



## **CONTACT INFORMATION**

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PRINTED: 06-23-2006

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: COPPER CHIEF

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 93

LOCATION: TOWNSHIP 8 N RANGE 10 W SECTION 13 QUARTER NE  
LATITUDE: N 34DEG 02MIN 32SEC LONGITUDE: W 113DEG 14MIN 43SEC  
TOPO MAP NAME: DATE CREEK RANCH SW - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:  
COPPER OXIDE  
GOLD  
SILVER

BIBLIOGRAPHY:  
USGS DATE CREEK RANCH SW QUAD  
ADMMR COPPER CHIEF MINE FILE  
AZBM U FILE CU 55

COPPER CHIEF MINE

YAVAPAI

BULLARD DIST

T8N R10W Sec. 13

See: USGS Bull. ~~700~~  
~~USGS P.P. 308, p. 149~~

Cuox Mining, Inc. (file)

"V" FILE

Copper Chief

4 miles from ...

T8N R10W Sec 13

Yavapai County

reference: Arizona Dept. of Mineral Resources  
Copper Chief Yavapai County (file)

present owner: ?

past owners: G. W. Fiske  
and D. B. Powell  
Aguila, Arizona

Mr. Bullard

history of the mine:

The claims were first owned by Mr. Bullard of the Bullard mine. Before he died he turned the prospect over to Mr. Dempsey Powell. Mr. Powell made one small shipment. Probably around 1942, G. W. Fiske became part of owner of the mine. No work since 1943

minerals: copper, gold, silver

four <sup>or seven</sup> unpatented claims

ore: the vein is 8-15' wide along the contact of diorite and andesite, ore varies from 1-4% Cu with up to 16 oz. of Ag per ton



# Copper Chief Mine (cont.)

assay:		% Cu	% Ag	% Au
1935	fine	3.54	5.45	tr
	coarse	7.53	18.90	tr

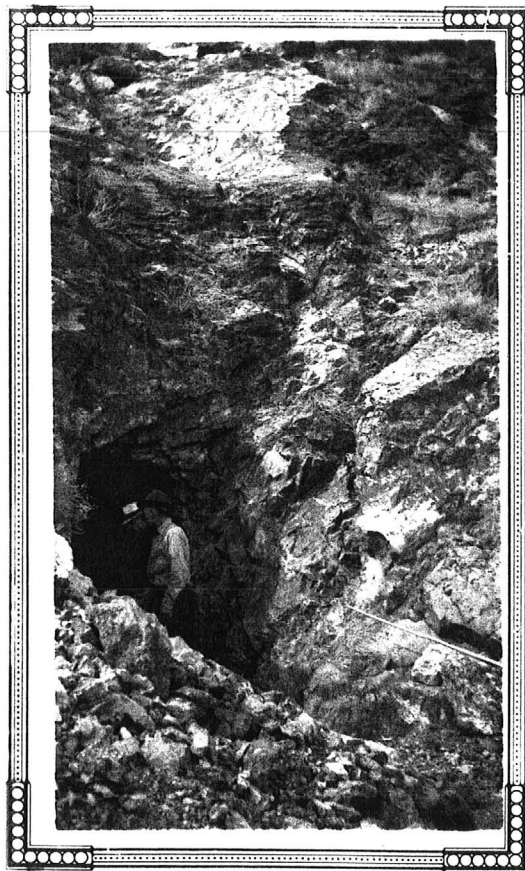
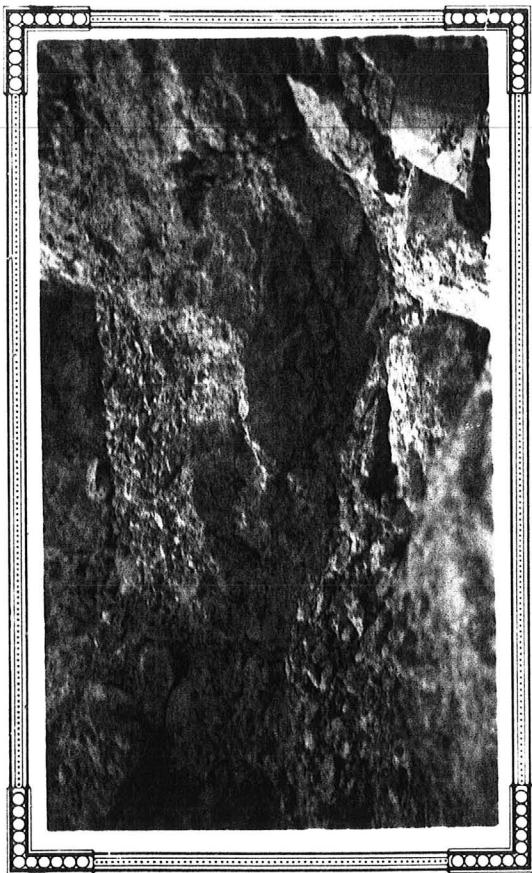
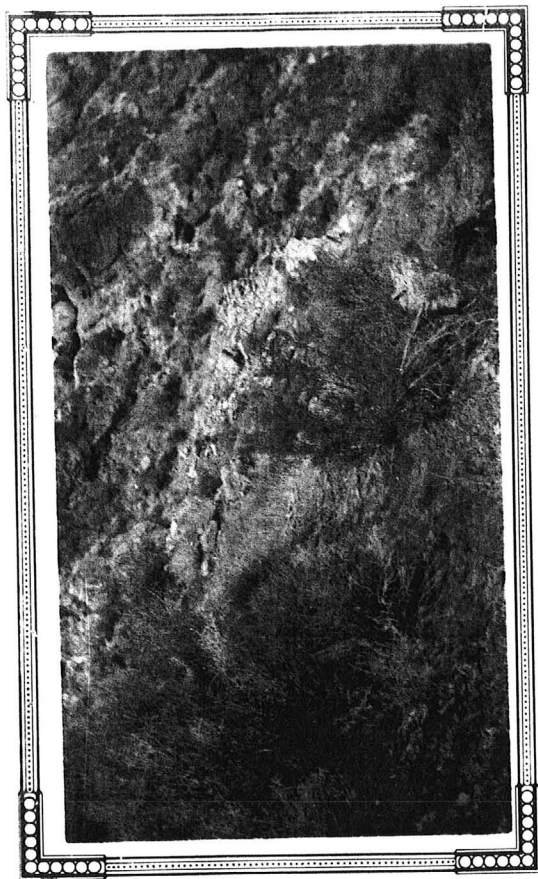
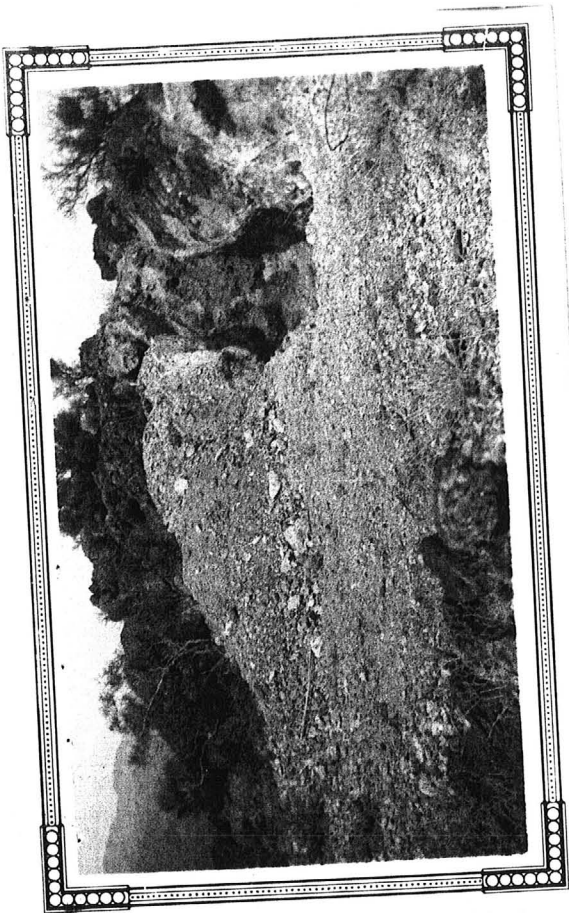
May 27, 1957

COPPER CHIEF MINE

Yavapai County

This property idle.

