



## **CONTACT INFORMATION**

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Visited G. A. Stillman at Brown's Crossing on January 11. He reported that Tearney & Burns had turned their lease and option on the Cleopatra mine, together with many claims recently located by them, to Inspiration Consolidated. The total number of claims is 125 (7 patented). Inspiration was to begin drilling within the week.  
Memo TPL 2-2-61

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Elmer Welch called the office re the Cleopatra mine. He wanted an engineer to examine it and made arrangements with Joe Strutzel to do so. TPL WR 2-24-62

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Interview with Elmer Welch (274-0974)  
Mr. Welch and associates have the Cleopatra mine. Memo LAS 2-11-63  
Option expired 1-1-64

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Cleopatra Copper and Gold Mining Co. have taken over the Cleopatra mine. Mr. C. J. Walters of 509 W. Holly, Phoenix, is trustee of the estate of W. Stewart Thompson of Los Angeles, California (see 8-9-60 report)  
Mr. Norm Locatis and E. J. (Jack) Cleveland are with the above company.  
Information by phone. LP 4-27-64

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Cleopatra and other properties in district inactive. FTJ WR 9-10-65

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No activity at the Cleopatra mine. FTJ WR 9-9-66

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Gunnar Mining Ltd. Con. Co.  
(Uranium mine in Saskatchewan)  
Gunex - Exploration Subsidiary (according to Murray Schutz)

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Gunex drilled deep hole at Cleopatra. FPK Note 3-21-67

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Murray A. Schutz  
127 Montgomery Street  
San Francisco, Calif. (YU 6-5588)

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Called re the Cleopatra property, Mohave County. He stated the property was owned by Mr. Berg of California. They are looking with a view toward operating this deposit. Called in the office 4-3-67 - talked with Mr. Knight by phone & had correspondence before making the trip. FPK 4-3-67

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Mr. Murray Schutz, 127 Montgomery St., San Francisco, is interested in the Cleopatra. He said roads to the property from Brown's Crossing and Alamo were being closed by Army Engineers. FTJ WR 6-30-67

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Mr. Murray A. Schutz, Pres., Arizona Nevada Gold-Copper & Silver Mining Co., Osborn Plaza Bldg., 222 West Osborn Rd., Phoenix, Arizona 85013. This was the address on Mr. Schutz' calling card. 5-1968

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CLEOPATRA MINE

MOHAVE COUNTY

Murray A. Schutz drilling at Cleopatra. They are using air drill mounted on tripod. Holes are under 50'. Mike O'Leary is in charge. FTJ WR 6-20-69

Shallow drilling was under way at the Cleopatra mine <sup>North?</sup> southwest of Brown's Crossing. Too early for evaluation. FTJ QR 7-15-69

Murray Schutz re Cleopatra. He said drilling results were very unsatisfactory. Did not find the ore he had hoped for. He will abandon project. FTJ WR 9-19-69

' CLEOPATRA MINE

MOHAVE COUNTY  
OWENS DIST.

An interview at Congress Junction (with Mrs. McGuffie). Learned that work is continuing at the Sally Anne Mine; and that the director of the work, James Tierney, has negotiated a lease with option to purchase agreement with Banner Mining Company for the Cleopatra mine (another of his holdings). It is said the Banner people are now conducting an examination of the property.

TRAVIS P. LANE - WR - 8-27-60

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The Cleopatra mine, belonging to Stewart Thompson, Kingman, Arizona, is now being worked under lease by John and Harvey Moore, of Aguila, Arizona. They are now taking out a test shipment of gold and copper ore, which will be transported by truck to Aguila and shipped to the smelter at Clarksdale. The property is developed and owners claim over 1,000,000 tons of ore exposed in a blanket vein assaying 2% copper and \$3 gold per ton, with lenses and bunches of higher grade ore here and there in the vein.



Mining Journal 5-5-42

Visited the St. Jude Mining Co. camp and their Sally Anne mine workings, also the Cleopatra workings, 5 miles east of the camp. Both properties are under the same management and are active with a total of 6 men working. The Sally Anne property and the camp are leased from the owner, Mrs. McGuffey, operator of the hotel at Congress Junction. The work consists of advancing a deep cut on a copper vein and sorting out a certain amount of copper ore for shipment. Mr. James Tearney, 2342 N. Ritchie Blvd., Tucson, is the principal in the St. Jude Mining Co. Also, he operates the Cleopatra (on a lease from the owner) as a personal venture. Work at the Cleopatra consists of cleaning up the pit with the expectation of resuming open cut mining of copper-gold ore. The Cleopatra is owned by W. Stewart Thompson, 2141 W. 83rd St., Los Angeles, Calif. Interviewed Mrs. McGuffey at Congress Junction re her deal on the Sally Anne mine.

TPL WR 6-18-60

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FRANK J. MONTONATI  
MINING ENGINEER  
Box 662  
1036 Reese Street  
Silverton, Colorado  
81433  
303-387-5734

Refer to:

STATE MINE INSPECTOR

AUG 21 1984

Mr. Dave Hamm  
State Mine Inspector  
705 W. Wing Capitol Building  
Phoenix, Az.  
85007

Dear Mr. Hamm,

Please be advised that MCO will commence operations at the Crown King Mine on or about 8/17/84. We plan to gain access to an old existing drift and perhaps extend it for sampling purposes. Estimated time for this job is approximately 3 weeks.

MCO will also commence operations on surface at the Alvarado Mine on or about 8/24/84. This work will entail surface sampling the vein outcrop with a backhoe. Estimated time, about 1 week.

MCO will be involved with some road and drill site R & R at the Cleopatra near Alamo Lake, starting on or about 8/24/84. Estimated time on site, approximately 3 weeks.

I would like to make arrangements with you to do an emissions test on a loader at the Crown King Mine and a grounding test at the Gladiator Mine.

Please contact me so that we may set up a time that is convenient for you.

Sincerely,

A handwritten signature in cursive script that reads 'Frank Montonati'.

Frank Montonati  
MCO

*Cleopatra*  
ARIZONA-NEVADA MINING COMPANY

OSBORN PLAZA BUILDING  
222 WEST OSBORN ROAD  
PHOENIX, ARIZONA 85013



MURRAY A. SCHUTZ  
PRESIDENT

PHONE 266-5229

May 2, 1969

Mr. Frank P. Knight, Director  
Arizona Department of Mineral Resources  
Fair Grounds  
Phoenix, Arizona

Dear Mr. Knight:

I am enclosing a copy of our Offering Circular. If I had had plenty of time and money, I certainly would have taken on Mr. Benjamin Edlestein, Chief Engineer of the S.E.C. in Washington. Any time a person is as rude as he was to myself and Engineer Mike O'Leary, our Mining Engineer from Wickenburg, who was recommended by your department to me two years ago, and the detrimental remarks he made about the reports filed by Elgin B. Holt some years ago to the department you now head, is really "asking for it."

I would have taken it up with Senator Goldwater if time and money would have allowed, in which event I am certain Mr. Edlestein would probably have agreed to a number of things he made us exclude. The most obnoxious of the statements he made us include under H, Use of Proceeds, Page 10, "Funds for which there is no foreseeable need - \$128,365." This had been set aside for the equipment necessary to outfit the Cleopatra and for working capital if development justified. Even the Regional Office of the S.E.C. thought this was very rough on us. They had read all the reports submitted, and particularly Mr. Pennikamp, head of the Regional Office in San Francisco, had read the reports sent to your office by the late Elgin B. Holt of 1940 and 1942 when shipments were being made.

I would not have accepted Mr. Edlestein's changes if I had had before me at that time an Offering Circular he approved a year ago in July which showed even a larger percentage of the money unallocated. In that instance, a statement said that if the proposed development work was not successful, then the excess funds would be used to acquire and explore other mining properties. I now also find an Offering Circular on which an allocation of over \$100,000 is reserved for rehabilitation of a mill on a property that has been shut down for many years if such new development work is successful.

What probably provoked Mr. Edlestein more than anything else was the fact that we submitted Xerox copies of the Strong & Harris shipments to the old Clarkdale smelter, and we had in our possession while in Washington the actual original tissue settlement sheets of their shipments to the former Clarkdale smelter covering the period February 1942 to January 1943. We also had the shipments made by David Strong and Jackson (who, as Mr. Earl Strong said, "is no kin of mine"). These shipments also went to the former Clarkdale smelter of Phelps-Dodge. In addition, we had a letter from Reed Welch of AS&R as to the shipments they had received at Hayden from the Cleopatra Mine.

Mr. Frank P. Knight

-2-

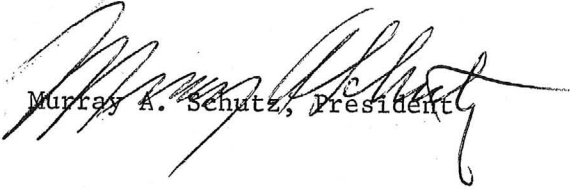
5/2/69

Engineer Mike O'Leary had written a very conservative report on the Cleopatra, but when you have a person who has been in the same position for 33 years and has turned into a Czar, it is very difficult at times to get him to be reasonable in his objections. What particularly I objected to is that there seems to be no uniformity in what a person is allowed to say compared to former approvals. The changes he requested us to make, or threatened to keep us there for weeks, have not helped in our underwriting. However, I believe that our underwriters will be able to sell the entire issue well within the allotted time.

I want to thank you and Ted Johnson for the help and consideration you have given me. It is just two years since I really began in earnest to finance and develop the Cleopatra.

With very best regards, I remain

Sincerely yours,

  
Murray A. Schutz, President

MAS/ag  
Encl.

P.S. If you read the Offering Circular carefully, you will notice under "Ownership", Page 5, our next payment to the owners was due on May 1. However, the lease contract gives a minimum extension time of 30 days.

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007



March 17, 1967

*Schutz Room 604*  
Mr. Murray A. Shutz  
122 Montgomery Street  
San Francisco, California *94104*

Dear Mr. Shutz:

The reports of the four men whose names you gave me over the phone this morning were in part whole incorporated in a prospectus of Cleopatra Copper and Gold Mines Co. More specifically, they are, again in whole or in part, pages 9 to 31 of a report on the above company compiled by Warner & Nelson of Phoenix in early 1917.

The portion by J. R. Adams is in pages 9-10.  
That by Byron O. Pickard is in pages 11-14.  
That by H. A. De Rudio is in pages 15-18.  
The complete report of C. H. James, dated March 16, 1917 is in pages 19-31.  
It gives his address as 9 Central Building, Phoenix.

We have no other knowledge of any of these men.

Enclosed are a photocopy of page 283 of The Mines Handbook - 1924, and copy of a report by Elgin B. Holt dated September 29, 1942.

Strong and Harris, an old trucking firm of Silver City, New Mexico, and for many years, including the present, shippers of smelter flux, operated the Cleopatra from 1942 to 1944 under the premium price plan. A few cars were shipped by a Morton Moores in 1955 and a low grade shipment was reported to our field engineer in 1960.

The Cleopatra claims have been the subject of much big company, small company and individual investigation. The property was idle when visited by us last September.

If we can be of further help on this, please write us.

Sincerely,

FRANK P. KNIGHT,  
Director.

FK:p  
Encs.



May 27, 1957

✓  
CLEOPATRA  
MOHAVE COUNTY  
OWENS MINING DIST.

✓  
Since being operated by David R. Strong, in 1944 -  
Morton Moores obtained a lease in 1955 and shipped  
a few cars - operation unprofitable and terminated -  
property has been examined by several major companies  
in past several years.

MARK GEMMILL

MEMORANDUM

To: Charles F. Willis  
From: Elgin B. Holt  
Subject: Cleopatra - Strong & Harris

Referring to your letter of July 30th, I note you state that Strong & Harris tell you very definitely that they still have an option on Cleopatra and at the same time W. Stewart Thompson is trying to get them off and lease it to Dr. Payne Palmer, etc. That it is evident there is going to be a mix-up.

Kindly be advised that yesterday I had a long interview with David R. Strong, here in Parker. While he was in full charge of operations at Cleopatra last year, he is in no way related to the Strong of Strong & Harris. He was merely employed by them to carry on the work.

