



CONTACT INFORMATION

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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 12/17/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: CINNABAR MINE

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 102

LOCATION: TOWNSHIP 2 N RANGE 20 W SECTION 9 QUARTER NE
LATITUDE: N 33DEG 32MIN 11SEC LONGITUDE: W 114DEG 19MIN 15SEC
TOPO MAP NAME: CUNNINGHAM MTN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

MERCURY
COPPER OXIDE
GOLD LODE
SILVER
LEAD
MOLYBDENUM

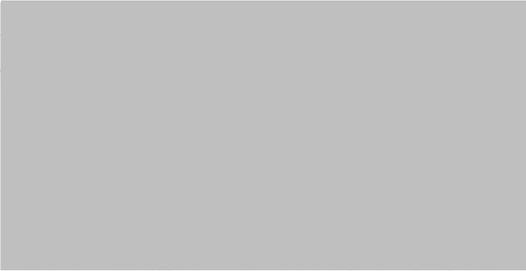
BIBLIOGRAPHY:

KEITH, S.B., 1978, AZBM BULL. 192, P. 156
ADMMR CINNABAR GROUP FILE
AZBM BULL 122, P 32
USBM IC 8252, P 67
USBM IC 8236, P 135
BLM MINING DISTRICT SHEET #470-B
ADMMR CINNABAR MINE COLVO FILE

CINNABAR GROUP

YUMA COUNTY

Owner Harry L. Coleman c/o Yuma Title & Trust Company, Yuma. Father died.
FPK 7-31-41



*History of Mines in Yuma Co.
by H. M. Butler 400 7/1928*

CINNABAR GROUP

YUMA COUNTY

Dean Aglietti lessee at the Cinnabar Group (old Colonial) Hg mine, was in about a retort. He wants to get a secondhand one for 40-50 tons a day. Bill Edelman previously mentioned that the ore reserves were low grade and in no serious amount. LAS WR 4-13-62

David Jones, Sacramento Division, U.S. Army Engineers, was in for a visit and said that they had been looking over the Cinnabar Group and Copper Giant Mines, both of which are located in the Yuma Test Station. He said that the Copper Giant is owned by B.M. Reynolds and Mrs. Goldie Thompson, both of Parker. LAS WR 5-3-63

Dean Aglietti, who is purchasing the Cinnabar Group (Colonial) south of Quartzsite reported that the Yuma Test Station wants to lease the claims since they are in the Test Station Withdrawal. Dean, at present, does not want to lease them but would sell. LAS WR 6-30-64

Dean Aglietti, General Delivery, Reno, Nevada, who is buying the Cinnabar Group south of Quartzsite, was in to state that he wanted finances to install a retort there. Richard F. Harless, Atty., 1218 N. Central, Phoenix, is his legal representative. LAS WR 1-29-65

Reference: ABM Bull. 122, p.32
IC 8252, p.67
" 8236, p.135

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Colonial - Cinnabar Group Date September 8, 1960
District Dome Rock (LaPaz-Quartzsite) - Yuma Co. Engineer Lewis A. Smith
Subject: Interview with William Kaiser - Quartzsite

Mr. Kaiser stated that a 65 ft. drift he drove on the 600' level, showed 2 feet of good cinnabar ore. The cinnabar along with quartz, was disseminated in blebs, veinlets and specks in the vein fault gouge. This ore carried 10 pounds of quicksilver per ton. He said water was now up to about 140 ft. from the surface. He also stated that between the two shafts a shoot was mined over 100 feet of length, a width of 2-3 feet and was about 60 feet high. This averaged $1\frac{1}{2}$ - $3\frac{1}{2}$ percent quicksilver. The shoot trended generally in a NW-SE direction but NS cross fractures were also mineralized for a short distance out from the vein. The retort was not too successful in handling the ore because of leakage of the quicksilver gases and too high a temperature in the condenser tubes. He felt that there was considerable quantity of fair ore remaining in the mine. The country rock is mainly quartz-mica schist. The vein follows a fracture which strikes N 53° W and dips nearly vertically. The geology is described in U.S. Geol. Survey Bull. 451 pp. 82-84 and the Annual Report of the U.S. Geol. Survey, 1901, p. 663.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine Colonial Mine - Cinnabar Group Date March 3, 1960
District Dome Rock (LaPaz) Dist., Yuma Co. Engineer Lewis A. Smith
(also called Quartzsite Dist.)
Subject: Interview with Dean Aglietti, who has optioned the mine.