MARK GEMMILL





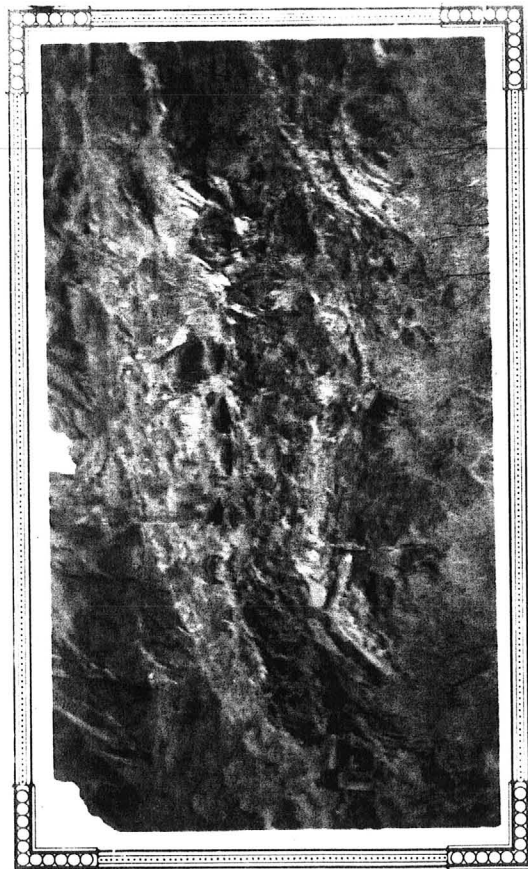
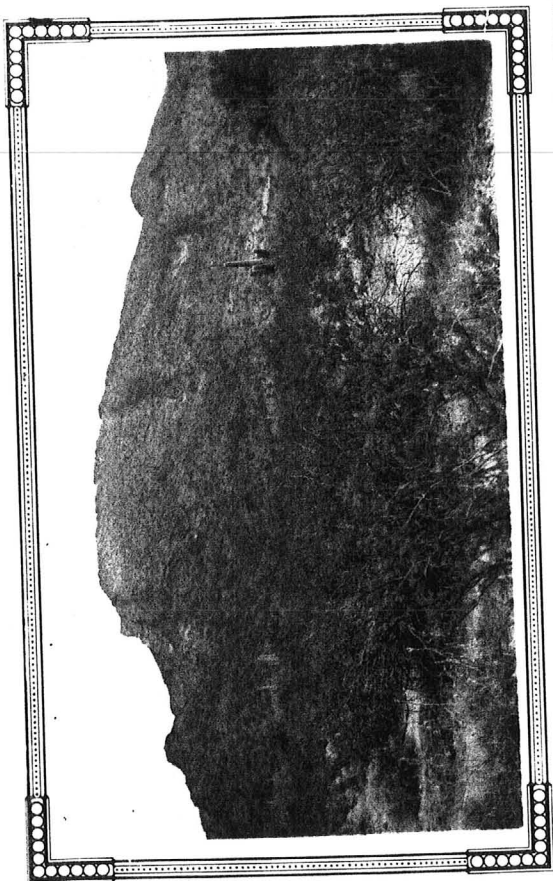
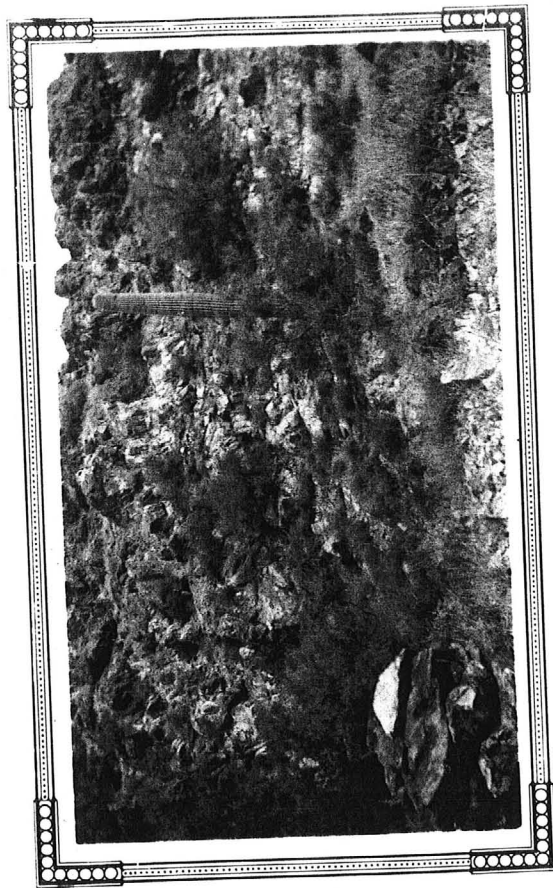
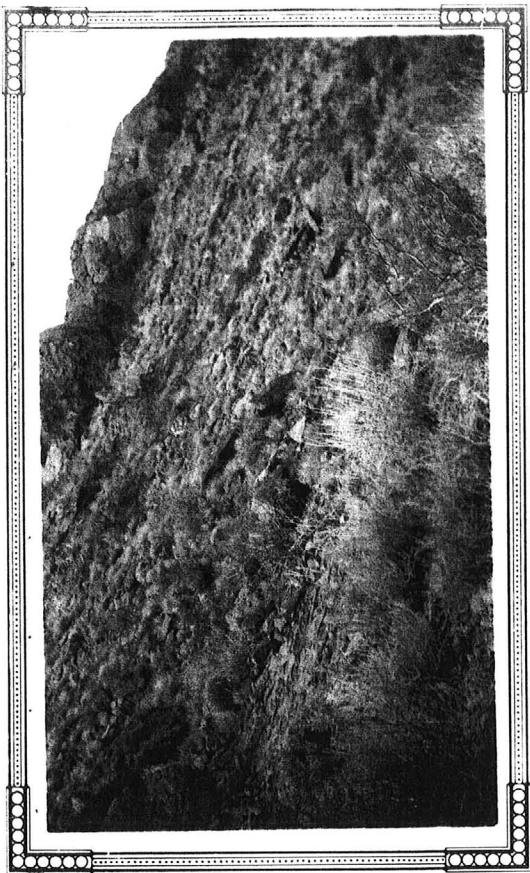












