



## CONTACT INFORMATION

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

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Arizona Department of Mines and Mineral Resources Mining Collection

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11/29/85

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: PONTOTOC MINE

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 96

LOCATION: TOWNSHIP 13 S RANGE 14 E SECTION 3 QTR. NE  
LATITUDE:N 32DEG 19MIN 56SEC LONGITUDE:W 110DEG 53MIN 51SEC  
TOPO MAP NAME: MT LEMMON - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER-PRIMARY  
SILVER-BYPRODUCT  
GOLD-(M)LODE-BYPRODUCT

BIBLIOGRAPHY:

S.B. KEITH, AZBM BULL. 189, 1974, P. 113  
PRODUCTION POSSIBILITIES OF THE MARGINAL CU  
MINES, 1941, P. 83  
AZ. MNG. JRNL. JAN. 1918, P. 22, APR. 1918,  
P. 26, MAR. 1920, P. 23, JUNE 1918, P. 34,  
APRIL 1920, P. 43, DEC. 1, 1922, P. 31  
ADMMR PONTOTOC FILE  
MINERAL RESOURCES OF THE PUSCH RIDGE WILDER-  
NESS PIMA COUNTY, AZ. G.S. RYAN, GEOLOGY  
FILE, P. 6 & 13

PONTOTOC

PIMA COUNTY

Production Possibilities of the Marginal  
Copper Mines in Arizona, 1941, p. 83

Arizona Mining Journal Jan 1918 p. 22

April 1918 p. 26 March 1920 p. 23; June , 1918, p. 34

April 1920 p. 43 ; December 1, 1922, p. 31

See: Pusch Ridge Wilderness (Confidential File)

Mineral Resources Investigation of the Pusch Ridge Wilderness, Pima County  
George S. Ryan, Geology File page 6 and 13

MILS Sheet sequence number 0040190364 (p. 4008)

ABM Bul. 189, p. 113

MAP \_ Upstairs in the ABM rolled file boxes -shows Pemberton and Alamo groups

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

July 10, 1958

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

Pontotoc (Pima County)  
(Property)

copper

(ore)



the property which we would like to have

Owner's Report form with as complete detail  
reports, maps, assay returns, shipment returns  
sent us before and which might interest a  
property.

Texas Arizona Copper Company

Box 841

Tucson, Arizona



*Handwritten signature*

*Frank P. Knight*

FRANK P. KNIGHT,  
Director.

Enc: Mine Owner's Report

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

July 10, 1958

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

<u>Pontotoc (Pima County)</u>	<u>copper</u>
(Property)	(ore)

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

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

*Frank P. Knight*

FRANK P. KNIGHT,  
Director.

Enc: Mine Owner's Report

PONTOTOC MINE

PIMA COUNTY

MG WR 1/7/83: The Pontatoc Mine (different spelling, same mine)  
Pima County is in the NE $\frac{1}{4}$  Section 3, T13S R14E. There are two vertical shafts on private residential property. The southern or southeastern shaft is used as a source of water, having a pump installed at the collar. The other shaft is covered with planks of wood. Dump material exhibits copper staining.