3

28

General Location: T. 2 N., R. 20 W., Secs. 3-4, 8-9. By road 12 miles S of Quartzsite on the Yuma to Quartzsite highway and thence 4 miles west.

Owners: Jack/G. Fisher and Leta/Fisher, both of Yuma.

John Leta E.

Optionee: Dean Aglietti, Box 1224, Reno, Nevada.

Property: 5 patented claims.

Work: See Arizona Bureau of Mines Bull. 122, June 1, 1927, pp 23-35, by Carl Lawson and E. D. Gardner.

Geology: Same reference.

Comment: Mr. Aglietti has a lease-option agreement and plans to reconstruct the last 4 miles of road and to sample the openings above the 130' level (or water level) by securing 2-3 tons of sample and having it retorted. This should give a fair sample of the ore in place. Several channel samples taken, so far, show a considerable tonnage of ore averaging 10 pounds to the ton (0.50% Hg). If such an average is obtained from the general sample, Anglietti will install a retort. Previously, according to Anglietti, about 2000 tons of ore was treated and this yielded about 125 flasks of mercury in 1908, 16 flasks later on were produced from December 1908 to early 1914. According to these figures the indicated average grade retorted was 5 pounds per ton. The ore treated during 1913-14 was 7.2 pounds (according to Bull. 122).

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

SPECIAL

Mine CINNABAR GROUP.

Yuma, Arizona,
Date 7/18/39.

District 12 miles S. W. of Quartzite.

Engineer Elgin B. Holt.

Subject: Mercury.

SYNOPSIS REPORT

Owner: Clement H. Colman, 28 Second Street, Yuma, Arizona.
Group consists of 5 patented claims. MS 2123

Formation consists of Sericitic schists, quartzite and conglomerates of sedimentary origin.

Historical: Colonial Mining Co. operated property until 1908, after which it was taken over and worked by the Cinnabar Development Company, which worked the mine until 1914. Property closed down by the State mine inspector due to faulty timbering.

Mine Workings: Shaft on vein, which is nearly vertical, 640 feet. Seven levels on vein from shaft in ore, or vein material. Lowest level is run 400 feet from shaft. Ore comes in shoots and lenses. Main shoot 8 ft. to 12 ft. wide by 60 ft. long. Workings now caved.

Retorts - production: First furnaces were made of adobe; later a Johnson-McKay retort was installed; and still later a large Scott furnace with 6 condensers was erected and put into operation for a short time only. This latter retort recovered 7.2 pounds of mercury per ton of ore treated, some "quick" being absorbed by furnace.

Production: During 1908, 140 flasks of mercury were produced from adobe furnaces. For the years 1913-14, inclusive, 386 flasks of mercury were produced from the other retorts mentioned.

Property has all the ear-marks of a mine out of which considerable money could be made, if properly financed, equipped and managed.

The above notes were copied by our engineer from a report by Frank P. Baldi, Consulting Engineer, Room 510, 321 West 3rd Street, Los Angeles, California, dated April 9, 1938; said report being on file in Mr. Colman's office in Yuma.

Terms: Property open for negotiations.



STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX 7, ARIZONA



April 6, 1962

Mr. Vernon Wright
County Recorder
Courthouse
Yuma, Arizona

Dear Vernon:

We have been notified that the Old Colonial (or Cinnabar) claims (5 in number) are owned by a John Fisher and a Mrs. Carter. We would like to get their full names and addresses. I understand that they have paid the current taxes.

Thanking you for your help, I remain

Sincerely,

Lewis A. Smith

LEWIS A. SMITH
Field Engineer

LAS/H

*Grace S. Fisher and 1/2 interest.
John G. & Leta E. Fisher - and 1/2 interest
805 19th St.
Yuma, Ariz -*

U.S. B.S. 451-8

*Cancelled
Group*

e

March 4, 1943

Mr. W. B. Gohring
325 Heard Building
Phoenix, Arizona

Dear Mr. Gohring:

I am returning herewith copies of letters relative to the R. W. Waterman application, Docket No. ND-8055.