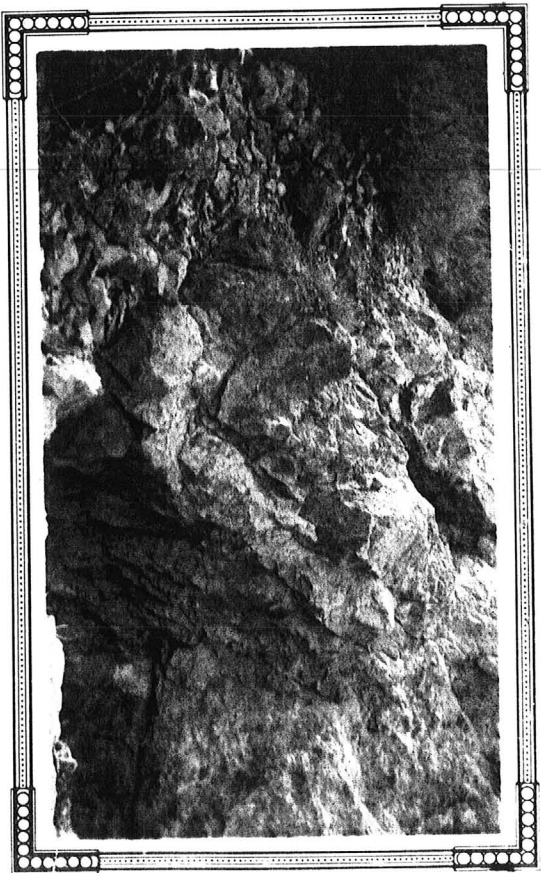
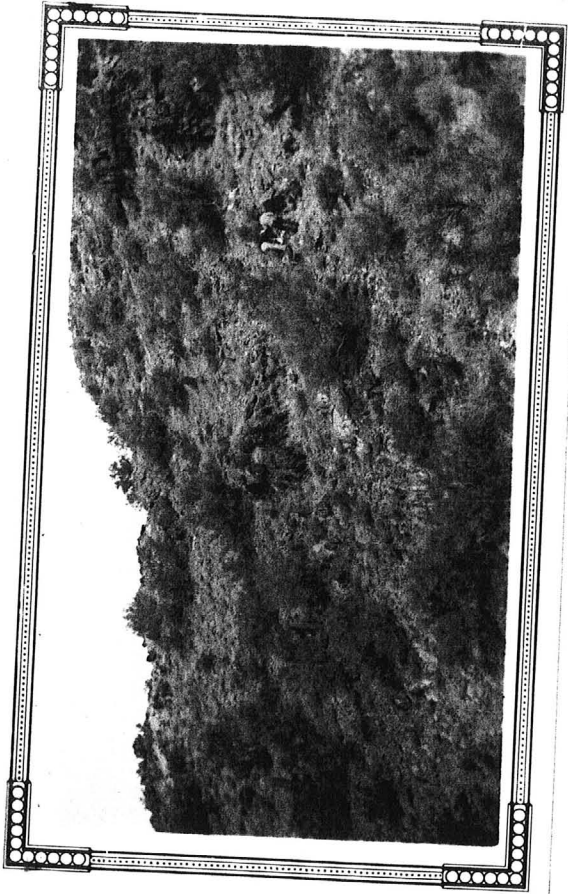










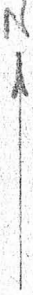




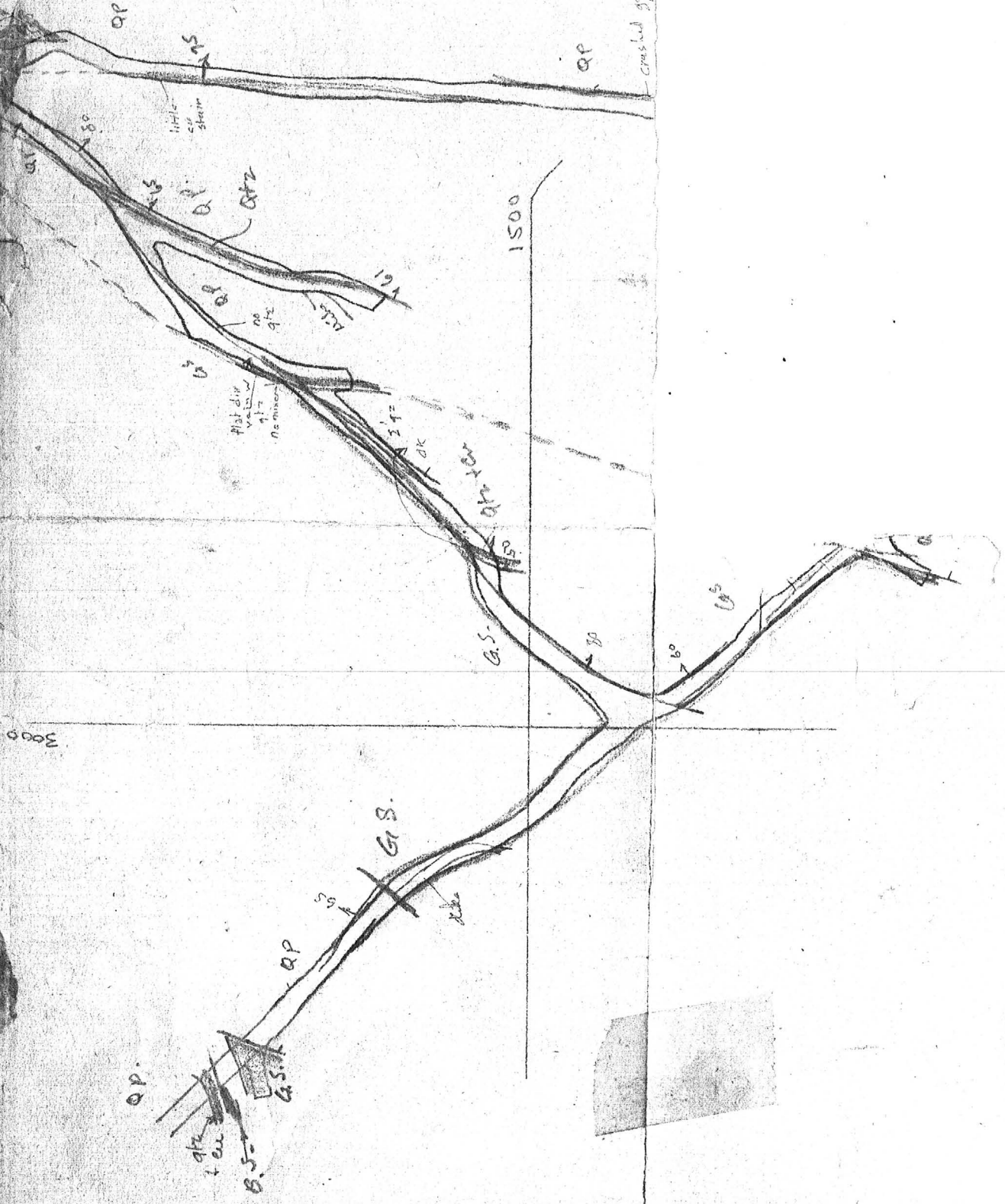




Tunnel level  
 El.  
 Verde Central



Crushed granite or 2" or less heavy pieces  
 for concrete



Fracture  
 in wall rock  
 in wall rock

Granite  
 quartzite  
 quartz veins



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

August 25, 1958

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

Copper Chief Mine (Yavapai County)  
(Property)

CU  
~~manganese~~  
(ore)



which we would like to have

return form with as complete detail  
assay returns, shipment returns  
and which might interest a

Mr. G. W. Fiske  
Aguila  
Arizona

*Frank P. Knight*

FRANK P. KNIGHT,  
Director.