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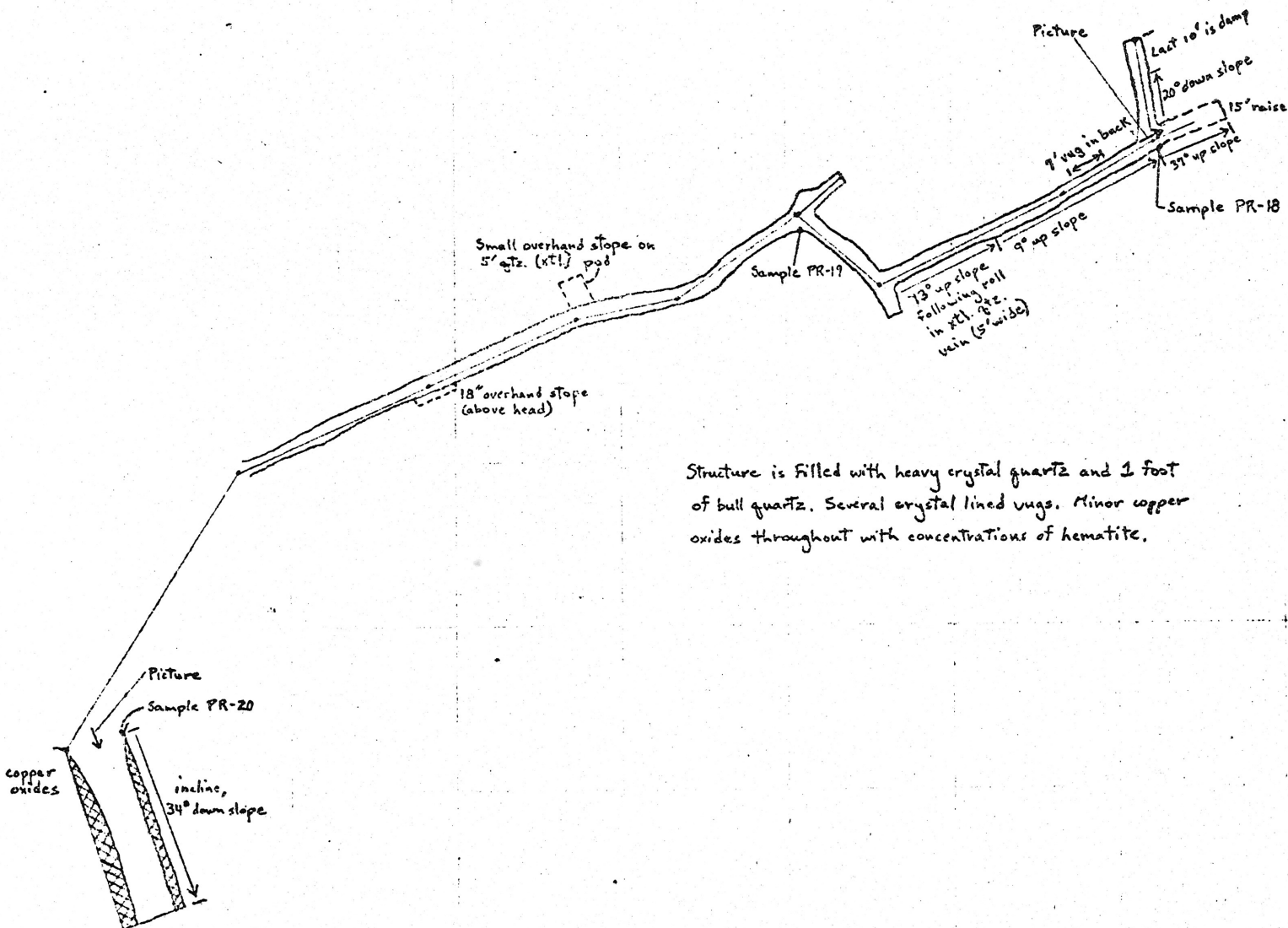
21

# In 1980 put in Pontotoc (Mine File)

PUSCH RIDGE WILDERNESS  
"PONTATOC" ADIT  
NW $\frac{1}{4}$ , SW $\frac{1}{4}$ , Sec. 35, T12S, R14E  
Pontotoc Ridge, Mt. Lemman Quad, AZ.

22 October, 1979

0 20 40 feet  
1 inch = 40 feet



Structure is filled with heavy crystal quartz and 1 foot of bull quartz. Several crystal lined vugs. Minor copper oxides throughout with concentrations of hematite.

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



Tucson, Arizona,  
March 15, 1960

Mr. Paul E. Winkler,  
Box 772, Safford, Ariz.

Dear Paul:

Regarding the address of Linc Wilson, the owner of the Pontotoc Mine.