The circumstances surrounding this application have been peculiar from the very first. Mr. Waterman came in to the office with his application and wanted me to state that this Department would recommend the loan. At the time we had all of our field engineers in for a conference and I was unable to give the application consideration and advise him as to what, if any, data was lacking. I suggested that he file the application and when it was returned to the Department for review, we would notify him of any discrepancies and give him an opportunity to obtain such information as was necessary before we would express an adverse opinion to your office.

We called upon Mr. Waterman after receiving the docket (January 7) and told him what, in our opinion, would be necessary for him to do before he could hope for favorable consideration of his loan application. Mr. Waterman had told us that some of the stopes were open and with the help of one man he would be able to obtain some samples which would represent the ore in which he was interested for immediate mining. He stated that the following day he was leaving Phoenix with a man to do this sampling. The docket was held until January 25 and no further information was received. Consequently, we reported on the basis of the docketed information and our conclusion is, I believe, as optimistic as could possibly be expressed on the basis of that information.

It is unfortunate that a part of the \$2000 which Mr. Waterman claims to have lost on the property was not expended in obtaining a few representative samples which at most would have required two days time.

My own feeling in the matter is that if his interest was not any more intense than is indicated by his action, he has little, if any, reason to object to a review of his application.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine CINNABAR GROUP, Mercury Date January 24, 1943
District Weaver Engineer Earl F. Hastings
Subject: Reconstruction Finance Corporation ✓
 Preliminary Development Loan

Docket No. C-ND-Phx 124
Date Application Received January 7, 1943
Date of Field Examination July 18, 1939 (Holt)
Date of Report January 24, 1943

1. Name and address of applicant (correspondent):
 - ✓ R. W. Waterman, Blythe, California.
2. Character of project and estimated cost thereof:
 - ✓ Mercury. Make accessible main shaft and laterals as far as possible with the funds allotted. \$5,000.
3. Location of property:

Dome Rock Mountains, 15 miles south of Ehrenberg, Yuma County, Arizona.
4. Applicant's interest in or ownership of property:

Applicant has three year lease from December 21, 1942 at 10 per cent royalty with option to purchase at \$40,000.
5. Loan requested:

\$5,000.
6. Loan recommended:

None.
7. Comments:
 - (A) Added to the docket are:
 - 1 - Brief report by Elgin B. Holt, Field Engineer for the Department of Mineral Resources, dated July 18, 1939.
 - 2 - Letter to applicant from E. B. Hart (Justice of the Peace, Quartzsite, Arizona) and W. A. Simpson.
 - (B) Reference is made to Arizona Bureau of Mines, Bulletin No. 122, Mineral Technology Series No. 29, entitled "Quicksilver Resources of Arizona", dated June 1, 1927.
 - (C) There is considerable conflict in statements of the applicant (supported by Hart and Simpson) and published information on the property. Basing possibilities on the more optimistic of the opinions expressed does not materially alter the final estimate of value of the property.

This application has been held by the Department of Mineral Resources to enable the applicant to obtain additional supporting evidence. Aside of the letter referred to in "A"-1, such addition has not been made. The writer expressed

January 24, 1943

the opinion verbally to the applicant that favorable action by the R.F.C. would undoubtedly require substantiated specific facts as to widths and values of ore which, the applicant stated, could be reached and sampled in the upper stopes. In the absence of further information the report of F. P. Baldi appears the most recent and specific of the data presented.

(D) Values given by Baldi representing the ore on the 100 foot level are 2.5, 4.9 and 3.6 pounds per ton -- an average of 3.7 pounds per ton.

Tonnage available above the 100 foot level as estimated by Baldi is 12,000. He states that above the 50 foot level the ore is extensively stoped, therefore, it must be concluded that the block above the 100 and below the 50 foot level constitutes the greatest proportion of available ore. The average width of this ore is 10 feet and the length is 60 feet. This block, therefore, contains approximately 2,000 tons of ore. The difference between this tonnage and the 12,000 tons estimated by Baldi cannot be reconciled by any known additional possible or probable blocks.

