

This property was equiped with a complete mine plant, Deisel electric power and a Gould 60 ton furnace in 1928. The property up to and including 1931 produced under the management of the original operators 1400 flasks in 13 months operation. The depression period bankrupt the original owners and the property since that time has been in the hands of six different sets of leasers who took over the property with the idea that they could take ore from the original developement work and build up a defficiency in working capital. The result was that the mine has been badly gouged, no new development work was done and at the time we took the property over it was necessary to completely rehabilitate everything from the camp buildings to the mine and mill.

In June of 1942 I applied to the Metals Reserve Company for a contract that would assure us a market for our production for a sufficient length of time that would permit us the return of our investment; which we estimated at that time would be in the amount of \$60,000.00 to \$70,000.00, and that we would be in production by the end of 1942.

We have now come to that time and we are still two to three months from actual production. The reasons we have not been able to full-fill our original schedule are; extreme difficulty in securing efficient help, lack and difficulty in securing some critical materials, the main reason however was that the mine required a great deal more repairing and development than was anticipated. Our investment will be more than \$110,000.00 before we are in production, and our contract with the Metals Reserve Company dated, August 25th, 1942, ends December 31st, 1943. It is therefore self-evident that we will not be able to complete the return of our investment in 1943, and we would like to have your advice as to whether the Metals Reserve Company would look with favor upon a request from us for an extension of our contract through 1944.

December 15 1942

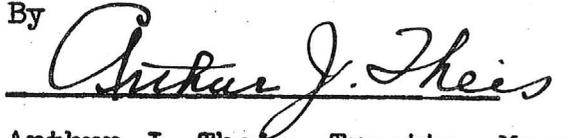
We will gladly submit our records to any one for examination, and will welcome any inspection that the government may make of our operation.

We appreciate the help that your department has been to us since we came to Arizona, and wish to take this opportunity to thank you for your many courtesies. It is our hope that we can partly compensate you by turning in a good production record, and a mining enterprise that will be an asset to your state.

Yours sincerely,

Arizona Quicksilver Mine

By



Arthur J. Theis, Trustee, Manager.

MERCURY APPLICATION FORM "B" - "NEW PRODUCER".

Metals Reserve Company
811 Vermont Avenue, N. W.
Washington, D. C.

Gentlemen:

Reference is made to your domestic mercury Circular of July 9, 1942, wherein it is stated that you will purchase domestic mercury on the basis of \$192.00 per flask f. o. b. warehouse New York area from "new producers" for the period and upon the terms and conditions set forth in such Circular.

We certify that in April, 1942, we produced at our property known as The Arizona Quick Silver Mine and located eighty miles northeast of Phoenix, Arizona, no flask and no more of mercury, the total net weight of said mercury being no pounds avoirdupois, and consequently consider ourselves a "new producer" as defined in your Circular.

We hereby assure Metals Reserve Company that we will aid in supplying the increased requirements for war by operating our above described property at its maximum possible capacity for the period stipulated in said Circular.

We understand that you will accept from us upon the applicable conditions of said Circular all mercury derived from such operation meeting the specifications set forth in said Circular on the basis of \$192.00 per flask f. o. b. warehouse New York area, that a deduction of \$4.00 per flask for shipping and handling charges will be made from said price where delivery is made outside the New York area; and that said price will remain in effect until December 31, 1943, or any part, at our option, of the

No Member of or Delegate to the Congress of the United States shall be admitted to any share or part of this contract, or to any benefit arising therefrom, but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

Your endorsement upon the attached copy hereof, which shall be returned to us, will evidence your agreement to our participation in the program.

Confirmed subject to insertions
herein made

Very truly yours,

ARIZONA QUICK SILVER MINE
(Name of "new producer")

By Arthur J. Heis
Trustee

Confirmed this 25th day of
August, 1942.

Box 918
Mesa, Arizona

METALS RESERVE COMPANY

By George Lindeman
Executive Vice President

November 12, 1942

Office of Defense Transportation
Division of Motor Transportation
War Production Board
Phoenix, Arizona

Gentlemen:

The National Mining and Milling Company, Bendix Building, Los Angeles, California, Mr. P. G. Flumerfelt, Superintendent of Arizona Operations, owns and operates the Sunnyside Group consisting of twenty-two claims in the Sunflower District, eighty miles northeast of Phoenix on the Bush Highway in Maricopa County but close to the Gila County line. They are in need of a truck for transportation of supplies and products to and from the mine. This group of properties has had a production of approximately 1,000 flasks of mercury which has covered a number of years. There are twelve men now at work on development, and as soon as sufficient openings are uncovered, plans are being made for a concentration plant.

Some \$10,000 worth of equipment has been moved to the property and it is now in operation.

The company requires a three-quarter ton stack body Chevrolet truck, and as the production of mercury is one of the critical needs under the present war effort, I can certify as to the need of their having a truck.

Very truly yours,

J. S. Coupal
Director

JSC:kk

November 12, 1942

Mr. Arthur J. Theis
Arizona Quicksilver Mine
Adams Hotel
Phoenix, Arizona

Dear Mr. Theis:

There is to be a meeting of the Metals Division of the American Mining Congress at Hotel Utah, Salt Lake City, Utah on November 16 and 17. At this meeting the heads of the various departments and agencies in Washington working on the War effort productions of metal will be present to discuss with mine operators at a round-table conference the various problems effecting mine operators and an increase in the production of metals.

Mr. Willis, Chairman of the Board of Governors of the Department, and also Executive Secretary of the Arizona Small Mine Operators Association, will be there. I expect to be there, also, with Mr. Earl Hastings, who is Assistant Director of this Department.

I believe it will be of real value to you and your operations if you could also arrange to be present to assist in presenting some of the problems effecting production appearing in Arizona; and at the same time, you could present some of the angles which you encountered in your Montana operations.

With best wishes and kindest regards,

Very truly yours,

J. S. Coupal, Director

JSC:kk

November 12, 1942

MEMORANDUM

SUBJECT: S. D. Parker
Arizona Quicksilver

TO: W. C. Broadgate

FROM: J. S. Coupal

Many thanks for your memorandum on the contacts and procedure by S. D. Parker.

I did make a connection for the people who represented him and obtained an option and then turned it over to Shirley D. Parker and his interests.

They are making good progress on mine development, and I hope will make a real producer out of this property.

There was a lot of loose talk regarding the deal on Arizona Quicksilver, but it was all straightened out.

I do know that they appreciate the assistance you gave to Dr. Thompson on this property.

United States Senate

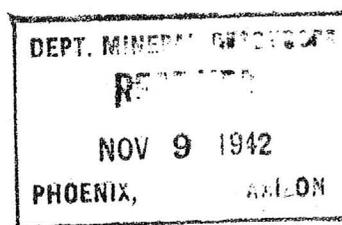
MEMORANDUM

Nov. 7, 1942

Dear Sam,

I was consulted today on some matters of contacts and procedure by one S. D. Parker who said he is interested in the Arizona Quicksilver with which deal you were connected.

Bill



August 29, 1948

Mr. Howard Beebe Ross
State Rationing Executive
1826 West McDowell Road
Phoenix, Arizona

My dear Mr. Ross:

This will introduce Arthur J. Theis who is in charge of operations on the Arizona Quicksilver Mine which is located off the Bush highway about 75 miles from Phoenix.

Mr. Theis has been overhauling the old Quicksilver furnace and carrying on extensive development at the mine. He will be in production within about sixty days on a 75 tons daily basis. Over and above the purchase price of the property, Mr. Theis has spent \$30,000 within the last two months.

The Department of Mineral Resources played an active part in interesting Mr. Theis and his associates in taking over this property and we feel sure it is the start of an substantial and steady production from an old producing mine which has had a good record.

This operations has Serial No. 88-191 from the WEB on priorities, but this does not cover tires. I believe Mr. Theis qualifies as a producer and should be entitled to tires.

Very truly yours,

J. S. Coupal,
Director

JSC:hal

any Evaluation

August 3, 1942

Mr. Arthur J. Theis
Box 918
Mesa, Arizona

Dear Mr. Theis:

I am sending you a copy of the latest
release from the Metals Reserve Company on mercury.

Yours very truly,

J. S. Coupal, Director

JSC:LP

orig. Quicksilver

July 29, 1942

The Beverley Hills Tire Rationing Board
Beverley Hills, California.

Dear Sirs:

Mr. Shirley D. Parker of 716 N. Palm Drive, Beverley Hills, is the owner and operator of the Arizona Quicksilver Mine which is located in the north-eastern part of Maricopa County, Arizona.

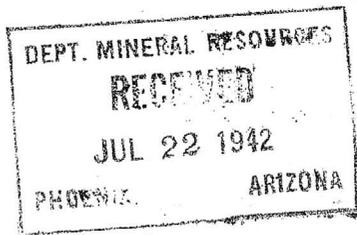
This property has a large production of quicksilver, a much needed war metal, and the mill and mine are in process of remodeling. In connection with the work needed to step up this production on this property, Mr. Parker will need tires; and we feel he is entitled to your consideration in this matter.

Our aim is to step up production, and we hope that Mr. Parker will receive your valued assistance.

Very truly yours,

J. S. Coupal,
Director.

JSC/EM



July 20, 1942

Hotel Harrington,
Washington, D.C.

Arizona Quicksilver Mine,
Mr. Arthur J. Theis,
P. O. Box 918,
Mesa, Arizona

Dear Mr. Theis,

I certainly appreciate your kind letter of July 18th.

It is always gratifying to accomplish promptly what will definitely expedite the war effort and I do my best although the outcomes are not always so fortunate as in this case.

I am forwarding your letter to Mr. Coupal, who no doubt is in contact with you.

Wishing you the greatest success with your enterprise,

Very truly yours,

W. C. Broadgate
Asst. Director



July 18, 1942

Mr. W. C. Broadgate
Hotel Harrington
Washington, D. C.

Dear Sir:

I am in receipt of a letter from Dr. Thomson telling me of the fine things you did in our behalf in securing our priority for the Arizona Quick Silver Mine. Dr. Thomson sent me a copy of your letter of July 7th, in which you called attention to the fact that there already is a Boaz Mine here in Arizona. I am immediately taking the necessary steps to change the name to "Arizona Quick Silver Mine".

I called on Mr. Coupal yesterday and told him of the fine cooperation we had had from you.

We are very grateful and wish to in some way compensate you for your valuable assistance. Please tell us how we can be of help to you.

