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

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PRINTED: 12/17/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: CARLOTA PROPERTY

ALTERNATE NAMES:
BREWERY CLAIMS
EDER NORTH AND SOUTH

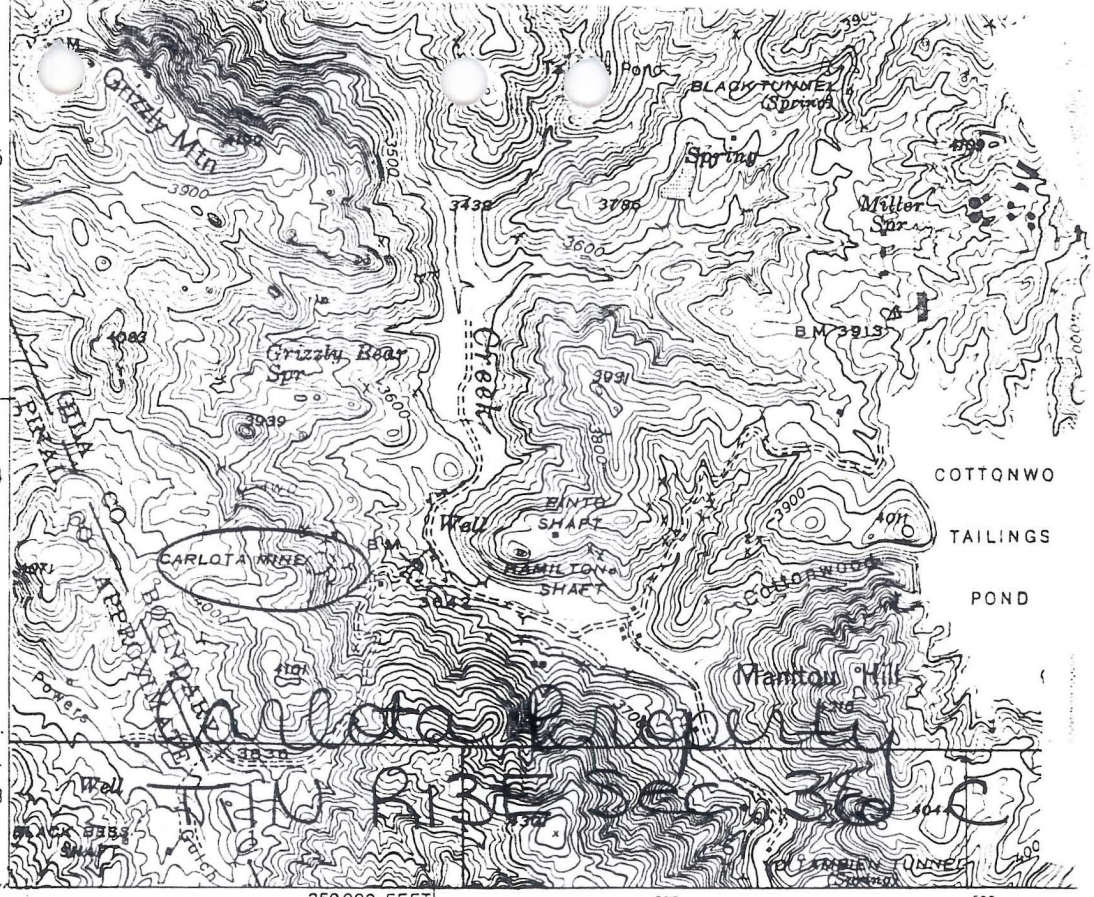
GILA COUNTY MILS NUMBER: 126A

LOCATION: TOWNSHIP 1 N RANGE 13 E SECTION 36 QUARTER C
LATITUDE: N 33DEG 23MIN 07SEC LONGITUDE: W 110DEG 59MIN 25SEC
TOPO MAP NAME: INSPIRATION - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER OXIDE

BIBLIOGRAPHY:
ADMMR CARLOTA MINE FILE
PETERSON N P GEOL & ORE DEP GLOBE-MIAMI DIST
USGS PP 342 1962 P 139-140
PRODUCTION POSSIBILITIES OF MARGINAL COPPER
MINES 1941, ADMMR, P. 57-59
ENGINEERING AND MINING JOURNAL OCT 1974
P 143-144, SEPT 1974 P 257
MINING WORLD, DEC. 1962, P. 36
METAL MINING & PROCESSING, APRIL 1964, P. 26
ADMMR CARLOTTA MINE COLVO FILE
CARLOTA COPPER PROJECT DRAFT EIS, 8/1995 420P
CARLOTA COPPER PROJECT FINAL EIS VOL. I, II,
AND III, AND RECORD OF DECISION, 6/1997
AGS SPRING FIELDTRIP, P. 41, CARLOTA PROJECT



(Superior) 3750 I SE

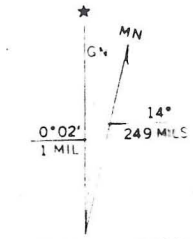
Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by planetable surveys 1945

Projection and 10,000-foot grid ticks: Arizona coordinate system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid, zone
1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 2 meters south and 62 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map



UTM GRID AND 1982 MAGNETIC DECLINATION AT CENTER OF

Inspiration 7.5'

" CARLOTA MINE

" J. L. Alexander
222 E. Roosevelt
Phoenix, Ariz.
5/16 - 1st

' Geo. T. Scholey
c/o Nielson & Co., Inc.
802 Hoge Bldg.
Seattle, Wash.
2nd - 5/28
complete

NAME OF MINE: CARLOTA (SCHULZE) near Miami

COUNTY: GILA
DISTRICT:
METALS: CU

OPERATOR AND ADDRESS: DATE:		MINE STATUS DATE:	
5/1/44	J. D. McClintock, Box 1745, Miami, Arizona	5/1/44	Shipping
		5/46	Idle
6/46	John L.Alexander, Box 1745, Miami	6/46	Shipping