(E) The ground is known to be of the "swelling" type. It is quite probable that little, if any, of the shaft below the water level could be reopened at a reasonable cost, and there is no indication that other than a completely stoped ore shoot would be found following reopening.

(F) It therefore appears that evaluation must be based on a small block of low grade ore which is insufficient to warrant a loan.

(G) There are other favorable undeveloped outcrops, both on extensions of this vein and on parallel veins. These are beyond the reasonable development limits from the shaft and cannot qualify for the purpose of this review. The negative recommendation given is, then, in reference to the feasibility of reopening the main shaft and workings and not to be construed as expressing the entire property as useless from a future production standpoint. On the contrary, it is possible that exploration and development in the area may expose ore shoots with brighter prospects than the history of the shoot in question. Considerable such work would need be accomplished with private capital before qualifying for R.F.C. aid.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Assistant Director
and Projects Engineer

D. C. M. SERVICES
RECEIVED
JAN 14 1942
PHOENIX, ARIZONA

H.
C

January 12, 1943

CINNABAR REPORT,
Yuma County.

MEMORANDUM

I note you are unable to locate my report on the Cinnabar group later than the one made by me in 1939. Also you ask me to send you my file copy of this group and you will make an office copy and return my copy to me.

The only report ever made by me on this property is the one made in 1939, which I take it you have. To make sure, however, I am mailing you my file copy, which kindly return at your convenience.

ERH.

January 11, 1943

MEMORANDUM

CINNABAR GROUP

TO: Elgin B. Holt

FROM: Earl F. Hastings

I am unable to locate your report on the Cinnabar Group later than the one you made in 1939.

I believe that this report was brought out for inspection when you were in Phoenix on your last trip and during the time that Mr. Waterman was in the office.

Will you please send us your file copy of the Cinnabar Group report. We will make office copies and return your copy to you.

October 13, 1942

Henry F. Colman
18 Second Street
Yuma, Arizona

Dear Mr. Colman:

This will acknowledge your letter of October 12 relative to the Cinnabar mine.

The government does not, of course, acquire or operate mining properties. They do finance them under certain conditions for owners or lessees. There are three types of loans made on mining properties to promote production. The first loan, is a General Mining Loan for developed properties with an assured productive life. The second is a Development Loan for properties where there is a sufficient showing to warrant expenditure and further work along productive veins. The third or Preliminary Loan is for the purpose of making accessible old workings which are caved or under water. It is specifically stated that none of the loans shall be used for the purpose of exploring or prospecting.

I have studied the data on your Cinnabar mine as it is given in the Arizona Bureau of Mines Bulletin No. 122. From this I gather that only one ore shoot, having a 35 foot length and a 2 foot width, has been mined, and that to a depth of approximately 600 feet. The rake of this shoot is quite flat and with each station of the shaft the drift to the shoot must be longer. In as much as there is only 500 tons of ore to be developed for each 100 feet of depth, and since that ore, according to this report, yields only 5 to 7.2 pounds of mercury per ton or a value of \$12.50 to \$18.00 it would not seem economical to consider the reopening of this old working shaft; therefore, the Preliminary Loan could not be applied to your problem.

It is further noted that the vein can be traced for over 4000 feet on its strike and that there are specimens of ore at widely separated points along this vein. If there are any favorable locations for new development and these locations are indicative of a similar shoot to that one already mined, it might be possible to obtain a Development Loan more commonly known as the "B" loan. I say it might be possible for the reason that such work could easily be considered as prospecting or exploration rather than development even though the property at other points has a production record. The interpretation of this point

Henry F. Colman

-2-

10/13/42

might be influenced in direct ratio to the importance of quicksilver production. Right at the moment quicksilver production is not particularly critical.

If you wish to make application for such a loan you should write to the RFC Mine Loan Division, 325 Heard Building, Phoenix and ask them to supply you with application forms for the Development Loan. If you did not care to obtain the loan yourself or enter into the operation of the property you should get some other party who would be interested in operating to sponsor the loan. A lessee is eligible for "B" and "C" loans as they entail no lien upon the property itself. The operator you can get to make the application should be some reliable person or company with mining experience. You might possibly interest some of the operating quicksilver producing companies such as the Ord Mercury Mines, Arizona Quicksilver or Pine Mountain Quicksilver Company.