**C** I am informed that Linc Wilson lives on the property, operating a ranch, and that his address is Rte # 5, Box 843, Tucson, Arizona.

Sincerely,

Axel L. Johnson, Field engineer,  
Box 5047, Tucson, Ariz.

**O**

**P**

**Y**



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



March 8, 1960

C  
O  
P  
Y

Mr. Paul E. Winkler  
Box 772  
Safford, Arizona

Dear Mr. Winkler:

Axel Johnson requested that we send you the enclosed information about the Pontotoc mine.

Sorry to say that we don't have the address of Linc Wilson either. Maybe Axel can dig it up for you.

Sincerely,

FRANK P. KNIGHT  
Director

FPK/H

Encl.

cc Axel Johnson

Taken from the Copper Handbook - 1912-1913

Pontotoc Mining Co.

Office and mine: Tucson, Pima Co., Ariz. E. F. Simms, pres.; T. H. Bass, sec.-treas.; Duran Daily, gen. mgr. Lands, 28 claims and 4 mill sites, adjoining the Big Vein Copper Co., in the foothills of the Santa Catalina mountains, 8 miles N.E. of Tucson. The mine has a 105' shaft, showing ore assaying up to 10.3% copper, with an average of about 5%. Idle several years, but was preparing to resume development work early 1913.

Taken from The Mines Handbook, 1931

Texas-Arizona Copper Co.

Address: 713 Marine Bank Bldg., Houston, Texas. Mine address: Miles M. Carpenter, mgr. 7 South 6th Ave., Tucson, Ariz.

Officers: T. H. Bass, pres.; J. H. Kirby, v. p.; J. M. Baird, sec.-treas., with J. C. Bass and M.M. Carpenter, directors.

History and capitalization: INC. 1917 in Arizona; virtually a successor to Pontotoc Copper Co. CAP. \$1,000,000; \$1 par.

Property: 30 claims (13 patented), 600 acres, including the Pemberton mine in Pima county, 10 miles NE of Tucson, said to contain a deposit of chalcopryrite overlying granite schist and capped by recrystallized limestones.

Development: by 2 old and 1 new shaft, 125' deep, with total workings of 1,000'. In 1918, management spent \$25,000 on diamond and churn drilling, which indicates 75,000 tons of ore reserves. Ore blocked out totals 2,000 tons of 2 to 5% grade. Equipped with hoist and compressor.

Production: 1,000 tons in 1907 and 3,518 tons in 1917. No shipments since. Idle except for annual assessment work.

Owner of Pontotoc Mine as of June 23, 1959 was Linc Wilson.

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Copy to C. N. S. 9

Name of mining property PONTOTAC

Location 12 mi N from Tucson Catalina Mts.

Ownership Texas Arizona Copper Co.

Name of Manager Mr. M. Carpenter

Post Office address Box 841 - Tucson

Copper production (pounds) during each of the past five years:

1936 None 1937 None 1938 None

1939 None 1940 None

1941 rate of copper production based upon first four months:

How much copper could this property produce annually

on a 14 cent price? None

on a 16 cent price? 100,000 lbs.

on an 18 cent price? 200,000 lbs.

on a 20 cent price? .....

Production 1907-  
1800 tons  
1917-3500 tons  
Av. Copper Content  
4.11%

What price copper is necessary for this property? 18 cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? .....

a 16 cent price could be assured? .....

18 cent price? Hoist, Air Compressor, Loading bins & estimated cost for equipment (not on hand) & installation 2,000

20 cent price? .....

For what length of time would assurance of price and sale of full production be necessary? One year

How long would it take, after financing has been provided for, before production on the above basis could be reached? *30 days - if equipment available*

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? *No*

If not, do you believe that your company would be amenable and agreeable to government financing? *Yes*

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement? *Yes*

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes, *This*

*concern has been in action for a long period, but it is quite probable that an arrangement could be worked out to let the managers proceed.*

What would be your ideas on financing and carrying out such a plan as is indicated by these questions? *The government should provide loans to cover opening, later*

*pay a royalty on production to retire debt and hold equipment until loan is repaid. If output not needed, write off the loan.*

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.

