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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: PAPAGO CHIEF GROUP

ALTERNATE NAMES:

NAPOLEON

BIG DEPOSIT

PIMA COUNTY MILS NUMBER: 71

LOCATION: TOWNSHIP 20 S RANGE 7 E SECTION 21 QUARTER NE

LATITUDE: N 31DEG 40MIN 37SEC LONGITUDE: W 111DEG 37MIN 43SEC

TOPO MAP NAME: PRESUMIDO PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER SULFIDE

SILVER

GOLD LODE

LEAD

URANIUM

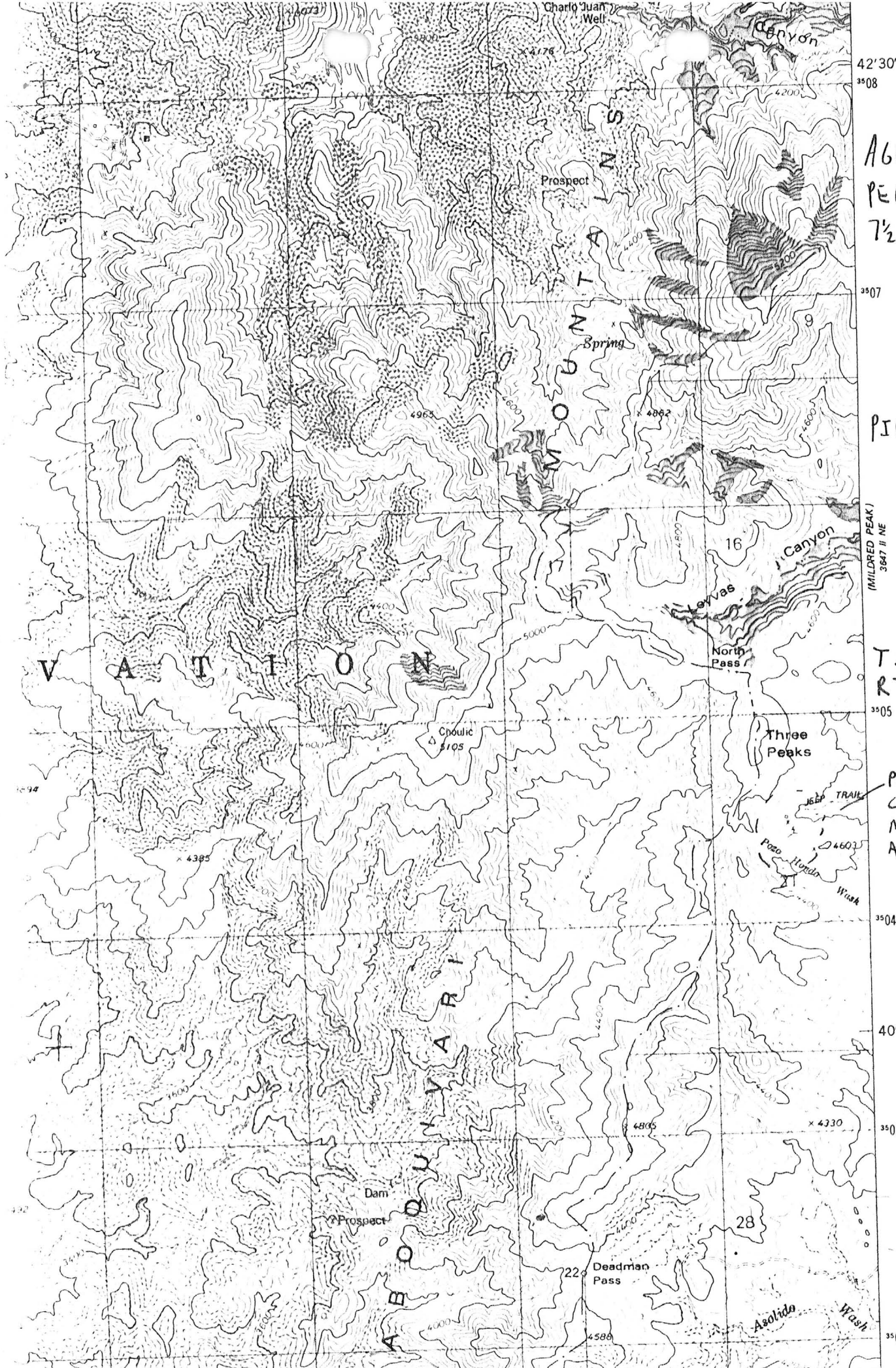
BIBLIOGRAPHY:

ADMMR PAPAGO CHIEF GROUP FILE

S.B. KEITH, AZBM BULL. 189, P. 109, 1974

USAEC RMO 679, WRIGHT, R.J., 1950

USAEC MRO 590 IN AEC FILES



42°30"
3508

AGUIRRE
PEAK
7 1/2 QUAD

3507

PIMA CO.

(MILDRED PEAK)
3647 ft NE

T205
RTE
3505 Sec 21

PAPAGO
CHIEF
MINE
AREA

3504

40'

3503

3502

PAPAGO CHIEF GROUP

PIMA COUNTY

RMO 679 in AEC files

ABM Bull 189, p. 109

MILS Sheet sequence number 0040190352

RMO 590 - AEC files

~~Quijotoa Mining District Guide Book by Bascom A. Stephens, 1884 - Geology file~~ No

*

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

MM 1166 Copper Ore

PIMA COUNTY

PAPAGO CHIEF MINE

MILS 671

1-A-1

Papago Chief 3 levels (alt)



Nichols & Apondale Insurance agent address
Tucson,
Arizona.

On ...
Un ...
In ...
Moved ...
No such office in state ...
Be sent ...

PAPAGO CHIEF GROUP

Cu, Ag, Au

Pima

10 - 7

T 20 S, R 7 E

Filberto Verduco

'44

UIVARI

OPERATOR AND ADDRESS:

METALS: CU, Sio2

MINE STATUS

DATE:

DATE:

5/1/44 S. Owens, Box 769, Tucson

5/1/44 Shipping

7/44 H. Bustamante, Tucson
(Deceased)