Enc: Mine Owner's Report

REASON FOR RETURN  
Undelivered  
Unknown addressee  
Insufficient postage  
Moved, but no address  
No such office in state  
Do not re-mail in this envelope  
STAGE DUE 2 CENTS!

*Coupl*

October 24, 1941

Mr. G. W. Fiske  
Aguila, Arizona

Dear Mr. Fiske:

Many thanks for your letter of October 10 regarding the Copper Chief Mining Claims. We will file this information and will be glad to refer it to any of our inquiries for copper properties.

I am enclosing a Mine Owners Report form and would suggest that you fill it out in as much detail as possible and return it to this office. The more complete the information is the better chance you have of interesting someone to arrange to look over the property.

Very truly yours,

J. S. Coupl

JSC:LP  
Enc.

10 November 1941

Mr. Andres Herbert,  
Aguila,  
Arizona.

My dear Mr. Herbert:

I am enclosing herewith a copy of mine owners report and a copy of the Preliminary Description of the Copper Chief Mine in the Pierce Mining District, Yavapai County, Arizona, owned by Powell and Fiske of Aguila.

I shall be glad to submit this report to anyone making inquiry for a property such as this, and I trust that we may be able to be of assistance to you.

With best wishes, I am

Yours very truly,

Charles F. Willis  
Chairman, Board of Governors

CFW-jrf

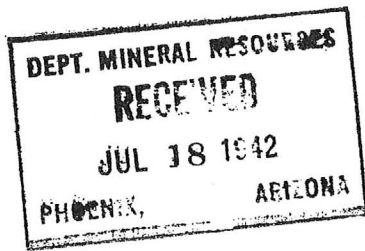
encl.

cc-D. B. Powell  
G.W. Fiske

MINING PROSPECT

JULY 17th, 1942

By A. C. Nebeker



COPPER CHIEF,  
AGUILA, ARIZ.

~~XXXXXXXXXXXXXX~~  
COPPER CHIEF

D.B. Powell  
G.W. Fiske Owners  
Aguila, Arizona.

This property is a copper prospect , located 10 miles north of Aguila, Arizona , in Yavapai County.

To reach the property ones takes the road out of town north as if going to Kingman for about 5 miles and there turn off the Kingman road and go straight ahead as if going into the mountain. The last 5 miles of road is not any too good but an auto can go over it.

The property consists of 4 locations and is held by doing assessment work.

There has been nothing shipped from this property, however the owners claim copper ore that goes 3% as an average. The copper is the Carbonate of Copper and occurs high up on the mountain, about 1500 feet above the valley.

The ore occurs in what appears to be an Andesite flow in contact with a Grano-diorite. The Diorite being in the foot wall. There are some workings consisting of pits and short tunnels on the copper showings.

There are four places where the work shows the copper to spread out over 8 feet thick, and these points are at intersections of two breaks, one break having a North-South strike and the other very nearly an East-West strike, and both have a steep dip.

The five or six cropping which have been dug into, showing strong copper, is very encouraging and indicates that more ore could be developed with depth. The vein matter is very silicious running about 70% SiO<sub>2</sub> .

I think this property could qualify for one of the development loans and it could be developed by either drill holes or Tunneling.

The owners are willing to sell or lease and do it on straight Royalty from production basis. Price easy to agree upon.

*July Report*



September 15, 1942

Mr. G. W. Fiske  
Aguila, Arizona

Dear Mr. Fiske:

We are enclosing a report by A. C. Nebeker  
on your Copper Chief Group of claims.

We hope to forward in the near future the  
report on your Lead Dyke.

Yours very truly,

Earl F. Hastings,  
Assistant Director and  
Projects Engineer

EFH:LP  
Enc.

DEPARTMENT OF MINERAL RESOURCES

State of Arizona  
MINE OWNER'S REPORT

Date: 2 November 1941

1. Mine: COPPER CHIEF MINE
2. Location: 10 miles north of  
Aguila, Arizona
3. Mining District & County: Pierce Mining  
District, Yavapai County, Arizona.
4. Former Name:
5. Owner: POWELL & FISKE ✓✓✓
6. Address: (Owner) Aguila, Arizona.
7. Operator:
8. Address (Operator):
9. President, Owning Co:
- 9A. President, Operating Co: ✓
10. Gen. Mgr:
14. Principal Minerals: Copper & Silver. ✓
11. Mine Supt:
15. Production Rate:
12. Mill Supt:
16. Mill - Type & Cap:
13. Men Employed:
17. Power - Amt. & Type:
18. Operations - Present: None.
19. Operations - Planned:
20. Number of claims, Title, etc: Seven claims, unpatented - title clear.
21. Description - Topography & Geography: The ore at the surface is an oxidized copper ore, carbonates, sulphates and streaks of secondary bornite.
22. Mine Workings - Amt. & Condition: Three tunnels and several open cuts.

23. Geology & Mineralization: These claims are located at an elevation of 3100 ft. in a mountain rising up from the floor of the valley and about 1,000 feet above the floor of the valley. They are 4 miles from the Bullard Mine.
24. Ore - Positive & Probable, Ore Dumps, Tailings: Vein is 200 feet wide and approximately 1,000 feet long.
- 24A. Dimensions and Value of Ore body: The ore will average  $3\frac{1}{2}\%$  copper and 9 ounces of silver per ton.
25. Mine, Mill Equipment & Flow Sheet:
26. Road Conditions, Route: From Aguila it is 10 miles; 4 miles on highway and balance fair road with practically no grades.
27. Water Supply: A good spring one mile away. Water could be obtained from wells.
28. Brief History: Was formerly owned by Mr. Bullard, a Civil War Confederate Veteran, who was also owner of the Bullard Mine (now producing). Mr. Bullard turned claim over to Dempsey Powell.
29. Special Problems, Reports Filed:
30. Remarks: The prospect is easy of access and offers fine tunnel sites with approximately 1,000 foot backs.
31. If property for sale - Price, terms and address to negotiate: Will give lease and bond for \$100,000 with no down payment. A reasonable royalty will be charged to apply on bond and a reasonable length of time will be given to meet the full price. The reason for the price asked is the immense body of possible ore. If cash is paid for the property, then a less sum will be asked and the option will be given on the condition that the person or company will agree to begin work soon and continue to work property on a scale that the property warrants.  
For full particulars - WRITE: ~~EDRES HUBBERT, Aguila, Arizona.~~
32. Signature: G. W. FISKE and D. B. POWELL

## COPPER-SILVER-GOLD PROSPECT

This property is situated about 10 miles north of the town of Aguila, Arizona, a railroad station on the Santa Fe Railroad; also highway sixty passes through the town.