David R. Strong tells me that Strong & Harris abandoned Cleopatra last Spring and moved off of it and even they notified Thompson that they were giving up their lease. Later on, Harris had a talk with Dickie, of the Vulture mine, I believe, and thought he could make a deal with him re- Cleopatra. Strong & Harris were paying Thompson 5% royalty; so Harris approached Thompson and tried to get the property back on a 2.5% royalty and then farm it out to Dickie for 5%. Thompson refused. Then David R. began dealing with Dr. Payne Palmer; but this deal fizzled out. Then David R. made a deal with Lee Richardson and Fred Hohman, his present associates, and this new syndicate is now in possession of the property and are now building an access road ~~from~~ to it from Silver Field, which they have also taken over.

Attached hereto is a copy of my news item regarding the operations now being started by David R. Strong and associates; said news item being mailed by me to our Phoenix office today.

Elgin.

cc - J. S. Coupal

Washington, D.C.  
July 19, 1943.

DEPT. MINERAL RESOURCES  
RECEIVED  
JUL 22 1943  
PHOENIX ARIZONA

SUBJECT: Cleopatra Mine  
Dr. Palmer

This was a Heaven sent example, as I am going to be able to use it as another illustration of intolerable delays.

As a matter of fact, the Copper Division have this set up and ready to go by June 7th, which was not so bad, and the rest of the delay has been the usual Quota Committee and OPA dilatory tactics.

The case is now leaving Batchelder's desk and should go to Metals Reserve tomorrow.

I raised Hell about it.

Bill Broadgate

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
304 HOME BUILDERS BUILDING  
PHOENIX, ARIZONA

*Second*

*8/12*

*Mr. Stewart Thompson*

*147 W 8th St*

*A*

REASON CHECKED  
 Unclaimed  
 Unknown  
 For better address  
 Moved, left no address  
 No such office or name

Returned to  
 Post Office  
 Phoenix, Ariz.

PHOENIX  
AUG 5  
8 PM  
1943  
ARIZ

Mr. D. R. Strong  
Yucca  
Arizona

*cleopatra*

MEMORANDUM

JULY 17, 1943

From: W. C. Broadgate  
To: J. S. Coupal  
Subject: ADVANCED PREMIUM COPPER - CLEOPATRA MINE - DR. M. P. PALMER, PHOENIX  
(Arizona Lead Company)

I have just talked with Dr. Palmer regarding his application for an advanced premium on the Cleopatra Copper Mine. His application was made on May 27th, and on June 10th he was informed that the Quota Committee would give it consideration. No word has been received since.

The Cleopatra Copper is located in southern Mohave County, rather close to the Bill Williams River. It has a large tonnage of low grade copper, a siliceous ore in demand by the smelters. Operations have been carried on but the property can not show a profit on the 17¢ price, and Dr. Palmer is asking a 27¢ price. He has a contract and is prepared to finance operations so as to ship 300 tons per day; 200 to the Clarkdale smelter and 100 to the Hayden plant. This ore is low grade and has a long haul to the railroad; can keep a steady tonnage moving if an adequate premium is granted.

Dr. Palmer is awaiting a decision from the Quota Committee before he signs the contract calling for the above shipments.

I believe this is worthy of your early attention.

J.S.C.

November 19, 1943

Mr. Stewart Thompson  
Kingman, Arizona

Dear Mr. Thompson:

I have submitted a report on your property, the Cleopatra, to A. M. Riedesel, who, I believe, will be acting as a broker with particular clients looking for a good sized copper property.

Yours very truly,

J. S. Coupal, Director

JSC:LP

Washington, D.C.  
Oct. 3, 1943

C

SUBJECT: Cleopatra Mine premium transfer

This has been OK'ed by the Quota Committee and if there is no further hitch should be finally OK'ed and notice sent out in two or three days.

RECEIVED  
OCT 3 1943  
PHOENIX, ARIZONA

Bill Broadgate

September 23, 1943

Mr. Lynn Hersey, Assistant Chief  
Primary Production, Copper Division  
War Production Board  
Room 1652, Temp. R Bldg.  
Washington, D. C.

Dear Mr. Hersey:

I am enclosing a copy of a letter which has been sent to Landon F. Strobel, Quota Committee, regarding a transfer of the advanced premium on the Cleopatra Mine from the Arizona Lead Corporation to Strong and Richardson.

I believe you are fully acquainted with the problems connected with the operation of the Cleopatra Mine and anything you can do to expedite the transfer of this advanced premium will be highly appreciated by the operators.

Yours very truly,

J. S. Coupal, Director

JSC:LP  
Enc.

CC: W. C. Broadgate

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine CLEOPATRA COPPER MINE

Date September 29, 1942

District Owens, Mohave Co.

Engineer Elgin B. Holt.

Subject:

LESSEES: Strong & Harris, Vanadium, New Mexico; David R. Strong, Superintendent, Yucca, Arizona.

METALS: Copper and gold.

LOCATION:

This property is located in Mohave County, 54 miles south of Yucca and 15 miles northwest of Alamo Crossing on the Williams River. Property belongs to Stewart Thompson, et al, Kingman, Arizona, and is leased to Strong & Harris, of Vanadium, New Mexico. I visited the Cleopatra property on June 3, 1942, and interviewed the Superintendent, David R. Strong. At that time, six men were employed, including truck drivers.

PRODUCTION

Production started around February 15, 1942, open pit mining being carried on and copper-gold ore shipped to the Clarksdale smelter, where such ores are needed for fluxing purposes. To June 3, 1942, 24 car loads of ore had been shipped, averaging: copper, 2.5%; gold, 0.12 ounces; silica, 85%; iron, 3%; lime, 10%; and alumina, 2%.

OPERATING COSTS AT CLEOPATRA, per David R. Strong:

Mining & loading, per ton of ore shipped-----	\$0.50
Truck haul to Yucca, per ton of ore shipped-----	2.50
R. R. Freight to Clarksdale, per ton of ore shipped-----	1.25
Smelting charges per ton, incl. silica credits-----	1.75
Royalty to owners per ton of ore marketed-----	.25

Total operating and marketing costs -----\$6.25

NOTE: As the ore averages about \$9.00 per ton, it is evident a net profit should be made; but due to poor roads, I understand trucking costs have been determined to be quite excessive. Also, as Lessees are planning to make shipments of this fluxing ore, via Alamo Crossing and Wenden to the Hayden smelter, a bridge at Alamo, now being proposed as an access road project, would facilitate such shipments. The distance from Cleopatra to Wenden is 45 miles as against 54 miles from this mine to Yucca. However, it is now rumored here in Kingman that the Manganese Ore Company is planning to start active work at the Artillery Peak manganese holdings, with a view to putting in a huge reduction works near this property. Should this materialize, the said company will no doubt arrange to pave the Yucca Alamo-Wenden road to a point between Artillery Peak and Cleopatra. Such a road would reach a point 6 miles east of Cleopatra and about the same distance west of the Artillery Peak Properties, and, hence, would serve both properties, to which branch roads would be built.



ESTIMATED ORE RESERVES AT CLEOPATRA

Around 600,000 tons of ore have been developed at Cleopatra by test pits and diamond drill holes, estimated to assay 2.5% copper; 0.12 ounces gold; 85% silica; 3% iron; 10% lime; and 2% alumina. The said ore deposit occurs in blanket form, from 10 to 20 feet thick, with no overburden; hence, mining costs by quarrying can be held at a low figure, as above set forth.

PROBLEMS

The main problem at this property is the lack of good roads, as above discussed, and steps are now being taken to remedy this situation, in whole or in part, by the construction of the ALAMO ACCESS ROAD PROJECT, consisting mainly of the proposed bridge below Alamo Crossing, as well as the improvement of the Yucca-Alamo-Wenden road. Also, this property, carrying low copper values as it does, would be considerably benefitted by a higher price for copper. However, if road conditions could be improved materially, this property could produce 300 tons of ore per day of the above grade.

SPECIAL

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine CLEOPATRA

Date January 3, 1940.

District Owens, Mohave Co.

Engineer Elgin B. Holt,  
P. O. Box 288,  
Kingman, Arizona.

Subject:

SYNOPSIS REPORT

- OWNER: Stewart Thompson, Kingman, Arizona.
- METALS: Gold and copper; copper of minor importance; gold predominating.
- LOCATION: Property is located 60 miles southeasterly from Yucca, and is reached from that point by a county maintained dirt road to within three miles from property; thence by a passable hilly traversed road to mine. Area, 7 patented claims.
- VEIN: Ore occurs in a blanket vein 12 feet thick of silicified limestone and a considerable area of this vein is exposed on the surface by erosion; and said exposed area is developed by a number of long open cuts for sampling and no ore has been removed from dumps, except short lots of better grade ores. Mr. Thompson estimates the said exposed developed vein area to contain 1,500,000 tons, averaging \$3.00 gold per ton and 2% copper; gold being free and copper in the form of silicate and carbonate. Formation on foot wall is schist and hanging is limestone, at points where the vein dips under the same; said covered area being extensive. I made no measurements; but I rather think, from walking over the ground and estimating distances that Thompson's estimate of tonnage of exposed ore too high. Possibly there are about 500,000 tons exposed. But Mr. John Moore, who is leasing at property and taking out \$16.00 ore from cuts and croppings, informed me he had found the said blanket vein exposed in a canyon wash about one mile north of property and at another place  $\frac{1}{4}$  mile westerly. Hence, future development should uncover many times the amount of ore now in sight.
- WATER: An ample supply of water could be secured for a large milling operation from the Williams River, 8 miles southwesterly from mine.
- METALLURGY: Ordinarily the associated copper carbonate and silicate in the ore could be recovered by acid leaching and the tails from leaching operations could be treated and the gold recovered by cyanidation. However, while the ore is highly silicious, it is likely that there may be enough residual lime accompanying the ore to be very troublesome in a leaching operation.

In short, if and when an economical milling operation could be worked out, whereby a high recovery of the gold and copper values in Cleopatra ores can be recovered, unquestionably considerable money could be made, providing such an operation is adequately financed and expertly managed.

TABULATION OF SMELTER SHIPMENTS FROM CLEOPATRA--1942/1943

Clarksdale Smelter

Strong and Harris

Date	Shipper Lot	Dry Tons	Au	Ag	Cu	SiO <sub>2</sub>	Fe	CaO	Al <sub>2</sub> O <sub>3</sub>
2/22/42	1	39.4515	.12	.11	2.02	84.2	4.10	2.40	0.80
4/2/42	2	31.3235	.08	.15	1.81	85.2	5.40	0.50	1.00
4/12/42	3	47.1540	.06	.38	2.27	81.8	5.50	1.10	0.90
4/17/42	4	33.3405	.11	.10	1.75	81.5		2.50	1.00
5/7/42	5	41.1745	.105	.535	2.42	78.5	5.50	2.80	1.30
5/12/42	6	127.4935	.14	.315	2.08	82.9	4.50	2.10	0.90
5/17/42	7	37.1225	.1375	.4.5	1.83	80.0	4.40	4.30	0.90
5/22/42	8	27.1145	.105	.435	1.97	81.8	4.80	3.10	0.90
6/1/42	9	31.1745	.12	.29	1.93	83.6	4.40	2.10	0.80
6/5/42	10	31.1245	.115	.21	2.00	80.0	4.50	4.30	1.00
6/12/42	11	29.1745	.115	.23	1.75	83.1	4.00	3.00	0.80
6/18/42	12	30.1245	.10	.18	1.95	84.4	4.30	1.20	1.00
6/25/42	13	29.1245	.085	.20	2.06	84.0	5.10	1.10	1.30
7/2/42	14	27.1245	.08	.12	2.22	80.8	5.10	2.80	1.70
7/25/42	15	31.1745	.11	.17	1.94	76.0	5.00	5.70	1.40
8/3/42	16	31.1645	.5115	.18	1.77	81.0	5.00	9.70	1.60
8/21/42	17	42.1410	.075	.175	1.80	79.6	4.80	9.80	1.30
8/28/42	18	26.1745	.11	.385	1.86	71.0	6.20	7.00	2.00
9/3/42	19	31.1675	.11	.17	1.99	85.0	7.40	7.50	2.60
9/11/42	20	32.1410	.1175	.23	1.46	72.0	5.30	5.70	3.70
9/14/42	21	42.1315	.0775	.11	1.87	75.4	4.80	5.90	1.50
9/17/42	22	40.1355	.105	.115	1.76	76.2	5.20	5.20	1.90