12-12-57

CARLOTTA MINE

GILA COUNTY
GLOBE-MIAMI DISTRICT

OWNER - JOHN L. ALEXANDER, Pres.
CARLOTTA COPPER COMPANY
530 W. Latham
Phoenix, Arizona

LESSEE: SOUTHWESTERN STONE COMPANY
HENRY P. McNEILL & HAL STRIBLING
Box 997
Miami, Arizona

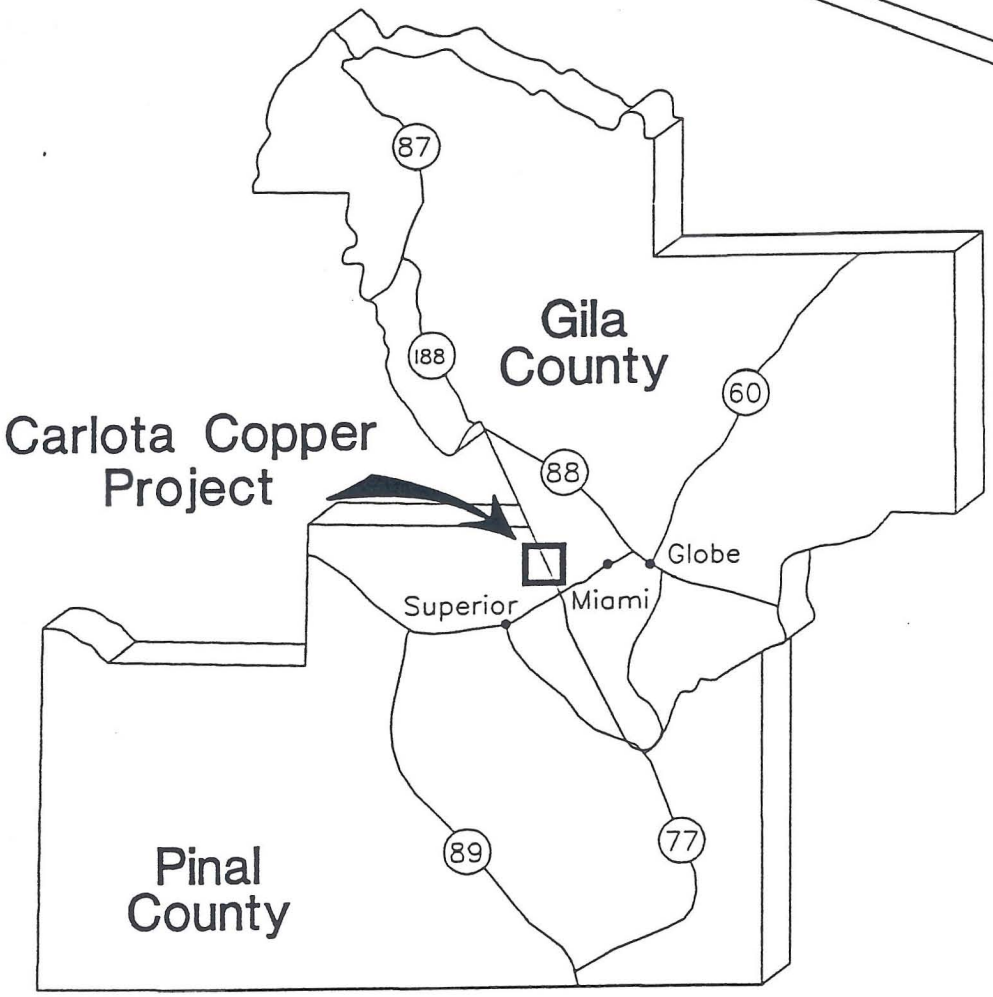
Shipping some ore.

20' wide vein, low alumina similar to Cactus Mine, 60° dip.