.....  
.....  
.....  
.....  
.....

Date..... Signed *M. McCarper*

PONOTOC MINE  
✓ (PONTOTOC)

PIMA COUNTY  
SANTA CATALINA MTNS.

Present owner- ✓ LINC WILSON

6-23-59  
ALJ WR

West of Push Ridge Area

Finger Rock

N. Santa Catalinas  
near Tucson

(Ponatack Mine)

Tom

520-881-1414

PIMA COUNTY AZMILS ALPHABETIC LISTING  
ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

MILS NO.	R NO.	MINE NAME	TOWN	RANGE	SEC	QTR	TOPOGRAPHIC MAP NAME	COMMODITY								
								1	2	3	4	5	6	7		
89	F 0	PICACHO MINE	16	S	4	E	7 C	COMOBABI - 15 MIN	AG	AU	CU	PB	ZN			
710	Z 0	PICACHO PEAK PLACER	16	S	4	E	7 SE	COMOBABI - 15 MIN	FE							
186	P 1	PICKWICK MINE	18	S	15	E	36 NE	SAHUARITA - 15 MIN	CU	AG						
882	Z 0	PICO DE ORO	20	S	7	E	14 --	PRESUMIDO PEAK - 15 MIN	AU	AG						
497	P 0	PILOT	18	S	15	E	24 NW	SAHUARITA - 15 MIN	CU	AG						
211		PIMA AND FRIES GROUPS	17	S	12	E	15 SW									
1057	Z 0	PIMA CHIEF	21	S	10	E	NP NP	ARIVACA - 7.5 MIN	PB	AG						
49		PIMA GROUP	21	S	9	E	9 NE									
863	Z 3	PIMA MILL	16	S	13	E	31 NE	TWIN BUTTES - 15 MIN	MIL	MIL						
863		PIMA MILL #1	16	S	13	E	31 NE									
863		PIMA MILL #2 (SOUTH)	16	S	13	E	31 NE									
883	F 1	PIMA MINE	16	S	12	E	36 S2	TWIN BUTTES - 15 MIN	CU	MO	AG					
92		PIMA MINES	16	S	5	E	9 N2									
883		PIMA OPEN PIT MINE	16	S	12	E	36 S2									
549	Z 0	PIMA ROCK & SAND CO. GRAVEL PI	14	S	13	E	26 SW	TUCSON - 7.5 MIN	SAG							
520		PIONEER CLAIM	17	S	12	E	11 NW									
871	P 0	PISINIMO NO. 1	14	S	2	E	29 --	PISINIMO - 15 MIN	SI							
439	Z 0	PISQUIERA	21	S	10	E	5 NE	ARIVACA - 15 MIN	AG	CU	AU					
455	Z 0	PIT NO. 5	15	S	14	E	31 NE	TUCSON SW - 7.5 MIN	SAG							
1058	Z 0	PITIQUITO	21	S	10	E	NP NP	ARIVACA - 7.5 MIN	PB	AG						
671	0	PLACER MTN GROUP	14	S	7	W	24 NE	KINO PEAK - 15 MIN	CU	AU	AG					
461	Z 1	PLANT 23	14	S	15	E	21 NW	TUCSON EAST - 7.5 MIN	SAG							
462	Z 1	PLANT 26	13	S	13	E	7 NW	JAYNES - 7.5 MIN	SAG							
460		PLANT SAND PIT (HUDDER)	13	S	13	E	9 SW									
1059	Z 0	PLATA RICA	14	S	2	E	NP NP	QUIJOTOA MTS - 15 MIN	AG	PB						
1060	Z 0	PLATORA	21	S	10	E	5 --	ARIVACA - 7.5 MIN	AG	CU						
236	P 0	PLUMED KNIGHT MINE GROUP	17	S	12	E	2 NW	TWIN BUTTES - 15 MIN	CU	AG	ZN	PB	AU			
403	F 0	PONCHO MINE	16	S	4	E	17 NE	COMOBABI - 15 MIN	AG	CU	PB	AU				
96	F 0	PONTOTOC MINE	13	S	14	E	3 NE	MOUNT LEMMON - 15 MIN	CU	AG	AU					
425	Z 0	PRESUMIDO PEAK NO. 1	19	S	7	E	35 SE	PRESUMIDO PEAK - 15 MIN	W							
133		PRINCE	18	S	17	E	18 NE									
100		PRINCESS GROUP	20	S	10	E	21 NE									
376	P 0	PRIZE MINE	16	S	3.5E	12 SE	COMOBABI - 15 MIN		AG	CU						
315	P 0	PROMONTORIO & BLACK EAGLE CLMS	20	S	9	E	3 C	PRESUMIDO PEAK - 15 MIN	MN							
237	A 5	PROSPERITY MINE GROUP	17	S	12	E	9 SE	TWIN BUTTES - 15 MIN	PB	AG	ZN	CU	AU			
209		PROVIDENCE	17	S	10	E	26 SW									
363	P 0	PROVIDENCIA CLAIM	17	S	10	E	27 SW	PALO ALTO RANCH - 15 MIN	CU	AG						
1061	Z 0	PUERTESITAS	20	S	10	E	36 C	ARIVACA - 15 MIN	CU	AG						
204		PURCELL	17	S	11	E	26 SE									
867		PURCELL CLAIMS	17	S	10	E	26 W2									
1062	Z 0	PURE GOLD	13	S	12	E	NP NP	AVRA - 7.5 MIN	AG	PB	AU					
1130	Z 0	Q MINE	14	S	2	E	NP NP	QUIJOTOA MTS - 15 MIN	AG							
485	Z 0	QUARTZITE QUARRY	11	S	2	E	36 SW	GU ACHI - 15 MIN	STN							
143	F 1	QUEBEC & LITTLE FLORENCE MINE	19	S	15	E	26 NE	SAHUARITA - 15 MIN	PB	STN	ZN	AU	CU	BA		
948		QUEEN	12	S	5	E	NP NP									
611		QUEEN ELIZABETH	22	S	10	E	10 C									
401	Z 0	QUEEN MARY	16	S	4	E	18 NW	COMOBABI - 15 MIN	CU							