Strong and Harris (continued)

Date	Shipper Lot	Dry Tons	Au	Ag	Cu	SiO <sub>2</sub>	Fe	CaO	Al <sub>2</sub> O <sub>3</sub>
9/22/42	23	100.0845	.1725	.185	1.92	69.0	6.20	8.20	2.10
9/29/42	24	46.3420	.065	.18	2.30	76.4	5.60	4.50	1.30
10/5/42	25	43.9360	.1125	.18	2.25	73.8	6.10	5.00	1.70
10/10/42	26	42.2730	.1025	.10	2.20	71.8	6.40	5.00	2.90
10/27/42	27	45.1640	.14	.185	1.51	73.3	4.00	7.00	8.40
11/12/42	28	46.9555	.15	.15	1.09	70.2	4.10	8.30	1.50
11/17/42	29	114.7050	.22	.10	1.05	62.3	6.20	10.50	3.10
11/21/42	30	58.0535	.11	.06	1.11	62.9	5.20	11.50	2.30
11/25/42	31	51.6135	.25	tr	0.66	57.6	5.90	12.10	4.00
12/3/42	32	114.9590	.10	.04	0.67	47.7	6.20	19.30	2.80
12/15/42	33	49.5030	.145	.10	0.75	51.3	5.60	18.60	2.40
12/18/42	34	150.8960	.155	.21	1.55	73.4	5.70	5.00	2.30
12/27/42	35	101.701	.085	.18	0.90	56.9	5.70	15.00	1.70
1/1/43	36	45.6375	.13	.07	0.89	58.9	4.70	14.10	2.10
1/8/43	37	56.1430	.12	.08	1.12	63.2	5.30	12.00	2.30
total		2899.8860 tons	.1621	.2205	1.704	74.1	(weighted averages)		

Strong and Jackson

2/5/43	1	98.9305	.08	.22	1.54	78.2	not reported		
2/5/43	2	187.6820	.08	.26	1.52	83.4			
2/5/43	3	154.0090	.09	.18	1.47	76.8			
2/12/43	4	56.4575	.10	.27	1.59	78.1			
2/12/43	5	109.5185	.16	.26	1.66	76.1			
2/13/43	6	52.5920	.14	.25	1.71	75.1			
2/18/43	7	97.6735	.05	.19	1.68	82.5			

Strong and Jackson (continued)

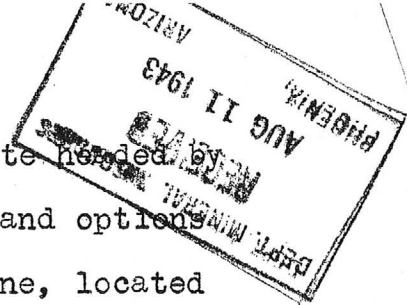
Date	Shipper Lot	Dry tons	Au	Ag	Cu	SiO <sub>2</sub>	Fe	CaO	Al <sub>2</sub> O <sub>3</sub>
3/25/43	8	60.0235	.19	.16	2.15	82.4			
4/13/43	9	<u>85.6795</u>	<u>.06</u>	<u>.13</u>	<u>2.39</u>	<u>73.3</u>			
total tons 872.566			.09896	.2139	1.6937	78.72	4.85	4.0	1.5
			(weighted averages)				(reported averages)		

Summary

total tons	3772.452	Au	Ag	Cu	SiO <sub>2</sub>
		.1475	.219	1.702	75.1

Note: Moisture in all shipments averaged around 1.25%

NEWS ITEM



Bouse, Arizona, August 10, 1943. - A syndicate headed by David R. Strong, Bouse, Arizona, has secured leases and options on the following mining properties: the Cleopatra mine, located in the Owens Mining District, Mohave County, and belonging to W. Stewart Thompson, and associates, 2141 West 81st Street, Los Angeles, California; the Silver Field mine, also located in the Owens Mining District, Mohave County, on the north side of the Williams River, 30 miles north of Bouse, with which point it is connected by a dirt road; the Diana May property, located 30 miles northeast of Bouse in Yuma County. The last two mines mentioned belong to Sidney B. Moeur, et al, of Phoenix, Arizona.

Associated with Strong in this operation are Lee Richardson, President, Desert Chemical Company, Dale Lake, California, and Fred Hohman, Master Aircraft Parts, Los Angeles.

Both the Cleopatra and Silver Field mines are huge surface deposits of highly silicious copper ore, Cleopatra containing gold and Silver Field silver values in the ore.

Strong has taken up his residence in Bouse and has already started shipping ore from Silver Field to Clarkdale, as he has a contract with Phelps Dodge Corporation to supply 300 tons daily of fluxing ores from the three mines mentioned.

He is also improving the road from Bouse to Silver Field and next week will start building a new road, with Access Road money, from Silver Field to Cleopatra, 8½ miles northeast of the former property.

Ore from the three properties referred to will be hauled to Bouse, a station on the Santa Fe Railroad, by means of seven Sterling Diesel trucks, 3 of which will haul 20 tons each and the other 4 30 tons each. Ore will be mined by open pit methods and power shovels

at both Silver Field and Cleopatra. At the present time, per Mr. Strong, one Diesel caterpillar loader will be installed at Silver Field and put in operation while the Access Road is being completed to Cleopatra. This new road will also make accessible a number of smaller copper mines in the area ~~around~~ between the two properties mentioned and ores from these mines will can be shipped to Bouse instead of to Wenden or Yucca, thereby shortening the distance from some of these mines to the railroad.

Also, Strong is planning to build an aerial cable tramway over the Williams River at Mildred Crossing on the Williams River, opposite Silver Field, with ore bins on each side of the river. In this way from the mines to Bouse in the event of floods and high water, transit of ore/will not be held up at the river mentioned.

*Elgin B. Holt*  
Elgin B. Holt.

cc - Charles F. Willis

CLEOPATRA COPPER MINE, Mohave County, Arizona. Strong & Harris,  
Lessees, Vanadium, New Mexico.

This open pit mine has produced 24 cars of ore between February  
and June 1942 averaging in analysis as follows:

Copper 2.5% - Gold 0.12 oz. - Silica 85%

Operating and marketing costs have averaged \$6.25/T. There are various  
estimates, as high as 600,000 tons, of developed ore of the above grade.

Road conditions to rail points are abominable and restrict produc-  
tion. The proposed Alamo Crossing road project, supported by the Depart-  
ment, would alleviate this problem. With better roads, high priorities,  
and very little additional labor above the present crew of six men, this  
property could possibly maintain a production of 9,000 tons per month,  
or 225,000 pounds of copper.

Some financial aid for procurement of slight additional equipment  
might be needed, but the main equipment items including a power shovel  
are now on the premises.

It will be noted the ore is of marginal profit at the current price  
and premium on copper. As no single smelter would wish to contract for  
the entire production of the mine the shipments would have to be split  
between Clarkdale, Hayden, International and Douglas, thereby entailing  
greater freight costs. This will tend to neutralize some of the hauling  
savings which result from road improvements. Therefore, the operation  
will continue as marginal unless there is some change in the price of  
copper.

Report by Earl F. Hastings, October 9, 1942, to Copper Branch, War  
Production Board.



June 3, 1942

DEPT. MINERAL RESOURCES  
RECEIVED  
JUN 8 1942  
PHOENIX, ARIZONA

OPERATING MINES  
Mohave County

*wp*

To; J. S. Coupal  
From: Elgin B. Holt

CLEOPATRA MINE: Located in Mohave County 54 miles south of Yucca, from which point it is reached by a county maintained dirt road to within six miles of property; thence by a very poor but passable dirt road to property:

LESSEES: Strong & Harris, Vanadium, New Mexico. David R. Strong, Supt., Yucca, Arizona.

METALS: Gold and copper. Six men employed, including truck drivers.

PRODUCTION: Started work on February 15, 1942, shipping silicious fluxing ore to the Clarkdale Smelter. To June 3, 1942, 24 cars of ore have been shipped averaging: Copper, 2.5 per cent; gold, 0.12 ounces; silica 85 per cent; iron, 3 per cent; and lime 10 per cent; also aluminum, 2 per cent.

OPERATING COSTS, per David R. Strong:

Mining & loading, per ton of ore shipped -----	\$0.50
Truck haul to Yucca, per ton of ore shipped -----	2.50
R. R. freight to Clarkdale, per ton of ore shipped -----	1.25
Smelting charges per ton, incl. silica credits -----	<u>1.75</u>
Total operating costs per ton ore shipped -----	\$6.00
Plus royalty to owners -----	<u>0.25</u>
	Total -----
	<u>\$6.25</u>

As ore averages from \$8.50 to \$10.00 per ton, it is obvious a profit is being made.

EQUIPMENT: Consists of: One-half yard power shovel; 105-foot Compressor; two International 6-ton trucks, and one 8-ton Diamond-T truck.

INCREASED PRODUCTION: On June 8, 1942, plan to put on eight additional trucks, with capacity of ten tons each, in which event a part of production will be shipped to the Hayden Smelter, via Wenden.

ESTIMATED ORE RESERVES: 600,000 tons; ore occurring in a blanket deposit with no overburden.

*wp*

TYPE NO. 1

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

PRODUCTION POSSIBILITY  
SURVEY

Mine CLEOPATRA COPPER MINE

Date Sept. 29, 1942.

District Owens, Mohave Co.

Engineer Elgin B. Holt

Subject:

DEPT. MINERAL RESOURCES  
RECEIVED  
OCT 1 1942  
PHOENIX ARIZONA  
PRODUCTION POSSIBILITY

LESSEES: Strong & Harris, Vanadium, New Mexico; David R. Strong, Superintendent, Yucca, Arizona.

METALS: Copper and gold.

LOCATION

This property is located in Mohave County, 54 miles south of Yucca and 15 miles northwest of Alamo Crossing on the Williams River. Property belongs to Stewart Thompson, et al, Kingman, Arizona, and is leased to Strong & Harris, of Vanadium, New Mexico. I visited the Cleopatra property on June 3, 1942, and interviewed the Superintendent, David R. Strong. At that time, six men were employed, including truck drivers.

PRODUCTION

Production started around February 15, 1942, open pit mining being carried on and copper-gold ore shipped to the Clarksdale smelter, where such ores are needed for fluxing purposes. To June 3, 1942, 24 car loads of ore had been shipped, averaging: copper, 2.5%; gold 0.12 ounces; silica, 85%; iron 3%; lime, 10%; and alumina, 2%.

OPERATING COSTS AT CLEOPATRA, per David R. Strong:

Mining & loading, per ton of ore shipped -----	\$0.50
Truck haul to Yucca, per ton of ore shipped -----	2.50
R. R. freight to Clarksdale, per ton of ore shipped ----	1.25
Smelting charges per ton, incl. silica credits -----	1.75
Royalty to owners per ton of ore marketed -----	.25
<hr/>	
Total operating and marketing costs -----	\$6.25

NOTE: As the ore averages about \$9.00 per ton, it is evident a net profit should be made; but due to poor roads, I understand trucking costs have been determined to be quite excessive. Also, as Lessees are planning to make shipments of this fluxing ore,

via Alamo Crossing and Wenden, to the Hayden smelter, a bridge at Alamo, now being proposed as an access road project, would facilitate such shipments. The distance from Cleopatra to Wenden is 45 miles as against 54 miles from this mine to Yucca. However, it is now rumored here in Kingman that the Manganese Ore Company is planning to start active work at the Artillery Peak manganese holdings, with a view to putting in a huge reduction works near this property. Should this materialize, the said company will no doubt arrange to pave the Yucca-Alamo-Wenden road to a point between Artillery Peak and Cleopatra. Such a road would reach a point 6 miles east of Cleopatra and about the same distance west of the Artillery Peak properties, and, hence, would serve both properties, to which branch roads would be built.