7/44 Developing

7/45 Nichols & Arondale, Tucson

8/44 Shut down

1/45 Developing

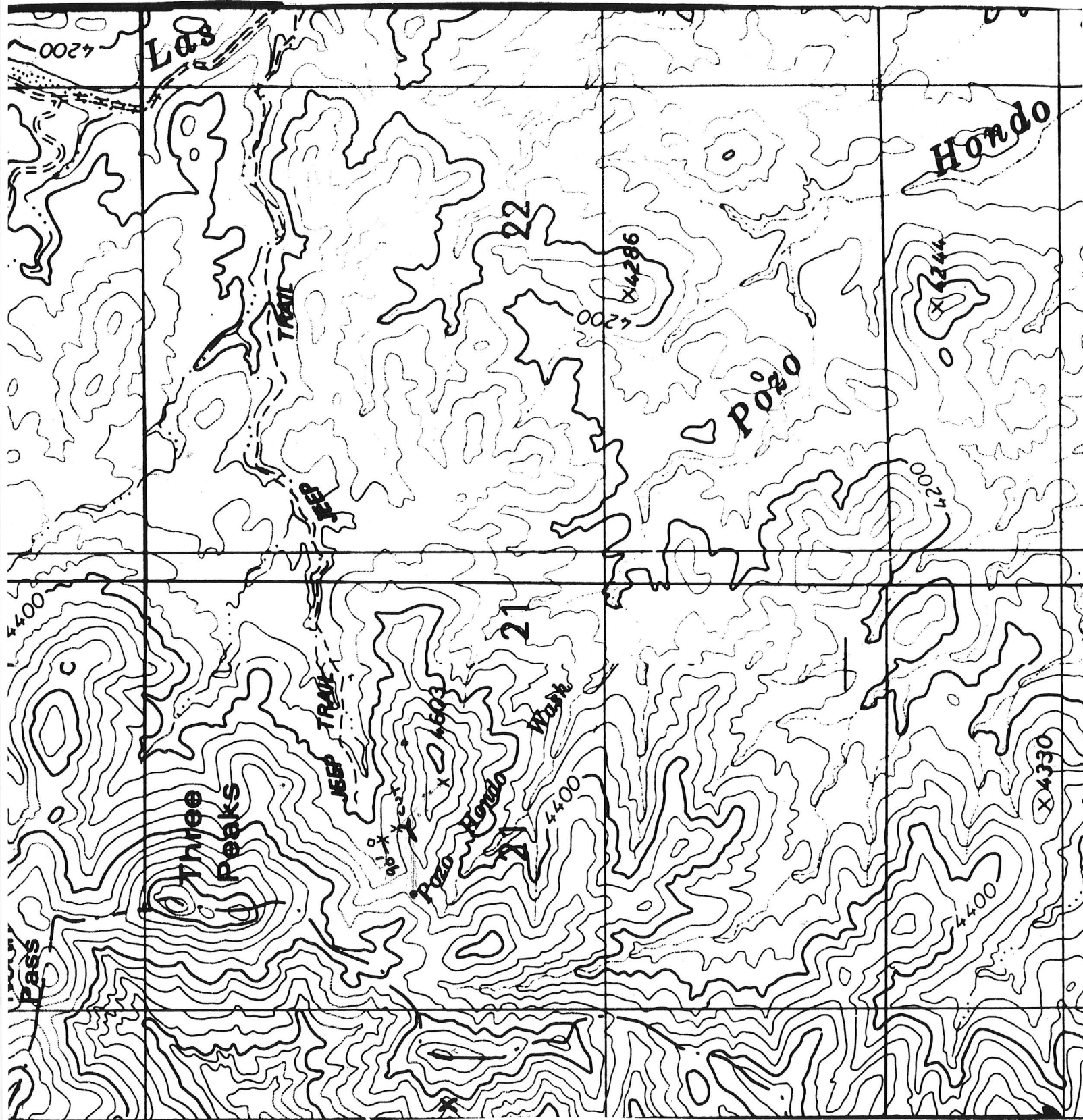
9/43 5 men employed

7/45 Shipping

5/46 Idle

RFC LOAN GRANTED 3,000







Field interview with Mrs. Harley Shambaugh - she says that Chick Hagerty has taken over George Harford's "Backbone" property near the Ruggles. GWI WR 8-30-65

NJN WR 10/15/82: Craig Borsheim, 1956 W. Devonshire, Mesa, Arizona 85201, phone 835-1617 visited. He and two others own four claims covering the Papago Chief Mine, Pima County, T20S R7E Sec.21. He was seeking assistance in finding out what was shipped from the mine. It was believed shipments were made to ASARCO between 1939 and 1943. A call to Marge Hinton with ASARCO Ore Purching Department determined that During October-December 1943, 419 tons of flux was shipped. That material average .03 oz/ton Au, 4.5 oz/ton Ag, 1.7% Cu, 84.6% Si and 4.7% Al. In 1944, 937 tons were shipped from the dump which had a average grade of .02 oz/ton Au, 2.9 oz/ton Ag, 1.4 % Cu, 80.1% Si and 7% Al.

KAP WR 12/10/82: In the company of Nyal Niemuth and with the claim owners, Craig Borsheim and Dick Bradley, a visit was made to the Papago Chief Mine in Section 21, T20S R7E. A separate report has been written. The occurrence has potential to supply a minimum of a few thousand tons of hand sorted siliceous (silica) flux for a copper smelter which will probably contain paying quantities of copper, silver and possible gold.

NJN WR 8/26/83: Craig Borsheim visited and reported that the high walls which were slabbing at the Papago Chief, Pima County, have been shot down. He also indicated he would be willing to have a capital source (person with equipment, etc.) help him improve the road and made shipments of siliceous flux to a copper smelter.

NJN WR 1/17/86: Craig Borsheim (c) visited and reported that his new address is 8107 E. Butte, Mesa, Az. 85207, Ph., 984-1643. He also reported that he is still involved with the Papago Chief (f) Pima Co. and has built a 12 X 16 foot sorting and loading platform.

P. P. Pago Chief

DATE: January 18, 1985
TO: Mr. F. J. Menzer, Chief Geologist ✓
FROM: J. A. Waegli, Geologist
SUBJECT: Arizona Department of Mineral Resources
List of Flux Properties

In early October, 1984, Mr. John Robertson, Ore Buyer for Phelps Dodge Corporation, requested that the Arizona Department of Mineral Resources (ADMR) compile a list of properties in the state that could produce material grading +80% SiO₂ and +1/3 O/T Au. In response, Mr. Nyal Niemuth, Mineral Resources Specialist with the ADMR, compiled a list of 16 properties (attached) that he feels are capable of producing +70% SiO₂ with \$100.00 metal credits. (He stated that he did not know of any mines capable of meeting Mr. Robertson's criteria.)

November 19-21 were spent in Phoenix examining ADMR files to obtain information on each of the mines. Mr. J. E. DuHamel of Western Exploration screened their files and compiled the resulting information in a memo dated November 27 (attached). Based on his memo, pertinent reports were copied from the Western Exploration files on December 3 and 4.

The following is a listing of these 16 properties arranged in order by quad number. A brief description of each property is given, with information on current activity and a summary of past work conducted by Phelps Dodge Corporation. Recommendations based on information compiled to date are also given. Table 1 summarizes information compiled in this report.

14. SILVER BELL-MARTINEZ (Figure 6): Pinal County, T.3S., R.12E., Sec. 18, AZ 341

The geology and history of this silver-lead property are well summarized in a report by Mr. D. M. Boggess, Morenci Branch geologist, dated October, 1982. The most recent report is by J. A. Waegli, dated May 16, 1984. This was written during contract negotiations with the owners, Western Energy and Resources Corporation (WERC). No agreement was signed due to lack of funds to conduct exploration on the property.

The ADMR files indicate that the property was acquired in August, 1984 by Kerley Industries, Inc. of Sahuarita, Arizona. It is suggested that Mr. Thomas Buza of Kerley be contacted to determine the property status. The Silver Bell is still considered to be an attractive exploration target, and if funds are available, an exploration lease could be pursued. It should be noted, however, that studies to date indicate that Silver Bell material will not make suitable smelter flux.

15. OKLAHOMA GROUP (Figure 6): Pinal County, T.3S., R.11E., Sec. 16, AZ 341

The ADMR files on this base and precious metal property are very sketchy since their main file was stolen several years ago. J. E. DuHamel's memo dated November 27, 1984 gives a good summary of the geology and mineralization, taken from a 1971 examination report by J. D. Forrester of Western Exploration. Mr. Forrester did not give a tonnage potential for veins on the property.

Based on available information, no specific recommendations can be made. A review of the current BLM index shows no Oklahoma claims in the area. However, Forrester's 1971 report indicated that the property is also known as the Gorilla, and a group of Lost Gorilla claims do appear on the index. The claimants are Messrs. Billy Upchurch, Nyle Leonard, and Emil Cody, and Mmes. Mary Cody and Judith Wylie. (Mr. Cody was listed as one of the submitters in Forrester's report).

It is suggested that the current owners be contacted for more information. If, based on this contact, the property sounds interesting, a field examination can be scheduled.

16. PAPAGO CHIEF (Figure 7): Pima County, T.20S., R.7E., Sec. 21, AZ 458

This property has produced base and precious metals from a north-south striking quartz-calcite vein stockwork that is approximately 1,000 feet long and up to 100 feet wide. Host rocks are metamorphosed Cretaceous sedimentary rocks. Base metal oxides and

sulfides are confined to the quartz-calcite veinlets, and gold and silver are enriched in the oxidized zone (Keith, 1974).

The veins have been developed by adits, shafts, and open cuts. Intermittent mining from the early 1900's to 1956 resulted in production of 4,500 tons of ore averaging 2% Cu, 5.6 O/T Ag, 0.04 O/T Au, and minor Pb (Keith, 1974). According to the ADMR files, some of this production went to Asarco as flux. A total of 1,356 tons shipped in 1943 and 1944 averaged 0.02 O/T Au, 3.39 O/T Ag, 1.5% Cu, 81.5% SiO₂, and 6.3% Al₂O₃.

The ADMR files state that an additional 2,000 to 3,000 tons of flux could be produced from the dumps by hand-sorting. No information is given as to the remaining vein potential; however, it appears as though past stoping and open cutting have left the area in poor condition.

This property has very minor production in light of the reported vein width. This leads to the conclusion that the ore is very spotty. However, the property is approximately 150 miles from Ajo and does have good flux grades. It is, therefore, suggested that the owners be contacted for more information and a field examination be scheduled, if warranted.