Yours sincerely,

Arthur J. Theis

Arthur J. Theis
Box 918
Mesa, Arizona

July 17, 1942

MEMORANDUM

✓ ARIZONA QUICKSILVER MINE
BOAZ MINE

TO: W. C. Broadgate

FROM: J. S. Coupal

Mr. Arthur J. Theis is in the office at present and he has shown me some correspondence with De Witt Smith which was interpreted as a foundation for a loan. This operation is not asking for any loan and I was quite surprised when I received your note of it.

When Mr. Theis was first in the office I called his attention to a paragraph from a letter by H. De Witt Smith written on May 16 to Charles F. Willis. The paragraph I refer to is as follows:

"In any event, we are willing to make contracts with companies who are making investments in plants for new production or for the expansion of production for a sufficient period of time to permit them the return of their investment."

This paragraph followed one which discussed quicksilver and in which it was stated that they are reconsidering the question of a continuity of price on quicksilver, so we take it that the paragraph regarding investment was for quicksilver plants. Mr. Theis explained this carefully in his letter of June 5 to H. De Witt Smith and there was evidently some misunderstanding. The company is not looking for a loan but is only looking for a contract, as mentioned, to provide them sufficient time and continuity of price to allow them to retire their capital.

You may have had further correspondence on this particular subject with Dr. Thompson. I am merely writing this to clear your records.

July 17, 1942

Mr. Walter Wilson, Clerk
Maricopa County Superior Court
Phoenix, Arizona

Dear Mr. Wilson:

This will introduce to you Mr. Arthur J. Theis, trustee for operations now being carried on at the Arizona Quicksilver Mine in the Sunflower District.

The Department of Mineral Resources was instrumental in assisting Mr. Shirley D. Parker and Mr. Theis in taking over this property and they are of long standing in the mining work. I hope there will be no difficulty in Mr. Theis receiving a powder license.

Thanking you for your attention, I am

Yours very truly,

J. S. Coupal, Director

JSC:LP

July 17, 1942

Sugar Ratinning Board

Gentlemen:

This will introduce to you Mr. Arthur J. Theis, trustee for operations now being carried on at the Arizona Quicksilver Mine in the Sunflower District.

The Department of Mineral Resources was instrumental in assisting Mr. Shirley D. Parker and Mr. Theis in taking over this property and they are of long standing in the mining work.

I hope you will be able to arrange so that Mr. Theis will have no difficulty in obtaining sugar for his boarding house.

Thanking you for your attention, I am

Yours very truly,

J. S. Coupal, Director

JSC:LP

MONTANA SCHOOL OF MINES
BUTTE

July 11, 1942

OFFICE OF THE PRESIDENT

orig. Duoban line

W

Mr. W. C. Broadgate
Hotel Harrington
Washington, D. C.

Dear Mr. Broadgate:

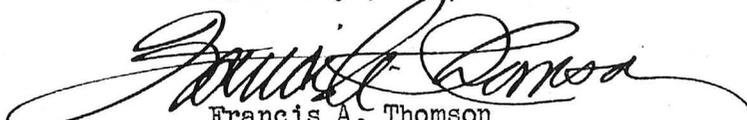
Thank you for your air mail letter of the 8th which reached my desk this morning.

Please let me congratulate you and thank you for your speedy and satisfactory handling of this matter. I have already sent forward a copy of your wire of July 8 to Mr. Theis whose Arizona address is: Box 918, Mesa, Arizona, and I am also sending forward, by air mail today, your letter and the file which you have been kind enough to return. I am also writing, in accordance with your request, a thank-you note to Dr. Nelson's office, a carbon copy of which is attached hereto.

For your information, I may add that Mr. Theis and his associates do not, at present, contemplate application for a loan and I have so advised DeWitt Smith.

With admiration for your ability to get quick results, I am

Cordially yours,


Francis A. Thomson
President

FAT-
ih
encl.
cc:- Mr. A. J, Theis



July 10, 1942

MEMORANDUM

✓
ARIZONA QUICKSILVER
BOEZ MINE
Sunflower District
Maricopa County

TO: W. C. Broadgate

FROM: J. S. Coupal

On the assistance you have given Dr. Thompson on this property I am quite sure that we will be able to have Mrs. Theis respond by a monthly donation to the Washington Fund and this will take care of the good work you have done for Dr. Thompson and Messrs. Parker and Theis on this subject.

I am also interested in this matter as it was on my recommendation that they took quick action in getting the property.



Washington, D.C.
July 10, 1942

ARIZONA QUICKSILVER MINE
SUBJECT: BOAZ MINE
SUNFLOWER MINING DISTRICT
GLOBE, ARIZONA

Please note that priorities are assigned to this operation under the style Arizona Quicksilver Mine, not Boaz Mine as your memo is subject headed. As you are in touch with these people you can explain the situation personally. Also impress them with the fact that this was a very tough job to get through.

You may assure them privately that if they will immediately fill out the forms which have been sent them, properly supported, for \$20,000, they will get this loan as a matter of mere routine as the necessary recommendations have been made.

I know they asked for more money, or would like to get more, but they had better take what is easy and let the RFC get its feet wet, rather than doing any quibbling for a larger loan all in one piece, as I will tell you that \$20,000 is all the Quicksilver Branch will OK for them at this time until they see how it looks.

Bill Broadgate

P.S. Re my suggestion for naming mines... the names would SOUND good anyway on a hot day. Frank Hayes was crabbing to me today about the trouble they have in their branch because of name duplications and I told him that it is possible we might put out a bulletin on the subject, or an item in Pay Dirt. We realize the established operations cannot readily change, but new ones can adopt a distinctive style under which to do business.

July 9, 1942

MEMORANDUM

BOAZ MINE OF ARIZONA
✓ ARIZONA QUICKSILVER MINE
SUNFLOWER MINING DISTRICT
GLOBE, ARIZONA

TO: W. C. Broadgate

FROM: J. S. Coupal

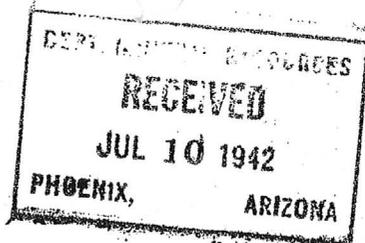
I am glad you were able to handle this subject as promptly as you did.

Mr. P. J. Flummerfelt of Boise came into the office looking for a quick-silver property to present to Shirley D. Parker of Yakima, Washington, and I recommended highly that they take over the Arizona Quicksilver Mine and made the contact for them with J. T. Long and Gus Manguson, owners, both of Globe. A cash deal was made on this property of \$30,000 and it was real money paid on the barrelhead.

My understanding now is that they are moving men and equipment from the Boaz Mine located in Montana close to the Idaho line and that they will go ahead with the sound development project.

I do hope that their loan can be put through as the mine warrants development and sound mining operation which it has not had in the past few years and has resulted in more or less of a black eye for this area.

Your suggestion for naming mines is good.



July 8, 1942

AIR MAIL

Hotel Harrington,
Washington, D.C.

Dr. Francis A. Thomson, President,
Montana School of Mines,
Butte, Montana.

Dear Dr. Thomson,

Herewith please find a copy of the wire sent you this afternoon assigning Mr. Theis' operation the Serial Number 43-191, to be used under the style Arizona Quicksilver Mine.

There is already a Boaz mine in Arizona which conceivably might spring into operation and cause a good deal of confusion, causing the loss and misplacement of files in the Departments as I have found to my sorrow.

You will note that the copy of the application sent me is very poorly drawn and it is nearly impossible to determine accurately what is meant by the heading.

Therefore, I have wired the number to you and the WFB has wired Mr. Arthur J. Theis at Norris, Montana. The actual certificate has been mailed to the Arizona Quicksilver Mine at Globe, Arizona.

There was no misinterpretation of the request... the Quicksilver Division had turned down the application when referred to them by the Priorities Branch. It is fortunate you sent me such complete data.

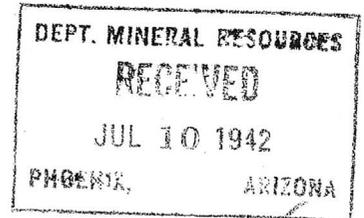
I might add that if your people will properly fill out the application for a development loan which is being mailed them, with proper data to support the application, it is reasonably sure they will get a preliminary \$20,000 from the RFC.

Trusting that you find our results satisfactory,

Sincerely yours,

W. C. Broadgate
Asst. Director
Arizona Department of Mineral Resources.

WASHINGTON, D.C.
July 8, 1942



SUBJECT: Arizona Quicksilver Mine,
Boaz Mine(?)
Sunflower Mining District,
Maricopa County,
P. O. Globe, Arizona.

I am attaching the original letter from Dr. Thomson. You will note he desired the return of the rather voluminous supporting data.

Dr. Thomson inquired if there will be any charge. I have not mentioned this in my letter, as you will note. I put in the best part of two days on this deal. If Charlie doesn't feel the Department should charge Thomson, who is evidently doing consulting work on this deal for these people and will probably cop a lot of credit for the idea of putting us to work, at least it seems as though they should be contacted at that end by the ASMOA fund.

I can tell you they would have had a long hard wait if they had tried to straighten this out by letter. They even phoned Marcella Stowe and got no results.

Bill Broadgate

FRANCIS A. THOMSON
BUTTE, MONTANA



Mc Ewing - Jc
~~X 3779~~ X 4319

July 4, 1942

WF-
X 3537
W

Mr. W. C. Broadgate
Hotel Harrington
Washington, D. C.

Dear Mr. Broadgate:

I am sorry to have missed you in Washington last week, but I had only three days and was terribly rushed.

The enclosed file of correspondence, which please return, will be self-explanatory. Acting on the assurance by telephone received by Mr. Martin from Mr. Stow that high priority would be granted, my clients, Messrs. Parker and Theis (pronounced tice) proceeded with the acquisition of the quicksilver property mentioned, and filed through Mr. Martin, as you will see, the necessary request for a P56 rating.

Evidently the request was misinterpreted in Washington and a mere A-10 rating was assigned for a highly strategic operation. We are turning to you for assistance in this matter for two reasons; first, because you are on the ground and know the ropes, and second, because Mr. Theis has already joined the Small Mine Owners Association of Arizona. At the same time we shall be glad to allow you proper compensation for your services.

I would suggest that you bring the file to the attention of Mr. Stow of the Mining Branch of W.P.B. and endeavor to get immediate action as Mr. Theis is already moving part of our Montana equipment and crew to the Arizona property. As a producer of mercury, our Arizona property is, of course, entitled to a high priority rating and I am sure that with your own skillful presentation we will get it.