#### ESTIMATED ORE RESERVES AT CLEOPATRA

Around 600,000 tons of ore have been developed at Cleopatra by test pits and diamond drill holes, estimated to assay 2.5% copper; 0.12 ounce gold; 85% silica; 3% iron; 10% lime; and 2% alumina. The said ore deposit occurs in blanket form, from 10 to 20 feet thick, with no overburden; hence, mining costs by quarrying can be held at a low figure, as above set forth.

#### PROBLEMS

The main problem at this property is the lack of good roads, as above discussed, and steps are now being taken to remedy this situation, in whole or in part, by the construction of the ALAMO ACCESS ROAD PROJECT, consisting mainly of the <sup>proposed</sup> bridge below Alamo Crossing, as well as the improvement of the Yucca-Alamo-Wenden road. Also, this property, carrying low copper values as it does, would be, <sup>considerably</sup> ~~materially~~ benefitted by a higher price for copper. However, if road conditions could be improved materially, this property could produce 300 tons of ore per day of the above grade.

SPECIAL

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine CLEOPATRA

Date January 3, 1940

District Owens, Mohave Co.

Engineer Elgin B. Holt  
P.O. Box 288

Subject:

Kingman, Arizona

S Y N O P S I S R E P O R T

- OWNER: Stewart Thompson, Kingman, Arizona.
- METALS: Gold and copper; copper of minor importance; gold predominating.
- LOCATION: Property is located 60 miles southeasterly from Yucca, and is reached from that point by a county maintained dirt road to within 3 miles from property; thence by a passable hilly traversed road to mine. Area, 7 patented claims.
- VEIN: Ore occurs in a blanket vein 12 ft. thick of silicified limestone and a considerable area of this vein is exposed on the surface by erosion, and said exposed area is developed by a number of long opencuts for sampling and no ore has been removed from dumps, except short lots of better grade ores. Mr. Thompson estimates the said exposed developed vein area to contain 1,500,000 tons, averaging \$3 gold per ton and 2% copper; gold being free and copper in the form of silicate and carbonate. Formation on foot wall is schist and hanging is limestone, at points where the vein dips under the same; said covered area being extensive. I made no measurements, but I rather think, from walking over the ground and estimating distances that Thompson's estimate of tonnage of exposed ore too high. Possibly there are about 500,000 tons exposed. But Mr. John Moore, who is leasing at property and taking out \$16 ore from cuts and croppings, informed me he had found the said blanket vein exposed in a canyon wash about 1 mile north of property and at another place 1/4 mile westerly. Hence, future development should uncover many times the amount of ore now in sight.
- WATER: An ample supply of water could be secured for a large milling operation from the Williams river, 8 miles southwesterly from mine.
- METALLURGY: Ordinarily the associated copper carbonate and silicate in the ore could be recovered by acid leaching and the tails from leaching operations could be treated and the gold recovered by cyanidation. However, while the ore is highly siliceous, it is likely that there may be enough residual lime accompanying the ore to be very troublesome in a leaching operation.

In short, if and when an economical milling operation could be worked out, whereby a high recovery of the gold and copper values in Cleopatra ores can be recovered, unquestionably considerable money could be made, providing such an operation is adequately financed and expertly managed.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine Cleopatra (Cu, Au) Date August 9, 1960  
District Owens, Mohave County Engineer Travis P. Lane  
Subject: Visit to property June 15, 1960.

Property: See file

Ownership: W. Stewart Thompson, 2141 W. 83d St., Los Angeles, California.

Operator: James F. Tearney, 2342 N. Ritchie Blvd., Tucson, is conducting the work as a personal venture under a lease-option agreement with the owner. He is also managing the St. Jude Mining Co. operations at the Sally Ann Mine some 5 miles south of the Cleopatra. Two men are working in the old pit sorting ore for shipment.

Since this visit it is reported that one low grade shipment has been made.

MEMO

November 16, 1960

CLEOPATRA CLAIMS

Travis P. Lane

At the time of visit the lessees, Bob Burns and Jim Tearney, were on the property, also a brother of Tearney. They were directing performance of location work on 42 claims which they had recently staked on the boundaries of the 7 patented Cleopatra claims. Their interest in all the ground is optioned to Chas. R. Kimes and Robt. T. England, owners of the adjoining large group of Lucky Strike claims.

The property has recently been the subject of much big company and individual investigation: Banner, Inspiration, Duval, etc. Bob Burns reports that Inspiration's sampling returned: 1.83% Cu, 0.12 oz. Au, and 0.18 oz. Ag. Miami was due to examine the ground next day.

GENERAL INFORMATION RE:  
CLEOPATRA MINING CLAIMS

1. These claims are located in Township 11 North, Range 14 West, Gila and Salt River Base and Meridian, Section 4 and 9 Mohave County, in the Owens Mining District.
2. There are seven patented claims, 124 lode claims, all on Federal Land.
3. From Congress Junction, proceed to the Kingman cutoff, than about 4 miles north, turn left at sign 38 miles to the Alamo Crossing. This is all excellent improved dirt road. Cross Bill Williams River at Alamo and follow a less improved, but passable road to the property, around 9 miles.
4. The area covered is approximately 2600 acres.
5. The prevailing rock formations are Diabase, Limestone, quartz, Magnetite, and Schist.
6. Ore bearing minerals are malachite, chrysocolla, azurite, cuprite, with some sulfides.
7. The deposit is exposed on strike about 600 feet. North average width about 500 feet. The deposit is therefore amenable for open pit mining on a production of 5000 tons per day or more.
8. Tonnage has been estimated at 150,000 tons per foot of depth. In the past production has made, but we do not have exact figures.
9. The property lies just West of what is known as the Artillery Peak area, all being highly mineralized. The property is not incorporated, there are no incumbrances that we know of and the Title to the unpatented claims lies in Robert Burns and James Tierney.
10. The type of deal suggested is; Detailed exploration and drilling program, with sufficient time for scientific determination, with some cash and/or interest.
11. Elmer F. Welch and Dwight L. Solomon, 1338 West Thomas Road, Phoenix, Arizona, submit this information, Mr. Solomon acts as attorney for Mr. Welch, and Mr. Welch acts as agent for owners above named.
12. This property is about 25 miles west of the Colorado River and about 6 miles north of the Bill Williams River. According to newspaper reports, Congress has recently authorized the building of dams on the Bill Williams River south and a little east of the property which will impound a great deal of water. Likewise, a road has been surveyed to run from Yucca to Wenden, located on the Wickenburg, Blythe highway.
13. Assets and reports indicated a large tonnage of 10 to 15 dollar ore, the property is much more accessible than the usual large prospective deposits and as indicated the water situation is favorable.



*copy*  
D. CARMAN RIOLANO  
Geological Engineer  
Walterton & Co. Office  
Reg. Geol. - Ariz.

TELEPHONE 264-7111  
252-1600

3600 NORTH CENTRAL AVENUE  
PHOENIX, ARIZONA

CLEOPATRA COPPER AND GOLD MINING PROSPECT  
OWENS MINING DISTRICT, MOHAVE COUNTY, ARIZONA

INTRODUCTION:

The writer visited the Cleopatra Copper-Gold prospect with Mr. E. L. Cleveland, President, of the Cleopatra Copper and Gold Mining Co. Inc. on May 16, 1964, and has examined reports on the property by J. R. Adams, Bryon O. Pickard, H. A. deRudio, and C. R. James. The company of which Mr. Cleveland is President, has acquired the 7 patented Cleopatra lode mining claims and 100-plus adjoining claims, and other acquisitions were in progress.

LOCATION:

The property is located in Sections 4 and 9, Township 11 North, Range 14 West, SRBM, Owens mining district, Mohave County, Arizona. The 7 patented claims are described legally under U. S. Survey No. 3573. The property is 110 miles northwest of Phoenix and 63 miles south and slightly east of Kingman, Arizona.

ACCESS:

It is reached from Phoenix by motor vehicle by driving 51 miles northwest on U. S. 70 to Wickenburg, thence on state route 93 a distance of 20 miles in the same direction, thence northwest on a gravel road 43 miles to a crossing on the Bill Williams River at the dam site. The road continues northwest from this point and the property begins 6 miles from the crossing and continues for approximately an additional 6 miles.

A new paved highway from Wenden, Arizona, north to the dam site, is now under construction. When completed, the best route from Phoenix will be to continue west from Wickenburg 30 miles on U. S. 70 to Wenden, thence,



north 45 miles to the crossing.

#### GENERAL GEOLOGY:

The rocks of the immediate area consist mainly of pre-Cambrian schists with erosional remnants of Paleozoic limestone resting on the schists.

#### MINERALIZED OCCURRENCES:

A large exposure of quartz was observed containing disseminated carbonates and silicates of copper. At one location on the property the dimensions of the exposure are approximately 600 by 1200 feet and the formation continues under overburden to the north and west. It is apparently eroded away to the east, but continues indefinitely to the southeast. Steeply dipping chlorite schist is exposed in a wash to the west of the quartzitic mass.

Two quarries in the mineralized area expose the third dimension of the formation to a depth of approximately 20 feet and the bottom of the formation has not been penetrated in either cut. Assuming the occurrence to be lenticular, that is, to pinch out to zero from the thickest point, the average known depth may be assumed to be 10 feet. A block 600 by 1200 feet, in place, would contain approximately 600,000 tons.

The grade of this mass of mineralized material should be obtained by a systematic program of drilling. Such a program will also determine the depth and lateral extent of the mineralization.

Shipments of ore from the quarries apparently went to the American Smelting and Refining Company at Hayden, Arizona. Smelter settlement sheets show shipments made in September through December, 1954; December 1955, through May 1956; and in July of 1960. They indicate a fairly consistent grade of crude copper-gold ore having been shipped. The highest and lowest copper assays are 2.29% and 0.78%, respectively, and, for gold, 0.21 oz. per ton.

To .02 Oz. per ton.

Silver ranges from a high of .28 to a low of 0.16, but was too low to be of any value in the settlements. The average of 1,450 tons was approximately 1.37% copper and 0.091 oz. per ton gold. At today's smelter prices (copper .32¢ per pound and gold \$32.3185 per oz.) the ore would have an average value at the smelter of \$9.14 per ton.

Undoubtedly the pits were selected in better than average areas of the deposit, so the above grade cannot be expected to be the average of the entire deposit. Nevertheless, it appears to the writer that a very substantial tonnage of commercial grade copper-gold ore can be substantiated by a program closely spaced, vertical, shallow, drill holes.

The writer was shown a number of similar, mineralized occurrences at widely spaced locations on the property. Two of these showings were highly impressive and drilling programs are undoubtedly justified for them. In one, copper mineralization occurred in a relatively flat-lying schist; in the other, copper appeared to be in a silicious replacement of a limestone similar to the first deposit described.

#### ORIGIN OF THE MINERALIZATION:

The weathered surface of the mineralized deposit is buff-colored and ribbed in a manner very characteristic of limestone. Breaking through the weathered surface, however shows the material to be hard, brittle fine-grained quartz containing disseminated copper minerals. This particular occurrence, therefore, appears to be a replacement of a limestone bed by mineralized, silicious material. Smelter settlement sheets show silica to range between 70 and 85% and lime to range between 2 and 15%.

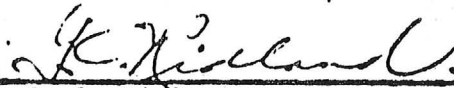
#### CONCLUSIONS:

The property held by the Cleopatra Copper and Gold Mining Co. Inc.

*Geological Engineer*

is one of unusual merit. A large tonnage of copper-mineralized ground that can be exploited by open-pit methods is already exposed on the Cleopatra claim. It can be developed by shallow drilling. Two similar showings also exist that warrant drilling. The property is considered unusual for reason that the risk of proving one or more large, commercial ore bodies by drilling is almost non-existent.