JAW:lms (13)

Enclosures

c: GA-056
Small Mines General - AZ

MINE AND PROSPECT FIELD VISIT DATA, SUMMARY

Sheet 1 of 2

COMMODITIES Copper, Silica Flux, Gold, SilverMILS ID No. 71 Date December 5, 1982ENGINEER Nyal Niemuth & Ken PhillipsINFORMATION FROM: Field Visit

PROPERTY SUMMARY

- I. MINE NAME Papago Chief OTHER POSSIBLE NAMES Big Deposit #1, Big Deposit East #1 & #2, Big Deposit West #1, Big Deposit North INCLUDING ANY CLAIM NAMES NOTED
- II. LOCATION: T 20S R 7E SEC(S) 21 MINE DISTRICT Baboquivari
ELEV. 4400' COUNTY Pima TOPO QUAD. Aquirre Peak 7½"
DIRECTIONS As on topo. Jeep trail from Ranch needs improvement last two miles to the property.
MAP ATTACHED Yes
- III. OWNERSHIP: NAME Craig Borsheim, William Lund, Dan Tempe PHONE 835-1017
ADDRESS: 1956 W. Devonshire, Mesa 85201
COMPANY NAME IF ANY: _____
PERTINENT PEOPLE Each owner listed above has a 1/3 undivided interest
- IV. PROPERTY AND HOLDINGS: Four unpatented mining claims on BLM Land (AMC 72224-28)
- V. PAST PRODUCTION - NOTED, KNOWN, PROBABLE, UNKNOWN, NONE Yes, see Papago Chief, Arizona Department of Mineral Resources file
- VI. CURRENT STATUS: Past Producer, currently idle
- VII. WORKINGS: Numerous shafts drifts and short prospect adits mostly caved or in bad repair. One large cut from which copper bearing silicious smelter flux was mined - now presents hazard to entry of old workings exposed.
- VIII. GEOLOGY AND MINERALOGY: DEPOSIT TYPE: Quartz vein stockwork
LENGTH: +1000' WIDTH: Approx. 100' ZONE IN STRIKE North-South
HOST ROCK: Metamorphosed Cretaceous sedimentary beds
ECONOMIC MINERALS: Copper oxide mineral, quartz
COMMENTS: _____
- IX. EQUIPMENT ON SIGHT: None

X. SAMPLING: NOTE TYPE IF ANY, DRILLING? Some recent grab sampling by current
claimants. Believed to have been drilled in early 1950's

XI. REFERENCES AND REMARKS For additional references see ADMR file.

Remarks: Main dump has potential to produce 3,000-4,000 tons of smelter flux by
hand sorting.

Pima Cty

Arizona Testing Laboratories

817 West Madison • Phoenix, Arizona 85007 • Telephone 254-6181

For Mr. Craig Borsheim
1956 W. Devonshire
Mesa, Arizona 85202

Date November 9, 1982

ASSAY CERTIFICATE

LAB NO.	IDENTIFICATION	OZ. PER TON		PERCENTAGES			
		GOLD	SILVER	COPPER			
8624	<u>Papago Chief</u>						
	Tunnel 1	0.13	14.	9.1	20'	Down	
	Tunnel 2	0.33	44.	11.	50'	Down	
	30' Shaft	0.02	1.9				

11% = 220#

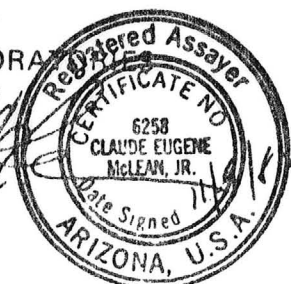
9.1% = 182#

Respectfully submitted,

ARIZONA TESTING LABORATORY

Claude E. McLean, Jr.

Claude E. McLean, Jr.



DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 1/16/44
 Name of Mine Copago Chief
 Owner or Operator A. B. Bement
 Address _____
 Mine Location Babiquan Mts - near Rostok Ranch

Filing Information

File System _____

File No. _____

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production _____; Development ☒; Financing _____; Sale of mine _____;

Experimental (sampling) _____; Owner's occasional trip _____;

Other (specify) _____

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months _____

Approx. present rate per 3 months _____

Anticipated rate next 3 months _____

If in distant future check (X) here _____

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	1927 Chev	1000	
Light or Service Trucks			
Ore Hauling Trucks			
Compressors			
Other Mine or Mill Eqpt.			

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

REMARKS:

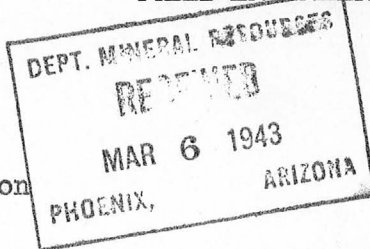
ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

George Ballan

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine Papago Chief
District Barbaquivari
Subject: Mine examination



Date March 5, 1943
Engineer George A. Ballam

Four unpatented claims held by Filiberto Verduzco of Tucson, and leased by Geo. Harford, Box 1892, Tucson. Situated in east foothills of Barbaquivari Mts. about 60 miles southeast of Tucson on the Sasabe road, thence 8 miles west through the Santa Marguerita ranch. Last two miles of road is rough but passable.

Ore occurs as chalcopyrite, bornite, and oxidized ores of copper, in shale, conglomerate and other sedimentaries which in places are capped by volcanic tuffs and breccias. Although values are disseminated throughout some 20 feet, the best ore is associated with numerous quartz stringers, some over one foot in thickness. These exposures occur in an open cut for a distance of 100 feet, north and south. To the south, tunnel continues from which numerous stopes have been made to surface, and at least one winze put down on ore. Workings are caved to some extent. In the floor of the open cut there was an old shaft and later a winze from which considerable work had been done about 50 feet below this cut. Winze followed dip of ore, about 60°, but both of these workings are now filled.

Some 100 feet north of the cut and about 100 feet west of the outcrop, there is a 90 foot shaft, untimbered except for collar sets, and water standing 20 feet from collar. It is stated by a miner who worked there during the last war that a cross cut started from this shaft to ore, an estimated 30 feet, encountered bad ground and caved, whereupon work was discontinued.

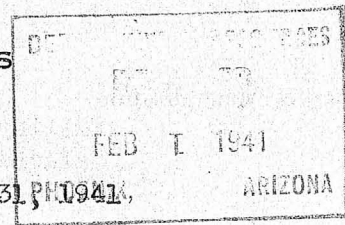
Some 200 feet west of the open cut, under a flow which caps the hill, a short tunnel, 30 feet, has been driven into the sedimentary rock which cut about two feet of ore carrying considerable lead, oxidized and galena. The dip here was flatter, about 35°. About one ton of ore was extracted and sold to Hugo Miller of Nogales in 1939. This assayed, according to liquidation sheet at hand, Au 0.05, Ag 10.0, Pb 32.5 and Cu 1.9, with gross value at old schedules of \$27.81.

There is no record ^{at hand} of shipments from older workings. Some 3000 tons of ore are on dumps which ran over \$12 at old prices. This is highly siliceous, and contains little lead although copper values are higher than above shipment, with gold and silver about the same. This ore could undoubtedly be marketed under prevailing copper silica situation, and lessee has been advised to submit samples to local representative of Hayden smelter.

No equipment remains on the property, and lessee has none available.

George A. Ballam

MP - 25
DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT



Date January 31, 1941

Mine Papago Chief Group

District Baboquivari, Pima Co.

Location 65 mi. S. W. from Tucson

Former name Same

Owner Filiberto Verduzco

Address 912 S. 4th Ave. (rear)
Tucson, Ariz.

Operator Same

Address

President No corp.

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Copper, Silver, Gold

Men Employed

Production Rate Not established

Mill: Type & Cap.

Power: Amt. & Type None

Operations: Present Idle

Operations Planned Depend on financing

Number Claims, Title, etc. Four unpatented lode claims on public domain - Names:- Napoleon Good luck, Chief Brother #1, Chief Brother #2

Description: Topog. & Geog. Rugged relief. Vein crosses canyon

Mine Workings: Amt. & Condition 1-Tunnel 300 ft. 200 ft. shaft vert. 50 l shaft incl 50' connected by mouth of 300' tunnel caved a/c stoping above. Other openings accessible. 1 shaft 90' with 40' drift not in the ore horizon. Has water.