Please do not hesitate to call me by phone collect or to wire me at my expense, if necessary, in order to expedite this matter, and kindly wire me collect the result of your efforts.

With kindest regard.

Faithfully yours,



Francis A. Thomson
Consulting Engineer

FAT-
mab

cc: Mr. Arthur J. Theis
enc.

▷

DEPT. MINERAL RESOURCES

RECEIVED

JUL 9 1942

PHOENIX,

SUBJECT

ARIZONA

Arizona Quicksilver Company
Boaz Mine,
Sunflower Mining District,
Maricopa County.
P. O. Globe, Arizona.

Washington, D.C.

July 7, 1942

DEPT. MINERAL RESOURCES

RECEIVED

JUL 9 1942

PHOENIX,

ARIZONA

This is a partnership of S. D. Parker, Grover Burrows and Arthur J. Thies, Trustee, mining men of Norris, Montana.

The request for action came to me from Dr. Francis A. Thomson, President of the Montana School of Mines, who evidently is doing some consulting work for this company.

As the property is in Arizona, as the request came well supported by data, and due to the fact that I thought you would like to accomodate Dr. Thomson, I have taken the privelege of handling this inquiry without it taking the usual course through the Phoenix office.

This is a particularly hard case as the application for the P-56 was definately turned down due to the adverse ruling from the Quicksilver Division of the WPB to the Priorities section.

However, in rustling about on the case, I discovered that, while they were adhering to a technical ruling in their recommendations to the Priorities Division, at the same time they had recommended the property for a loan to the Metals Reserve, which in turn had made a recommendation to the Mining Division of the RFC, so I was in a position to put the boys on the spot.

So I have a reversal and abrocation of the rule in this particular case only. I discovered a lad in the Quick section who had examined the property within the last few years, and Jaralemon apparently gave it a pretty fair send-off in 1931.

The job took nearly all day and will take part of tomorrow, but I expect to have the number for Dr. Thomson by noon tomorrow unless my plans slip in the interim.

An interesting matter here also is my old bug-a-boo, the duplication of names. It looks as though they are renaming this property the Boaz Mine, and we already have one of these which might spring into action one of these days, and if so, I will have more trouble with the letter files in Washington. I wish mining men were more original, it would save Washington, let alone me, a lot of grief. Why don't they start naming mines after wines or something.. there is a large field; Sauterne; Chianti; Heidsick; Mums, etc. Then they could start on beer, there must be five hundred brands.

Bill
Bill Broadgate

DEPARTMENT OF MINERAL RESOURCES

**STATE OF ARIZONA
FIELD ENGINEERS REPORT**

Mine Various

Date October 3, 1975

District Sunflower

Engineer Ken A. Phillips

Subject: Claims held by American International Mining & Milling Corp.

Information from: James G. Duncan, President

Address: P.O. Box 15234, Phoenix, 85060; located Suite 10, 3530 East
Indian School Road

Mr. Duncan reported that his company owns or controls under leases and options the following claims in the Sunflower District:

Arizona Mercury (50 claims)
Sunflower Group
Red Rock (9 claims)
Golden Horn (10 claims) obtained from Ralph Pabst
Silver Bell (10 claims) " " " "
Cypres (11 claims) obtained from Carlson

Further, he reported they have a small mill on the East Fork of Sycamore Creek. The mill produces a concentrate containing 10-15 lbs. of mercury per ton (0.5-0.75 percent?). They are working on processes to recover the microscopic beads of native mercury combined with gold, silver and platinum contained in their ore.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA
FIELD ENGINEERS REPORT

FILED
AUG 3 1965

Mine SADDLE MOUNTAIN MINE

Date 6/22/65

District Sunflower Dist. Maricopa County

Engineer Lewis A. Smith

Subject: Mine Visit with C. O. Carlson and Mrs. Carlson and Jerry Blake, who represents Stella Dysart and Wm. Lothmann of Albuquerque, N. M. 6/22/65.

OWNER: C. O. Carlson, Payson (Sunflower Box 490, Mesa) A. A. Frederickson

OPTION TO: Louis B. Lothmann and Stella Dysart and Wm. Lothmann of Albuquerque, N. Mex. (Aero Space Minerals, Inc.)

MINERAL: Quicksilver.

WORK: 5 bulldozer benches, that are U-shaped, circle a sharp ridge that trends generally E-W to NW-SE. The benches are 40 to 45 feet in vertical elevation apart, and range from 5-9 feet deep at the face of the cuts. Short ramps connect the successive benches.

GEOLOGY: According to Carlsons this mineralized belt is a continuation of the one that contains the National Mine Mineralization. This appears to be probable. The country rock consists of vertical to 45 deg. NW. On the west end of the benches the rock is a thin-bedded slate that is dark gray in color. Farther E the rock is a sericite or fine-grained quartz-mica schist. The latter schists are twisted, crinkled and have a weaving or "snakey" dip. The general trend of the schistosity is roughly N45 deg. E, but locally the trend is indefinite. The schists are crossed by shears that are either parallel to the schistosity or are at a slight acute angle to it. These generally show much yellow-orange limonite and contain veinlets or narrow lenses of quartz. In a few places ankerite or siderite was also present, to a lesser degree between the shears. This limonite is generally considered to be a good indicator for quicksilver. However, none of the benches except very locally, are considered to be deep enough to encounter much quicksilver,, although some of the quartz has sparse crystals of cinnabar in vugs. The capping appears to generally resemble some of that at the National Mine which adjoins the Saddle Mountains, (according to Carlson). No systematic sampling has yet been done. (Several dark-red bands of dense limonite also are present.)

PLANS: According to Jerry Blake, further benching to the NE or E is planned, and this work will be lower than the present bench. Low angle test drilling may follow the benching.

According to Blake, S. H. Glassmire and Lyle Reber of Glassmire & Associates no longer are affiliated with Lothmann. Instead he is reported to have been using Gil Griswald, a consulting geologist from Albuquerque. Lyle Reber is now in Alaska.

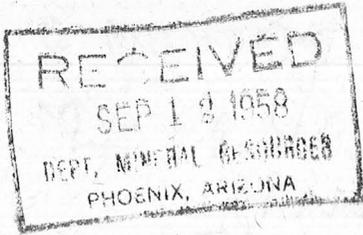
The quicksilver-bearing area appears to butt against a large jasper dike on the north-west. No quicksilver has yet been reported NW of this dike. The Saddle Mountain and National both lie against this dike. SW of the Saddle Mountain the schist and jasper dike appear to be capped by conglomerate (red) volcanic tuff (white) and rhyolite flows.

SADDLE MOUNTAIN MERCURY MINE

MARICOPA COUNTY

The Saddle Mt. Group, North of the Ord are controlled by A. A. Frederickson (Broadway Water Co. of Sunnyslope) 7045 N. 12th Street, Phoenix.

LAS - WR - 6-11-59



ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

July 16, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Saddle Mountain Mercury Mine (Maricopa Co.) quicksilver
(Property) (ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Dear Mr. Knight:-

We gave up this property in 1947
as a losing proposition - no ore. We
were followed by an Los Angeles Oil
Company - they also quit. Then the
Wilshire oil company took on
and spent a lot of money but

Enc: Mine Owner's Report

also abandoned it and it has been
idle ever since

(Due of your predecessors, Sam
Conhal and I were associated in
several mining ventures x Had
to call on Mr. Deering x Know
Rosen remaining very well and
conferred with him for years x was
arrange to read of his untimely demise x
There been associated with a
Mining Broker in Milwaukee
for years x He wishes me he has
clients for a low grade open pit
copper property - an open pit iron
mine - an aluminum oxide
property, 27% or better and a gallium
deposit x Can you suggest
anything?

am in Paris at present but
will get my mail from Phoenix,
address - P.O. Box 1205, Van Latta
was mailed - hence delay x
Respectfully yrs. Waverly

STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA



September 16, 1958

Mr. V. O. Welch
P. O. Box 1205
Phoenix, Arizona

Dear Mr. Welch:

In your recent letter, you asked whether we could suggest anything in the way of an open pit, copper, iron, aluminum silicate or gallium property.

Major copper companies have been combing Arizona for low-grade open pit prospects for a long time, and still are doing so. Therefore, those of which we have knowledge have been turned down by such companies. Gallium, although it is said to be as plentiful as lead in the lithosphere, occurs to our knowledge in low concentrations. For instance, in the Arkansas bauxites there is present gallium in a few thousandths of 1%. Although perhaps common in zinc ores, it probably is present in quantities approximating one-tenth of 1% or lower.

We do not quite understand your request for an aluminum silicate property. Presumably your "27% or better" refers to Al_2O_3 content. Possibly your client is interested in processing clays, such as kaolin. Unfortunately we cannot tell you whether our Arizona kaolins run that high in alumina. Possibly we can find out for you.

There is possibility of exploitation of low grade magnetite sands. They are being worked on by private capital but to date are in the investigation stage. We can refer you to owners of such sands.

However, you possibly will be in Phoenix before long, in which case, we suggest that you call at the office and let us show you some of our file data, as well as talk with you about the above.

Sincerely yours,

FRANK P. KNIGHT,
Director

FK:lp

C
O
P
Y

ARIZONA DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA

April 4, 1958

To the Owner or Operator of the Arizona Mining Property named below:

Lost Packer Mine
(Property)

Quicksilver
(ore)

We have an old listing of the above property which we would like to have brought up to date.

Please fill out the enclosed Mine Owner's Report form with as complete detail as possible and attach copies of reports, maps, assay returns, shipment returns or other data which you have not sent us before and which might interest a prospective buyer in looking at the property.

Frank P. Knight

FRANK P. KNIGHT,
Director.

Enc: Mine Owner's Report

*That property now part of Nancy Lee Group. Contact C. D. Carlson Payson Ariz. ✓
Earl E. H. White*

See Martin Group

for terms +

propositions

ML 40

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date November 1, 1939

- 1. Mine Lost Packer
- 2. Mining District & County **Sunflower Dist. Maricopa County**
- 3. Former name
- 4. Location **Mazataza Mts. adjoining Arizona Quicksilver property on north and south**
- 5. Owner **Earl E. Webster**
- 6. Address (Owner) **1025 Fairmont Ave. Phoenix**
- 7. Operator
- 8. Address (Operator)
- 9. President
- 10. Gen. Mgr.
- 11. Mine Supt.
- 12. Mill Supt.
- 13. Principal Metals **Quicksilver**
- 14. Men Employed
- 15. Production Rate
- 16. Mill: Type & Cap.
- 17. Power: Amt. & Type
- 18. Operations: Present **Under Lease and Bond at present.**

19. Operations Planned

20. Number Claims, Title, etc.

~~two~~ two claims each adjoining Arizona Quicksilver property on northeast and southwest. This property has produced over 1,600 flasks of quicksilver.