N. W. fault offsets older Pinto Fault.

LAS

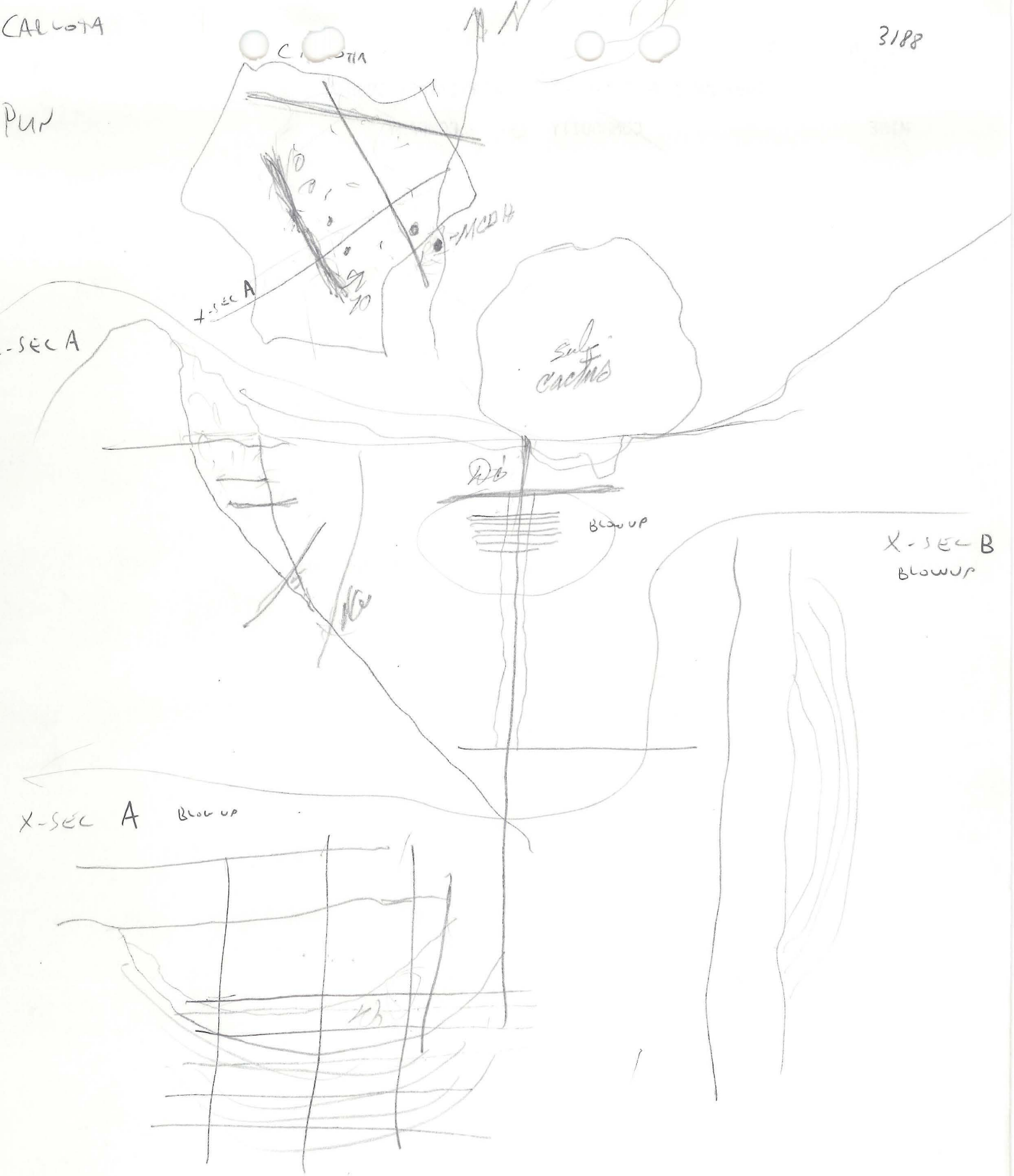
Carlota Copper Project
General Location



CALLOTA

3/88

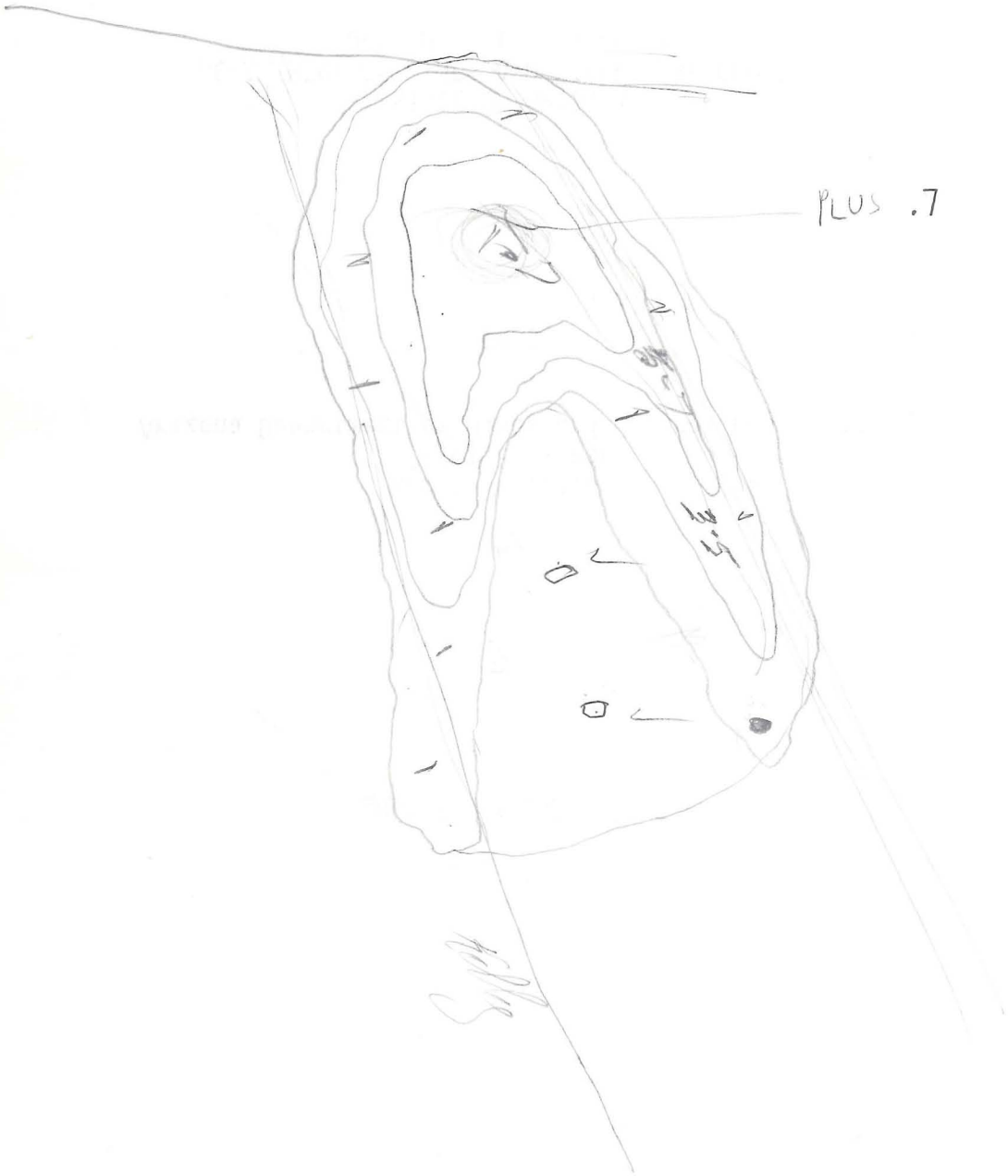
PLAN



3/88 RICHARD MIERITZ

CALLO[illegible]T 3/88

PLAN



3/88 RICHARD MIERTZ

08/28/92

ARIZONA COPPER RESERVES

COMPILED BY

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

PROPERTY:

CARLOTA

OPERATOR\OWNER:

Cambior Inc.
8101 East Prentice Avenue #800
Englewood, CO 80111
303-773-0733

LOCATION INFORMATION:

TOWNSHIP 1 N RANGE 13 E SECTION 36
COUNTY - Gila AZMILS - 126A
DESCRIPTION - 7 miles west of Miami (Next to Pinto Valley)

ORE TYPE AND RESERVE INFORMATION:

Acid Soluble - 92 MILLION TONS AT 0.44% Cu

SOURCES:

Reported by Cambior August 1992.