Reported:



G. C. Ridland  
Registered Professional Geologist  
State of Arizona (No. 5087)

May 18, 1964



CLEOPATRA MINE

MOHAVE COUNTY

Visited G. A. Stillman at Brown's Crossing on January 11. He reported that Tearney & Burns had turned their lease and option on the Cleopatra mine, together with many claims recently located by them, to Inspiration Consolidated. The total number of claims is 125 (7 patented). Inspiration was to begin drilling within the week.  
Memo TPL 2-2-61

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Elmer Welch called the office re the Cleopatra mine. He wanted an engineer to examine it and made arrangements with Joe Strutzel to do so. TPL WR 2-24-62

---

Interview with Elmer Welch (274-0974)  
Mr. Welch and associates have the Cleopatra mine. Memo LAS 2-11-63  
Option expired 1-1-64

---

Cleopatra Copper and Gold Mining Co. have taken over the Cleopatra mine. Mr. C. J. Walters of 509 W. Holly, Phoenix, is trustee of the estate of W. Stewart Thompson of Los Angeles, California (see 8-9-60 report)  
Mr. Norm Locatis and E. J. (Jack) Cleveland are with the above company.  
Information by phone. LP 4-27-64

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Cleopatra and other properties in district inactive. FTJ WR 9-10-65

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No activity at the Cleopatra mine. FTJ WR 9-9-66

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Gunnar Mining Ltd. Con. Co.  
(Uranium mine in Saskatchewan)  
Gunex - Exploration Subsidiary (according to Murray Schutz)

Gunex drilled deep hole at Cleopatra. FPK Note 3-21-67

---

Murray A. Schutz  
127 Montgomery Street  
San Francisco, Calif. (YU 6-5588)

Called re the Cleopatra property, Mohave County. He stated the property was owned by Mr. Berg of California. They are looking with a view toward operating this deposit. Called in the office 4-3-67 - talked with Mr. Knight by phone & had correspondence before making the trip. FPK 4-3-67

---

Mr. Murray Schutz, 127 Montgomery St., San Francisco, is interested in the Cleopatra. He said roads to the property from Brown's Crossing and Alamo were being closed by Army Engineers. FTJ WR 6-30-67

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Mr. Murray A. Schutz, Pres., Arizona Nevada Gold-Copper & Silver Mining Co., Osborn Plaza Bldg., 222 West Osborn Rd., Phoenix, Arizona 85013. This was the address on Mr. Schutz' calling card. 5-1968

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CLEOPATRA MINE

MOHAVE COUNTY

Murray A. Schutz drilling at Cleopatra. They are using air drill mounted on tripod. Holes are under 50'. Mike O'Leary is in charge. FTJ WR 6-20-69

Shallow drilling was under way at the Cleopatra mine <sup>North?</sup> southwest of Brown's Crossing. Too early for evaluation. FTJ QR 7-15-69

Murray Schutz re Cleopatra. He said drilling results were very unsatisfactory. Did not find the ore he had hoped for. He will abandon project. FTJ WR 9-19-69

' CLEOPATRA MINE

MOHAVE COUNTY  
OWENS DIST.

An interview at Congress Junction (with Mrs. McGuffie). Learned that work is continuing at the Sally Anne Mine; and that the director of the work, James Tierney, has negotiated a lease with option to purchase agreement with Banner Mining Company for the Cleopatra mine (another of his holdings). It is said the Banner people are now conducting an examination of the property.

TRAVIS P. LANE - WR - 8-27-60

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The Cleopatra mine, belonging to Stewart Thompson, Kingman, Arizona, is now being worked under lease by John and Harvey Moore, of Aguila, Arizona. They are now taking out a test shipment of gold and copper ore, which will be transported by truck to Aguila and shipped to the smelter at Clarksdale. The property is developed and owners claim over 1,000,000 tons of ore exposed in a blanket vein assaying 2% copper and \$3 gold per ton, with lenses and bunches of higher grade ore here and there in the vein.



Visited the St. Jude Mining Co. camp and their Sally Anne mine workings, also the Cleopatra workings, 5 miles east of the camp. Both properties are under the same management and are active with a total of 6 men working. The Sally Anne property and the camp are leased from the owner, Mrs. McGuffey, operator of the hotel at Congress Junction. The work consists of advancing a deep cut on a copper vein and sorting out a certain amount of copper ore for shipment. Mr. James Tearney, 2342 N. Ritchie Blvd., Tucson, is the principal in the St. Jude Mining Co. Also, he operates the Cleopatra (on a lease from the owner) as a personal venture. Work at the Cleopatra consists of cleaning up the pit with the expectation of resuming open cut mining of copper-gold ore. The Cleopatra is owned by W. Stewart Thompson, 2141 W. 83rd St., Los Angeles, Calif. Interviewed Mrs. McGuffey at Congress Junction re her deal on the Sally Anne mine.

---

TPL WR 6-18-60





FRANK J. MONTONATI  
MINING ENGINEER  
Box 662  
1036 Reese Street  
Silverton, Colorado  
81433  
303-387-5734

Refer to:  
STATE MINE INSPECTOR  
AUG 21 1984

Mr. Dave Hamm  
State Mine Inspector  
705 W. Wing Capitol Building  
Phoenix, Az.  
85007

Dear Mr. Hamm,

Please be advised that MCO will commence operations at the Crown King Mine on or about 8/17/84. We plan to gain access to an old existing drift and perhaps extend it for sampling purposes. Estimated time for this job is approximately 3 weeks.

MCO will also commence operations on surface at the Alvarado Mine on or about 8/24/84. This work will entail surface sampling the vein outcrop with a backhoe. Estimated time, about 1 week.

MCO will be involved with some road and drill site R & R at the Cleopatra near Alamo Lake, starting on or about 8/24/84. Estimated time on site, approximately 3 weeks.

I would like to make arrangements with you to do an emissions test on a loader at the Crown King Mine and a grounding test at the Gladiator Mine.

Please contact me so that we may set up a time that is convenient for you.

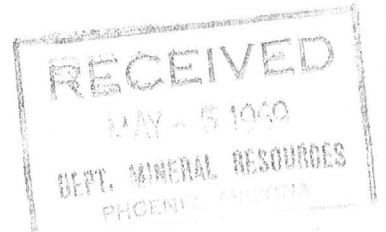
Sincerely,

Frank Montonati  
MCO

*Cleopatra*

ARIZONA-NEVADA MINING COMPANY

OSBORN PLAZA BUILDING  
222 WEST OSBORN ROAD  
PHOENIX, ARIZONA 85013



MURRAY A. SCHUTZ  
PRESIDENT

PHONE 266-5229

May 2, 1969

Mr. Frank P. Knight, Director  
Arizona Department of Mineral Resources  
Fair Grounds  
Phoenix, Arizona

Dear Mr. Knight:

I am enclosing a copy of our Offering Circular. If I had had plenty of time and money, I certainly would have taken on Mr. Benjamin Edlestein, Chief Engineer of the S.E.C. in Washington. Any time a person is as rude as he was to myself and Engineer Mike O'Leary, our Mining Engineer from Wickenburg, who was recommended by your department to me two years ago, and the detrimental remarks he made about the reports filed by Elgin B. Holt some years ago to the department you now head, is really "asking for it."

I would have taken it up with Senator Goldwater if time and money would have allowed, in which event I am certain Mr. Edlestein would probably have agreed to a number of things he made us exclude. The most obnoxious of the statements he made us include under H, Use of Proceeds, Page 10, "Funds for which there is no foreseeable need - \$128,365." This had been set aside for the equipment necessary to outfit the Cleopatra and for working capital if development justified. Even the Regional Office of the S.E.C. thought this was very rough on us. They had read all the reports submitted, and particularly Mr. Pennikamp, head of the Regional Office in San Francisco, had read the reports sent to your office by the late Elgin B. Holt of 1940 and 1942 when shipments were being made.

I would not have accepted Mr. Edlestein's changes if I had had before me at that time an Offering Circular he approved a year ago in July which showed even a larger percentage of the money unallocated. In that instance, a statement said that if the proposed development work was not successful, then the excess funds would be used to acquire and explore other mining properties. I now also find an Offering Circular on which an allocation of over \$100,000 is reserved for rehabilitation of a mill on a property that has been shut down for many years if such new development work is successful.

What probably provoked Mr. Edlestein more than anything else was the fact that we submitted Xerox copies of the Strong & Harris shipments to the old Clarkdale smelter, and we had in our possession while in Washington the actual original tissue settlement sheets of their shipments to the former Clarkdale smelter covering the period February 1942 to January 1943. We also had the shipments made by David Strong and Jackson (who, as Mr. Earl Strong said, "is no kin of mine"). These shipments also went to the former Clarkdale smelter of Phelps-Dodge. In addition, we had a letter from Reed Welch of AS&R as to the shipments they had received at Hayden from the Cleopatra Mine.

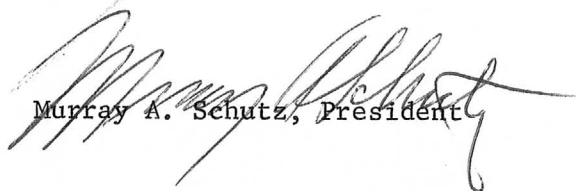
5/2/69

Engineer Mike O'Leary had written a very conservative report on the Cleopatra, but when you have a person who has been in the same position for 33 years and has turned into a Czar, it is very difficult at times to get him to be reasonable in his objections. What particularly I objected to is that there seems to be no uniformity in what a person is allowed to say compared to former approvals. The changes he requested us to make, or threatened to keep us there for weeks, have not helped in our underwriting. However, I believe that our underwriters will be able to sell the entire issue well within the allotted time.

I want to thank you and Ted Johnson for the help and consideration you have given me. It is just two years since I really began in earnest to finance and develop the Cleopatra.

With very best regards, I remain

Sincerely yours,



Murray A. Schutz, President

MAS/ag  
Encl.

P.S. If you read the Offering Circular carefully, you will notice under "Ownership", Page 5, our next payment to the owners was due on May 1. However, the lease contract gives a minimum extension time of 30 days.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine ' Cleopatra (Cu, Au) Date August 9, 1960  
District Owens, Mohave County Engineer Travis P. Lane  
Subject: Visit to property June 15, 1960.

Property: See file

Ownership: W. Stewart Thompson, 2141 W. 83d St., Los Angeles, California.

Operator: James F. Tearney, 2342 N. Ritchie Blvd., Tucson, is conducting the work as a personal venture under a lease-option agreement with the owner. He is also managing the St. Jude Mining Co. operations at the Sally Ann Mine some 5 miles south of the Cleopatra. Two men are working in the old pit sorting ore for shipment.

Since this visit it is reported that one low grade shipment has been made.

MEMO

November 16, 1960

CLEOPATRA CLAIMS

Travis P. Lane

At the time of visit the lessees, Bob Burns and Jim Tearney, were on the property, also a brother of Tearney. They were directing performance of location work on 42 claims which they had recently staked on the boundaries of the 7 patented Cleopatra claims. Their interest in all the ground is optioned to Chas. R. Kimes and Robt. T. England, owners of the adjoining large group of Lucky Strike claims.

The property has recently been the subject of much big company and individual investigation: Banner, Inspiration, Duval, etc. Bob Burns reports that Inspiration's sampling returned: 1.83% Cu, 0.12 oz. Au, and 0.18 oz. Ag. Miami was due to examine the ground next day.

May 27, 1957

✓  
CLEOPATRA  
MOHAVE COUNTY  
OWENS MINING DIST.

Since being operated by David R. Strong, in 1944 -  
Morton Moores obtained a lease in 1955 and shipped  
a few cars - operation unprofitable and terminated -  
property has been examined by several major companies  
in past several years.