There is a fair country road to the property over which an automobile can travel. An additional short piece of road of about one-half mile in length from the end of the present road would bring an automobile directly in front of the workings at the crest or apex of the ore body, which would be about 1000 feet above it. The telegraph and mail service are good. The nearest assay office is at Wickenburg, 27 miles distant. The Wickenburg Ore Market managed by John C. Herr does commercial assay work.

The climate is excellent. Work can be continued throughout the year. The labor conditions are about the same as in other parts of Arizona.

The nearest mines are the Bullard Copper, Gold, Silver property which is about four miles west of the Copper Chief and the Little Giant which is about three miles northwest. These mines are now producing and are regular shippers to the smelter in carload lots.

The Bullard ore ranges from \$12.00 to \$100.00 per ton and the leasers are shipping from 150 to 250 tons per month.

Numerous small prospects and mines are operating in this area.

There is an electric power line from Parker Dam, near by, but fuel oil can be transported by railroad at a reasonable price.

A reasonable royalty will be asked on a Bond and Lease agreement. The property is held by the usual location and annual assessment work. Water can be had in abundance by wells approximately 400 feet in depth in the nearby valleys. Wood for fuel is scarce and mining timber would have to be imported.

The property consists of seven claims and was owned formerly by Mr. Bullard, a Civil War Confederate Veteran who was also the owner of the Bullard Mine (now producing). Mr. Bullard kept title to the Copper Chief by annual assessment work which he did on all claims, and in doing so did considerable development work on the ore body. This development he kept up for approximately forty years. Before Mr. Bullard died he turned the prospect over to Mr. Dempsey Powell, a close friend of his, as he was unable to continue the assessment work. Mr. Powell, since he became the owner, has had numerous assays made and one small shipment was taken to Hawley and Hawley at Douglas. Copies of what Mr. Powell has are attached to this description.

There are seven claims in the group, which are unpatented. No conflicting claims, no litigation, no surface improvements, no houses or machinery, works or mills on the property. There are two tunnels started which are about 300 feet apart, but do not intersect the ore body which is exposed at the surface. They would, if continued for about fifty feet, cut the ore body at about 100 feet in depth. The ore body at the apex is in place and has been exposed in a number of open cuts showing a commercial grade of ore in large quantities.

The deposit which is well defined is on a contact with monzonite and diorite porphyries. The vein or deposit strikes in a northwesterly and southeasterly direction. The width of the mineralized porphyries is from 300 to 500 feet; the dip is

about 40 degrees in a northerly direction with the dip of the diorite.

The ore at the surface outcrops is an oxidized copper ore, carbonates, sulphates and streaks of secondary bornite. Widths are big and values are good. Shipping ore can easily be sorted over a length of 300 feet. Quantity of probable ore is big and possible ore immense.

The prospect is easy of access and offers fine tunnel sites with approximately 1000 foot backs. The treatment is simple, the transportation easy and the grade of ore good. All of the workings on the property are open for examination. There is no work being done on the property at present. The owners believe the property can be worked by tunnels for several years as the ore body is immense and the profits should be very good.

The owners are willing to give a Bond and Lease on the property for One Hundred Thousand Dollars (\$100,000.00). At this price no money down is required. A reasonable royalty will be charged to apply on the Bond and a reasonable length of time will be given to meet the full price. The reason for the price asked is the immense body of possible ore. If cash is paid for the property then a less sum will be asked and the option will be given on the condition that the person of Company will agree to begin work soon and continue to work property on a scale that the property warrants.

This property has not been offered for sale before. Accompanying this preliminary description are a number of photographs showing the mountains on which the prospect is located, also some of the structure. There are no maps or geological reports that the owners know of or reports on the property.

The reason for the sale of the property is that the owners are unable financially to develop such a large ore body.

Attached is a copy of a test made by B. F. Mason, a friend of one of the owners, showing the leaching possibilities of this ore. Mr. Mason was for more than nine years superintendent of a large copper plant in northern California

(Signed) Edres Herbert

for G. W. Fiske  
D. B. Powell



Phelps Dodge Corporation  
 United Verde Branch  
 Smelter Assay Office

Clarkdale, Ariz., 7/25/35

<u>Description</u>		<u>% Copper</u>	<u>Oz Silver</u>	<u>Oz Gold</u>
* D. B. Powell, Aguila, Ariz.				
	Fine	1	3.54	tr
	Coarse	2	7.53	tr

-----  
 Douglas, Ariz., 8/19/35

Dempsey Powell  
 Aguila, Arizona  
 in account with  
 Hawley & Hawley  
 Assayers and Chemists

6 sacks ore	600 lbs gross	Received 8/19/35
sacks	<u>6</u> "	Silver 77¢
	594 " net weight	Copper 7.77¢
Moisture 3.5%	<u>20</u> "	
	574 lbs net dry	
	.287 dry tons	

Payments

Gold	0.01	No pay	
Silver	9.2 oz	90% at 77¢	6.38
Copper	5.96%	90% at 7.77-2.5¢	<u>5.65</u>

Deductions

Treatment minimum		<u>3.50</u>
Smelter value per ton		8.53

-----

.287 dry tons at \$8.53	2.45
Drayage to smelter .30 tons at \$1.00	<u>.30</u>
	2.15

Less sampling and assaying \$1.00

10% commission	<u>.21</u>	<u>1.21</u>
----------------	------------	-------------

Balance due	0.94
-------------	------

C O P Y

Dinuba, Calif., April 26, 1941.

Dear Mr. Fiske:

Your letter and package received. I have run the tests on the ore you sent and find that they are excellent leaching ores. I am returning under separate cover sample of the copper produced by test. The time was 30 minutes leaching on the ore which was passed through a 10 mesh screen. After passing thru the wash water the pulp was left in the solution over night to ascertain if there was any value left after the 30 minute agitation. I find there was just a trace of copper left, not to exceed one-half of one percent. I am also sending a sample of the solution itself before precipitation. I would suggest that you have the solution tested for copper content per ton of solution, also have sponge copper herewith in separate package, tested as to the value in copper or its percentage of pure copper. This examination would go a long way for your satisfaction as to what you have. I also suggest that if you have no chemist, John Herman would be a good man for that determination. I would like very much myself to have made these tests, however, I am not equipped to do this satisfactorily here.

Trusting this may be of some assistance to you, I remain

(Signed) B. F. MASON

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Copper Chief

Date October 12, 1973

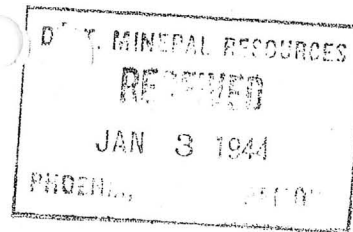
District Yavapai County

Engineer Glen Walker

Subject:

File notes on some CuOX Corp. properties. Alton Powell, Aguila is owner. The claims (6 unpatented) are approximately 10 miles north of Aguila and 4 miles from the old Bullard Cu mine. The vein 8-15' wide is along contact of diorite (in FW) and andesite. Ore varies from 1-4% Cu with up to 16 oz. Ag/T.

G. WALLACE FISKE  
MECHANICAL ENGINEER  
AGUILA, ARIZONA



December 30, 1943

Mr. B. W. Brown, Field Engineer,  
Department of Mineral Resources,  
Phoenix, Arizona

Dear Mr. Brown:-

Grace Sparkes, Secretary of the A. S. M. O. A. at Prescott recently requested a copy of report on my manganese claims. On receipt of this she requested that I send a copy to you also. She has also asked for a copy of report on my copper claims and this is being forwarded to her today.