(over)

Geology & Mineralization Country rock schist Vein str. E-W dips sly. Vein width 2'-8'
Filling largely quartz. Visible Minerals: Bornite, Chalcopyrite, Azurite
Malachite

Ore: Positive & Probable, Ore Dumps, Tailings Dump 800 tons. No high grade in sight. Faces show low grade. On the 200' drift, stopped above, not followed downward a/c water

Mine, Mill Equipment & Flow Sheet None.) Shipments by Charvoz, Hickey & Siebert

Date	Smelter	Gold	Silver	Copper	Pmts./ ton	Tons	Silica
1911	El Paso	1.80	22.4			45	
10-13-36	Douglas	.04	5.39	2.59	\$7.08	49,559	87.1%
10-27-36	Magma	.07	7.00	2.79	10.73	41.8165	87.4%
3-31-37	"	.04	5.60	2.74	10.06	47.4025	85.4%
Road Conditions, Route 4-20-37	"	.02	4.50	2.09	6.67	62.8395	81.0%
By F. Verduzco							
5-4-39	Hugo Miller	0.30	36.0	8.10	42.08	2.417	-
6-8-39	Tuc.Ore	0.21	26.4	7.28	31.56	1.85	
Buying							

Water Supply Believed enough water for small mill. More can be developed

ROAD CONDITIONS, ROUTE Paved h'way 25 mi, surfaced h'way 30 mi to Sta Marg Ranch-Improved road to mine 4 mi, 2.5 mi of which is in canyon and washes out in heavy rains and is rough. Trucks and cars can drive to mine.

Brief History Believed located in 1909 and 2 cars shipped which didn't pay for mining expense
Miners raised and struck pay ore.

By Gundecker 11 cars. - World War period

Note by Field Engr: The firm of Hatcher & Carpenter did the assaying for Gundecker shipments
Records are not available, but the operation is recalled as ore of unusually high grade and the operation was financially quite successful ----M. M. C.

Special Problems, Reports Filed None on hand. Believe one made by Capt. Whitney.

Remarks Manuel Carrilo, 130 S. Convent, Tucson. Worked for Gundecker on shipments.
By Owner is aged and ill. Has known property for fifty years.
Field
Engr.

If property for sale: Price, terms and address to negotiate. For sale on lease and bond.

Signed.....Filiberto Verduzco.....

Use additional sheets if necessary.

304
April 11, 1944

Sherwood Owens
Box 7649
Tucson, Arizona

Dear Sherwood:

I do not recall whether you have ever applied for a serial number covering your 'Papago Chief' operation. In the event that it is non-serialized, I would advise you to apply for a serial number, to facilitate obtaining a compressor and other frozen equipment which you will need for the proposed mining operation. As a copper producer, you are eligible for a serial number.

For blanks and information write A. C. Nebeker, Regional Technical Adviser, War Production Board, 402 Security Building, Phoenix, Arizona. I have taken the matter up with Mr. Nebeker and he feels that you should avail yourself of serialization if you have not already done so.

With best regards, I am

Very truly yours,

George A. Ballam
Assistant to the Director

GAB:JES

September 13, 1943

Office of Defense Transportation
Motor Transport Division
Security Building
Phoenix, Arizona

Gentlemen:

Mr. Sherwood Owens, Box 769, Tucson, has recently taken over operation of the Papago Chief Mine in the Barboquivari Mining District, approximately 65 miles southwest of Tucson, off the Sasabe Highway. The property was examined by this Department last spring for the purpose of substantiating application for a \$3,000 R.F.C. loan which has since been granted Mr. Owens.

This operator commenced shipping ore this week, September 13. The ore is a copper silica fluxing ore, in great demand at the Hayden smelter of A.S. & R. to which operator is shipping. Recent communication from Mr. Brent Rickard of A.S. & R. shows the ore to contain 84 percent SiO_2 , an exceptionally good fluxing grade.

Since this ore is being mined from an open cut with large tonnage showing and readily available, the operator proposes to ship as rapidly as possible and for this reason is applying for this new equipment. In addition, some 2,000 tons of ore already mined are available for immediate shipment.

Mr. Owens is also planning an operation of two other mining properties in the district with R.F.C. aid. One is a lead-zinc mine; the other a fluorspar.

In view of the quality and quantity of the strategic ores concerned we recommend that the operator be permitted to purchase such new trucks as will be required to adequately serve these properties and also wish to certify to the war need of this equipment.

Yours very truly,

J. S. Coupal, Director

JSC:LP

Lucky Fund

May 14, 1943

MEMORANDUM

Papago Chief
George Harford

TO: George A. Ballam

FROM: J. S. Coupal

In reply to your memorandum of May 11 on the Papago Chief Mine, I believe Mr. George Harford should immediately put in an application for \$3000 for a working capital loan and stress the fact that this ore shows up as a high silica-copper ore,

If he will carefully outline just how he intends to spend the money and what production he will be able to get, I feel as though on your recommendation the loan should be approved in short time.

P. S. We recommended the Papago Chief Mine not for unwatering the shaft but for making accessible the ore mentioned.

Sam--

This property, 'Papago Chief,' looks like it would be worth a go. Operator should get down under the ore in open cut, which in old 50 foot workings was in bornite, with values out into sedimentary country rock. These can still be seen in pillars left in tunnel and stopes. Crosscutting from bottom of 90 ft. shaft, which is lower, will give considerable new ore beneath deepest of old workings.

I believe the ore on dump should yield at least 2000 tons, after sorting, of marketable ore, very high in silica, but definite evidence is forthcoming on this. Harford is also trying to dig up the old smelter returns on ore shipped during last war and before.

He has worked in this district for a good many years - enlisted when the war broke out from an adjacent property in the Barbos where he was loading out a car of ore.

Harford is submitting application for accessibility loan. He is supplied with reports and maps made by J.B. Tenney in 1938.

A handwritten signature in cursive script, appearing to be 'J. B. Tenney', is written in the center of the page.

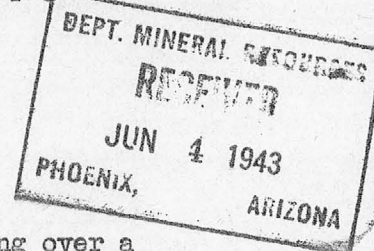
June 2, 1943

MEMORANDUM

Papago Chief Mine

To: Director, Dept. Mineral Resources

From: George A. Ballam



I spent some time this evening going over a set-up with George Harford for amending his previous application to one for operating capital, ignoring any reference to the shaft which he formerly proposed to unwater.

There are some 2000 to 3000 tons of ore on the dump which can be sorted to at least 1000 tons of commercial ore. This has been investigated by AS&R and is of acceptable grade, especially from the standpoint of flux. It runs over 87% SiO_2 on the basis of carload shipments already made. It is a quartz and quartzite gangue with larger chunks of country rock which can readily be removed by sorting.

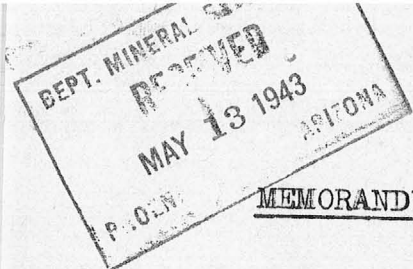
The open cut, whence this ore came, also presents a ready source of similar type ore, but of higher grade. Little cleaning out is necessary in the tunnel and ~~winses~~ ^{inclines} off the cut, and this operation should accompany the foregoing, both from the standpoint of sweetening the ore and capability of operation without conflict.

Pima Co. authorities have promised road improvement. I would recommend the employing of about 8 men on both operations, allocating \$1000 to carry on each, simultaneously, for a period of about 6 weeks, and a third \$1000 for rental of compressor, purchase of jackhammer, pipe, hose, track, car, and such simple camp equipment as is necessary to this operation. Since there are about two cars or so of ore already screened which can be moved at once, and more can follow without delay, I believe the \$3000 operating capital proposed should be ample for six weeks or two months operation, when initial returns will be coming in.

I would not hesitate to undertake this operation myself on the above basis, and I believe that with any kind of competent management, the set-up is justified. Harford has had considerable experience mining, in this district. Frequently a good miner is not a good manager, and this operation is going to be largely one of management. I cannot answer for the personal equation, but I believe it is as good a risk as the average.

G. A. Ballam

He is planning on
Contracting hauling
by.



May 11, 1943

MEMORANDUM

Papago Chief Mine
(George Harford)

To: Director, Dept. Mineral Resources
From: George A. Ballam

Mr. Harford informed me that his application for an accessibility loan on this property had not been allowed. It appears from the correspondence on the subject, that there was doubt about ~~the~~ the feasibility of opening up the old shaft, and completing the cross-cut under the ore body to the south.