PONTOTOC (file)

PIMA COUNTY  
SANTA CATALINA MTNS.

COPPER

PONTOTOC MINING CO.  
TUCSON, ARIZ.

Copper Handbook  
1912-1913

PIMA COUNTY

PONTOTOC MINE (file) Cu



14. Picacho mine (Cahuabi, Cababi; Bustamante, Ehrenberg, Jaeger & Halstead, Francisco Padres, Choate, Cababi Mng. Co., Picacho Mng. Co., Bartlett, Redhead)	16S 4E NE $\frac{1}{4}$ Protracted	Ag, Au, Cu-, Pb-, Zn-	Faulted, crystalline quartz veins with minor milky quartz, calcite, and siderite, with gouge along vein walls, in a major fault zone cutting Cretaceous (?) andesite flows and invaded by andesite and felsic dikes. Irregular base metal and iron oxides and sulfides. Spotty rich silver values, particularly in oxidized zone.	Shaft and pit operations. Worked prior to 1850's and sporadically to 1960's. Produced at least 1,000 tons of ore averaging about 250 oz. Ag/T, 0.3 oz. Au/T and minor Cu and Pb.	Copper Handbook, 1910-1911 Mines Handbook, 1922 MacKallor, 1957 Bryner, 1959 ABM file data
15. Sherwood mine (Reilly Lode, Green; Anderson, Sherwood Copper Co., Leonard, Duffy)	16S 5E NE $\frac{1}{4}$ 31 Protracted	Cu, Ag, Au-	Partly oxidized, quartz-calcite veins with spotty pyrite, chalcopyrite, bornite, and chalcocite along a fault zone cutting Laramide diorite to quartz monzonitic intrusive. High silver values in oxidized zone.	Shaft workings. Sporadic production 1917-1927 and 1952-1953 of a few tens of tons of ore averaging about 10% Cu, 37 oz. Ag/T and minor Au.	Bryner, 1959 ABM file data
16. Silver Dollar mine (Tungsten King; Kyriak & Bartlett)	15S 4E Cen. 34 Protracted	W	Irregular crystalline quartz and barite vein with scattered and spotty wulfenite and scheelite cutting Cretaceous (?) andesite flows.	Shallow workings. A small amount of hand picked tungsten ore produced 1939-1940.	Wilson, 1941, p. 40-41 MacKallor, 1957 ABM file data
17. Silver Giant mine (Rhoads & Holmes)	16S 5E NE $\frac{1}{4}$ 10 Protracted	Ag, Cu-	Oxidized, quartz vein with spotty copper and silver values cutting Laramide quartz monzonite intrusive along fracture zone.	Shallow workings. A few tons of ore averaging about 19 oz. Ag/T and minor copper produced in 1947.	ABM file data
18. Silver Queen mine (Silver Queen Consolidated Mng. Co., Bartlett, Luofboro & Nelson)	16S 4E NE $\frac{1}{4}$ 4 Protracted	Ag, Cu, Au-, Pb-	Irregular, partly oxidized, quartz vein with dolomite stringers and spotty pyrite, chalcopyrite, and galena. Ruby silver occurred in oxidized zone.	Shaft operations. Worked sporadically since early 1910's to 1950's, producing some 125 tons of ore averaging about 28 oz. Ag/T, 1.6% Cu, 0.1 oz. Au/T and minor Pb.	MacKallor, 1957 ABM file data