The loan possibility is the only way I see which might be a means of getting your property into production, however bear in mind that, as I have previously stated, the work to be accomplished might be considered as exploratory and any loan application unfavorably reviewed for that reason.

In the event that we can recommend any other means of helping you we will immediately let you know.

Very truly yours

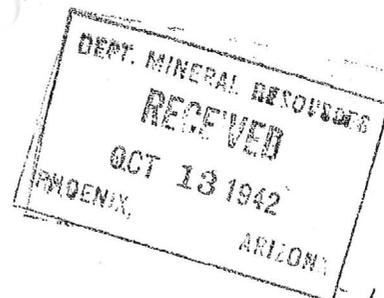
Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA

HENRY F. COLMAN

ATTORNEY AT LAW

YUMA, ARIZONA

October 12th
1942

Mr J. S. Coupal
Director, Dept. Mineral Resources,
Home Builders Bldg.,
Phoenix, Arizona.

Dear Sir;-

Owing to the need for strategic metals, I am wondering whether the Government might be interested in an old Cinnabar property and have been told that you might be able to enlighten me.

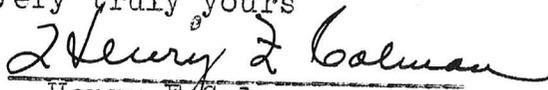
The property is the patented group named the Cinnabar mine, located near Quartzsite, Arizona, which are mentioned in Circular No. 9 dated April 1941, compiled by Eldred D Wilson, geologist of the Arizona Bureau of mines. In this circular he states:

"Total production from the property was estimated at 116 to 156 flasks of quicksilver, extracted with a 30 ton capacity Scott tile furnace and a 3 ton capacity Johnson-McKay retort"

This mine has not been in operation since 1914, being shut down at that time because of faulty timbering.

Mr Clement H Colman, has been the owner, but he is now deceased, and the undersigned is the heir thereto. I would appreciate it, if you would advise me whether or not there is any possibility of the Government being interested.

Very truly yours


Henry F. Colman

file

SPECIMEN Q-8

Cabinet

Presented by

Section

Collected by

Shelf

Date received

Class (principal mineral) Cinnabar

Name of mine or claim

Other minerals Mercury

Group Cinnabar

District Dome Rock

Gangue Quartz

County Yuma

Depth at which specimen taken 500 feet

Location (distance and direction by highway
from what town)

Approximate mineral content (in terms of
average per ton) Mercury, retort heads

.5%
Quantity Value \$

Mine active or inactive

If inactive, when operated

Owner C. H. Colman

Operator

Notes: Mine worked up to 1914. 30-ton Scott furnace used to extract mercury

Mr. W. B. Gohring

Page 2

March 4, 1943

object to a review of the application

I do make exceptions to his statements concerning our disinclination to reverse recommendations. As you know, we get a great deal of pleasure out of reversing a negative recommendation and I feel that you and your staff do likewise.

At such a time as Mr. Waterman can present any information which would substantially alter or refute that which is given in his application, we would be more than glad to reconsider it with an open mind and his unfounded criticism of this Department and this would in no way influence our review.

Very truly yours,

Carl F. Hastings
Projects Engineer

enclosure objection to final office

Enclosures
I am enclosing herewith a copy of the application and the report of the review committee. I understand that the review committee has recommended that the application be referred to the office for a final decision. I am enclosing herewith a copy of the report of the review committee and the application. I am enclosing herewith a copy of the report of the review committee and the application.

application folder no. ND-2022

I am enclosing herewith a copy of the report of the review committee and the application.

Best W. Gohring

Projects Engineer
333 New York Building
New York, N. Y.