21. Description: Topography & Geography

22. Mine Workings: Amt. & Condition

23. Geology & Mineralization **Ore occurs in 3 dikes of chloritic list croppings showing cinnabar on Pack Over Ex. #1 is on the west dike. Development on the Pack Over Ex. is on the central dike being the same as that developed on the Ariz. Quicksilver property.**

24. Ore: Positive & Probable, Ore Dumps, Tailings

24-A Vein Width, Length, Value, etc.

25. Mine, Mill Equipment & Flow Sheet

26. Road Conditions, Route **Closest road at Arizona Quicksilver mine about 1 1/2 miles**

27. Water Supply **Water easily developed in the neighborhood - Pack Over Ex. #1 Well timbered with growth of cypress**

28. Brief History

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate. **Will consider sale of claims outright for small price or will consider a development proposition.**

32. Signed..... **Earl E. Webster**

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

OWNERS MINE REPORT

1st group -
Red Rock Ex. & Red Rock #1

Under lease and Bond at present

Date Nov. 1, 1939

Mine

2nd group -
Pack Over Ex. & Pack Over Ex. #1

District

Sunflower
(Part of Lost Packer
(Part of Martin Group)

Location Mazatajel Mts. adjoining Arizona
Quicksilver property on north and south

Former name

Owner

Karl E. Webster

Address 1025 Fairmont Ave.

Operator

Address

President

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals

Quicksilver

Men Employed

Production Rate

Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc.

Two groups of two claims each, as above, adjoining Arizona Quicksilver property on northeast and southwest. This property has produced over 1,600 flasks of quicksilver, principally on Pack Over and Co By claims. This group shown on accompanying map

Description: Topog. & Geog.

Mine Workings: Amt. & Condition

Workings are accessible. On the Pack Over Ex. a tunnel is run on the foot wall. A cross cut to the hanging wall shows the ledge at this point - to be 25 feet wide. Pannings from drillings along the 25 ft cross cut shows some crystals the entire width. Pannings show 102 crystals in some places and several in others. On the Pack Over Ex. #1 ^(over) a cross cut driven to cut the dikes at about 90' ^{depth} showed a width of 9 ft that made

New info

*Applies to Martin Group
Make - two reports
1 - on Lost Packer
1 - " Martin*

very good prospects,

Geology & Mineralization

Ore occurs in 3 dikes of chloritic actinist
croppings showing carnation on Pack Over ex #1 is on
the west dike. Development on the Pack Over ex, is on
the central dike, being the same as that developed on the
Ore: Positive & Probable, Ore Dumps, Tailings Aug. Truck Silver Property.

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route

Closest road at Arizona Quicksilver mine, about 1 1/2 miles

Water Supply

Water easily developed in the neighborhood - Pack Over ex. #1 -
well timbered with growth of cypress

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

Will consider sale of claims outright for small price or
will consider a development proposition

Signed Earl B. Webster

Use additional sheets if necessary.

ML-40

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

1. Mine Lost Packer
2. Location Mazatazal Mts. adjoining Arizona
Quicksilver property on north and
South.
3. Mining District & County Sunflower Dist.
Maricopa, Co.
4. Former name
5. Owner Earl E. Webster
6. Address (Owner) 1025 Fairmont, Ave. Phoenix
7. Operator
8. Address (Operator)
9. President, Owning Co.
9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals Q uicksilver
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed
17. Power: Amt. & Type

18. Operations: Present

Under lease and bond at present.

19. Operations: Planned

20. Number Claims, Title, etc.

Two claims each adjoining Arizona Quicksilver property on
Northeast and Southwest. This property has produced over
1,600 flasks of quicksilver.

21. Description: Topography & Geography

22. Mine Workings: Amt. & Condition

Geology & Mineralization

Development showing
skilled labor on the west side. Development
on the east side being the same
as that developed on the Arizona Quicksilver property.

Date
November 1, 1930
Ore: Positive & Probable, Ore Dumps, Tailings

Location
Maricopa Co. Arizona
Quicksilver property on north and
south.

2. Location

Maricopa Co.
Gulfwater Dist.

1. Mine Post Boxer

3. Mining District & County

4. Former name

5. Owner Earl F. Webster

7. Operator

9. President, Owing Co.

10. Gen. Mgr.

11. Mine Supt.

12. Mill Supt.

13. Men Employed

18. Operations: Present

19. Operations: Planned

Dimensions and Value of Ore body

6. Address (Owner) 1025 Belmont, Ave. Phoenix

8. Address (Operator)

Mine, Mill Equipment & Flow-Sheet

9A. President Operating Co.

14. Principal Minerals
Quicksilver

15. Production Rate

16. Mill: Type & Cap.

Road Conditions, Route

Closest road at Arizona Quicksilver mine about 1 1/2 miles

Water Supply

Under lease and bond at present.
Water easily developed in the neighborhood--Pack Over Ex. (1)
Well timbered with growth of cypress.

Brief History

Special Problems, Reports Filed

Two claims each adjoining Arizona Quicksilver property on
Northwest and Southwest. This property has produced over
1,000 flasks of quicksilver.

20. Number Claims, Title, etc.

Remarks

21. Description: Topography & Geography

If property for sale: Price, terms and address to negotiate.

22. Mine Working: Amt. & Condition
Will consider sale of claims outright for small price or will consider a
development proposition.

32. Signature.....(Signed) Earl F. Webster.....

Use additional sheets if necessary.

April 9, 1942

✓
Mr. V. O. Welch
Box 1205
Phoenix, Arizona

Dear Mr. Welch:

I have just received a letter from Mr. Maunsell Mitchell, 525 South Gramercy Place, Los Angeles, where he inquires regarding the Arizona Quicksilver. He asks for certain information and states that with a fully equipped property and with ore developed ready to go ahead he is very much interested.

I would suggest that you write him, giving him all of the information you have available and you may be able to negotiate some plan for taking over the property.

With best wishes, I am

Yours very truly,

J. S. Coupal

JSC:LP

**NATIONAL MINING AND MILLING COMPANY
SUNFLOWER DISTRICT**

Dates are from October 2, 1912, to July 2, 1941.

Sec. 11, 12, 13, 14, R7N T8 and 9E.

Field notes completed Nov. 1, 1945

VALUE OF WORK ON 31 CLAIMS

| | | |
|-----------------------|--|-------------|
| PACKOVER LODE | 1. Cut, tunnel and winze \$ 1,000.00 2. Cut and tunnel 400.00 3. Cross cut tunnel 900.00 4. Cut <u>540.00</u> | \$ 2,840.00 |
| GO-BY LODE | 1. Discovery cut \$ 300.00 2. Cut 60.00 3. Cut 50.00 4. Tunnel and drifts <u>5,880.00</u> | \$ 6,290.00 |
| IONE LODE | 1. Discovery cut \$ 70.00 2. Cut and tunnel 175.00 3. Tunnel - timber 6,000.00 4. Tunnel - timber 7,350.00 5. Tunnel <u>658.00</u> | \$14,253.00 |
| TITANIC LODE | 1. Discovery cut \$ 65.00 2. Cut and tunnel <u>2,000.00</u> | \$ 2,065.00 |
| NATIVE LODE | 1. Discovery cut and tunnel \$ 100.00 2. Cut and tunnel 125.00 | |
| LONGUS LODE | 1. No value to monument 2. Cut \$ 40.00 3. Cut 75.00 | |
| RAINBOW LODE | 1. Discovery cut \$ 75.00 | |
| JASPER LODE | 1. Discovery cut \$ 75.00 | |
| LOLLAPALOOSA LODE | 1. Discovery cut \$ 75.00 | |
| HARD LUCK LODE | 1. Discovery cut \$ 75.00 2. Cut 75.00 | |
| LOLLIPOP LODE | 1. Discovery cut \$ 75.00 | |
| BLACK JACK NO. 6 LODE | 1. Discovery cut \$ 75.00 2. Cut 100.00 3. Cut and tunnel 324.00 4. Cut and shaft <u>250.00</u> | \$ 749.00 |
| SUNNYSIDE NO. 5 LODE | 1. Discovery shaft \$ 350.00 2. Tunnel and drift 2,625.00 Winze 3,000.00 3. Tunnel and drift 4,770.00 4. Cut and tunnel 350.00 5. Cross cut tunnel and drifts <u>8,610.00</u> | \$19,705.00 |

| | | | |
|---|--|--------------------|-------------|
| SULPHIDE NO. 1 LODE | 1. Discovery cut and tunnel | \$ 100.00 | |
| IRON BUTTE NO. 2 LODE | 1. Discovery monument no value | | |
| | 2. Cut | \$ 75.00 | |
| SILVER BUTTE NO. 3 LODE | 1. Discovery cut | \$ 75.00 | |
| SILVER TIP NO. 4 LODE | 1. Discovery cut and tunnel | \$ 370.00 | |
| QUICKSILVER NO. 1 LODE | 1. Discovery cut and tunnel | \$ 150.00 | |
| | 2. Cross cut tunnel | 2,660.00 | |
| QUICKSILVER NO. 2 LODE | 1. Discovery cut | \$ 75.00 | |
| QUICKSILVER NO. 3 LODE | 1. Discovery cut | \$ 100.00 | |
| QUICKSILVER NO. 4 LODE | 1. Discovery cut | \$ 75.00 | |
| WABASH LODE | 1. Discovery monument no value | | |
| | 2. Cut | \$ 65.00 | |
| ANACONDA LODE | 1. Discovery cut and tunnel | \$ 186.00 | |
| | 2. Cut | 80.00 | |
| | 3. Tunnel | 372.00 | |
| SULPHIDE LODE | 1. Discovery cut | \$ 80.00 | |
| MERCURY LODE | 1. Discovery cut | \$ 75.00 | |
| | 2. Cut | 65.00 | |
| RED ROCK LODE | 1. Discovery cut | \$ 75.00 | |
| | 2. Cut | 75.00 | |
| | 3. Cut | 110.00 | |
| | 4. Cut | 75.00 | |
| | | <u>335.00</u> | \$ 335.00 |
| BLACK ROCK LODE | 1. Discovery cut | \$ 100.00 | |
| | 2. Tunnel | 1,600.00 | |
| | 3. Cut | 120.00 | |
| | 4. Cut | 740.00 | |
| | 5. Cut and shaft | 400.00 | |
| | 6. Cut | 85.00 | |
| | 7. Cut | 65.00 | |
| | | <u>3,110.00</u> | \$ 3,110.00 |
| CORNUCOPIA LODE | 1. Discovery tunnel and cross cuts | \$ 5,670.00 | |
| | 2. Tunnel, raise and cross cuts | 13,370.00 | |
| | 3. Cut and shaft | 220.00 | |
| | | <u>19,260.00</u> | \$19,260.00 |
| CORNUCOPIA EXTENSION LODE | 1. Discovery cut | \$ 85.00 | |
| RED ROCK EXTENSION LODE | 1. Discovery cut | \$ 85.00 | |
| | 2. Tunnel and drifts | 4,060.00 | |
| | 3. Tunnel | 2,198.00 | |
| | | <u>6,343.00</u> | \$ 6,343.00 |
| BIG DIKE LODE | 1. Discovery monument no value | | |
| | 2. Cut | \$ 85.00 | |
| | 3. Cut | 100.00 | |
| One thirty-first interest in a common improvement | | 1,960.00 | |
| | TOTAL | <u>\$82,573.00</u> | |

ORE TESTING
 SAMPLING
and
 SUPERVISION OF
 ORE SHIPMENTS

Phone
 VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET

LOS ANGELES 13, CALIF.