COMMENTS:

Includes Cactus and Eder North and South deposits.

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY

1. Mine file: CARLOTTA
2. Mine name if different from above:
3. County: Gila
4. Information from: Dick Mieritz

   Company:

   Address: 2940 N. Casa Tomas

   Phoenix, AZ 85016

   Phone: 277-6053
5. Summary of information received, comments, etc.:

The Carlotta has been leased to Westmont Mining for 6 months with extension options. During this time they can review all data available and drill to obtain a metallurgical sample.

Date: February 7, 1989

Nyal J. Niemuth, Mining Engineer

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine: Carlota Mine Date: 10-9-62

District: Miami District - Gila County Engineer: Lewis A. Smith

Subject: Interviews with Gerald Weathers and Richard Mieritz

Milca Mining Co., Craig and Derrick Streets, Uniontown, Pa. has optioned the Carlota Mine, which is owned by John L. Alexander, 530 W. Latham, Phoenix. Gerald Weathers has an interest in the deal. Vernon O. Gardner, 1401 W. Talmaire Ave., Phoenix is the local supervisor. No work has been done to date. The Milca Mining Co., earlier this year, drilled a 1000' exploratory diamond drill hole at the Belmont-McNeil Mine, with poor results. Carl Ramsing was consultant on that job. Weathers and Meiritz suggested that the Carlota ore area be drilled before any other move was made.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine	CARLOTTA MINE	Date	July 12, 1961
District	MIAMI DISTRICT, GILA COUNTY	Engineer	Lewis A. Smith

Subject: Interview with Dick Mieritz, July 9, 1961.

Location: S36, T1N, R13E.

Property: 5 Claims.

The mine lies in diabase, along the strong Kelly fault. The diabase intrudes Pinal schist, Devonean Limestone and all rocks are capped to the south by dacite flows. The Kelly fault extends eastward into the Cactus Orebody owned by Miami Copper. The Carlotta lies southwest of Castle Dome, also owned by Miami. In fact the Carlotta is surrounded by Miami ground. The Kelly fault strikes N 70°W and dips 65° North and this fault is believed to have exerted much influence upon the localization of the Cactus and Carlotta orebodies. Considerable drilling was done on the Cactus orebody by Miami.

The Carlotta ore as now exposed, is oxidized, copper in the form of thin films of chrysocolla, melaconite, and malachite in the shattered diabase. It is reported to average 1.5 and 2.0 percent copper. The production has amounted to about 19,000 tons, assaying from 3 to 10 percent copper. The reserves are considered to be appreciable at a grade of 2 percent copper. Mieritz believes it should be drilled.

He states that leaching tests showed very good results and proposes a 250 ton plant.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Carlotta Mine Date Dec. 1959

District Miami, Gila County Engineer Lewis A. Smith

Gerald Weathers JJJ per mr 12-23-75

Subject: Reported by Joe ~~Withers~~ & Richard Mieritz

Lessees: ~~Joe Withers et al~~ (4 partners) 3928 E. Meadowbrook St., Phoenix

Work: The partners are heap-leaching the Carlotta Dump with a sulphuric acid solution and are precipitating cement copper by means of tin cans. The three precipitation vats are 10 feet long, 3 feet wide, and 4 feet deep. The period of contact is about 2½ to 3 hours with hand agitation. The precipitate runs 85 to 87% copper, which is good. However, they feel that their solution efficiency in the dumps is too low, a fact that was found to be true in Bisbee and other places at first. When the dump is sectionalized and alternate sections leached for a period the copper content of the resultant solution is good. Then when the copper content decreases, it is best to allow the area to dry for a period. During this period the copper sulphate will efforesce to the surface and the rock decrepitates to expose new surface. Then when contacted by fresh solution the copper content will again rise. This alternating leaching will also help in the prevention of channeling of the solutions. At Carlotta the dump is 300 feet long and about 34-35 feet deep, so that the dump could be divided into 5 or 6 sections and sections 1 and 4 leached for a while. Then sections 2 and 5 could be leached etc. The decrepitation of the rock will help in preventing channeling, the main cause of trouble in heap leaches. The dump runs 2-3% copper, which is relatively high. They are adding 30 lbs. of sulphuric acid per ton of material, and the estimated pH of the resultant solution is about 1. Clarence Carter, of Miami Copper Co. is helping in the metallurgy. It was also suggested that when possible, they install leaching vats with agitation and that the dump material, and ore ~~not~~ mined, be crushed to ½ to 3/4 inch mesh. This will give maximum contact. It was found that in Morenci, Bisbee and elsewhere, vat leaching is far more efficient in the long run. Stirring up of the dump with a cat might help to expose new surfaces and in the illumination of channels. At Bisbee exposed holes were periodically shot to mix the dumps.