MAR 11 1943

4272 121-18
1178 121-18

January 24, 1943

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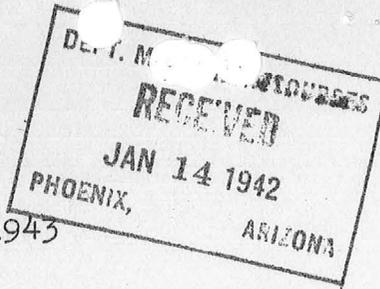
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January 12, 1943

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EPH

January 11, 1943

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C
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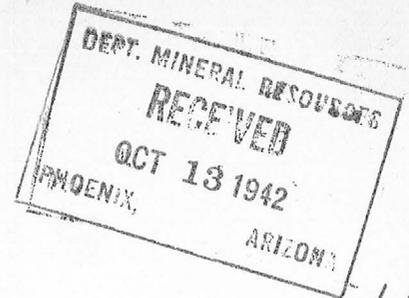
Earl F. Hastings
Assistant Director
& Projects Engineer

EFH:BA

HENRY F. COLMAN

ATTORNEY AT LAW

YUMA, ARIZONA

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"Total production from the property was estimated at 116 to 156 flasks of quicksilver, extracted with a 30 ton capacity Scott tile furnace and a 3 ton capacity Johnson-McKay retort"

This mine has not been in operation since 1914, being shut down at that time because of faulty timbering.

Mr Clement H Colman, has been the owner, but he is now deceased, and the undersigned is the heir thereto. I would appreciate it, if you would advise me whether or not there is any possibility of the Government being interested.