June 27, 1949

Major Allured
 Los Angeles
 Calif.

Subject : Assay of Rock.
 Marked :

| | Mercury | Gold | Silver |
|---|-----------|-------|---------|
| #1 - Go-By - 22' face East of Hoist House | .17% | | |
| #2 - Go-By - 6' cut East of Hoist House | .22% | | |
| #3 - Summit E. of shaft - 4' cut - No work | 1.25% | | |
| #4 - Go-By - 300' E. of shaft - 3' cut surface - No work | .80% | | |
| #5 - Titanic - 400' W. of shaft - 4' cut - surface - in drift | .60% | | |
| #6 - Packover - 500' W. of shaft 5' cut - surface | 1.23% | | |
| #7 - Packover - 4' cut - surface - Sunflower | .16% | nil | trace |
| #8 - Black Rock - 3½' cut - surface | .40% | trace | .10 oz. |
| #9 - Cornucopia - 3' cut of 20' vein - 300' in drift | .30% | | |
| #10 - Cornucopia - Bottom of Pipe sample - cut 3' | .58% | trace | .08 oz. |
| #11 - Sunnyside - Main Outcrop - 4' wide - Sunflower | 1.67% | | |
| #12 - Sunnyside - Main Outcrop - 4' - 200' from #11 | .27% | | |
| #13 - Mercury - Surface - About 2' cut | 4.22% | | |
| #14 - Cornucopia - Bottom of Pipe | Manganese | | 13.28% |
| #15 - Higrade - Sunnyside - 6" | 5.96% | | |
| #16 - Higrade - Titanic - 4" | 3.16% | | |

Respectfully submitted
 Ed. Eisenhauer, Jr.
 Assayer

Original Assay Report on File

ARIZONA BUREAU OF MINES — UNIVERSITY OF ARIZONA

QUICKSILVER (MERCURY)

Compiled by ELDRED D. WILSON*

Definition

Quicksilver or mercury is a tin-white, shiny opaque metal, with specific gravity of 13.5 or a weight of 846 pounds per cubic foot. Although liquid at ordinary temperatures, quicksilver solidifies when cooled to 38 degrees (Fahrenheit) below zero. It vaporizes when heated, finally boiling at 675 degrees.

Uses

Because of its peculiar chemical and physical properties, quicksilver and its compounds have found at least a thousand distinct uses; during peace or war, it is practically indispensable.

In their order of magnitude, the principal uses are as follows: Drugs and chemicals; explosives; industrial and control instruments; electrical apparatus; paint; felt hats; laboratories; gold recovery; boiler cleansers; fireworks; wood preservatives; oil refining; photographic films; mercury boilers; and printing.

As stated by Roush¹, one of the most promising prospective uses for quicksilver is in the mercury boiler, which has been under development for several years; it is the most economical method known for the generation of power from fuel, but thus far has been confined to a few large installations. Because of several complications, however, mercury boiler plants have not been altogether satisfactory in practice, and their adoption is being retarded by the improvements that have been made in the steam cycle².

Marketing

Mercury is sold either through a broker or directly to the consumer. Its principal markets are in New York and San Francisco, and the consumers who may buy it are located in many different places, as shown on the list at the end of this circular.

The market unit is the flask, whose capacity in the United States is fixed, currently, at 76 pounds, net.

The sales price per flask is generally based upon New York quotations. During the World War, its annual average ranged from \$48 in 1914 to \$125 in 1916, with some quotations as high as \$300. During various periods since then, the annual average price has ranged as follows: 1919-21, \$45-\$92; 1922-26, \$59-\$92; 1927-30, \$115-\$123; 1931-33, \$58-\$87; 1934-38, \$72-\$90; 1939, \$104. In the March 30, 1941, issue of the Mining Journal (Phoenix, Ariz.) it is quoted at \$180. These quotations, however, are for lots of 100 or more flasks; for smaller lots the price is several per cent lower.

Since 1922, the tariff on mercury has been 25 cents per pound.

Treatment of Ores³

Concentrating methods for beneficiating low-grade quicksilver ores have not been developed to much extent and are rarely practiced, because direct furnace treatment has been found to be more economical.

Quicksilver is readily recovered from its ores in marketable form, as it can be volatilized in practice at a comparatively low temperature (about 1300° F.) and thus separated as a vapor from nearly all other substances that might be present in the ore.

In general two main types of plants—furnaces and retorts—are used to recover the metal from the ore.

Retorts were used extensively prior to 1875, but they are now employed only at small mines or for the treatment of by-products at furnace plants. In retorts the ore is heated out of contact with the furnace gases, and only those vapors that are driven from the charge pass into the condensers, which generally consist of water-cooled iron pipes.

The Scott furnace, introduced in 1875, permits continuous operation and the treatment of ore crushed from 3.5 to 1.5 inches. In this furnace the ore is exposed to direct action of the gases; the volatile products of combustion, together with the quicksilver vapor, dust, and soot, are drawn into dust collectors and thence to condensers.

Mechanical furnaces of the rotary-kiln (Gould) and multiple-hearth types are coming into general use in the industry.

*Geologist, Arizona Bureau of Mines.

¹Roush, G. A., Strategic Mineral Supplies, p. 278 (1939).

²U. S. Bur. Mines, Minerals Yearbook, 1940, p. 664.

³For detailed discussion, see C. N. Schuette, U. S. Bur. of Mines Bull. 335 (1931).

Southwest of the Go-By some ore has been developed on the Packover claim by two short adits and several open-cuts on the surface. The inclosing rock as well the nature and occurrence of the ore is so similar to that on the Go-By claim as to need no separate description.

In a crosscut from the lower tunnel on the Sunnyside claim the ore occurs in a banded, gray and white lens of limestone in fine-grained, quartz-sericite schist. The schist strikes N. 45° E. and dips 70° to the northwest. The ore is localized at the intersection of several fractures with the lens of limestone. Quartz is apparently absent and the cinnabar replaces calcite. The ore body is rather small in size, and does not extend more than 20 feet above the level.

A little azurite and malachite together with quartz and limonite were found on the Silver Tip claim, but cinnabar, apparently, is absent. In a surface cut near the north end of the Sunnyside claim a little azurite is associated with cinnabar.

Arizona Deposits¹

Acknowledgments

The following descriptions are mainly abstracted from the literature, particularly Arizona Bureau of Mines Bulletin No. 122, which is now out of print.

Notes on recent operations were obtained during brief visits of the author to the properties early in 1941. Acknowledgments are due the various mine operators and owners for furnishing information.

Distribution

Quicksilver has been produced from the Mazatzal Mountains, Dome Rock Mountains, Phoenix Mountains, and Copper Basin districts. Deposits from which no production has been made occur in other parts of the State.

History and Production

The Dome Rock Mountains deposits were known at least as early as 1878, and those in Copper Basin during the late eighties. The first discoveries in the Mazatzal Mountains were made in 1911, and in the Phoenix Mountains in 1916.

Systematic records of Arizona's quicksilver production are not available, but the following estimates in flasks have been made:

| | |
|--|------------|
| Mazatzal Mountains, 1911-1940 | 3870 |
| Dome Rock Mountains, 1908-1914 | 116 to 156 |
| Copper Basin, 1880-1904 | Unknown |
| Phoenix Mountains | 6 |
| Total, approximately | 4032 |

Mineralogy

Quicksilver occurs in Arizona as cinnabar, metacinnabar, calomel, native mercury, and probably as mercurial tetrahedrite.

Cinnabar: Mercuric sulphide (HgS); when pure, contains 86.2 per cent mercury. Occurs as crystals, needles, and granular to earthy masses. Color vermilion-red, inclining to brownish-red and lead-gray. Powder scarlet; the earth variety, which contains iron oxides or clay as impurities, is brownish-red when crushed. Transparent in crystals and opaque in earthy varieties. Luster brilliant in crystalline varieties. Perfect prismatic cleavage. Hardness 2 to 2.5; specific gravity 8. The principal ore of quicksilver in Arizona as elsewhere.

Metacinnabar: Mercuric sulphide, in composition like cinnabar, but occurs as black masses or as thin films coating cinnabar; rarely crystalline. Specific gravity 7.7. Occurs in most Arizona quicksilver deposits.

Calomel: Mercurous chloride (HgCl₂); when pure, contains 85 per cent mercury. Color white, yellowish-gray or ash-gray, brown. Transparent to sub-translucent; luster adamantine. Hardness 1 to 2; specific gravity 6.5. An oxidation product of cinnabar.

Mercury: Native quicksilver (Hg). Color tin-white; opaque; shiny; luster metallic. Specific gravity 13.5. Occurs as small fluid globules in cavities.

Mercurial tetrahedrite: Copper-antimony sulphide. Some varieties contain up to 17 per cent quicksilver. Color dark gray to iron-black; opaque. Specific gravity 5.1; hardness 3 to 4.

Mazatzal Mountains Deposits

Location

The principal known quicksilver deposits of the Mazatzal Mountains are in the middle segment of the range, in both Maricopa and Gila counties, 60 to 65 miles by road from Mesa and 70 to 75 miles from Globe.

Topography and Geology⁵

The Mazatzal Mountains form a high northwestward-trending range about 50 miles long by 12 to 18 miles wide. Their surface is characteristically rough and brushy.