19. Sun-Gold mine (Sun Gold Mng. Co.)	16S 4E So. Cen. 15 Protracted	Au, Pb, Ag, Zn, Cu	Irregular, partly oxidized, quartz vein with dolomite stringers and spotty pyrite, galena, chalcopyrite, sphalerite and ruby silver along strong fracture zone cutting Cretaceous (?) andesite flows. Pockets of high grade gold values.	Shallow shaft operations. Worked sporadically 1949-1952, producing a small tonnage of ore averaging about 3.7 oz. Au/T, 11% Pb, 8 oz. Ag/T, 3% Zn and 1% Cu.	MacKallor, 1957 Bryner, 1959 ABM file data
VII. Canada del Oro District (West side of Santa Catalina Mountains)	11S 14E ---- Au		Minor amounts of placer gravel along Canada del Oro and tributary washes draining off a Precambrian granite which contains spotty gold-bearing quartz veins.	Minor placer operations from 1700's and probably not more than some 100 ounces produced in Pima County. Main placer area of district farther northeast in Pinal County.	U. S. G. S. Min. Res., 1912, pt. 1, p. 259-260 Wilson, E. D., 1961, p. 61-62 ABM file data
VIII. Catalina (Santa Catalina) District (South base of the Santa Catalina Mountains)	12S 14E ---- Cu, Ag, Au-, Mo-		Relatively weak, spotty, and local copper mineralization with minor molybdenite in a wide altered breccia zone along the Catalina foothill fault dividing Catalina Gneiss, a Laramide metamorphic, from Tertiary to Quaternary Pantano conglomerate beds.	Shaft, pit and tunnel operations. Only one productive mine, Pontotoc (T 12S, R 14E, NE $\frac{1}{4}$ Sec. 3), located in 1906 and worked in 1907 and 1916-1917 by Pontotoc Copper Co., Ramsdall, and Texas-Arizona Copper Co., producing a total of some 5,000 tons of hand picked ore averaging about 4% Cu, 0.5 oz. Ag/T and a trace of Au.	Moore et alia, 1941 DuBois, 1959 Fair & Jinks, 1961 Medhi, 1964 ABM file data
IX. Cerro Colorado District	20S 10E ---- Ag, Au, Cu-, Pb-, Zn- (Hg)		Epithermal quartz-fissure veins with minor base metal sulfides and mercury-bearing tetrahedrite. Silver and gold enrichment in the oxidized zone. Host rocks are a complex of Cretaceous quartz latite and andesite porphyry flows and tuff with some interbedded sedimentary beds, invaded by Laramide (?) andesite porphyry, rhyolite and dioritic plugs and dikes.	One of the oldest producing areas in Arizona with scattered small and relatively shallow mines and prospects active intermittently from at least the 1770's to about 1950. Total estimated and recorded production has been some 4,500 tons of ore containing about 376,000 oz. Ag, 460 oz. Au and minor Cu, Pb,	Davis, 1955 Jones, 1957 Chaffee, 1954 ABM file data
1. Black Princess mine (Udall)	20S 10E SE $\frac{1}{4}$ 14	Ag, Au, Pb, Cu-	Spotty angleite, cerussite, argentiferous galena and minor copper carbonates in an oxidized and supergene enriched quartz-fissure zone in Cretaceous andesite porphyry.	Shallow shaft and surface operations. Worked sporadically from early 1800's to 1939. Some 100 tons of ore produced, averaging about 20 oz. Ag/T, 0.2 oz. Au/T with minor lead and copper.	Jones, 1957 ABM file data