The principal rock at Carlotta is diabase and the main copper mineral is chrysocolla with a little malachite not being sufficient in concentration to materially effect the acid consumption. The ore in place has been estimated at about 200,000 tons of oxidized ore ranging between 0.5% to over 2% copper.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine CARLOTTA MINE Date March 21, 1957

District GLOBE-MIAMI MINING DIST., GILA COUNTY Engineer B. J. Squire

Subject: Report on the Carlotta Mine Activity

Location - The Carlotta is about four miles west of the Castle Dome mine on the west side of Pinto Creek. Go two miles north of highway on the Castle Dome road, turn left and follow road around foot of Castle Dome tailings pond across Pinto Creek and about ½ mile beyond creek to mine.

Description - Johnny Dubor of 526 South 3rd Street, Globe, Arizona is mining in an open pit, shipping-grade stringers of malachite and some chrysacolla and a little tenorite in granite intruded by diabase dikes. The best ore lies next to the diabase, all of it is high alumina and the smelters will accept only limited tonnages, and would accept none while the price of copper was high. Currently he is shipping two to six cars a month depending on allowance from the smelter. He has been operating about six months this time.

The area, he is open pit mining in, lies on top of mined out stopes.

He has built a small leaching plant consisting of two concrete, tar lined tanks 20 x 40 feet by six feet deep and a small concrete tank for precipitating copper. He uses a small portable centrifugal pump to transfer solutions. He uses fairly strong sulfuric acid for leaching, leaves rock in tank 24 hours then washes and unloads with crawler tractor front end loader. His current copper runs high iron but he says he gets pretty good extraction on dump material. He only operates plant when he is unable to ship ore direct. He has no idea of exact costs of operation but has several thousand dollars tied up in the leach plant.

STATUS OF DORMANT MINES

MINE NAME: Carlota

LOCATION: Pinto Creek - Gila County(Sputh of Castle Dome Copper)

OWNER AND/OR LEASEE: John L. Alexander

ADDRESS: Box 1745 Miami, Arizona.

APPROXIMATE PRODUCTION (Year of 1945):
50,000 tons ore during World War 11 .

COPPER xx Lbs. LEAD _____ Lbs.

ZINC _____ Lbs. (OTHER) _____

CHECK THE CHIEF CAUSE OF YOUR DISCONTINUED PRODUCTION:

(A) Easily available ore worked out.
X (B) Increased costs, but have quantity similar to past grade of ore.
X (C) Too close a margin to develop more ore.
(D) _____

If you have ore ready to mine please give your estimate of the amount of metal (name each metal) that you could produce in one year (after allowing 60 days to get started) if there were premiums above present market prices. Name amount with a low premium, and amount at a high premium; such as:

Copper at 22½¢ plus 5¢ premium..... 1,000,000 Lbs.
Copper at 22½¢ plus 10¢ premium..... 1,500,000 Lbs.

Copper at 22½¢ plus 10¢ premium 1,200,000 lbs.

None at low premium

If you do not have ore ready to mine please discuss the following:

(A) Do you think a reasonable development program would produce a justified tonnage of commercial ore at above mine?
We have a limited tonnage ready to mine but development work is badly needed to produce a grade of ore similar to past shipments.

(B) With a premium price (guaranteed for one year) could you carry out such a development program yourself? What premium?

If we had a further premium of 10¢ per pound for development work we could carry out all development work needed ourselves. This would be a total premium of 20¢.

(C) If you could not do this yourself, would a quick drilling program by some government agency (at government expense) be sufficient?

_____

_____

(D) Or would you prefer a loan plan similar to the arrangements during World War II?

_____

_____

How about a combination plan in two stages such as follows?

Stage 1: Government engineers review project and, if a little drilling appears to be justified and a preliminary key to the situation, such drilling program to be agreed upon by owner and government engineer, paid for by the government, but let by contract.

Stage 2: If results of drilling (or without drilling) justify underground development and/or production equipment, same to be obtainable via a mortgage loan on property.

Please discuss the above: _____

I think the above plan would be very satisfactory provided engineers with some practical mining experiende were sent out to make such examinations. Too many small mines were turned down during the last war, in my opinion, because the ore occurances did not conform exactly to text books. Others were approved where there was no chance for the owners to ever operate on a commercial basis, due to locations, personel, contents of the ore, or other reasons.

SUGGESTIONS:

_____

_____

_____

_____

DATE 8/1/50 SIGNATURE [illegible]

DEPARTMENT OF MINERAL RESOURCES
State of Arizona
MINE OWNER'S REPORT

DEPT. MINERAL RESOURCES
RECEIVED
JUN 21 1946
PHOENIX

Date 6 / 20 / 46

1. Mine: Carlotta Copper
2. Location: Sec. ..... Twp. ..... Range ..... Nearest Town Miami
   Distance 8 miles Direction ..... Road Condition 2 miles graded - 6 miles paved
3. Mining District & County: Globe-Miami , Gila County
4. Former Name of Mine: Carlota
5. Owner: Carlota Copper Co
   Address: 530 W Latham , Phoenix, Arizona.
6. Operator: Same
   Address: Same
7. Principal Minerals: Copper
8. Number of Claims: five Lode X Placer .....
   Patented ..... Unpatented X
9. Type of Surrounding Terrain: Rough and hilly country
10. Geology & Mineralization: Copper is all in oxidized form occurs in large irregular bodies
11. Dimension & Value or Ore Body:
    The ore bodies are from 30" to 50' in width . All ore produced to date has been of shipping grade.

12. Ore "Blocked Out" or "In Sight":

No large tonnage of BLOCKED accessible ore.

Ore Probable: Ore bodies extend down below tunnel levels and were cut in crosscut driven from shaft 300' below present workings. At this point reported to be 60' in width.

13. Mine Workings—Amount and Condition: Several thousand feet of workings.

	No.	Feet	Condition
Shafts			
Raises			
Tunnels			
Crosscuts			
Stopes			

14. Water Supply: Ample from wells and some from mine

15. Brief History:

The mine has prodcued approximately 1100 RR cars of shipping ore to date and still producing from the tunnel levels . Ore improves in grade with depth as far as has been developed to date. Surface averaging about 1.8% and lower tunnel level from 8 to 10% where opened up.