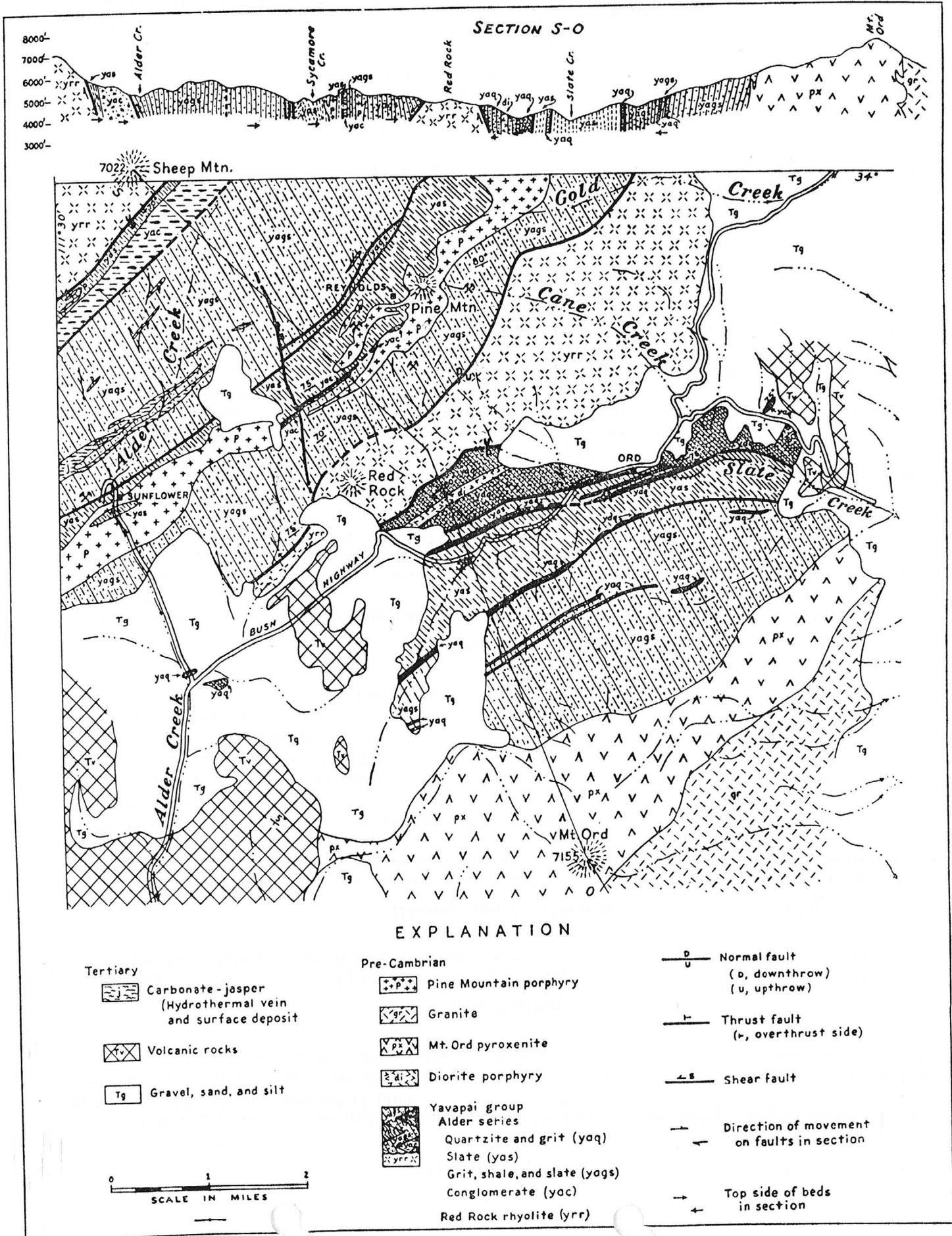
¹Lausen, Carl, and Gardner, E. D., Quicksilver (Mercury) Resources of Arizona: Univ. of Ariz., Ariz. Bur. of Mines Bull. No. 122 112 pp. 15 plates, 23 figs. (1927).

Ransome, F. L., Quicksilver Deposits of the Mazatzal Range, Arizona: U. S. Geol. Survey, Bull. No. 620, pp. 111-128 (1915).

Schrader, F. C., Quicksilver Deposits of the Phoenix Mountains, Arizona: U. S. Geol. Survey, Bull. No. 690, pp. 95-109 (1918).

Bancroft, H., Reconnaissance of the Ore Deposits in Northern Yuma County, Arizona: U. S. Geol. Survey Bull. No. 451 (1911).

⁵Wilson, Eldred D., Pre-Cambrian Mazatzal Revolution in Central Arizona: Geol. Soc. America, Bull., vol. 50, pp. 1113-1164, maps (1939).



SECTION S-O

7022 Sheep Mtn.

Mt. Ord

EXPLANATION

Tertiary

- Carbonate-jasper (Hydrothermal vein and surface deposit)
- Volcanic rocks
- Gravel, sand, and silt

Pre-Cambrian

- Pine Mountain porphyry
- Granite
- Mt. Ord pyroxenite
- Diorite porphyry
- Yavapai group Alder series
 - Quartzite and grit (yaq)
 - Slate (yas)
 - Grit, shale, and slate (yags)
 - Conglomerate (yac)
 - Red Rock rhyolite (yrr)

- Normal fault (d, downthrow) (u, upthrow)
- Thrust fault (v, overthrust side)
- Shear fault
- Direction of movement on faults in section
- Top side of beds in section



Timber is plentiful in the high portions of the range. Water is obtainable from springs, temporary streams, and shallow wells.

The range consists of pre-Cambrian rocks, overlain in places by Paleozoic strata, Tertiary volcanic beds, and Tertiary gravels. Its central segment, which contains the quicksilver deposits, is made up of pre-Cambrian rhyolite, shale, slate, grit, quartzite and conglomerate, locally metamorphosed to phyllite and schist. These rocks apparently occupy a faulted syncline 5½ miles wide, with the beds striking northeastward and dipping almost vertically, except where deformed by local minor folds. This structure is terminated on the southeast by the Mt. Ord pyroxenite intrusive, which in turn is intruded by the pre-Cambrian granite that forms most of the southern segment of the range. On the northwest the syncline is limited by fault contact with the pre-Cambrian rhyolite of Sheep or Pele Mountain. Within the syncline the rocks have been intruded, essentially parallel to the bedding, by a few dikes of diorite porphyry and by the belt of rhyolite porphyry that forms Pine Mountain. The structure is further complicated by bedding faults of indeterminate magnitude; steeply dipping normal and reverse faults of northeast trend and great magnitude; and northwestward-trending faults of relatively small horizontal displacement.

Mineral Deposits

The quicksilver deposits occur within 4 northeastward-trending mineralized zones which may be designated as the Alder-Sycamore, Pine Mountain, Mercuria, and Slate Creek belts.

The lodes occupy fracture zones which in some cases are traceable for lengths of thousands of feet. As a rule the vein outcrops are not conspicuous. In general the ore shoots are lenticular bodies with quicksilver mineralization in the form of veinlets, thin films on fracture planes, or disseminations. The veinlets vary in width from a fraction of an inch to 2 inches, and exceptionally to 6 or more inches. Much of the mineralized rock must be sorted to make furnace-grade ore.

As a rule, the ore shoots do not have clear-cut walls. They range in width from less than a foot to 3 or more feet, and exceptionally to 25 feet.

Cinnabar is the only mineral of commercial importance in the ore. Small amounts of calomel, native mercury, and metacinnabar are locally present. Associated minerals include pyrite, tetrahedrite (?), chalcopyrite, and oxidized copper minerals.

Gangue minerals consist chiefly of quartz, lime-iron carbonates, and tourmaline, and sparse serpentine and sericite.

Alder-Sycamore Belt

From Alder Creek northeastward the Alder-Sycamore belt includes the Sunflower, Robbins, Bowman, and L & N groups of unpatented claims, covering in all a length of some 15,000 feet, all in Maricopa County.

The prevailing rocks of this belt are shale, slate, and grit, locally metamorphosed to chloritic and sericitic schists. Several hundred feet northwest of, and parallel to, the cinnabar lodes there are irregular discontinuous veins and flat-lying masses, about ¼ mile in maximum width, of yellowish dolomitic limestone with fragments and bands of red jasper; this material appears to be of hydrothermal origin.

History and production: The original discovery of cinnabar in this district was made on the Sunflower Group in 1911, by E. H. Bowman. The Sunflower Cinnabar Mining Co. purchased his claims in 1913 and did considerable work upon them. During the early twenties the Arizona Quicksilver Corp. obtained the L & N, Robbins, and Sunflower groups, built a reduction plant, and carried on extensive operations until about 1930. From 1931-1940 some mining was done in this belt by Gus Magnuson and Chris Martin; L. E. Foster; A. E. Wallace; and Earl Conway and Geo. Cline. In January, 1941, lessees, Halstead and Carpenter, were operating the mine and reduction plant on the Sunflower Group, with a crew of 18 men. At that time the Sunflower Group and part of the Robbins group were held by T. J. Long, of Globe, and Gus Magnuson, of Mesa, while the L & N, Maricopa, and Cornucopia claims were held by Chris Martin, of Mesa.

According to estimates by Chris Martin and Gus Magnuson, the total quicksilver production of the Alder-Sycamore belt amounts to about 2,500 flasks, mostly from the Sunflower Group.

Development: Most of the development within the Alder-Sycamore belt has been on the Packover lode of the Packover, Go-By, and Sunnyside claims, Sunflower Group, which has been explored by a 210-foot vertical shaft, several thousand feet of drifts, various adits, and open cuts.

More than 1000 feet of work from adit tunnels has been done on both the Robbins and L & N groups.

Reduction plant: The plant⁶, built in 1926 by the Arizona Quicksilver Corporation on the Sunflower Group, consisted of an oil-fired rotary kiln of 60 tons daily capacity, together with condensers and a Cottrell precipitator. It has since been slightly remodeled. Power is furnished by a 200-HP Diesel engine.

⁶Described by C. N. Schuette, U. S. Bur. of Mines Bull. 335, pp. 101-102 (1931).