MARK GEMMILL



GENERAL INFORMATION RE:  
CLEOPATRA MINING CLAIMS

1. These claims are located in Township 11 North, Range 14 West, Gila and Salt River Base and Meridian, Section 4 and 9 Mohave County, in the Owens Mining District.
2. There are seven patented claims, 124 lode claims, all on Federal Land.
3. From Congress Junction, proceed to the Kingman cutoff, than about 4 miles north, turn left at sign 38 miles to the Alamo Crossing. This is all excellent improved dirt road. Cross Bill Williams River at Alamo and follow a less improved, but passable road to the property, around 9 miles.
4. The area covered is approximately 2600 acres.
5. The prevailing rock formations are Diabase, Limestone, quartz, Magnetite, and Schist.
6. Ore bearing minerals are malachite, chrysocolla, azurite, cuprite, with some sulfides.
7. The deposit is exposed on strike about 600 feet. North average width about 500 feet. The deposit is therefore amenable for open pit mining on a production of 5000 tons per day or more.
8. Tonnage has been estimated at 150,000 tons per foot of depth. In the past production has made, but we do not have exact figures.
9. The property lies just West of what is known as the Artillery Peak area, all being highly mineralized. The property is not incorporated, there are no incumbrances that we know of and the Title to the unpatented claims lies in Robert Burns and James Tierney.
10. The type of deal suggested is; Detailed exploration and drilling program, with sufficient time for scientific determination, with some cash and/or interest.
11. Elmer F. Welch and Dwight L. Solomon, 1338 West Thomas Road, Phoenix, Arizona, submit this information, Mr. Solomon acts as attorney for Mr. Welch, and Mr. Welch acts as agent for owners above named.
12. This property is about 25 miles west of the Colorado River and about 6 miles north of the Bill Williams River. According to newspaper reports, Congress has recently authorized the building of dams on the Bill Williams River south and a little east of the property which will impound a great deal of water. Likewise, a road has been surveyed to run from Yucca to Wenden, located on the Wickenburg, Blythe highway.
13. Assets and reports indicated a large tonnage of 10 to 15 dollar ore, the property is much more accessible than the usual large prospective deposits and as indicated the water situation is favorable.

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007

March 17, 1967

*Shutz Room 604*  
Mr. Murray A. Shutz  
127 122 Montgomery Street  
San Francisco, California 94104

Dear Mr. Shutz:

The reports of the four men whose names you gave me over the phone this morning were in part whole incorporated in a prospectus of Cleopatra Copper and Gold Mines Co. More specifically, they are, again in whole or in part, pages 9 to 31 of a report on the above company compiled by Warner & Nelson of Phoenix in early 1917.

The portion by J. R. Adams is in pages 9-10.  
That by Byron O. Pickard is in pages 11-14.  
That by H. A. De Rudio is in pages 15-18.  
The complete report of C. H. James, dated March 16, 1917 is in pages 19-31. It gives his address as 9 Central Building, Phoenix.

We have no other knowledge of any of these men.

Enclosed are a photocopy of page 283 of The Mines Handbook - 1924, and copy of a report by Elgin B. Holt dated September 29, 1942.

Strong and Harris, an old trucking firm of Silver City, New Mexico, and for many years, including the present, shippers of smelter flux, operated the Cleopatra from 1942 to 1944 under the premium price plan. A few cars were shipped by a Morton Moores in 1955 and a low grade shipment was reported to our field engineer in 1960.

The Cleopatra claims have been the subject of much big company, small company and individual investigation. The property was idle when visited by us last September.

If we can be of further help on this, please write us.

Sincerely,

FRANK P. KNIGHT,  
Director.

FK:p  
Encs.



Parker, Arizona,  
August 9, 1943

MEMORANDUM

To: Charles F. Willis  
From: Elgin B. Holt  
Subject: Cleopatra - Strong & Harris

Referring to your letter of July 30th, I note you state that Strong & Harris tell you very definitely that they still have an option on Cleopatra and at the same time W. Stewart Thompson is trying to get them off and lease it to Dr. Payne Palmer, etc. That it is evident there is going to be a mix-up.

Kindly be advised that yesterday I had a long interview with David R. Strong, here in Parker. While he was in full charge of operations at Cleopatra last year, he is in no way related to the Strong of Strong & Harris. He was merely employed by them to carry on the work.

David R. Strong tells me that Strong & Harris abandoned Cleopatra last Spring and moved off of it and even they notified Thompson that they were giving up their lease. Later on, Harris had a talk with Dickie, of the Vulture mine, I believe, and thought he could make a deal with him re- Cleopatra. Strong & Harris were paying Thompson 5% royalty; so Harris approached Thompson and tried to get the property back on a 2.5% royalty and then farm it out to Dickie for 5%. Thompson refused. Then David R. began dealing with Dr. Payne Palmer; but this deal fizzled out. Then David R. made a deal with Lee Richardson and Fred Hohman, his present associates, and this new syndicate is now in possession of the property and are now building an access road ~~from~~ to it from Silver Field, which they have also taken over.

Attached hereto is a copy of my news item regarding the operations now being started by David R. Strong and associates; said news item being mailed by me to our Phoenix office today.

Elgin.

cc - J. S. Coupal

Washington, D.C.  
July 19, 1943

REPT. MINERAL RESOURCES  
RECEIVED  
JUL 22 1943  
PHOENIX ARIZONA

SUBJECT: Cleopatra Mine  
Dr. Palmer

This was a Heaven sent example, as I am going to be able to use it as another illustration of intolerable delays.

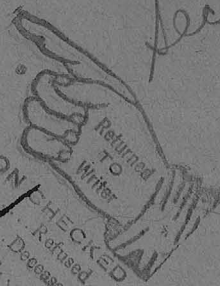
As a matter of fact, the Copper Division have this set up and ready to go by June 7th, which was not so bad, and the rest of the delay has been the usual Quota Committee and OPA dilatory tactics.

The case is now leaving Batchelder's desk and should go to Metals Reserve tomorrow.

I raised Hell about it.

Bill Broadgate

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
304 HOME BUILDERS BUILDING  
PHOENIX, ARIZONA



REASON CHECKED  
Returned to Writer  
Unclaimed  
For better address  
Moved, Left no address  
No such office in state  
Refused  
Deceased

*second report 8/12*

*W. Stewart Thompson  
2141 W. 81st St  
L.A.*

PHOENIX  
AUG 5  
8 PM  
1943  
ARIZ.

Mr. D. R. Strong  
Yucca  
Arizona

*Cleopatra*



MEMORANDUM

JULY 17, 1943

From: W. C. Broadgate

To: J. S. Coupal

Subject: ADVANCED PREMIUM COPPER - CLEOPATRA MINE - DR. H. P. PALMER, PHOENIX  
(Arizona Lead Company)

I have just talked with Dr. Palmer regarding his application for an advanced premium on the Cleopatra Copper Mine. His application was made on May 27th, and on June 10th he was informed that the Quota Committee would give it consideration. No word has been received since.

The Cleopatra Copper is located in southern Mohave County, rather close to the Bill Williams River. It has a large tonnage of low grade copper, a siliceous ore in demand by the smelters. Operations have been carried on but the property can not show a profit on the 17¢ price, and Dr. Palmer is asking a 27¢ price. He has a contract and is prepared to finance operations so as to ship 300 tons per day; 200 to the Clarkdale smelter and 100 to the Hayden plant. This ore is low grade and has a long haul to the railroad; can keep a steady tonnage moving if an adequate premium is granted.

Dr. Palmer is awaiting a decision from the Quota Committee before he signs the contract calling for the above shipments.

I believe this is worthy of your early attention.

J.S.C.

November 19, 1943

Mr. Stewart Thompson  
Kingman, Arizona

Dear Mr. Thompson:

I have submitted a report on your property, the Cleopatra, to A. M. Riedesel, who, I believe, will be acting as a broker with particular clients looking for a good sized copper property.

Yours very truly,

J. S. Coupal, Director

JSC:LP

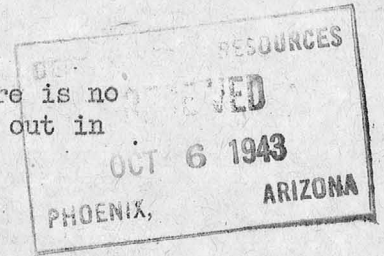


Washington, D.C.  
Oct. 3, 1943

C

SUBJECT: Cleopatra Mine premium transfer

This has been OK'ed by the Quota Committee and if there is no further hitch should be finally OK'ed and notice sent out in two or three days.



Bill Broadgate

September 23, 1943

Mr. Lynn Hersey, Assistant Chief  
Primary Production, Copper Division  
War Production Board  
Room 1652, Temp. R Bldg.  
Washington, D. C.

Dear Mr. Hersey:

I am enclosing a copy of a letter which has been sent to Landon F. Strobel, Quota Committee, regarding a transfer of the advanced premium on the Cleopatra Mine from the Arizona Lead Corporation to Strong and Richardson.

I believe you are fully acquainted with the problems connected with the operation of the Cleopatra Mine and anything you can do to expedite the transfer of this advanced premium will be highly appreciated by the operators.

Yours very truly,

J. S. Coupal, Director

JSC:LP  
Enc.

CC: W. C. Broadgate



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine CLEOPATRA COPPER MINE

Date September 29, 1942

District Owens, Mohave Co.

Engineer Elgin B. Holt.

Subject:

LESSEES: Strong & Harris, Vanadium, New Mexico; David R. Strong, Superintendent, Yucca, Arizona.

METALS: Copper and gold.

LOCATION:

This property is located in Mohave County, 54 miles south of Yucca and 15 miles northwest of Alamo Crossing on the Williams River. Property belongs to Stewart Thompson, et al, Kingman, Arizona, and is leased to Strong & Harris, of Vanadium, New Mexico. I visited the Cleopatra property on June 3, 1942, and interviewed the Superintendent, David R. Strong. At that time, six men were employed, including truck drivers.

PRODUCTION

Production started around February 15, 1942, open pit mining being carried on and copper-gold ore shipped to the Clarksdale smelter, where such ores are needed for fluxing purposes. To June 3, 1942, 24 car loads of ore had been shipped, averaging: copper, 2.5%; gold, 0.12 ounces; silica, 85%; iron, 3%; lime, 10%; and alumina, 2%.

OPERATING COSTS AT GLEOPATRA, per David R. Strong:

Mining & loading, per ton of ore shipped-----	\$0.50
Truck haul to Yucca, per ton of ore shipped-----	2.50
R. R. Freight to Clarksdale, per ton of ore shipped-----	1.25
Smelting charges per ton, incl. silica credits-----	1.75
Royalty to owners per ton of ore marketed-----	.25
<hr/>	
Total operating and marketing costs -----	\$6.25

NOTE: As the ore averages about \$9.00 per ton, it is evident a net profit should be made; but due to poor roads, I understand trucking costs have been determined to be quite excessive. Also, as Lessees are planning to make shipments of this fluxing ore, via Alamo Crossing and Wenden to the Hayden smelter, a bridge at Alamo, now being proposed as an access road project, would facilitate such shipments. The distance from Cleopatra to Wenden is 45 miles as against 54 miles from this mine to Yucca. However, it is now rumored here in Kingman that the Manganese Ore Company is planning to start active work at the Artillery Peak manganese holdings, with a view to putting in a huge reduction works near this property. Should this materialize, the said company will no doubt arrange to pave the Yucca Alamo-Wenden road to a point between Artillery Peak and Cleopatra. Such a road would reach a point 6 miles east of Cleopatra and about the same distance west of the Artillery Peak Properties, and, hence, would serve both properties, to which branch roads would be built.

ESTIMATED ORE RESERVES AT CLEOPATRA

Around 600,000 tons of ore have been developed at Cleopatra by test pits and diamond drill holes, estimated to assay 2.5% copper; 0.12 ounces gold; 85% silica; 3% iron; 10% lime; and 2% alumina. The said ore deposit occurs in blanket form, from 10 to 20 feet thick, with no overburden; hence, mining costs by quarrying can be held at a low figure, as above set forth.

PROBLEMS

The main problem at this property is the lack of good roads, as above discussed, and steps are now being taken to remedy this situation, in whole or in part, by the construction of the ALAMO ACCESS ROAD PROJECT, consisting mainly of the proposed bridge below Alamo Crossing, as well as the improvement of the Yucca-Alamo-Wenden road. Also, this property, carrying low copper values as it does, would be considerably benefitted by a higher price for copper. However, if road conditions could be improved materially, this property could produce 300 tons of ore per day of the above grade.



DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine CLEOPATRA

Date January 3, 1940.

District Owens, Mohave Co.

Engineer Elgin B. Holt,  
P. O. Box 288,  
Kingman, Arizona.