There is a dump of about 2000 tons of \$12 copper ore, with a couple of cars already screened and ready to ship. The old open cut from which all of this ore came shows good ore in the face of shipping grade. This can be taken out with little development. All of this ore is siliceous, smelter returns on several cars showing up to 87 percent SiO₂. Recent sampling substantiated this with about 3 percent copper. Mr. Rickard of AS and R Co., is extremely anxious to get this ore, which has been tested by the company. Furthermore, Mr. Harford has had the Pima Co., authorities fix up his road, so that he now need only working capital to get into production.

He has asked me to take this matter up with a view to reopening his application, not with a view to unwatering, but to get immediately available ore out as indicated. Hayden has given him a \$2 treatment charge, and in my opinion, a \$3000 loan is warranted with ore in sight.

Kindly advise me what he should do to get going here.

George A. Ballam

*

Papaya chief

April 1, 1943

Mr. George T. Harford
Box 1892
Tucson, Arizona

Dear Mr. Harford:

This will acknowledge and thank you for your letter of March 27 together with the various data which has been added to your docket. As requested, we are returning herewith the copy of your map.

Your letter explains considerable concerning the location and width of ore which was not obvious from the inclusions in your original docket. It is unfortunate, however, that the American Smelting, Refining and Mining firm's settlement sheet had to be based on shipments made six or eight years ago rather than on a sample of your dump which you proposed to ship. A dump sample would, of course, carry considerable more weight than a recalculation which has already gone.

It is noticed that the 90 foot shaft which you propose to unwater and rehabilitate is not claimed to be in ore and that further sinking must be accompanied before it will encounter the ore zone on its depth. Doubtless the RFC will request that this work be deferred pending the rehabilitation of other workings which are supposed to be in ore. It is their policy, of course, not to allow work which is not at least on a vein.

* We have forwarded your application with our recommendation that a loan be granted; however, we do feel that the application is weak in several respects and do not know that our recommendation will be accepted by the RFC who, after all, are the final judge in these matters.

Very truly yours,

Earl F. Hastings
Projects Engineer

EFH:kk

cc - Mr. George A. Ballam
Box 495
Tucson, Arizona

*Papago
Chief*

Tucson, Arizona
March 27, 1943

Department of Mineral Resources
State of Arizona
413 Home Builders Building
Phoenix, Arizona
Atten. Mr. Earl F. Hastings
Projects Engineer

Dear Mr. Hastings:

Your letter of March 24, 1943, duly received and contents noted.

With reference to your request for specific data as to the values and width's of ore anticipated, will say that Mr. Carrillo's letter, which was attached to my application, states that a five foot vein was encountered and twelve cars of high grade ore was shipped to the Douglas Smelter. This vein is now under water so cannot be examined or sampled at this time, however, the values of the dump ore, being the rejects from the shipping ore, should give some indication of the quality of the ore produced from this property.

The sample from the open cut was obtained by cutting a twelve foot sample across the face of the open cut and location of same was indicated on the map attached to the application,

The tunnel sample was a cut from top to bottom across the 24" width of the vein, also located on the map. and to verify this assay, you will find enclosed, herewith, assay of the ore shipped from this tunnel, in July, 1939.

The dump ore sample, which also shows on the map was obtained by taking 24 shovels on the East end of the dump and quartering down to a 60 pound sample, which assay was attached to the application.

Regarding Mr. Ballam's recommendation to submit sample to Hayden Smelter, please find enclosed, herewith, American Smelting and Refining Company's report on this ore.

* The Jacobs report consist of two assays, the number one, under date of June 25, 1938, was taken by myself in the old workings, which is now sloughed in and was inspected by Mr. J. B. Tenny at that time. The number two sample, same date, was taken across five foot at the portal and is still accessable and was checked by Mr. Ballam.

The open cut referred to on the map was originally the tunnel, but, has since been stoped out on the vein and is now open, as shown on photo enclosed with the application.

A copy of the sketch map, which accompanied the application, is enclosed, herewith, for your information and will ask that you kindly return same for my record, when you have obtained such information as requested in your letter.

From my previous experience, on this property, I feel sure that it can be developed into a big producer, and I shall be glad to furnish all information at my command.

Very Truly Yours

George T. Harford

P.O. Box #1892
Tucson, Arizona.

GH/JRH

March 24, 1943

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

Attached is a copy of a letter to Mr. George T. Harford relative to his mine loan application. When the docket was forwarded to us for review, the RFC had made a notation that they felt that the specific data was too incomplete to warrant a loan but was of sufficient interest that the applicant should be given an opportunity to elaborate on the various points mentioned.

If you would contact Mr. Harford and go over the points in the letter, it would be greatly appreciated. If Harford has not sent samples to Hayden, I would certainly advise that he do so as there are a number of cases where the proven fluxing goods of an ore has turned the trick in the obtaining of a loan.

*

C

March 24, 1943

Mr. George T. Harford
Box 1892
Tucson, Arizona

Dear Mr. Harford:

Your application for an RFC mine loan has been received by this Department for review and recommendation. We are adding to your docket the report of March 5, 1943 by George A. Ballam and a mine owner's report which was filed by Mr. Verduzco on January 31, 1941.

We do find certain points in your application are not quite clear and feel that these should be elaborated upon before we return the docket to the RFC. There is very little specific data as to values and widths of ore anticipated. Even the samples which you yourself have cut are not described in such a manner as they can be definitely located and the width of ore ascertained. This is particularly true of the samples of the open cut and tunnel. We would also like to know how you took the dump sample and whether or not it represents ore which has been sorted and will represent a smelter shipping grade.

We note that Mr. Ballam recommended that you submit samples to the Hayden smelter for analysis particularly as to the value of the ore as a fluxing material. In the event that you have followed his suggestion, would you please inform us as to the smelter's reaction?

In short, your property appears to warrant an RFC loan; however, the data is such that it would be questioned by the RFC engineers. Our recommendation, if not substantiated by definite facts, would be of no avail in obtaining a loan for you.

* May we hear from you at the earliest possible date so that your application will not be held pending any longer than is absolutely necessary.

Be assured of our interest and desire to help you in any manner possible.

Very truly yours,

Earl F. Hastings
Projects Engineer

EFH:kk
cc - George A. Ballam

7 March 1941

Mr. B. M. Snyder,
117 South Sycamore Avenue,
Los Angeles, California.

My dear Mr. Snyder:

Complying with request of Mr. Miles M. Carpenter, Field Engineer, I am enclosing herewith, a copy of mine owners report covering the Papago Chief Group in the Baboquivari Mining District, Pima County, Arizona.

Trusting that this report will give you the information desired, and assuring you of my desire to be of assistance to you, I am

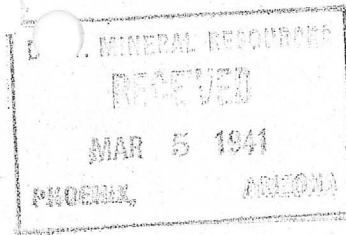
Yours very truly,

J. S. Coupal
Director

JSC-jrf
encl.

cc-Miles M. Carpenter

*



Tucson, Arizona

4 March, 1941

M E M O R A N D U M

TO: J. S. Coupal, Director

FROM: Field Engineer, Southern District

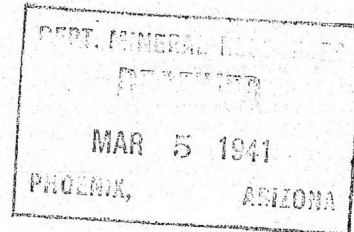
SUBJECT: Request on Papago Chief Mine

Copy of letter from B. M. Snyder, 117 S. Sycamore Ave., Los Angeles, California, is enclosed and also a copy of my reply to him.

Will you please forward Mr. Snyder a copy of the report that I filed with your office together with any other information you may have gathered.

Miles M. Carpenter

*



March 4, 1941

Box 841,
Tucson, Arizona

Mr. B. M. Snyder
117 S. Sycamore Ave.
Los Angeles, Calif.

Dear Mr. Snyder:

With reference to your letter of February 27th regarding the Papago Chief Mine, I must say that I do not know of any place where the complete data on this mine may be found.

I distinctly recall that the shipments made by Gundecker during the World War reached a substantial tonnage and it was a much higher than average grade of shipping ore. We are not permitted to express our opinions as to the merits of any property, but I am going to tell you that from all the data I have available, hearsay and otherwise, I feel that the property justifies consideration.

Mining titles on the Papago Indian Reservation are good as long as the annual rental of 5¢ per acre is kept paid. There is a distinct advantage in operating on the reservation, in that, no person can make a legal location of any ground that is being held in compliance with the Federal Mining Laws, and the rulings of the Reservation. Personally, I would much prefer to operate on the Indian Reservation than on unappropriated public domain.