AZBM Bull 189 p. 113

PONOTOC MINE  
✓ (PONTOTOC)

PIMA COUNTY  
SANTA CATALINA MTNS.

Present owner- ✓ LINC WILSON

6-23-59  
ALJ WR

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



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Development: by 2 old and 1 new shaft, 125' deep, with total workings of 1,000'. In 1918, management spent \$25,000 on diamond and churn drilling, which indicates 75,000 tons of ore reserves. Ore blocked out totals 2,000 tons of 2 to 5% grade. Equipped with hoist and compressor.

Production: 1,000 tons in 1907 and 3,518 tons in 1917. No shipments since. Idle except for annual assessment work.

Owner of Pontotoc Mine as of June 23, 1959 was Linc Wilson.

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Copy to C. 12.57

Arizona Department of Mineral Resources, Capitol Building, Phoenix, Arizona

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property... *PONTATOC*

Location... *1.2 mi N from Tucson Catalina M.D.*

Ownership... *Texas Arizona Copper Co.*

Name of Manager... *M. M. Carpenter*

Post Office address... *Box 841 - Tucson*

Copper production (pounds) during each of the past five years:

1936... *none* ..... 1937... *none* ..... 1938... *none*

1939... *none* ..... 1940... *none*

*Production 1907-1800 Tons*  
*1917-3500 Tons*  
*Av. Copper Content 4.11%*

1941 rate of copper production based upon first four months... *1800 Tons*

How much copper could this property produce annually

on a 14 cent price? ... *none*

on a 16 cent price? ... *100,000 lbs.*

on an 18 cent price? ... *200,000 lbs.*

on a 20 cent price? .....

What price copper is necessary for this property? ... *18* ..... cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? .....

a 16 cent price could be assured? .....

18 cent price? ... *Truck, Air Compressor, Loading Bin*

*Estimated cost for equipment (not on hand) & installed in 2000*

20 cent price? .....

For what length of time would assurance of price and sale of full production be necessary? ... *One year* .....

(over)

How long would it take, after financing has been provided for, before production on the above basis could be reached? *30 days - if equipment available*

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? *no*

If not, do you believe that your company would be amenable and agreeable to government financing? *Yes*

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement? *Yes*

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes.

*Concern has been inactive for a long period, but it is quite probable that an arrangement could be worked out to let the Smaragys proceed.*

What would be your ideas on financing and carrying out such a plan as is indicated by these questions?

*The government should provide loans to cover operating, that is a royalty on production, to retire same and hold equipment until loan is repaid. If output not needed, write off the loan.*

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.

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Signed *M. M. Carpenter*