I am sending you today a copy of the report on the manganese claims and believing that you might also like a report on the copper claims, I am including it.

Since Mr. Herbert made the report on the copper I have had other assays made and the results are included in the report. I will lease the copper on a straight royalty, no payment down to dependable parties or will sell. I am open for any reasonable deal. The Bullard mine mentioned in this report is being operated and regular shipments made to the smelter.

Two tons of manganese ore was taken from the Sembo Aguila claims by the U. S. Bureau of Mines and tests made at their laboratory in Salt Lake and a copy of their preliminary report is attached to my report. I have a complete confidential report issued later.

I don't like the future outlook for manganese and am very anxious to get it on production. I feel that the royalty should be 10% but if good dependable parties would mine it I would let it go for \$1.00 per ton regardless of the percentage of manganese. I believe about 1/2 of what they would take out would assay 35% or better. One carload was shipped which ran 42.6% manganese.

Would be glad to talk to you sometime if you happened to be passing through here.

Yours very truly,

*G. W. Fiske*

JAMES R. CRAY  
RANSOMS COURT  
TUCSON, ARIZONA

August 3, 1943.

Mr. George A. Ballam  
413 Home Builders Bldg.  
Phoenix, Arizona

Dear George:

Many thanks for your nice letter of August 2. I shall execute the forms you are sending me and forward them at once to Mr. Strobel.

I am enclosing a report on a property known as the Copper Chief, near Aguila, Arizona. I wish you would read this and then see what you have in your files relative to this prospect, and whether or not you think it advisable for me to look deeper into the matter and what type of loan could be secured from the R.F.C.

*returned  
with  
pictures  
8-7-43  
JP*

What if anything do you know about a copper-molybdenum property at Copper Creek? This is the property upon which the Southern Arizona Bank and Trust Company held a mortgage and sold to some Eastern interests some four years ago. It is the property that Bob Burney and a fellow by the name of Bill Martin had a lease on and from which they shipped two or three cars of ore some two or three years ago. I do not know the exact name of the property beyond the foregoing, however, I understand that there is a large body of copper ore which has been proven by diamond drilling while looking for Molly.

If you can give me any information about this property I would be deeply grateful as the meager information we have would make it appear to be very desirable.

Please return the report on the Copper Chief together with your comments thereon at your earliest convenience.



You will recall my telling you of a mine a short distance from the New Hope that looked pretty good and upon which I would try and get some dope, well here is what I have found out; the mine was located in 1889 by Charlie Bent's Father. In 1906-07 Charlie Bent drove a tunnel some 550 feet seeking to crosscut two veins, they crosscut the first vein, which was some eight feet wide, and drove on toward the second, they got within approximately 45 feet of the vein when they run out of money and stopped work, and nothing has been done since that time. The property is known as the State Mine. If you have anything in your files on this property I would be exceedingly grateful if you would so inform me, I understand that no Engineer has ever reported on this.

Hoping this finds you able to withstand the Phoenix heat, and while indulging in the hope that I may have the pleasure of hearing from you very soon, and with kindest personal regards, I remain

Sincerely yours

  
James R. Cray.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

DEPT. MINERAL RESOURCES  
RECEIVED  
SEP 11 1942  
PHOENIX, ARIZONA

Mine Copper Chief  
District Pierce (Aguila) BULLARD  
Subject: Supplement to Report.

Date Sept 1st, 1942  
Engineer A. C. Nebeker

Since making my report about 60 days ago, there has been more detail sampling done on the Copper Chief Claims located about 10 miles north of Aguila.

The owners: ✓ G. W. Fiske Aguila, Arizona  
                  ✓ D. B. Powell. Aguila, Arizona

Samples were sent to the Hayden Plant of the A. S. & R CO.

	Au.Oz	Ag.Oz	Cu%	SiO2
NO 1	.015	2.34	2.200	) 64.3%
NO 2	.01	1.75	1.70	
NO 3	.02	3.35	4.43	
NO 4	.02	.22	4.45	

- NO-1- From east end cut across 15' 8"
- NO-2 From west end across 10' 6"
- NO-3 Sorted ore from both ends
- NO-4- Sample from 16 ft tunnel 200 ft lower than NO-2.

The distance between the east and west ends is approximately 600 feet.

Photo shows where mine is located on ridge

*A. C. Nebeker*  
A. C. Nebeker



Aguila, Ariz., Sept. 10, 1942

Department of Mineral Resources,  
Home Builders Building,  
Phoenix, Arizona

Gentlemen:-

On July 12th Mr. Nebeker inspected our Copper Chief claims, also the Lead Dike lead claims.

If possible we would like very much to have a copy of his reports on these two groups of claims. We are sure the reports will be of material assistance to us.

Yours very truly,

Powell & Fiske

By

*G. H. Fiske*

C O P Y

Hand Sample Assays, COPPER CHIEF CLAIMS

made by

American Smelting & Refining Co.

July 24, 1942

	<u>Oz/ton</u> <u>Gold</u>	<u>Oz/ton</u> <u>Silver</u>	<u>Per cent</u> <u>Copper</u>	<u>Silice</u>	<u>Alumina</u>
No. 1	.015	2.34	2.20 )		
No. 2	.01	1.75	1.70 )	64.3	12.7
No. 3	.02	3.30	4.35 )		
No. 4	.02	0.22	4.45 )		

Sample No. 1

From east end of deposit across 15 ft. 8 inches of a 26 ft. face.

Sample No. 2

From west end of deposit across 10 ft. 6 inches vein.

Sample No. 3

Sorted shipping ore from ore dumps at east and west ends of deposit.

Sample No. 4

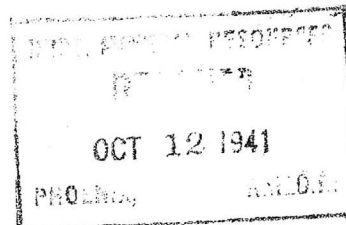
From 16 ft. tunnel at west end of deposit but 100 ft. lower elevation than sample No. 2.

Note:- The east and west ends are more than 600 feet apart.

G. W. FISKE  
MECHANICAL ENGINEER  
~~3911 SOUTH NORMAN AVE~~  
L-O-S-ANGELES  
PHONE PARKWAY-6883

Aguila, Ariz., Oct. 10, 1941

Department of Mineral Resources,  
518 Title & Trust Building,  
Phoenix, Arizona



Gentlemen:-

We are enclosing herewith description of our Copper Chief Mining Claims which we would thank you to place in your files for the inspection of interested buyers. The property is too big for us to handle, and so good that we are willing to take our pay in royalties only if we are dealing with responsible parties. If a cash deal it can be had for less of course.

Yours very truly,

Powell & Fiske, ,

By

*G. W. Fiske*

Mine. Copper Chief

Location. Aguila, Ariz.

Mining District. Pierce, Yavapai County

Owner. Powell & Fiske, Aguila, Arizona

Operations : Present. None

Number of claims. Seven- title clear

Description: These claims are located at an elevation of 3100 feet in a mountain rising up from the floor of the valley and about 1000 feet above the floor of the valley. They are 4 miles from the Bullard Mine.