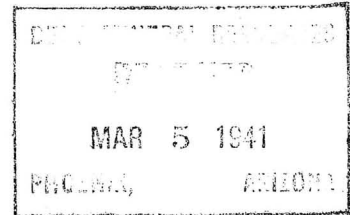
In case you come to Tucson for this examination or at any other time, I hope you will call so we may become acquainted. I remember you name from Middlesboro days.

Sincerely yours,

Miles M. Carpenter,
Field Engineer.

MM:CP

B. M. SNYDER
CONSULTING ENGINEER
117 South Sycamore Avenue
Los Angeles, Calif.



February 27, 1941

Mr. Miles Carpenter
University of Arizona
Tucson, Ariz.

Dear Mr. Carpenter:

I am investigating a mine in your section, the "Papago Chief" about 60 miles southwest of Tucson, and probably you are quite familiar with it.

I have been unable to find any data on it in the library here, and I would very much appreciate it if you would write your opinion of the property, and all the information available to you in connection with it.

Also, may I ask if titles held such as this one, by location, are satisfactory when situated in an Indian Reservation, and what are the complications as a result of this location?

I would very much appreciate an answer at an early date.

Very truly,

(signed) B. M. Snyder.

5 February 1941

Mr. Charles D. Tanksley,
309 E. W. Hellman Building,
Los Angeles, California.

My dear Mr. Tanksley:

With further reference to your request for information on the 'PAPAGO CHIEF GROUP in the Baboquivari Mining District, Pima County, Arizona, I am enclosing herewith copy of mine owners report which Mr. Carpenter has obtained from Mr. Verduzco.

Trusting that this report will give you the desired information, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encl.

Tucson, Arizona

31 January, 1941

M E M O R A N D U M

TO: J. S. Coupal, Director

FROM: Field Engineer, Southern District

SUBJECT: Papago Chief Group

Enclosed is owner's report on Papago Chief mine together with information by field engineer.

I must report that more than 4 hours were consumed in gathering this data. There is no Papago Chief mine record owned by Filiberto Verduzco, but several other claims bearing that name are owned by other people. The original Papago Chief mine is now known as the Napoleon claim.

Verduzco was contacted at his home, where he is ill, and this information obtained.

Miles M. Carpenter

*

25 January 1941

Mr. Charles D. Tanksley,
309 H. W. Hellman Building,
Los Angeles, California.

My dear Mr. Tanksley:

Replying to your letter of January 22, I beg to advise that we have no record of the PAPAGO CHIEF MINE in Pima County owned by Mr. Filberto Verduzco.

However, I am today forwarding your letter to our field engineer in Pima County, Mr. Miles M. Carpenter, with the request that he obtain any information possible on this property. As soon as I hear from Mr. Carpenter I shall again write you.

We have no bulletin covering mines in Pima County.

Yours very truly,

J. S. Coupal
J. S. Coupal
Director

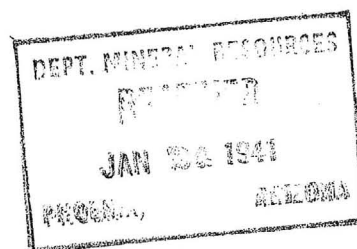
JSC-jrf

cc-Miles M. Carpenter

*Repl mailed
1/31-41
mmc*

*
*Miles:-
Return letter
together with
information.*

309 H. W. Hellman Building
Los Angeles, California
January 22, 1941



Bureau of Mines
Phoenix, Arizona

Gentlemen:

Would it be possible for you to furnish me with the latest Bulletin covering mines in Pima County -- particularly the "PAPAGO CHIEF"? The owner of this mine is Filberto Verduzco.

If you can comply with my request, I would greatly appreciate it if you would mail this Bulletin to me at the above address.

Thanking you for your courtesy, I remain

Sincerely yours,

CDT:B

CHAS. D. TANKSLEY

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date 1/16/44

Name of Mine Papago Chief

Owner or Operator A. Bustamente

Address _____

Mine Location Baboquivan Mts - near Rostado Ranch

Filing Information

File System _____

File No. _____

This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production _____; Development ☒; Financing _____; Sale of mine _____;

Experimental (sampling) _____; Owner's occasional trip _____;

Other (specify) _____

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months _____

Approx. present rate per 3 months _____

Anticipated rate next 3 months _____

If in distant future check (X) here _____

EQUIPMENT OPERATED:

Type

Quantity or
Horse Power

Miles or Hours
Per Month

Gallons Required
Per Month

Personal Cars

1937 Chev

1000

Light or Service Trucks _____

Ore Hauling Trucks _____

Compressors _____

Other Mine or Mill Eqpt. _____

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Copper

REMARKS:

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By

George Salas

MP-25
DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date January 31, 1941

1. Mine **Papago Chief Group** 2. Location **65 mi. S. W. from Tucson**
3. Mining District & County **Baboquivari, Pima Co.**
4. Former name
5. Owner **Filiberto Verduzco** 6. Address (Owner) **912 S. 4th. Ave. (rear)
Tucson, Arizona.**
7. Operator **Same** 8. Address (Operator)
9. President, Owing Co. **No Corp.** 9A. President, Operating Co.
10. Gen. Mgr. 14. Principal Minerals **Copper, Silver, Gold**
11. Mine Supt. 15. Production Rate **Not established**
12. Mill Supt. 16. Mill: Type & Cap.
13. Men Employed 17. Power: Amt. & Type **None**
18. Operations: Present **Idle**

19. Operations: Planned **Depend on financing**

20. Number Claims, Title, etc. **Four unpatented lode claims on public domain - Names:- Napoleon
Good luck, Chief Brother #1, Chief Brother #2**

21. Description: Topography & Geography **Rugged relief. Vein crosses canyon.**

22. Mine Workings: Amt. & Condition **1-Tunnel 300 ft., 200 ft., shaft vertical 50 l shaft incl 50'
connected by mouth of 300' tunnel caved a/c stopping above.
Other openings accessible. 1 shaft 90' with 40' drift not
in the ore horizon. Has water.**

23. Geology & Mineralization Country rock schist vein str. E-W dips sly. Vein width 2'-8'
Filling largely quartz. Visible Minerals: Bornite, Chalcopyrite,
Azurite Malachite.

24. Ore: Positive & Probable, Ore Dumps, Tailings Dump 800 tons. No high grade in sight. Faces show
low grade. On the 200' drift, stoped above, not followed downward
a/c water.

Shipments by Charvoz, Hicky & Siebert

24A. Dimensions and Value of Ore body

Date	Smelter	Gold	Silver	Copper	Pmts./ ton	Tons	Silica
1911	El Paso	1.80	22.4			45	
10-13-36	Douglas	.04	5.39	2.59	\$7.08	49,559	
10-27-36	Magma	.07	7.00	2.79	10.73	41.8165	87.0%
3-31-37	Magma	.04	5.60	2.74	10.06	47.4025	85.4%
4-20-37	Magma	.02	4.50	2.09	6.67	62.8395	81.0%
			By F. Verduzco				
5-4-39	Hugo Miller	.30	36.0	8.10	42.08	2.417	
6-8-39	Tuc. Ore	.21	26.4	7.28	31.56	1.85	

26. Road Conditions, Route Paved highway 25 mi. surfaced highway 30 mi to St. Mary's Ranch- Improved
road to mine 4 mi. 2.5 mi. of which is in canyon and washes out in heavy rains
and is rough. Trucks and cars can drive to mine.

MINE, MILL EQUIPMENT & FLOW SHEET---None

27. Water Supply Believed enough water for small mill. More can be developed.

28. Brief History Believed located in 1909 and 2 cars shipped which didn't pay for mining
expense. Miners raised and struck pay ore.
By Gundecker 11 cars.- World War period
Note by Field Engineer: The firm of Hatcher & Carpenter did the assaying for Gundecker
shipments. Records are not available, but the operation is recalled
as ore of unusually hi-grade and the operation was financially quite

29. Special Problems, Reports Filed - successful----M. M. C.
None on hand. Believe one made by Capt. Whitney.

30. Remarks Manuel Carrilo, 130 S. Convent, Tucson, Worked for Gundecker on shipments.
Owner is aged and ill. Has Known property for fifty years.

By Field Engineer:

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

For sale on lease and bond.