16. Signature: Jos Alexander

17. If Property for Sale, List Approximate Price and Terms:

Subject to negotation

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

MINERAL RESOURCES
RECEIVED
MAY 1 1945
PHOENIX, ARIZ.

Date: April 28th, 1945

Name of Mine: Carlota

Owner or Operator: Carlota Copper Co. a partnership

Address: Box 1745 Miami, Arizona.

Mine Location: 12 miles southwest of Miami, Arizona, Gila County.

Filing Information

File System:

File No.:

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

PRESENT OPERATIONS: (check X)

Production X; Development X; Financing; Sale of mine;

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

Other (specify)

PRODUCTION: Past and Future.

	Tons
Approx. tons last 3 months	5,000
Approx. present rate per 3 months	~~5,100~~
Anticipated rate next 3 months	3,500
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			
Light or Service Trucks			
Ore Hauling Trucks			
Compressors 4 IR	40 each	Each 150 Hours	1,500
Small motor Framing saw Etc	22	100 "	200
Other Mine or Mill Eqpt. Pum.s, Miss. and Hoist		100	300

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals. Copper.

Total reccomended for each month 2,000 Gallons

REMARKS:

The Carlota is a steady shipper an important contributor of copper and employs 20 men continuously

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By A. MacFarlane

ARIZONA DEPARTMENT OF MINERAL RESOURCES
Capitol Building, Phoenix, Arizona

Name of property. Carlota Mine

Location and accessibility of property.

Located in Pinto Valley, Globe Miami Mining District, About ten miles SW of Miami Arizona. Accessable to smelter by good road- at present time trucks haul seven tons per trip.

History of ownership. Owned by John Alexander of Phoenix Arizona, under lease with option to Purchase to George Scholey, Terms one thousand dollars at signing of lease, plus fifty percent of net smelter returns (amended to twenty five percent) untill a sum of seven thousand five hundred dollars is paid up thence a rayalty of 12.5% untill the balance amounting to $30,000.00 is paid up

500.00

Production history. Prior to 1940 5,000 tons of 5.0% Cu ore

Produced 440,000# Cu in 1929

Under present lease

March	1941	176 tons	4.1%	Cu
April	"	713 "	5.0	
May	"	826 "	5.2	

With proper equipment and smelter contracts this production could be increased to one hundred tons per day of five percent ore which would yield around 150 tons of pure copper per month

General geology (brief)

Parrallel fissures in andesite, present workings in oxidized zone, ore bodies irregular in width ranging from a few feet to as high as thirty and forty feet, copper minerals mostly oxides and silicates. Depth of oxidized zone unknown.

Ore occurrence.

Ore occurs as a vein in granite
mined by approx cut and fill

Continuous zones ranging from a few feet to as high as thirty and forty feet in width. Ore is oxidized and possibility of finding a secondary enriched zone is very good. Values seem to increase with depth Gangue rock is high in alumina averaging around 16% and therefore the smelters do not like to take too large a quantity. No gold ,silver or other values in ore

Ore reserve (quantities and values).

20,000.	Tons	positive	5%
10,000	"	"	4%
40,000	"	Probable	3-4%

Accessory metals of value.

none

Development work done.

Approximately three thousand feet of drifts raises and cross cuts on three different levels and covering a vertical extent of approximately two hundred feet

Plants (with capacity) already on property.

No plants on property, ore being shipped direct to smelter at Inspiration. Present contract calls for delivery of not more than fifty tons of ore per day. High alumina content does not make ore desirable for direct smelting and high copper silicate content does not allow for high recoveries in concentration. Tests for concentration being run at present by University of Arizona

Date June 1st 1944 Signed George T. Scholey

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: Carlota Mine

Location: Pinto Valley about ten miles SW of Miami Arizona

Ownership: John Alexander property under lease with option to purchase by George Cholley, 802 Hoge Bldg. Seattle, Wash.

Name of Manager: Russel Haworth in charge of operations, Nielson and Co. Inc 802 Hoge Bldg. Seattle Managers

Post Office address: Mine Address Miami Arizona

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

1936..... 1937..... 1938.....

1939..... 1940.....

1941 rate of copper production based upon first four months.....

How much copper could this property produce annually

on a 14 cent price? ~~1400 215~~ 3,600,000

on a 16 cent price? "

on an 18 cent price? "

on a 20 cent price? "

What price copper is necessary for this property? 14 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? 100 ton concentrating plant cost of erection and mine plant expansion $60,000.00

a 16 cent price could be assured? no increase over 14

18 cent price? "

20 cent price? "

For what length of time would assurance of price and sale of full production be necessary? Two years.

(over)

How long would it take, after financing has been provided for, before production on the above basis could be reached? ....four months....

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? ....not immediately....

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes. property at the present time is producing around one thousand tons of five percent ore per month which is shipped direct to the Smelter at Inspiration. It is impossible to ship ore of a lower grade than five percent however there is a large amount of ore available which will average between three and one half and five percent copper. If a plant were available then this could be mined, concentrated and shipped to the smelters for treatment and a small profit made on the operation. probably eighty thousand tons of 3-5% ore in reserve

What would be your ideas on financing and carrying out such a plan as is indicated by these questions? At the present time the property is just making expenses by shipping direct to the smelter and paying the royalty. If a plant could be installed this would give the property a chance to make some money and increase production. Government help would be welcomed

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

Date May 27, 1941 Signed George T. Scholey

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

MINE OWNER'S REPORT

Date

1. Mine Carlotta Copper
2. Location Miami Ariz. - Turn off on Pinto Valley Road To old Cactus Mine - Carlotta is ½ mile East.
3. Mining District & County Globe-Miami Dist. Gila County
4. Former name Brewery
5. Owner Jno. L. Alexander
6. Address (Owner) 541 N. Monte Vista Phoenix, Ariz.
7. Operator
8. Address (Operator)
9. President, Owning Co.
9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals Copper.
11. Mine Supt.
15. Production Rate 100 Tons daily easily possible
12. Mill Supt.
16. Mill: Type & Cap. No Mill
13. Men Employed None
17. Power: Amt. & Type 2 miles from power line
18. Operations: Present

Leasors shipping few cars monthly

19. Operations: Planned

Leaching plant.