Work Done. Three tunnels and several open cuts.

Ore. Vein is 200 feet wide and approximately 1000 feet long.

Ore Value. The ore will average 3-1/2% copper and 9 ounces of silver per ton. (see attached assay of small shipment)

Road Conditions. From Aguila it is 10 miles; 4 miles on highway and balance fair road with practically no grades.

Water Supply. A good spring one mile away. Water could be obtained from wells.

Price. \$100,000.00 to be paid out in royalty with no down payment, to responsible parties.

Powell & Fiske

Aguila, Arizona

October 2, 1941



Douglas, Ariz., 8/19/35

Dempsey Powell

Aguila, Arizona

in account with

Hawley & Hawley

Assayers & Chemists

6 sacks ore	600 lbs gross	Received 8/19/35
sacks	<u>6 lbs</u>	Silver 77¢
	594 lbs net weight	Copper 7.77¢
Moisture 3.5%	<u>20 "</u>	
	574 " net dry	
	.287 dry tons	

PAYMENTS

Gold	0.01	No pay	
Silver	9.2 oz	90% at 77¢	6.38
Copper	5.96%	90% at 7.77-2.5¢	<u>5.65</u>
			12.03

DEDUCTIONS

Treatment	Minimum		<u>5.50</u>
	Smelter value per ton		8.53
	.287 dry tons at \$8.53		2.45
	Drayage to smelter .30 tons at \$1.00		<u>.30</u>
			2.15
Less sampling and assaying	1.00		
10% commission	<u>.21</u>		<u>1.21</u>
	Bal due		0.94

C  
O  
P  
Y

Dinube, California

April 26, 1941

Dear Mr. Fiske:

Your letter and package received. I have run the tests on the ore you sent and find that they are excellent leaching ores. I am returning under separate cover sample of the copper produced by my test. The time was 30 minutes leaching on the ore which was passed through a 10 mesh screen. After passing through the wash water the pulp was left in the solution overnight to ascertain if there was any value left after the 30 minutes agitation. I find that there was just a trace of copper left, not to exceed 1/2 of 1 per cent. I am also sending a sample of the solution itself before precipitation. I would suggest that you have the solution tested for copper content per ton of solution, also have sponges copper herewith in separate package, tested as to the value in copper or its percentage of pure copper. This examination would go a long way for your satisfaction as to what you have. I also suggest that if you have no chemist, John Herman would be a good man for that determination. I would like very much to have made these tests myself, however I am not equipped to do this satisfactorily here.

Trusting that this may be of some assistance to you,  
I remain

Sincerely yours,

(signed) B. F. Mason

and values are good. Shipping ore can easily be sorted over a length of 300 feet. Quantity of probable ore is big and possible ore immense.

These claims were formerly owned by Mr. Bullard, a Civil War Confederate veteran who was also the owner of the Bullard mine, now producing. Mr. Bullard kept title to the Copper Chief by annual assessment work which he did on all claims, and in doing so did considerable work on the ore body. The development work he kept up for approximately 40 years. Before Mr. Bullard died he turned the prospect over to Mr. Dempsey Powell, a close friend of his, as he was unable to continue the assessment work. Mr. Powell since he became the owner has had some assays made and one small shipment was taken to Hawley & Hawley at Douglass. Copies of what Mr. Powell has are attached to this description.

The nearest mines to the Copper Chief are the Bullard copper, gold silver property which is about four miles west of the Little Giant Mine, which is about three miles northwest of the Copper Chief. These mines are now producing and are regular shippers to the smelter in carload lots. The Bullard ore ranges from \$12.00 to \$100.00 per ton, and the leasers are shipping from 150 to 250 tons per month. Numerous small prospects and mines are operating in this area.

The prospect is easy of access and offers fine tunnel sites with 1000 foot backs. The treatment is simple, the transportation easy and the grade of ore good. All of the workings on the property are open for inspection. There is no work being done on the property at present. The owner believes the property can be worked for years as the ore body is immense and the profits should be good.

Hand Sample Assays, COPPER CHIEF CLAIMS

made by

American Smelting & Refining Company

July 24, 1943

	<u>Oz/ton</u> <u>Gold</u>	<u>Silver</u> <u>Oz/ton</u>	<u>Percent</u> <u>copper</u>	<u>Silica</u>	<u>Alumina</u>
No. 1	.015	2.34	2.20)	64.3	12.7
No. 2	.01	1.75	1.70)		
No. 3	.02	3.30	4.75)		
No. 4	.02	0.22	4.45)		

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From East end of deposit across 15 feet, 8 in. face.

Sample No. 2

From West end of deposit across 10 ft. 6 in. vein.

Sample No. 3

Sorted shipping ore from ore dumps at both east and west ends of deposit.

Sample No. 4

From 16 foot tunnel at west end of deposit, but 200 feet lower elevation than Sample No. 2.

Note: The east and west ends are more than 600 feet apart.

PHELPS DODGE CORPORATION

United Verde Branch

Smelter Assay Office

Clarksdale, Ariz. 7/25/35

Description	Percent Copper	oz. silver	oz. Gold
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D. B. Powell, Aguila, Arizona			
Fine 1	3.54	5.45	tr
Coarse 2	7.53	18.90	65

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April 26, 1941

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Trusting that this may be of some assistance to you,  
I remain

Sincerely yours,

(signed) B. F. Mason



COPPER CHIEF

JULY 17, 1942

AGUILA, ARIZONA

A. C. NEBEKER

MINING PROSPECT

D. B. Powell,  
G. W. Fiske, Owners  
Aguila, Arizona

This property is a copper prospect, located 10 miles north of Aguila, Arizona, in Yavapai County.

To reach the property one takes the road out of town north as if going to Kingman for about 3 miles and there turn off the Kingman road and go straight ahead as if going into the mountain. The last 3 miles of road is not any too good but an auto can go over it.

The property consists of 4 locations and is held by doing assessment work.

There has been nothing shipped from this property, however the owners claim copper ore that goes 3% as an average. The copper is the carbonate of copper and occurs high up on the mountain, about 1500 feet above the valley.

The ore occurs in what appears to be an andesite flow in contact with a granodiorite. The Diorite being in the foot wall. There are some workings consisting of pits and short tunnels in the copper showings.

There are four places where the work shows the copper to spread out over 6 feet thick, and these points are at intersections of two breaks, one break having a North-South strike and the other very nearly an East-West strike, and both have a steep dip.

The five or six workings which have been dug into, showing strong copper, is very encouraging and indicates that more ore could be developed with depth. The vein matter is very silicious running about 70% SiO<sub>2</sub>.

I think this property could qualify for one of the development loans and it could be developed by either drill holes or tunneling.

The owners are willing to sell or lease and do it on outright Royalty free production basis. Price easy to agree to agree upon.

A. C. Nebeker

COPPER CHIEF

JULY 17, 1942

AGUILA, ARIZONA

A. C. NEBEKER

MINING PROSPECT

D. B. Powell  
C. W. Fiske, ) Owners  
Aguila, Arizona

This property is a copper prospect, located 10 miles north of Aguila, Arizona, in Yavapai County.

To reach the property one takes the road out of town north as if going to Kingman for about 5 miles and there turn off the Kingman road and go straight ahead as if going into the mountain. The last 5 miles of road is not any too good but an auto can go over it.