32. Signature (Signed) Filiberto Verduzco

33. Use additional sheets if necessary.

MP - 25
DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

RECEIVED
FEB 1 1941
ARIZONA

Date January 31, 1941

Mine Papago Chief Group

District Baboquivari, Pima Co.

Location 65 mi. S. W. from Tucson

Former name Same

Owner Filiberto Verduzco

Address 912 S. 4th Ave. (rear)
Tucson, Ariz.

Operator Same

Address

President No corp.

Gen. Mgr.

Mine Supt.

Mill Supt.

Principal Metals Copper, Silver, Gold

Men Employed

Production Rate Not established

Mill: Type & Cap.

Power: Amt. & Type None

Operations: Present Idle

Operations Planned Depend on financing

Number Claims, Title, etc. Four unpatented lode claims on public domain - Names:- Napoleon Good luck, Chief Brother #1, Chief Brother #2

Description: Topog. & Geog. Rugged relief. Vein crosses canyon

Mine Workings: Amt. & Condition 1-Tunnel 300 ft. 200 ft. shaft vert. 50 l shaft incl 50' connected by mouth of 300' tunnel caved a/c stoping above. Other openings accessible. 1 shaft 90' with 40' drift not in the ore horizon. Has water.

Geology & Mineralization Country rock schist Vein str. E-W dips sly. Vein width 2'-8'
Filling largely quartz. Visible Minerals: Bornite, Chalcopyrite, Azurite
Malachite

Ore: Positive & Probable, Ore Dumps, Tailings Dump 800 tons. No high grade in sight. Faces show low grade. On the 200' drift, stopped above, not followed downward a/c water

Mine, Mill Equipment & Flow Sheet None.) Shipments by Charvoz, Hickey & Siebert

Date	Smelter	Gold	Silver	Copper	Pmts./ ton	Tons	Silica
1911	El Paso	1.80	22.4			45	
10-13-36	Douglas	.04	5.39	2.59	\$7.08	49,559	87.1%
10-27-36	Magma	.07	7.00	2.79	10.73	41.8165	87.4%
3-31-37	"	.04	5.60	2.74	10.06	47.4025	85.4%
4-20-37	"	.02	4.50	2.09	6.67	62.8395	81.0%
By F. Verduzco							
5-4-39	Hugo Miller	0.30	36.0	8.10	42.08	2.417	-
6-8-39	Tuc. Ore	0.21	26.4	7.28	31.56	1.85	-

Buying

Water Supply Believed enough water for small mill. More can be developed

ROAD CONDITIONS, ROUTE Paved h'way 25 mi, surfaced h'way 30 mi to Sta Mary Ranch-Improved road to mine 4 mi, 2.5 mi of which is in canyon and washes out in heavy rains and is rough. Trucks and cars can drive to mine.

Brief History Believed located in 1909 and 2 cars shipped which didn't pay for mining expense
Miners raised and struck pay ore.

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Note by Field Engr: The firm of Hatcher & Carpenter did the assaying for Gundecker shipments
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Special Problems, Reports Filed None on hand. Believe one made by Capt. Whitney.

Remarks Manuel Carrilo, 130 S. Convent, Tucson. Worked for Gundecker on shipments.
By Owner is aged and ill. Has known property for fifty years.
Field
Engr.

If property for sale: Price, terms and address to negotiate. For sale on lease and bond.

Signed.....Filiberto Verduzco.....

Use additional sheets if necessary.

April 11, 1944

Sherwood Owens
Box 7649
Tucson, Arizona

Dear Sherwood:

I do not recall whether you have ever applied for a serial number covering your 'Papago Chief' operation. In the event that it is non-serialized, I would advise you to apply for a serial number, to facilitate obtaining a compressor and other frozen equipment which you will need for the proposed mining operation. As a copper producer, you are eligible for a serial number.

For blanks and information write A. C. Nebeker, Regional Technical Adviser, War Production Board, 402 Security Building, Phoenix, Arizona. I have taken the matter up with Mr. Nebeker and he feels that you should avail yourself of serialization if you have not already done so.

With best regards, I am

Very truly yours,

George A. Ballam
Assistant to the Director

GAB:JES

September 13, 1943

Office of Defense Transportation
Motor Transport Division
Security Building
Phoenix, Arizona

Gentlemen:

Mr. Sherwood Owens, Box 769, Tucson, has recently taken over operation of the Papago Chief Mine in the Barboquivari Mining District, approximately 65 miles southwest of Tucson, off the Sasabe Highway. The property was examined by this Department last spring for the purpose of substantiating application for a \$3,000 R.F.C. loan which has since been granted Mr. Owens.

This operator commenced shipping ore this week, September 13. The ore is a copper silica fluxing ore, in great demand at the Hayden smelter of A.S. & R. to which operator is shipping. Recent communication from Mr. Brent Rickard of A.S. & R. shows the ore to contain 84 percent SiO_2 , an exceptionally good fluxing grade.

Since this ore is being mined from an open cut with large tonnage showing and readily available, the operator proposes to ship as rapidly as possible and for this reason is applying for this new equipment. In addition, some 2,000 tons of ore already mined are available for immediate shipment.

Mr. Owens is also planning an operation of two other mining properties in the district with R.F.C. aid. One is a lead-zinc mine; the other a fluorspar.

In view of the quality and quantity of the strategic ores concerned we recommend that the operator be permitted to purchase such new trucks as will be required to adequately serve these properties and also wish to certify to the war need of this equipment.

Yours very truly,

J. S. Coupal, Director

JSC:LP

Lucky Ford

May 14, 1943

MEMORANDUM

Papago Chief
George Harford

TO: George A. Ballam

FROM: J. S. Coupal

In reply to your memorandum of May 11 on the Papago Chief Mine, I believe Mr. George Harford should immediately put in an application for \$3000 for a working capital loan and stress the fact that this ore shows up as a high silica-copper ore,

If he will carefully outline just how he intends to spend the money and what production he will be able to get, I feel as though on your recommendation the loan should be approved in short time.

P. S. We recommended the Papago Chief Mine not for unwatering the shaft but for making accessible the ore mentioned.

Papaya chief

April 1, 1943

Mr. George T. Harford
Box 1892
Tucson, Arizona

Dear Mr. Harford:

This will acknowledge and thank you for your letter of March 27 together with the various data which has been added to your docket. As requested, we are returning herewith the copy of your map.

Your letter explains considerable concerning the location and width of ore which was not obvious from the inclusions in your original docket. It is unfortunate, however, that the American Smelting, Refining and Mining firm's settlement sheet had to be based on shipments made six or eight years ago rather than on a sample of your dump which you proposed to ship. A dump sample would, of course, carry considerable more weight than a recalculation which has already gone.

It is noticed that the 90 foot shaft which you propose to unwater and rehabilitate is not claimed to be in ore and that further sinking must be accompanied before it will encounter the ore zone on its depth. Doubtless the RFC will request that this work be deferred pending the rehabilitation of other workings which are supposed to be in ore. It is their policy, of course, not to allow work which is not at least on a vein.

* We have forwarded your application with our recommendation that a loan be granted; however, we do feel that the application is weak in several respects and do not know that our recommendation will be accepted by the RFC who, after all, are the final judge in these matters.

Very truly yours,

Earl F. Hastings
Projects Engineer

EFH:kk

cc - Mr. George A. Ballam
Box 495
Tucson, Arizona

*Papago
Chief*

Tucson, Arizona
March 27, 1943

Department of Mineral Resources
State of Arizona
413 Home Builders Building
Phoenix, Arizona
Atten. Mr. Earl F. Hastings
Projects Engineer

Dear Mr. Hastings;

Your letter of March 24, 1943, duly received and contents noted.

With reference to your request for specific data as to the values and width's of ore anticipated, will say that Mr. Carrillo's letter, which was attached to my application, states that a five foot vein was encountered and twelve cars of high grade ore was shipped to the Douglas Smelter. This vein is now under water so cannot be examined or sampled at this time, however, the values of the dump ore, being the rejects from the shipping ore, should give some indication of the quality of the ore produced from this property.

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The open cut referred to on the map was originally the tunnel, but, has since been stoped out on the vein and is now open, as shown on photo enclosed with the application.

A copy of the sketch map, which accompanied the application, is enclosed, herewith, for your information and will ask that you kindly return same for my record, when you have obtained such information as requested in your letter.

From my previous experience, on this property, I feel sure that it can be developed into a big producer, and I shall be glad to furnish all information at my command.

Very Truly Yours

George J. Harford

P.O. Box #1892
Tucson, Arizona.