20. Number Claims, Title, etc.

2 Claims owned outright
√ √ √ with associates

21. Description: Topography & Geography

Low rolling hills, located along Pinto Creek Some 7 miles from Miami, Ariz.

22. Mine Workings: Amt. & Condition

3 main tunnel levels, all open for examination, connected by raises - 1-40' shaft, inaccessible - Maps showing all workings available.

(over)

. Geology & Mineralization Ore occurs as Malachite & ~~Ch~~ Crysocolla along Contact of lime & Diorite - No Sulphides present to at least 300' below present lower levels.

. Ore: Positive & Probable, Ore Dumps, Tailings
50,000 Tons positive - 5%
50,000 " indicated (2 sides) - 5%
2,000,000 " probable - 3%

A. Dimensions and Value of Ore body
Widths from 10 - 40' - Chutes about 200' long opened by Tunnels to depth of approximate 250' Shaft from additional 400' by Cut Collar inner Crond.

. Mine, Mill Equipment & Flow-Sheet
Ore is ideal for leaching - Tests now being conducted by Denver Equip. Co. show that at 8 mesh, recovery of 87% can be made with 1 hr. leach.

. Road Conditions, Route
½ of Road from Mine paved - balance maintained by county and in good shape at all times.

. Water Supply
Pinto Valley Co. drilled wells partly on our claims - They claim sufficient water for at least 1000 tons daily. Well-located 1000' from mine, lift of about 250'.

. Brief History
Property located about 1900 - Developed 1927-1929 closed in 1930 & only work since has been maintance.

. ~~Special Problems, Reports~~ Filed
Analysis
Cu. 5%; Fe. 6.3%; CaO. 2.3%; Al_2O_3 11½-14%; SiO_2 44%; S. 0%.

. Remarks

. If property for sale: Price, terms and address to negotiate.
Property for Sale - Price $75,000.00
Terms on application.

32. Signature.....

. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Date 7/12/40

1. Mine Carlota
2. Mining District & County Miami Dist. Gila Co.
3. Former name
4. Location 10 miles from Miami.
5. Owner Jno. L. Alexander L. P. Alexander
6. Address (Owner) 530 W. Latham Phoenix
7. Operator
8. Address (Operator)
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Copper
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type
18. Operations: Present None
19. Operations Planned Not known

CARLOTTA COPPER

Cu

Gila 4 - 4 T 1 S, R 14 E

Jno. L. Alexander, 541 W. Monte Vista, Phoenix '44

20. Number Claims, Title, etc. One Claim, Brewery and a fraction, the Clipper
21. Description: Topography & Geography
22. Mine Workings: Amt. & Condition 188 ft. shaft, three levels, 2 winzes, 350 ft. shaft caved

(over)

23. Geology & Mineralizatic Contact deposit between limes e a diorite. Only oxidized copper minerals found thus far.

24. Ore: Positive & Probable, Ore Dumps, Tailings 150 ft. long and 50 ft. wide (maximum) at junction of 2 ore bodies.
(2) hanging wall ore body 175 ft. long and 2 to 20 ft. wide.
44,770 tons proven ore @ 5% Cu.
60,050 tons indicated ore @ 5% Cu.

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

25. Mine, Mill Equipment & Flow Sheet No equipment

26. Road Conditions, Route Five miles from Miami-Superior highway on road branching off about 5 miles from Miami. Good road, passable at all times.

Cost $1.00 haul to Miami and $1.50 haul to Superior in Company trucks.

27. Water Supply The 300 ft. tunnel level makes sufficient domestic water; probably develop sufficient forma 50 ton leaching plant.

28. Brief History

29. Special Problems, Reports Filed Report by John L. Alexander, maps and assays.

30. Remarks 5 cars shipped from Hanging wall ore body, 5.75% Cu.

31. If property for sale: Price, terms and address to negotiate. For sale $75,000
Terms
See owner.

32. Signed Compiled from report by John L. Alexander

33. Use additional sheets if necessary. Dated 2/10/37 Supplemented MC-39

GC-39

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
OWNERS MINE REPORT

Old Report see new

Date

1. Mine Carlotta Copper
2. Mining District & County Globe-Miami Dist. Gila Co.
3. Former name Brewery
4. Location Miami Ariz. Turn off on Pinto Valley Road to old Cactus Mine, Carlotta is 1/2 mile east.
5. Owner Jno. L. Alexander
6. Address (Owner) 541 W. Monte Vista Phoenix, Ariz.
7. Operator
8. Address (Operator)
9. President
10. Gen. Mgr. 222 Rosser
11. Mine Supt.
12. Mill Supt.
13. Principal Metals Copper
14. Men Employed None
15. Production Rate 100 tons daily easily possible
16. Mill: Type & Cap. No mill
17. Power: Amt. & Type 2 miles from power line
18. Operations: Present Leasers shipping few cars monthly

530 W Fortune

19. Operations Planned Leaching plant.
20. Number Claims, Title, etc. 2 claims owned outright
5 claims owned with associates
21. Description: Topography & Geography Low rolling hills, located along Pinto Creek Some 7 miles from Miami, Ariz.
22. Mine Workings: Amt. & Condition 3 main tunnel levels, all open for examination. connected by raises - 1 - 400 ft. shaft unaccessible. Maps showing all workings available.