The property consists of 4 locations and is held by doing assessment work.

There has been nothing shipped from this property, however the owners claim copper ore that goes 3% as an average. The copper is the Carbonate of Copper and occurs high up on the mountain, about 1500 feet above the valley.

The ore occurs in what appears to be an Andesite flow in contact with a grano-diorite. The Diorite being in the foot wall. There are some workings consisting of pits and short tunnels in the copper showings.

There are four places where the work shows the copper to spread out over 8 feet thick, and these points are at intersections of two breaks, one break having a North-South strike and the other very nearly an East-West strike, and both have a steep dip.

The five or six cropping which have been dug into, showing strong copper, is very encouraging and indicates that more ore could be developed with depth. The vein matter is very silicious running about 70% SiO<sub>2</sub>.

I think this property could qualify for one of the development loans and it could be developed by either drill holes or Tunneling.

The owners are willing to sell or lease and do it on straight Royalty from production basis. Price easy to agree to agree upon.

A. C. Nebeker

COOPER CRIST

JULY 17, 1942

AGUILA, ARIZONA

A. C. HEBBARD

MINEING PROSPECT

D. E. Powell,  
C. V. Fisko, ) Owners  
Aguila, Arizona

This property is a copper prospect, located 10 miles north of Aguila, Arizona, in Yavapai County.

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The property consists of 4 locations and is held by doing assessment work.

There has been nothing shipped from this property, however the owners claim copper ore that goes 3% as an average. The copper is the carbonate of copper and occurs high up on the mountain, about 1300 feet above the valley.

The ore occurs in what appears to be an andesite flow in contact with a granite-diorite. The Diorite being in the foot wall. There are some workings consisting of pits and short tunnels in the copper showings.

There are four places where the work shows the copper to spread out over 3 feet thick, and these points are at intersections of two breaks, one break having a North-South strike and the other very nearly an East-West strike, and both have a steep dip.

The five or six workings which have been dug into, showing strong copper, is very encouraging and indicates that more ore could be developed with depth. The vein matter is very silicious running about 70% SiO<sub>2</sub>.

I think this property could qualify for one of the development loans and it could be developed by either drill holes or tunneling.

The owners are willing to sell or lease and do it on a straight Royalty from production basis. Prices easy to agree to agreed upon.

A. C. Hebbard

COPPER PROSPECT

JULY 17, 1948

AGUILA, ARIZONA

A. C. NEBEKER

MINING PROSPECT

D. B. Powell  
C. W. Fiske, ) Owners  
Aguila, Arizona

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I think this property could qualify for one of the development loans and it could be developed by either drill holes or Tunneling.

The owners are willing to sell or lease and do it on straight Royalty from production basis. Price easy to agree to agree upon.

A. C. Nebeker

COPPER CHIEF

JULY 17, 1942

AGUILA, ARIZONA

A. C. NEBEKER

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G. W. Fiske, ) Owners  
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A. C. Nebeker

July 10, 1943

Mr. Lee Benham,  
Route 1, Box 266  
Tucson, Arizona

Dear Mr. Benham:-

Your letter to Mr. Edres Herbert was forwarded to me with a letter from him, and he suggested that I write you at once regarding my copper property.

I am enclosing a copy of a report made on the property by Mr. Herbert. There is also attached to this report some results of assays which I have had made since Mr. Herbert made his examination; these were made by the American Smelting & Refining Co.

As mentioned in the report, the ore is principally carbonates as would be expected so near the surface. We have gathered chalcocite from small streaks in the 10 foot vein. One of the Field Engineers of the Arizona Department of Mineral Resources recently examined the property and he stated that it would undoubtedly go to sulphides at depth. There have never been any deep workings to prove this. In the fault West of these claims and adjoining them I have some gold claims which are about 500 feet lower in elevation than the copper deposit. This gold ore carries copper sulphides and assays of \$89.00 in gold have been obtained. I think this proves that the carbonates will go to sulphides deeper down. The ore is ideal for leaching as you will note from Mr. Mason's letter attached.

I prefer to lease on a straight royalty basis of 10% and would ask no down payment from responsible parties. Will sell if interested parties prefer. The price of the property is \$50,000.00.

The Field Engineer advised that the property would justify an RFC loan but it's just too big a proposition for me to handle, and, furthermore, my time is taken up with my manganese.

If you have parties interested in seeing the claims would suggest you write or wire me in advance as I am frequently away for a few days at a time.

If you wish further information, please advise me.

Yours very truly,

s/d G. W. Fiske

Preliminary Description of  
COPPER CHIEF Copper Silver Prospect  
\*\*\*\*\*

This property is situated about 10 miles north of the town of Aguila, Arizona, a railroad station on the Santa Fe Railroad. Also Highway 60 passes through this town.

There is a fair country road to the property over which an automobile can travel. An additional short piece of road of about 1/2 mile in length from the end of the present road would bring an automobile directly in front of the workings at the crest of apex of the ore body, which would be about 1000 feet above it.

The climate is excellent - work can be continued throughout the year.

There are four claims in the group which are unpatented.

There are no conflicting claims, no litigation, no surface improvements, no houses or machinery, works or mills on the property. There are two tunnels started which are about 300 feet apart, but do not intersect the ore body which is exposed at the surface. They would, if continued for about 50 feet, cut the ore body at about 100 feet in depth. The ore body at the apex is in place and has been exposed in a number of open cuts showing a commercial grade of ore in large quantities.

The deposit, which is well defined, is on a contact with Monzonite and Diorite porphyries. The vein or deposit strikes in a northwesterly and southwesterly direction. The width of the mineralized porphyries is from 300 to 500 feet; the dip is about 40 degrees in a northerly direction with the dip of the Diorite. The ore at the surface outcrops is an oxidized copper ore, carbonates, sulphates and streaks of bornite. Widths are big



Water can be had in abundance by wells in the nearby valleys. Wood for fuel is scarce and mining timber would have to be imported.

There are no maps or geological reports that the owner knows of or reports on the property.

Attached is a copy of a test made by Mr. B. F. Mason, a friend of the owner, showing the leaching possibilities of the ore.

Mr. Mason was for more than nine years superintendent of a large copper plant in Northern California.

The owner of this property is not financially able to develop such a large ore body.

Report by F. Herbert

GWFiske, owner

Aguila, Arizona

July 10, 1943

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PHELPS DODGE CORPORATION

United Verde Branch

Smelter Assay Office

Clarksdale, Ariz. 7/25/35

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Trusting that this may be of some assistance to you,  
I remain

Sincerely yours,

(signed) B. F. Mason



August 6th, 1943

Mr. James R. Gray  
Ransom's Court  
Tucson, Arizona

Dear Mr. Gray:

Your letter of August 3rd to George A. Ballam has been turned over to me for reply.

I find that we have no further information regarding the Copper Chief property near Aguila, but am making a copy of the report and placing it in our file. According to the statement by Mr. Fiske, the property evidently warrants application for a loan.

I'm sorry that we do not have in our files any detailed report on the copper-molybdenum property at Copper Creek. This property was operated by the Molybdenum Company of America and made sizeable production. I understand the property has been drilled and that there is undoubtedly a good amount of copper remaining. I believe it is worth an investigation.

Very truly yours

J. S. Coupal, Director

JSC:ach