GH/JRH

March 24, 1943

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

Attached is a copy of a letter to Mr. George T. Harford relative to his mine loan application. When the docket was forwarded to us for review, the RFC had made a notation that they felt that the specific data was too incomplete to warrant a loan but was of sufficient interest that the applicant should be given an opportunity to elaborate on the various points mentioned.

If you would contact Mr. Harford and go over the points in the letter, it would be greatly appreciated. If Harford has not sent samples to Hayden, I would certainly advise that he do so as there are a number of cases where the proven fluxing goods of an ore has turned the trick in the obtaining of a loan.

*

C

March 24, 1943

Mr. George T. Harford
Box 1892
Tucson, Arizona

Dear Mr. Harford:

Your application for an RFC mine loan has been received by this Department for review and recommendation. We are adding to your docket the report of March 5, 1943 by George A. Ballam and a mine owner's report which was filed by Mr. Verduzco on January 31, 1941.

We do find certain points in your application are not quite clear and feel that these should be elaborated upon before we return the docket to the RFC. There is very little specific data as to values and widths of ore anticipated. Even the samples which you yourself have cut are not described in such a manner as they can be definitely located and the width of ore ascertained. This is particularly true of the samples of the open cut and tunnel. We would also like to know how you took the dump sample and whether or not it represents ore which has been sorted and will represent a smelter shipping grade.

We note that Mr. Ballam recommended that you submit samples to the Hayden smelter for analysis particularly as to the value of the ore as a fluxing material. In the event that you have followed his suggestion, would you please inform us as to the smelter's reaction?

In short, your property appears to warrant an RFC loan; however, the data is such that it would be questioned by the RFC engineers. Our recommendation, if not substantiated by definite facts, would be of no avail in obtaining a loan for you.

* May we hear from you at the earliest possible date so that your application will not be held pending any longer than is absolutely necessary.

Be assured of our interest and desire to help you in any manner possible.

Very truly yours,

Earl F. Hastings
Projects Engineer

EFH:kk
cc - George A. Ballam

7 March 1941

File
Mr. B. M. Snyder,
117 South Sycamore Avenue,
Los Angeles, California.

My dear Mr. Snyder:

Complying with request of Mr. Miles M. Carpenter, Field Engineer, I am enclosing herewith, a copy of mine owners report covering the Papago Chief Group in the Baboquivari Mining District, Pima County, Arizona.

Trusting that this report will give you the information desired, and assuring you of my desire to be of assistance to you, I am

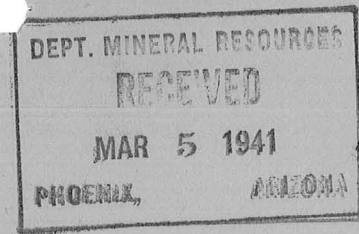
Yours very truly,

J. S. Coupal
Director

JSC-jrf
encl.

cc-Miles M. Carpenter

*



Tucson, Arizona

4 March, 1941

M E M O R A N D U M

TO: J. S. Coupal, Director

FROM: Field Engineer, Southern District

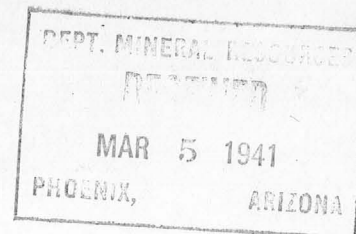
SUBJECT: Request on Papago Chief Mine

Copy of letter from B. M. Snyder, 117 S. Sycamore Ave., Los Angeles, California, is enclosed and also a copy of my reply to him.

Will you please forward Mr. Snyder a copy of the report that I filed with your office together with any other information you may have gathered.

Miles M. Carpenter

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March 4, 1941

Box 841,
Tucson, Arizona

Mr. B. M. Snyder
117 S. Sycamore Ave.
Los Angeles, Calif.

Dear Mr. Snyder:

With reference to your letter of February 27th regarding the Papago Chief Mine, I must say that I do not know of any place where the complete data on this mine may be found.

I distinctly recall that the shipments made by Gundersen during the World War reached a substantial tonnage and it was a much higher than average grade of shipping ore. We are not permitted to express our opinions as to the merits of any property, but I am going to tell you that from all the data I have available, hearsay and otherwise, I feel that the property justifies consideration.

Mining titles on the Papago Indian Reservation are good as long as the annual rental of 5¢ per acre is kept paid. There is a distinct advantage in operating on the reservation, in that, no person can make a legal location of any ground that is being held in compliance with the Federal Mining Laws, and the rulings of the Reservation. Personally, I would much prefer to operate on the Indian Reservation than on unappropriated public domain.

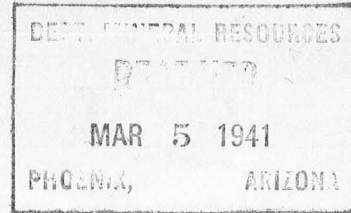
In case you come to Tucson for this examination or at any other time, I hope you will call so we may become acquainted. I remember your name from Middlemarch days.

Sincerely yours,

Miles M. Carpenter,
Field Engineer.

MHC:CP

B. M. SNYDER
CONSULTING ENGINEER
117 South Sycamore Avenue
Los Angeles, Calif.



February 27, 1941

Mr. Miles Carpenter
University of Arizona
Tucson, Ariz.

Dear Mr. Carpenter:

I am investigating a mine in your section, the "Papago Chief" about 60 miles southwest of Tucson, and probably you are quite familiar with it.

I have been unable to find any data on it in the library here, and I would very much appreciate it if you would write your opinion of the property, and all the information available to you in connection with it.

Also, may I ask if titles held such as this one, by location, are satisfactory when situated in an Indian Reservation, and what are the complications as a result of this location?

I would very much appreciate an answer at an early date.

Very truly,

(signed) B. M. Snyder.

*

5 February 1941

Mr. Charles D. Tanksley,
309 H. W. Hellman Building,
Los Angeles, California.

My dear Mr. Tanksley:

With further reference to your request for information on the PAPAGO CHIEF GROUP in the Baboquivari Mining District, Pima County, Arizona, I am enclosing herewith copy of mine owners report which Mr. Carpenter has obtained from Mr. Verduzco.

Trusting that this report will give you the desired information, I am

Yours very truly,

J. S. Coupal
Director

JSC-jrf
encl.

Tucson, Arizona

31 January, 1941

M E M O R A N D U M

TO: J. S. Coupal, Director

FROM: Field Engineer, Southern District

SUBJECT: Papago Chief Group

Enclosed is owner's report on Papago Chief mine together with information by field engineer.

I must report that more than 4 hours were consumed in gathering this data. There is no Papago Chief mine record owned by Filiberto Verduzco, but several other claims bearing that name are owned by other people. The original Papago Chief mine is now known as the Napoleon claim.

Verduzco was contacted at his home, where he is ill, and this information obtained.

Miles M. Carpenter

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25 January 1941

Mr. Charles D. Tanksley,
309 H. W. Hellman Building,
Los Angeles, California.

My dear Mr. Tanksley:

Replying to your letter of January 22, I beg to advise that we have no record of the PAPAGO CHIEF MINE in Pima County owned by Mr. Filberto Verduzco.

However, I am today forwarding your letter to our field engineer in Pima County, Mr. Miles M. Carpenter, with the request that he obtain any information possible on this property. As soon as I hear from Mr. Carpenter I shall again write you.

We have no bulletin covering mines in Pima County.

Yours very truly,

J. S. Coupal
J. S. Coupal
Director

JSC-jrf

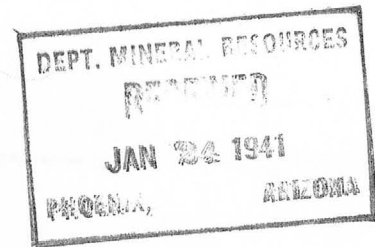
cc-Miles M. Carpenter

*

*Miles:-
Return letter
together with
information.*

*Repl mailed
1/31-41
mmc*

309 H. W. Hellman Building
Los Angeles, California
January 22, 1941



Bureau of Mines
Phoenix, Arizona

Gentlemen:

Would it be possible for you to furnish me with the latest Bulletin covering mines in Pima County -- particularly the "PAPAGO CHIEF"? The owner of this mine is Filberto Verduzco.

If you can comply with my request, I would greatly appreciate it if you would mail this Bulletin to me at the above address.

Thanking you for your courtesy, I remain

Sincerely yours,

CDT:B

CHAS. D. TANKSLEY