Subject:

SYNOPSIS REPORT

- OWNER: Stewart Thompson, Kingman, Arizona.
- METALS: Gold and copper; copper of minor importance; gold predominating.
- LOCATION: Property is located 60 miles southeasterly from Yucca, and is reached from that point by a county maintained dirt road to within three miles from property; thence by a passable hilly traversed road to mine. Area, 7 patented claims.
- VEIN: Ore occurs in a blanket vein 12 feet thick of silicified limestone and a considerable area of this vein is exposed on the surface by erosion; and said exposed area is developed by a number of long open cuts for sampling and no ore has been removed from dumps, except short lots of better grade ores. Mr. Thompson estimates the said exposed developed vein area to contain 1,500,000 tons, averaging \$3.00 gold per ton and 2% copper; gold being free and copper in the form of silicate and carbonate. Formation on foot wall is schist and hanging is limestone, at points where the vein dips under the same; said covered area being extensive. I made no measurements; but I rather think, from walking over the ground and estimating distances that Thompson's estimate of tonnage of exposed ore too high. Possibly there are about 500,000 tons exposed. But Mr. John Moore, who is leasing at property and taking out \$16.00 ore from cuts and croppings, informed me he had found the said blanket vein exposed in a canyon wash about one mile north of property and at another place  $\frac{1}{4}$  mile westerly. Hence, future development should uncover many times the amount of ore now in sight.
- WATER: An ample supply of water could be secured for a large milling operation from the Williams River, 8 miles southwesterly from mine.
- METALLURGY: Ordinarily the associated copper carbonate and silicate in the ore could be recovered by acid leaching and the tails from leaching operations could be treated and the gold recovered by cyanidation. However, while the ore is highly silicious, it is likely that there may be enough residual lime accompanying the ore to be very troublesome in a leaching operation.

In short, if and when an economical milling operation could be worked out, whereby a high recovery of the gold and copper values in Cleopatra ores can be recovered, unquestionably considerable money could be made, providing such an operation is adequately financed and expertley managed.

TABULATION OF SMELTER SHIPMENTS FROM CLEOPATRA--1942/1943

Clarkdale Smelter

Strong and Harris

Date	Shipper Lot	Dry Tons	Au	Ag	Cu	SiO <sub>2</sub>	Fe	CaO	Al <sub>2</sub> O <sub>3</sub>
2/28/42	1	39.4515	.10	.11	2.02	84.2	4.10	2.40	0.80
4/2/42	2	81.3965	.08	.15	1.81	85.2	5.40	0.50	1.00
4/16/42	3	43.1540	.06	.38	2.27	81.8	5.50	1.10	0.90
4/17/42	4	51.6880	.11	.60	1.75	80.6	5.70	2.00	1.00
5/2/42	5	42.2975	.095	.535	2.42	78.5	5.50	2.80	1.30
5/7/42	6	185.0980	.14	.305	2.08	82.9	4.50	2.10	0.90
5/16/42	7	100.0820	.1375	.4.5	1.83	80.0	4.40	4.30	0.90
5/26/42	8	105.1275	.10	.435	1.97	82.8	4.50	3.10	0.90
6/2/42	9	114.2065	.12	.29	1.93	83.6	4.40	2.10	0.80
6/9/42	10	113.6320	.115	.31	2.00	80.0	4.50	4.30	1.00
6/16/42	11	95.7530	.105	.325	1.75	83.1	4.00	3.00	0.80
6/24/42	12	194.0285	.30	.18	1.95	84.4	4.30	1.20	1.00
6/30/42	13	84.7440	.255	.20	2.06	84.0	5.10	1.10	1.30
7/3/42	14	135.6920	.29	.19	2.22	80.8	5.10	2.80	1.70
7/25/42	15	47.8075	.11	.17	1.94	76.0	5.00	5.70	1.40
8/3/42	16	83.6655	.5125	.18	1.77	67.0	6.00	9.70	1.60
8/22/42	17	42.4510	.3175	.775	1.80	70.6	4.80	9.80	1.30
8/28/42	18	96.7430	.15	.185	1.86	71.0	6.20	7.00	2.00
9/6/42	19	42.8175	.12	.27	1.99	65.0	7.40	7.50	2.60
9/11/42	20	48.0210	.1175	.20	1.46	72.0	6.30	5.70	3.70
9/14/42	21	44.4215	.0775	.11	1.87	75.4	4.80	5.90	1.50
9/17/42	22	46.9655	.105	.115	1.76	76.2	5.20	5.20	1.90



Strong and Harris (continued)

Date	Shipper Lot	Dry Tons	Au	Ag	Cu	SiO <sub>2</sub>	Fe	CaO	Al <sub>2</sub> O <sub>3</sub>
9/22/42	23	100.0845	.1725	.185	1.92	69.0	6.20	8.20	2.10
9/29/42	24	46.3420	.065	.18	2.30	76.4	5.60	4.50	1.30
10/5/42	25	43.9360	.1125	.18	2.25	73.8	6.10	5.00	1.70
10/10/42	26	42.2730	.1025	.10	2.20	71.8	6.40	5.00	2.90
10/27/42	27	45.1640	.14	.185	1.51	73.3	4.00	7.00	8.40
11/12/42	28	46.9555	.15	.15	1.09	70.2	4.10	8.30	1.50
11/17/42	29	114.7050	.22	.10	1.05	62.3	6.20	10.50	3.10
11/21/42	30	58.0535	.11	.06	1.11	62.9	5.20	11.50	2.30
11/25/42	31	51.8135	.25	tr	0.66	57.6	5.90	12.10	4.00
12/3/42	32	114.9590	.10	.04	0.67	47.7	6.20	19.30	2.80
12/15/42	33	49.5030	.145	.10	0.75	51.3	5.60	18.60	2.40
12/18/42	34	150.8960	.155	.21	1.55	73.4	5.70	5.00	2.30
12/27/42	35	101.761	.085	.18	0.90	56.9	5.70	15.00	1.70
1/1/43	36	45.6375	.13	.07	0.89	58.9	4.70	14.10	2.10
1/8/43	37	56.1430	.12	.08	1.12	63.2	5.30	12.00	2.30
total		2899.8860 tons	.1621	.2205	1.704	74.1	(weighted averages)		

Strong and Jackson

2/5/43	1	98.9305	.08	.22	1.54	78.2	not reported		
2/5/43	2	157.6820	.08	.26	1.52	83.4			
2/5/43	3	154.0090	.09	.18	1.47	76.8			
2/12/43	4	56.4575	.10	.27	1.59	78.1			
2/12/43	5	109.5185	.16	.26	1.66	76.1			
2/13/43	6	52.5920	.14	.25	1.71	75.1			
2/18/43	7	97.6735	.05	.19	1.68	82.5			

Strong and Jackson (continued)

Date	Shipper Lot	Dry tons	Au	Ag	Cu	SiO <sub>2</sub>	Fe	CaO	Al <sub>2</sub> O <sub>3</sub>
3/25/43	8	60.0235	.19	.16	2.15	82.4			
4/13/43	9	85.6795	.06	.13	2.39	73.3			
total tons 872.566			.09896	.2139	1.6937	78.72	4.85	4.0	1.5
			(weighted averages)				(reported averages)		

Summary

total tons									
3772.452	Au	Ag	Cu	SiO <sub>2</sub>					
	.1475	.219	1.702	75.1					

Note: Moisture in all shipments averaged around 1.25%



NEWS ITEM

Bouse, Arizona, August 10, 1943. - A syndicate headed by David R. Strong, Bouse, Arizona, has secured leases and options on the following mining properties: the Cleopatra mine, located in the Owens Mining District, Mohave County, and belonging to W. Stewart Thompson, and associates, 2141 West 81st Street, Los Angeles, California; the Silver Field mine, also located in the Owens Mining District, Mohave County, on the north side of the Williams River, 30 miles north of Bouse, with which point it is connected by a dirt road; the Diana May property, located 30 miles northeast of Bouse in Yuma County. The last two mines mentioned belong to Sidney B. Moeur, et al, of Phoenix, Arizona.

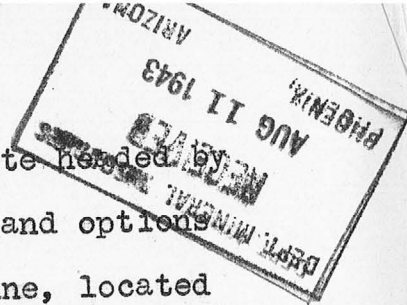
Associated with Strong in this operation are Lee Richardson, President, Desert Chemical Company, Dale Lake, California, and Fred Hohman, Master Aircraft Parts, Los Angeles.

Both the Cleopatra and Silver Field mines are huge surface deposits of highly silicious copper ore, Cleopatra containing gold and Silver Field silver values in the ore.

Strong has taken up his residence in Bouse and has already started shipping ore from Silver Field to Clarkdale, as he has a contract with Phelps Dodge Corporation to supply 300 tons daily of fluxing ores from the three mines mentioned.

He is also improving the road from Bouse to Silver Field and next week will start building a new road, with Access Road money, from Silver Field to Cleopatra, 8½ miles northeast of the former property.

Ore from the three properties referred to will be hauled to Bouse, a station on the Santa Fe Railroad, by means of seven Sterling Diesel trucks, 3 of which will haul 20 tons each and the other 4 30 tons each. Ore will be mined by open pit methods and power shovels



at both Silver Field and Cleopatra. At the present time, per Mr. Strong, one Diesel caterpillar loader will be installed at Silver Field and put in operation while the Access Road is being completed to Cleopatra. This new road will also make accessible a number of smaller copper mines in the area ~~around~~ between the two properties mentioned and ores from these mines will can be shipped to Bouse instead of to Wenden or Yucca, thereby shortening the distance from some of these mines to the railroad.

Also, Strong is planning to build an aerial cable tramway over the Williams River at Mildred Crossing on the Williams River, opposite Silver Field, with ore bins on each side of the river. In this way from the mines to Bouse in the event of floods and high water, transit of ore will not be held up at the river mentioned.

*Elgin B. Holt*  
Elgin B. Holt.

cc - Charles F. Willis

CLEOPATRA COPPER MINE, Mohave County, Arizona. Strong & Harris,  
Lessees, Vanadium, New Mexico.

This open pit mine has produced 24 cars of ore between February and June 1942 averaging in analysis as follows:

Copper 2.5% - Gold 0.12 oz. - Silica 85%

Operating and marketing costs have averaged \$6.25/T. There are various estimates, as high as 600,000 tons, of developed ore of the above grade.

Road conditions to rail points are abominable and restrict production. The proposed Alamo Crossing road project, supported by the Department, would alleviate this problem. With better roads, high priorities, and very little additional labor above the present crew of six men, this property could possibly maintain a production of 9,000 tons per month, or 225,000 pounds of copper.

Some financial aid for procurement of slight additional equipment might be needed, but the main equipment items including a power shovel are now on the premises.

It will be noted the ore is of marginal profit at the current price and premium on copper. As no single smelter would wish to contract for the entire production of the mine the shipments would have to be split between Clarkdale, Hayden, International and Douglas, thereby entailing greater freight costs. This will tend to neutralize some of the hauling savings which result from road improvements. Therefore, the operation will continue as marginal unless there is some change in the price of copper.

Report by Earl F. Hastings, October 9, 1942, to Copper Branch, War Production Board.



June 3, 1942

mp

DEPT. MINERAL RESOURCES  
RECEIVED  
JUN 8 1942  
PHOENIX, ARIZONA

OPERATING MINES  
Mohave County

To; J. S. Coupal  
From: Elgin B. Holt

CLEOPATRA MINE: Located in Mohave County 54 miles south of Yucca, from which point it is reached by a county maintained dirt road to within six miles of property; thence by a very poor but passable dirt road to property:

LESSEES: Strong & Harris, Vanadium, New Mexico. David R. Strong, Supt., Yucca, Arizona.

METALS: Gold and copper. Six men employed, including truck drivers.

PRODUCTION: Started work on February 15, 1942, shipping silicious fluxing ore to the Clarkdale Smelter. To June 3, 1942, 24 cars of ore have been shipped averaging: Copper, 2.5 per cent; gold, 0.12 ounces; silica 85 per cent; iron, 3 per cent; and lime 10 per cent; also aluminum, 2 per cent.

OPERATING COSTS, per David R. Strong:

Mining & loading, per ton of ore shipped -----	\$0.50
Truck haul to Yucca, per ton of ore shipped -----	2.50
R. R. freight to Clarkdale, per ton of ore shipped -----	1.25
Smelting charges per ton, incl. silica credits -----	<u>1.75</u>
Total operating costs per ton ore shipped -----	\$6.00
Plus royalty to owners -----	<u>.25</u>
	Total -----
	<u>\$6.25</u>

As ore averages from \$8.50 to \$10.00 per ton, it is obvious a profit is being made.