Very truly yours

Henry F. Colman
Henry F. Colman

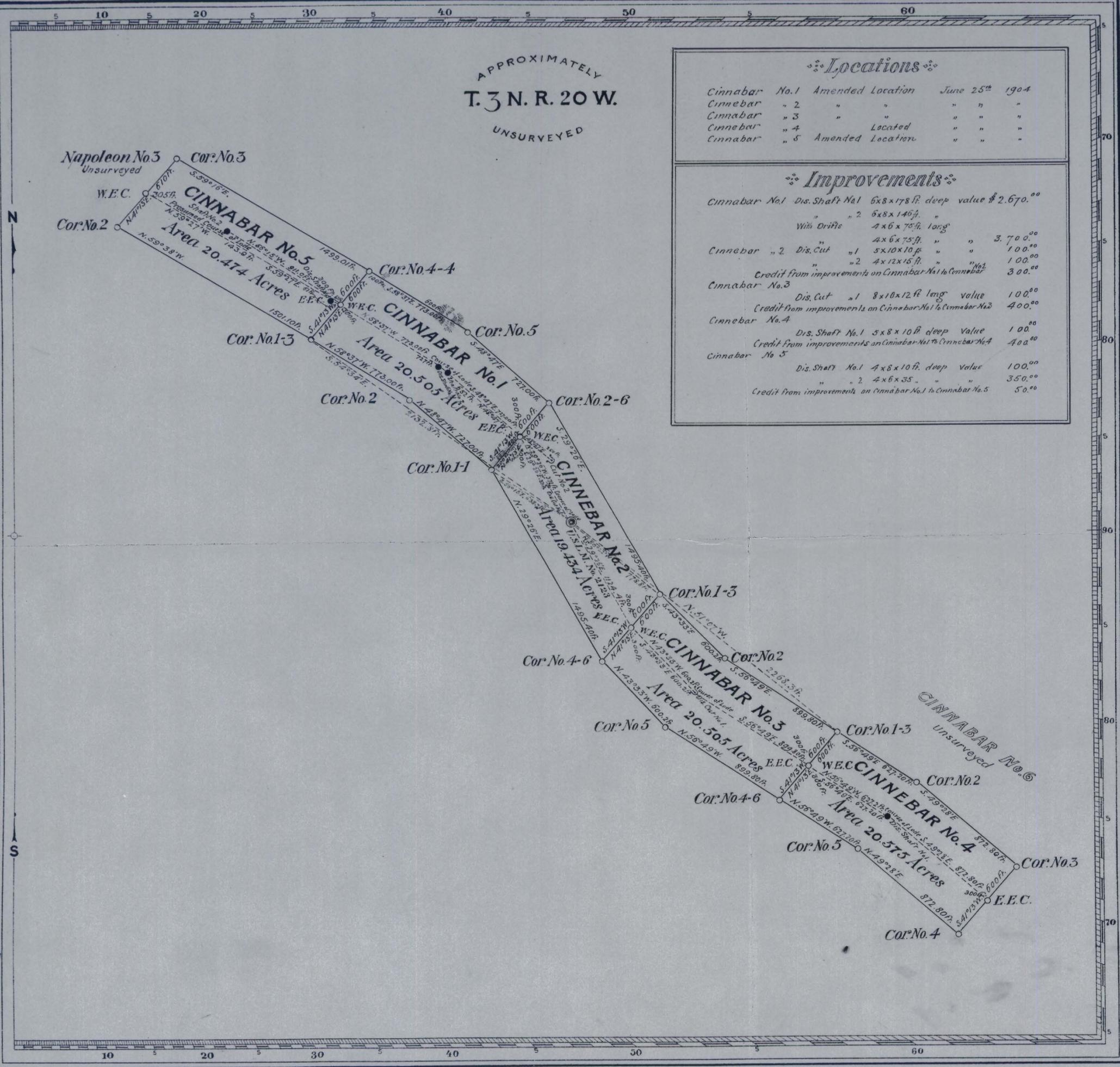
File

SPECIMEN Q-8

Cabinet Presented by
 Section Collected by
 Shelf Date received

Class (principal mineral) Cinnabar Name of mine or claim
 Other minerals Mercury Group Cinnabar
 District Dome Rock
 Gangue Quartz County Yuma
 Depth at which specimen taken 500 feet Location (distance and direction by highway
 from what town)
 Approximate mineral content (in terms of
 average per ton) Mercury, retort heads
 .5%
 Quantity Value \$ Mine active or inactive
 If inactive, when operated
 Owner C. H. Colman
 Operator

Notes: Mine worked up to 1914. 30-ton Scott furnace used to extract mercury



APPROXIMATELY
T. 3 N. R. 20 W.
UNSURVEYED

Locations				
Cinnabar	No. 1	Amended Location	June 25 th	1904
Cinnebar	" 2	"	"	"
Cinnebar	" 3	"	"	"
Cinnebar	" 4	Located	"	"
Cinnebar	" 5	Amended Location	"	"

Improvements				
Cinnabar No. 1	Dis. Shaft No. 1	6x8x178 ft. deep	value	\$ 2,670. ⁰⁰
"	" 2	6x8x146 ft.	"	"
"	With Drifts	4x6x75 ft. 10x8	"	3,700. ⁰⁰
Cinnebar " 2	Dis. Cut " 1	5x10x10 ft.	"	100. ⁰⁰
"	" 2	4x12x15 ft.	"	100. ⁰⁰
Credit from improvements on Cinnabar No. 1 to Cinnebar " 2				300. ⁰⁰
Cinnabar No. 3	Dis. Cut " 1	8x10x12 ft. long	value	100. ⁰⁰
Credit from improvements on Cinnabar No. 1 to Cinnabar No. 3				400. ⁰⁰
Cinnebar No. 4	Dis. Shaft No. 1	5x8x10 ft. deep	Value	100. ⁰⁰
Credit from improvements on Cinnabar No. 1 to Cinnebar No. 4				400. ⁰⁰
Cinnabar No. 5	Dis. Shaft No. 1	4x8x10 ft. deep	Value	100. ⁰⁰
"	" 2	4x6x35 "	"	350. ⁰⁰
Credit from improvements on Cinnabar No. 1 to Cinnabar No. 5				50. ⁰⁰

Claim Located 190

Mineral Survey No 2123

GILA Lot No Land District.

PLAT
OF THE CLAIM OF
COLONIAL MINING CO.
KNOWN AS THE

*Cinnabar No. 1, Cinnebar No. 2, Cinnabar No. 3
Cinnebar No. 4 and Cinnabar No. 5*

IN Weaver MINING DISTRICT,
Yuma COUNTY, Arizona

Containing an Area of 101.493 Acres.

Scale of 600 Feet to the inch.
Variation 14° 45' E

SURVEYED July 11th-17th 1905 BY

WILLIAM H. ELLIOTT U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of
Colonial Mining Co.

known as the
*Cinnabar No. 1, Cinnebar No. 2, Cinnabar No. 3
Cinnebar No. 4 and Cinnabar No. 5*

from which this plat has been made under my direction, have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, said Mining Claims by claimant or its grantors, and that said improvements consist of (See Table)

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. Frank S. Ingalls
Phoenix, Arizona U.S. Surveyor General for
Sept 7th 1905 Arizona