(over)

23. Geology & Mineralization

Ore occurs as malachite chrysocolla along contact of lime and diorite. No sulphides present to at least 300 ft. below present lower levels.

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

50,000 tons positive - 5%
50,000 tons indicated (2 sides) - 5%
2,000,000 tons probable - 3%

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

Widths from 10 to 40 ft. - chutes about 200 ft. long opened by tunnels to depth of approximate 250 ft. Shaft down additional 400 ft. but collar now caved.

25. Mine, Mill Equipment & Flow Sheet

Ore is ideal for leaching - tests now being conducted by Denver Equip. Co. show that at 8 mesh, recovery of 87 % can be made with 1 hr. leach.

26. Road Conditions, Route

1/2 of road from mine paved - balance maintained by County and in good shape at all times.

27. Water Supply

Pinto Valley Co. drilled wells partly on our claims - They claim sufficient water for at least 1000 tons daily. Well located 1000 Ft. from mine - lift of about 250 ft.

28. Brief History

Property located about 1900 - Developed 1927 - 1929. Closed in 1930 and only work since has been maintenance.

29. ~~Special Problems, Reports Filed~~

ANALYSIS
Cu, 5%; Fe. 6.3%; CaO. 2.3%; Al_2O_3 $11\frac{1}{2}$ - 14%;
SiO_2 44%; S. 0%.

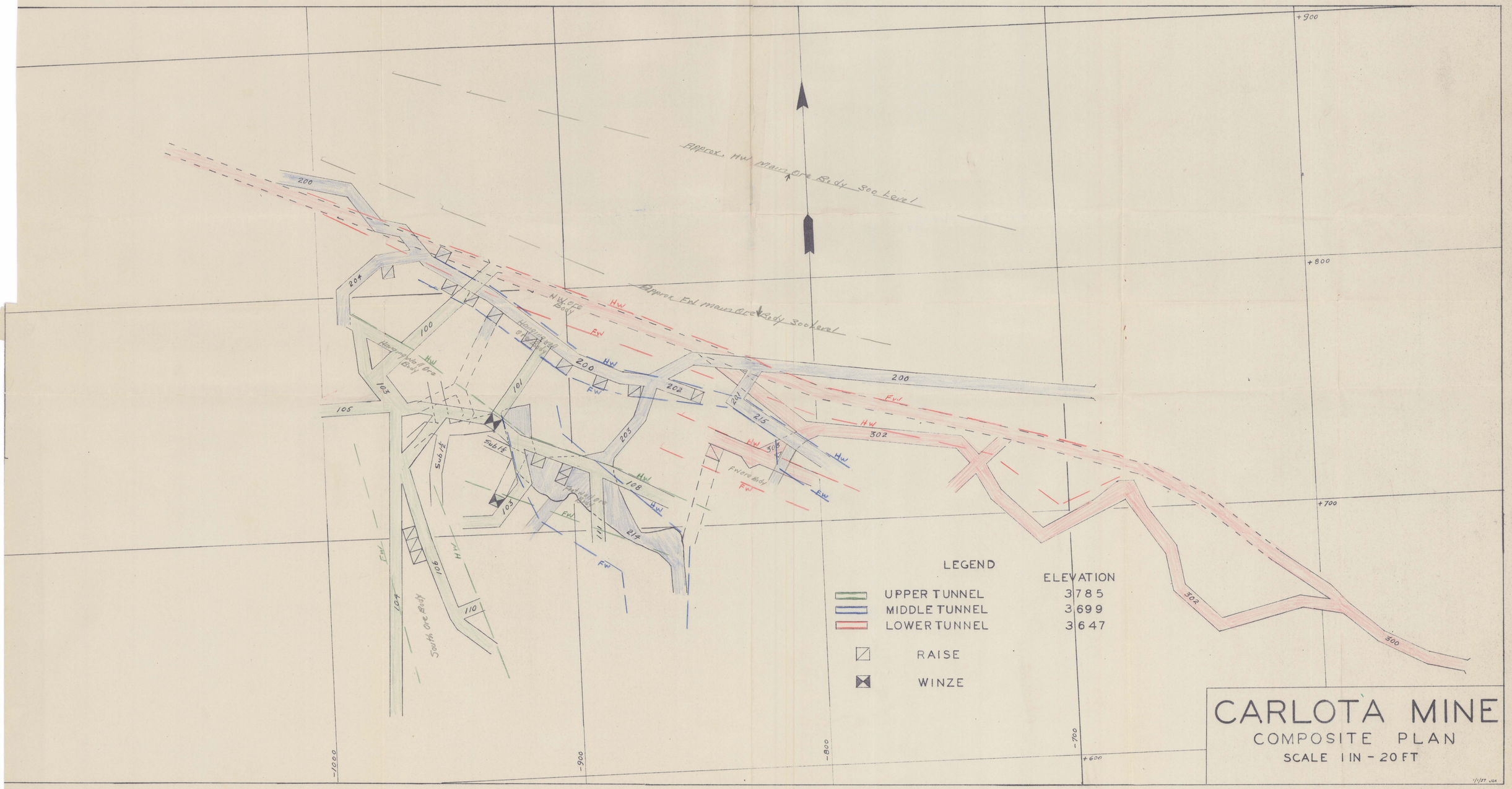
30. Remarks

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

Property for sale - Price $75,000.00
Terms on application.

32. Signed John L. Alexander

33. Use additional sheets if necessary.


Approx. HW main ore Body 500 level
Approx FW main ore Body 500 level
HW ore Body
Hanging wall ore Body
Footwall ore Body
South ore Body
FW ore Body
Sub lvl
LEGEND
ELEVATION
UPPER TUNNEL 3785
MIDDLE TUNNEL 3699
LOWER TUNNEL 3647
RAISE
WINZE
CARLOTA MINE
COMPOSITE PLAN
SCALE 1 IN - 20 FT