ARIZONA QUICKSILVER MINE

Mill Report — May, 1931

Mined 2,098 tons of ore, .19% at head. or 3.8 lbs. of mercury to ton.
 Sorted Out 268 tons at Crusher Feeder
 1,830 tons milled—extraction 89.18%

Metal Recovery 5,780.7 lbs. or 76 flasks @ \$100.00 \$7,600.00

OPERATING EXPENSE:

| | |
|---|------------|
| °Labor, 22 men | \$3,124.50 |
| °°Supervision, etc. | 1,150.00 |
| Kiln (8 gals. per ton) 14,640 gals. @ 10c | 1,464.00 |
| Power Plant (192 gals. day) 5,760 gals. @ 10c | 576.00 |
| Powder | 100.00 |
| Caps and Fuse | 30.00 |
| Truck Maintenance | 200.00 |
| Insurance | 25.00 |
| Miscellaneous | 300.00 |
| | \$6,769.50 |

(Cost per ton for Mining and Milling \$3.2214) (Cost per flask \$89.07) 6,769.50

Gross Profit \$ 830.50
 (before plant depreciation, depletion, taxes and interest taken.)

| | |
|---|-----------|
| °2 Men in Power Plant \$6.15 and \$4.50 | \$ 10.65 |
| 2 Men in Hoist House @ \$5.25 | 10.50 |
| 3 Men in Mill, 1 @ \$5.00, 2 @ \$4.00 | 13.00 |
| 3 helpers @ \$3.00 | 9.00 |
| 1 Crusher Man | 5.00 |
| 4 Miners @ \$5.00 | 20.00 |
| 3 Miners @ \$4.50 | 13.50 |
| 2 Trammers @ \$5.00 | 10.00 |
| 1 Blacksmith | 5.00 |
| 1 Trucker | 7.50 |
| | \$ 104.15 |

For 30 days \$3,124.50

| | |
|---------------------------------|------------|
| °°Mill Superintendent | \$400.00 |
| Mine Superintendent | 400.00 |
| Bookeeper | 200.00 |
| Cook | 150.00 |
| | \$1,150.00 |

Daily Tonnage Treated, 61 ton.

October 1, 1941

A ROUGH SUMMARY OF CONDITIONS AND POSSIBILITIES AT THE ARIZONA QUICKSILVER PROPERTY (SADDLE MOUNTAIN MERCURY) By J. F. Vassar, Supt.

Surface equipment--A 400 h.p. CP. Benz diesel direct connected to generator supplying power for all operations, as all equipment is electrical and mine and camp are wired for lights.

Five bunkhouses, office, cookhouse, blacksmith shop, etc.

A 4x60 foot Gould rotary furnace, Cottrell electric dust precipitator Gould type condensers, four tube Johnson McKay type retort, equipped for oil firing.

Compressor is ample for four machines and air lines are installed to all the working faces.

UNDER GROUND WORKINGS

A vertical shaft, over two hundred feet in depth, haulage tunnel, fifty foot level, one hundred foot level and the bottom or one hundred and fifty foot level, all of which show ore that can be mined at a nice profit.

The hundred foot level--two stopes that are producing ore at this time but two more should be started as the drifts both north and south show furnace ore in the face.

The one fifty level--five stopes that are proven will produce furnace ore and both the north and south drifts on the veins show ore on this level.

The sump, approximately thirty-five feet deeper than the lower level shows ore on the sides of the shaft and the bottom (22 pounds to the ton).

During several operations previous to this one the mine has been stripped of anything that could show a recovery in mercury.

POSSIBILITIES--With proper engineering and superintendence it is possible to produce at the least five flasks per day and it is not at all impossible to turn out fifteen.

By remodeling the burning plant to Gould recommendations, which have proven successful on many other properties, and selective mining and turning out tonnage sorting the ore to where it is showing furnace heads of five to ten pounds, this property will show returns netting the operators well over fifteen hundred dollars per day of operation.

GEOLOGY

Property is located in the Mazatzal Mountains, approximately forty miles northeast of Phoenix, and the predominating country rock is a Serecite-schist and slates carrying cinnibar, native mercury and chloride of mercury.

DEPOSITION of values usually occur as cinnibar and mercury are in small veinlets in the slates and schists, paralleling each other and are in places close enough to form a large ore body, which is the occurrence at this property, as the main ore body shown over thirty feet in width.

This property covers twenty-seven claims, three of which are being worked at this time. I have discovered values in over twenty places other than what is being worked and it is my belief that there is at the least two mines that should show larger production than the present operation.

J. F. Vassar
1145 East Diamond Street
Phoenix, Arizona

11 2/1

A ROUGH SUMMARY OF CONDITIONS AND POSSIBILITIES AT THE ARIZONA SILVER PROPERTY (SADDLE MOUNTAIN MOUNTAIN). BY J.F. Vesser, Supt. *verified and*

Surface equipment,

A 400 hp. GP. Benz diesel direct connected to generator supplying power for all operations, as all equipment is electrical and mine and camp are wired for lights.

Five bunkhouses, office, cookhouse, blacksmith shop, etc.

A 4x30 foot Gould rotary furnace, Cottrell electric dust precipitator
Gould type condensers, four tube Johnson McKay type retort, equipped for oil firing.

Compressor is ample for four machines and air lines are installed to all the working faces.

UNDER GROUND workings,

A vertical shaft, over two hundred feet in depth, haulage tunnel, fifty foot level, one hundred foot level and the bottom or one hundred and fifty foot level, all of which show ore that can be mined at a nice profit.

The hundred foot level, Two stopes that are producing ore at this time but two more should started as the drifts both north and south show furnace ore in the face.

The one fifty level, Five stopes that are proven, will produce furnace ore and both the north and south drifts on the veins show ore on this level.

The camp, approximately thirty five feet deeper than the lower level shows ore on the sides of the shaft and the bottom, (22 pound to the ton.)

DURING several operations previous to this one, the mine has been stripped of any thing that could show a recovery in mercury.

POSSIBILITIES, With proper engineering and superintendence it is possible to produce at the least five flasks per day and it is not at impossible to turn out fifteen.

By, remodeling the burning plant too Gould recommendations, which have proven successful on many other properties, and selective mining and turning out tonnage sorting the ore too where it is showing furnace heads of five to ten pounds, this property will show returns netting the operators well over fifteen hundred dollars per day of operation

PRICE and TERMS, One hundred fifty thousand dollars, the price asked will not buy the equipment that is on the property, not counting the installation cost.

Definite figures from the former operators show that there has been over two hundred thousand dollars spent in underground work, not counting twenty thousand dollars spent on roads and other improvements.

One thousand dollars, which is a minimum royalty, and must be paid every month, ten percent gross on all production, all of which apply on the purchase price.

TWENTY FIVE THOUSAND DOLLARS, Down payment is not too much when it is considered that the equipment is installed, the mine ready for production, (is producing on a small way at this time).

BY sinking an additional two hundred feet it is estimated there would be over two hundred thousand tons of ore available, **JUDGING FROM THE WORKINGS ABOVE.**

WORK, has been largely confined to two veins, **BUT** there are four proven veins all of which show commercial ore on the one hundred fifty foot level.

Surface mining has been overlooked and with installation of a slusher hoist and sorting grizzlies it is possible to strip well over a hundred tons per day of ore that has showed assay values of over **TWENTY POUNDS.**

GEOLOGY

PROPERTY IS LOCATED IN THE HAZARDELL MOUNTAINS, approximately forty miles north east of Phoenix, and the predominating country rock is a Sericite-schist and slates carrying cinnabar, native mercury and chloride of mercury.

DEPOSITION of values usually occur as cinnabar and are in small veinlets in the slates and schists, paralleling each other and are in places close enough to form a large ore body, which is the occurrence at this property, as the main ore body shows over thirty feet in width.

THIS PROPERTY COVERS SEVEN CLAIMS, three of which are being worked at this time, I have discovered values in over twenty places other than what is being worked and it is my belief that there is at the least two mines that should show larger production than the present operation.

(over)

1-13-47

Mr. Webster informed
us the Red Rock Ext +
Red Rock # 1 was sold
to Nat'l. Mining + Milling Co -
operators of Ariz. Duck Silver

MARTIN GROUP

Hg

Maricopa

7 - 2

T 7 N, R 8 E

Earl E. Webster, 1025 Fairmont, Phoenix

'39

'46

RED ROCK EXT. & RED ROCK #1

Hg

Maricopa

7 - 2

T 7 N, R 8 E

Earl E. Webster, 1025 Fairmont Ave., Phoenix

'39

National Mining & Milling Co., Sunflower

'46

NATIONAL MNG. & MILLING CO.

Hg

Maricopa

7 - 2

T 7 N, R 8 E

James F. Vassar, Sunflower

'45

MR-9 RED ROCK EXTENSION, W. E. Webster, 1025 Fairmont, Phoenix

~~MS-26 BISHOP TANKS, Edwin W. Mills, 1001, Arizon~~

Your name and address has been furnished to -
Albert Poston, 3107 Brighton Ave., Los Angeles, Calif.

who has made inquiry for the same with reference to mining
property listed with the Department of Mineral Resources.

DEPARTMENT OF MINERAL RESOURCES

J. S. Coupal, Director

September 15, 1941

Mr. Earl E. Webster
1025 Fairmont Avenue
Phoenix, Arizona

Dear Mr. Webster:

L. S. Hackney, 132 North Kenmore Avenue, Los Angeles, California, has expressed an interest in your Red Rock Extension Mine and we have sent him your name and address. You will no doubt hear from him.

If you do make a contact with him that results in business done, we would appreciate your advice for the records of the department.