EQUIPMENT: Consists of: One-half yard power shovel; 105-foot Compressor; two International 6-ton trucks, and one 8-ton Diamond-T truck.

INCREASED PRODUCTION: On June 8, 1942, plan to put on eight additional trucks, with capacity of ten tons each, in which event a part of production will be shipped to the Hayden Smelter, via Wenden.

ESTIMATED ORE RESERVES: 600,000 tons; ore occurring in a blanket deposit with no overburden.

EBH



SPECIAL

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine CLEOPATRA Date January 3, 1940  
District Owens, Mohave Co. Engineer Elgin B. Holt  
P.O. Box 288  
Subject: Kingman, Arizona

S Y N O P S I S R E P O R T

OWNER: Stewart Thompson, Kingman, Arizona.

METALS: Gold and copper; copper of minor importance; gold predominating.

LOCATION: Property is located 60 miles southeasterly from Yucca, and is reached from that point by a county maintained dirt road to within 3 miles from property; thence by a passable hilly traversed road to mine. Area, 7 patented claims.

VEIN: Ore occurs in a blanket vein 12 ft. thick of silicified limestone and a considerable area of this vein is exposed on the surface by erosion, and said exposed area is developed by a number of long opencuts for sampling and no ore has been removed from dumps, except short lots of better grade ores. Mr. Thompson estimates the said exposed developed vein area to contain 1,500,000 tons, averaging \$3 gold per ton and 2% copper; gold being free and copper in the form of silicate and carbonate. Formation on foot wall is schist and hanging is limestone, at points where the vein dips under the same; said covered area being extensive. I made no measurements, but I rather think, from walking over the ground and estimating distances that Thompson's estimate of tonnage of exposed ore too high. Possibly there are about 500,000 tons exposed. But Mr. John Moore, who is leasing at property and taking out \$16 ore from cuts and croppings, informed me he had found the said blanket vein exposed in a canyon wash about 1 mile north of property and at another place 1/4 mile westerly. Hence, future development should uncover many times the amount of ore now in sight.

WATER: An ample supply of water could be secured for a large milling operation from the Williams river, 8 miles southwesterly from mine.

METALLURGY: Ordinarily the associated copper carbonate and silicate in the ore could be recovered by acid leaching and the tails from leaching operations could be treated and the gold recovered by cyanidation. However, while the ore is highly siliceous, it is likely that there may be enough residual lime accompanying the ore to be very troublesome in a leaching operation.

In short, if and when an economical milling operation could be worked out, whereby a high recovery of the gold and copper values in Cleopatra ores can be recovered, unquestionably considerable money could be made, providing such an operation is adequately financed and expertly managed.

DEPARTMENT OF MINERAL RESOURCES

TYPE NO. 1

STATE OF ARIZONA

FIELD ENGINEERS REPORT

PRODUCTION POSSIBILITY SURVEY

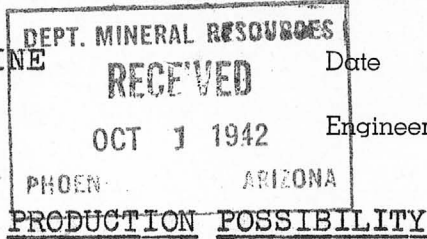
Mine CLEOPATRA COPPER MINE

Date Sept. 29, 1942.

District Owens, Mohave Co.

Engineer Elgin B. Holt

Subject:



LESSEES: Strong & Harris, Vanadium, New Mexico; David R. Strong, Superintendent, Yucca, Arizona.

METALS: Copper and gold.

LOCATION

This property is located in Mohave County, 54 miles south of Yucca and 15 miles northwest of Alamo Crossing on the Williams River. Property belongs to Stewart Thompson, et al, Kingman, Arizona, and is leased to Strong & Harris, of Vanadium, New Mexico. I visited the Cleopatra property on June 3, 1942, and interviewed the Superintendent, David R. Strong. At that time, six men were employed, including truck drivers.

PRODUCTION

Production started around February 15, 1942, open pit mining being carried on and copper-gold ore shipped to the Clarksdale smelter, where such ores are needed for fluxing purposes. To June 3, 1942, 24 car loads of ore had been shipped, averaging: copper, 2.5%; gold 0.12 ounces; silica, 85%; iron 3%; lime, 10%; and alumina, 2%.

OPERATING COSTS AT CLEOPATRA, per David R. Strong:

Mining & loading, per ton of ore shipped -----	\$0.50
Truck haul to Yucca, per ton of ore shipped -----	2.50
R. R. freight to Clarksdale, per ton of ore shipped ----	1.25
Smelting charges per ton, incl. silica credits -----	1.75
Royalty to owners per ton of ore marketed -----	.25
<hr/>	
Total operating and marketing costs -----	\$6.25

NOTE: As the ore averages about \$9.00 per ton, it is evident a net profit should be made; but due to poor roads, I understand trucking costs have been determined to be quite excessive. Also, as Lessees are planning to make shipments of this fluxing ore,

via Alamo Crossing and Wenden, to the Hayden smelter, a bridge at Alamo, now being proposed as an access road project, would facilitate such shipments. The distance from Cleopatra to Wenden is 45 miles as against 54 miles from this mine to Yucca. However, it is now rumored here in Kingman that the Manganese Ore Company is planning to start active work at the Artillery Peak manganese holdings, with a view to putting in a huge reduction works near this property. Should this materialize, the said company will no doubt arrange to pave the Yucca-Alamo-Wenden road to a point between Artillery Peak and Cleopatra. Such a road would reach a point 6 miles east of Cleopatra and about the same distance west of the Artillery Peak properties, and, hence, would serve both properties, to which branch roads would be built.

#### ESTIMATED ORE RESERVES AT CLEOPATRA

Around 600,000 tons of ore have been developed at Cleopatra by test pits and diamond drill holes, estimated to assay 2.5% copper; 0.12 ounce gold; 85% silica; 3% iron; 10% lime; and 2% alumina. The said ore deposit occurs in blanket form, from 10 to 20 feet thick, with no overburden; hence, mining costs by quarrying can be held at a low figure, as above set forth.

#### PROBLEMS

The main problem at this property is the lack of good roads, as above discussed, and steps are now being taken to remedy this situation, in whole or in part, by the construction of the ALAMO ACCESS ROAD PROJECT, consisting mainly of the <sup>proposed</sup> bridge below Alamo Crossing, as well as the improvement of the Yucca-Alamo-Wenden road. Also, this property, carrying low copper values as it does, would be, <sup>considerably</sup> ~~materially~~ benefitted by a higher price for copper. However, if road conditions could be improved materially, this property could produce 300 tons of ore per day of the above grade.



*copy*  
G. CARMAN RIDLAND  
Geological Engineer

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3600 NORTH CENTRAL AVENUE  
PHOENIX 12, ARIZONA

CLEOPATRA COPPER AND GOLD MINING PROSPECT  
OWENS MINING DISTRICT, MOHAVE COUNTY, ARIZONA

INTRODUCTION:

The writer visited the Cleopatra Copper-Gold prospect with Mr. E. L. Cleveland, President, of the Cleopatra Copper and Gold Mining Co. Inc. on May 16, 1964, and has examined reports on the property by J. R. Adams, Bryon O. Pickard, H. A. deRudio, and C. R. James. The company of which Mr. Cleveland is President, has acquired the 7 patented Cleopatra lode mining claims and 100-plus adjoining claims, and other acquisitions were in progress.

LOCATION:

The property is located in Sections 4 and 9, Township 11 North, Range 14 West, SRBM, Owens mining district, Mohave County, Arizona. The 7 patented claims are described legally under U. S. Survey No. 3573. The property is 110 miles northwest of Phoenix and 63 miles south and slightly east of Kingman, Arizona.

ACCESS:

It is reached from Phoenix by motor vehicle by driving 51 miles northwest on U. S. 70 to Wickenburg, thence on state route 93 a distance of 20 miles in the same direction, thence northwest on a gravel road 43 miles to a crossing on the Bill Williams River at the dam site. The road continues northwest from this point and the property begins 6 miles from the crossing and continues for approximately an additional 6 miles.

A new paved highway from Henden, Arizona, north to the dam site, is now under construction. When completed, the best route from Phoenix will be to continue west from Wickenburg 30 miles on U. S. 70 to Henden, thence,

*copy*  
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3600 NORTH CENTRAL AVENUE

PHOENIX, ARIZONA

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A new paved highway from Henden, Arizona, north to the dam site, is now under construction. When completed, the best route from Phoenix will be to continue west from Wickenburg 30 miles on U. S. 70 to Henden, thence,

north 45 miles to the crossing.

GENERAL GEOLOGY:

The rocks of the immediate area consist mainly of pre-Cambrian schists with erosional remnants of Paleozoic limestone resting on the schists.

MINERALIZED OCCURRENCES:

A large exposure of quartz was observed containing disseminated carbonates and silicates of copper. At one location on the property the dimensions of the exposure are approximately 600 by 1200 feet and the formation continues under overburden to the north and west. It is apparently eroded away to the east, but continues indefinitely to the southeast. Steeply dipping chlorite schist is exposed in a wash to the west of the quartzitic mass.

Two quarries in the mineralized area expose the third dimension of the formation to a depth of approximately 20 feet and the bottom of the formation has not been penetrated in either cut. Assuming the occurrence to be lenticular, that is, to pinch out to zero from the thickest point, the average known depth may be assumed to be 10 feet. A block 600 by 1200 feet, in place, would contain approximately 600,000 tons.

The grade of this mass of mineralized material should be obtained by a systematic program of drilling. Such a program will also determine the depth and lateral extent of the mineralization.

Shipments of ore from the quarries apparently went to the American Smelting and Refining Company at Hayden, Arizona. Smelter settlement sheets show shipments made in September through December, 1954; December 1955, through May 1956; and in July of 1960. They indicate a fairly consistent grade of crude copper-gold ore having been shipped. The highest and lowest copper assays are 2.29% and 0.78%, respectively, and, for gold, 0.21 oz. per ton. To .02 Oz. per ton.



Silver ranges from a high of .28 to a low of 0.16, but was too low to be of any value in the settlements. The average of 1,450 tons was approximately 1.37% copper and 0.091 oz. per ton gold. At today's smelter prices (copper .32¢ per pound and gold \$32.3185 per oz.) the ore would have an average value at the smelter of \$9.14 per ton.

Undoubtedly the pits were selected in better than average areas of the deposit, so the above grade cannot be expected to be the average of the entire deposit. Nevertheless, it appears to the writer that a very substantial tonnage of commercial grade copper-gold ore can be substantiated by a program closely spaced, vertical, shallow, drill holes.

The writer was shown a number of similar, mineralized occurrences at widely spaced locations on the property. Two of these showings were highly impressive and drilling programs are undoubtedly justified for them. In one, copper mineralization occurred in a relatively flat-lying schist; in the other, copper appeared to be in a silicious replacement of a limestone similar to the first deposit described.

#### ORIGIN OF THE MINERALIZATION:

The weathered surface of the mineralized deposit is buff-colored and ribbed in a manner very characteristic of limestone. Breaking through the weathered surface, however shows the material to be hard, brittle fine-grained quartz containing disseminated copper minerals. This particular occurrence, therefore, appears to be a replacement of a limestone bed by mineralized, silicious material. Smelter settlement sheets show silica to range between 70 and 85% and lime to range between 2 and 15%.

#### CONCLUSIONS:

The property held by the Cleopatra Copper and Gold Mining Co. Inc.

is one of unusual merit. A large tonnage of copper-mineralized ground that can be exploited by open-pit methods is already exposed on the Cleopatra claim. It can be developed by shallow drilling. Two similar showings also exist that warrant drilling. The property is considered unusual for reason that the risk of proving one or more large, commercial ore bodies by drilling is almost non-existent.

Reported:

*G. C. Ridland*  
G. C. Ridland  
Registered Professional Geologist  
State of Arizona (No. 5087)

May 18, 1964