Hoping that you will hear from him further, I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP

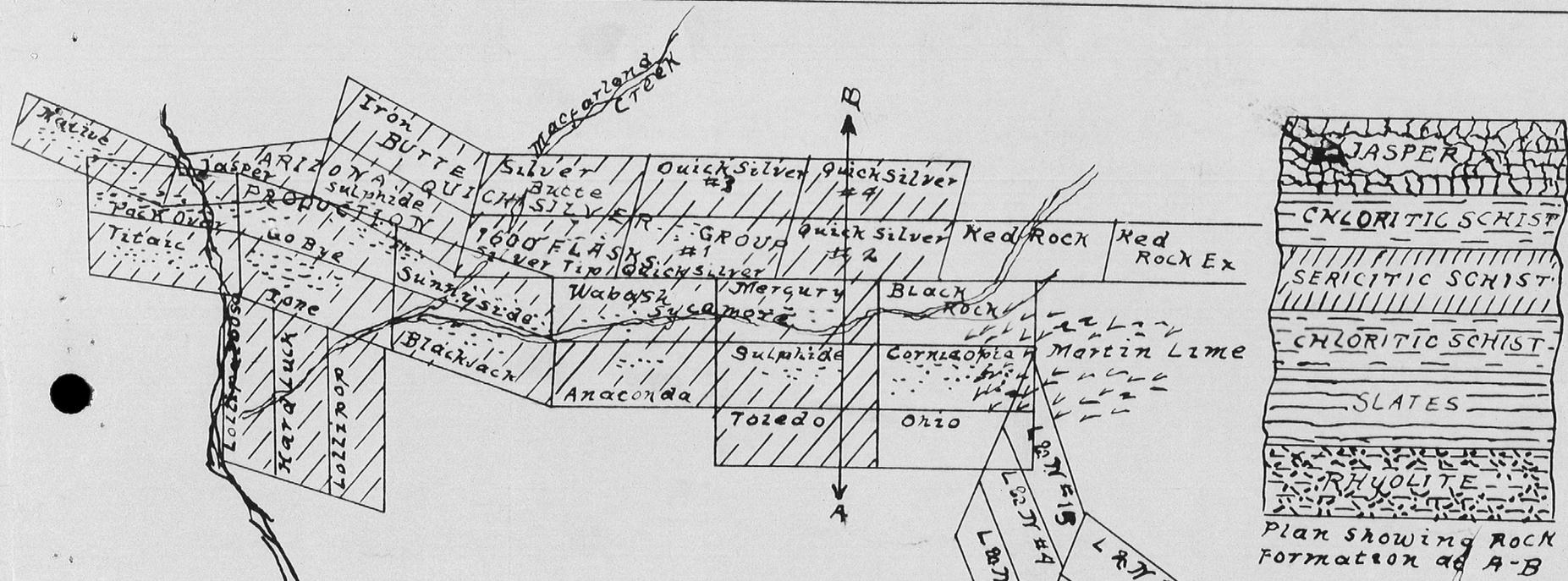
MR-9 RED ROCK EXT.MINE,Earl B. Webster,1025 Fairmont Ave.,
Phoenix, Arizona,

Copy of Mine Owners Report covering property listed with the
Department of Mineral Resources has been furnished to -

Paul Guterman, The Continental Mg. Corp., Kingman, Ariz.

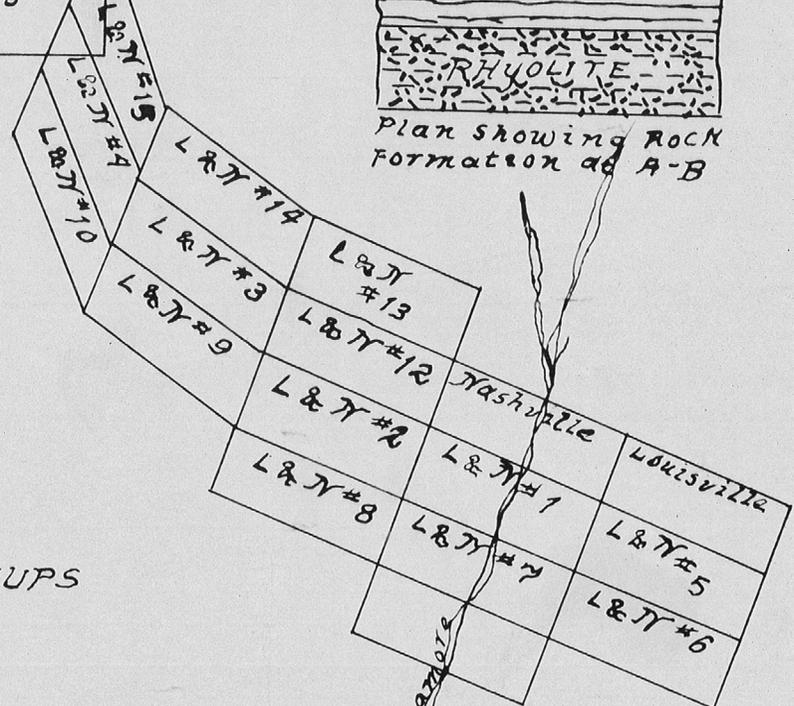
THE DEPARTMENT OF MINERAL RESOURCES

J. S. Coupel, Director



Note: Shading shows area of ore zones of recognized merit

MAP of CLAIMS
 ARIZONA QUICK SILVER CORP.
 CORYICOPIA and L & N GROUPS
 Scale 1" = 1500'



EARL E. WEBSTER

West Branch Sycamore

East Branch Sycamore

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date November 1, 1939

Mine 1st Group - Red Rock Ex. &
Red Rock #1
2nd Group - Pack Over Ex. &
Pack Over Ex. #1

District - Sunflower

Former Name - Part of Lost Packer
Part of Martin Group

Owner - Earl E. Webster

Operator

President

Mine Supt.

Principal Metals - Quicksilver

Production Rate

Power: Amt. & Type

Operations: Present

Location - Mazatzal Mts adjoining
Arizona Quicksilver property
on north and south

Address - 1025 Fairmont Avenue
Phoenix, Arizona

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Operations Planned

Number Claims, Title, etc. - 2 groups of 2 claims each as above, adjoining Arizona Quicksilver property on northeast and southwest. This property has produced over 1,600 flasks of quicksilver, principally on Pack Over and Go By claims. This group shown on accompanying map.

Description: Topography & Geography

Mine Workings: Amt. & Condition

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route - Closest road at Arizona Quicksilver mine

Water Supply - Water easily developed in the neighborhood -
Pack Over Ex. #1 - well timbered with growth of cypress.

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate -
Will consider sale of claims outright for small price
or will consider a development proposition.

SIGNED - Earl E. Webster

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date: November 1, 1939

Mine 1st Group - Red Rock Ex. &
Red Rock #1
2nd Group - Pack Over Ex. &
Pack Over Ex. #1

District - Sunflower

Former Name - Part of Lost Packer
Part of Martin Group

Owner - Earl E. Webster

Operator

President

Mine Supt.

Principal Metals - Quicksilver

Production Rate

Power: Amt. & Type

Operations: Present

Location - Mazatzal Mts adjoining
Arizona Quicksilver property
on north and south

Address - 1025 Fairmont Avenue
Phoenix, Arizona

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

Operations Planned

Number Claims, Title, etc. - 2 groups of 2 claims each as above, adjoining Arizona Quicksilver property on northeast and southwest. This property has produced over 1,600 flasks of quicksilver, principally on Pack Over and Go By claims. This group shown on accompanying map.

Description: Topography & Geography

Mine Workings: Amt. & Condition

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route - Closest road at Arizona Quicksilver mine

Water Supply - Water easily developed in the neighborhood -
Pack Over Ex. #1 - well timbered with growth of cypress.

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate -
Will consider sale of claims outright for small price
or will consider a development proposition.

SIGNED - Earl E. Webster

MIR 9

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

1st group -
 Mine Red Rock Ex. & Red Rock #1 Date Nov. 1, 1939
 2nd group -
 Mine Pack Over Ex. & Pack Over Ex. #1
 District Sunflower Location Mazatajeel Mts. adjoining Arizona
 (Part of Lost Packer Quicksilver property on north and south
 Former name (Part of Martin Group
 Owner Earl E. Webster Address 1025 Fairmont Ave. Phx.
 Operator Address
 President Gen. Mgr.
 Mine Supt. Mill Supt.
 Principal Metals Quicksilver Men Employed
 Production Rate Mill: Type & Cap.
 Power: Amt. & Type
 Operations: Present

Operations Planned

Number Claims, Title, etc. Two groups of two claims each, as above, adjoining Arizona Quicksilver property on northeast and southwest. This property has produced over 1,600 flasks of quicksilver, principally on Pack Over and Go By claims. This group shown on accompanying map

Description: Topog. & Geog.

Mine Workings: Amt. & Condition

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route Closest road at Arizona Quicksilver mine

Water Supply Water easily developed in the neighborhood - Pack Over Ex. #1 -
well timbered with growth of cypress

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

Will consider sale of claims outright for small price or
will consider a development proposition

Signed.....Earl E. Webster.....

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

long

~~1st group -~~
Red Rock Ex. & Red Rock #1
2nd group -
Pack Over Ex. & Pack Over Ex. #1

Mine Date Nov. 1, 1939

District Sunflower Location Mazata^{gal} Mts. adjoining Arizona
(Part of Lost Packer Quicksilver property on north and south
Former name (Part of Martin Group

Owner Earl E. Webster Address 1025 Fairmont Ave.

Operator Address

President Gen. Mgr.

Mine Supt. Mill Supt.

Principal Metals Quicksilver Men Employed

Production Rate Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc. Two groups of two claims each, as above, adjoining Arizona Quicksilver property on northeast and southwest. This property has produced over 1,600 flasks of quicksilver, principally on Pack Over and Go By claims. This group shown on accompanying map

Description: Topog. & Geog.

Mine Workings: Amt. & Condition

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route Closest road at Arizona Quicksilver mine

Water Supply Water easily developed in the neighborhood - Pack Over Ex. #1 -
well timbered with growth of cypress

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate.

Will consider sale of claims outright for small price or
will consider a development proposition

Signed.....Earl E. Webster.....

Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

OWNERS MINE REPORT

{ 1st group
Red Rock Ex & Red Rock #1

Date Nov - 1 - 39

Mine { 2nd group
Pack Over Ex & Pack Over Lx #1

District Sun Flower
Former name Part of Lost Packer
Part of Martin Group
Owner Earl E. Webster

Location Mazatayel Mts. adjoining
Aug. Quick Silver Prop.
on North & South
Address 1025 Fairmont Ave.

Operator
President
Mine Supt.

Address
Gen. Mgr.
Mill Supt.

Principal Metals Quick Silver
Men Employed

Production Rate
Mill: Type & Cap.

Power: Amt. & Type

Operations: Present

Operations Planned

Number Claims, Title, etc. Two groups, of two claims each as above adjoining Aug. Quick Silver property on north and south west. This property has produced over 1600 flasks of quicksilver, principally on Pack Over kind of claims. This group shown on accompanying map
Description: Topog. & Geog.

Mine Workings: Amt. & Condition Development on both groups consists of short tunnels & open cuts, showing structure.

Geology & Mineralization

Ore: Positive & Probable, Ore Dumps, Tailings

Mine, Mill Equipment & Flow Sheet

Road Conditions, Route *Closest road at Hwy. Puck Silver mine*

Water Supply *Water, easily developed in this neighborhood
Pack Over Exp #1 will timbered with growth
of Cypress*

Brief History

Special Problems, Reports Filed

Remarks

If property for sale: Price, terms and address to negotiate. *Will consider consider sale
of claims out right for small price or will consider a
development proposition.*

Signed *Earl E. Webster*

Use additional sheets if necessary.