



## **CONTACT INFORMATION**

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PRINTED: 07-27-2012

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: TAURUS

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 574

LOCATION: TOWNSHIP 18 S RANGE 12 E SECTION 1 QUARTER SW  
LATITUDE: N 31DEG 53MIN 22SEC LONGITUDE: W 111DEG 04MIN 26SEC  
TOPO MAP NAME: TWIN BUTTES - 15 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:  
ZINC  
COPPER

BIBLIOGRAPHY:  
USBM REPORT FILE NO. 464.2/1412  
ADMMR TAURUS FILE

TAURUS CLAIM - sec 1, 185, 12 E

PIMA CO UNTY  
PIMA DIST.

See: "TWIN BUTTES GROUP COPPER MINES" Report in TWIN BUTTES MINE (file)

1. Gavin Ground
2. Twin Buttes Mining District, Pima County, Arizona
3. Mr. Gus Gavin
4. P. M. Hennon
5. Sometime in September, 1945
6. Copper
7. No merit to this property from surface croppings and work to date.
8. \_\_\_\_\_

MINERAL RESOURCES  
of Arizona  
ing, Fairgrounds  
, ARIZONA

PHOENIX  
AUG 8  
6:30 PM  
1958  
ARIZ.

RECEIVED  
AUG 19 1958  
DEPT. MINERAL RESOURCES  
PHOENIX, ARIZONA

*Not at Box 13*



Mr. Gus Gavin

~~Box 13, Roby Star Route~~

~~Tucson, Arizona~~

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

August 8, 1958

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

Taurus Claim (Pima County)	copper
(Property)	(ore)

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

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

*Frank P. Knight*

FRANK P. KNIGHT,  
Director.

Enc: Mine Owner's Report

RECONSTRUCTION FINANCE CORPORATION

WASHINGTON

325 Heard Building  
Phoenix, Arizona  
March 12, 1943

*Taurus Claim*

*H.*

Mr. Earl F. Hastings  
Department of Mineral Resources  
Phoenix, Arizona

Re: Docket No. ND-8063 Taurus Claim

Dear Earl:

You will recognize this application as covering the same property on which your office recommended no loan and which recommendation was concurred in by this office. I enclose correspondence from our own files with this application, which seems to justify in the eyes of the applicant the present new application.

He has submitted new data and assays, however, and I submit it to you again. After his first application I am a bit surprised at the assays he produces and I would suggest that possibly it might be worth while to have Mr. Ballam do some checking on where he got these. His first application certainly did'nt indicate any such ore showings as he now claims.

*W. B. Gohring*

W. B. GOHRING  
Supervising Engineer

WBG-G

Enclosures - Application with data  
and correspondence.



April 29, 1943

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

I have unofficial information that the Gavin application on the Taurus claim has been turned down over our recommendation. Likewise that of Harford on the Papago Chief Mine was turned down over our recommendation.

As stated, this is entirely unofficial but I thought you might like to know in case there are some repercussions.

C

March 16, 1943

MEMORANDUM

TO: George A. Ballam

FROM: Earl F. Hastings

Gus Gavin has again made application for a loan on his Taurus claims and has submitted four samples showing widths of five to eight feet of copper ore assaying  $3\frac{1}{2}$  to 6 percent.

We originally recommended this loan in the amount of \$2000, subject to the information which the RFC had in their possession on the adjoining Contention Mine. Washington apparently refused the loan in its total. Gohring is perfectly willing to reopen the application but does not know whether or not the samples were properly cut and questions whether Gavin would know how to cut a representative sample. Frankly, he even questions whether Gavin could operate the property at all. There is no use for me to return this docket with any kind of recommendation at the present time, so suggest you visit the property again at your earliest convenience and report.

If you consider it necessary, take a couple of samples to check Gavin and have them assayed by Jacobs.

January 27, 1943

MEMORANDUM

Taurus Claim  
(Gus Gavin)

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

Re application for "C" loan of Gus Gavin, Box. 13, Ruby  
Star Route, Tucson: H.

In the absence of any change in loan procedure, or types  
of loan available, this is a question of whether the property falls  
in the "B" or "C" classification.

There are two holes on the claim about 25 feet apart, one  
inclined at about 60° west on the vein and the other off in the footwall.  
The strike is generally north and south across the width of the claim,  
with limestone hanginwall on the west and garnet, quartzite and finally  
granite to the east. The holes are presumed to be 80 feet deep, dry,  
timber snatched and ground bad.

The dump shows some copper glance, although as far as can  
be seen the vein matter is highly oxidized copper over a width of about  
10 feet, with considerable oxidized zinc showing. It is the same outcrop  
as the Contention (Wm Foy's mine) shaft is in about 500 feet to the north.  
The old workings of the Senator Morgan are the same distance to the south  
and undoubtedly some of these extensive workings are in the same ore, but  
on account of inaccessibility of the latter, this is not so obvious.

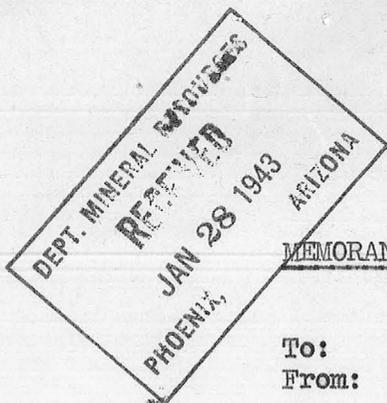
Wm. Foy turned this claim over to his old friend Gavin a year  
or so ago. Foy had too much other assessment work to keep up. He is  
enthusiastic about the Taurus and feels that it is one of the best prospects  
in the area. He has a drift in the Contention almost to the Taurus side-  
line on the 200. This is heavy zinc sulfide with some copper.

Mr. Hedges of the U.S. Bureau of Mines and Mr. Denton have  
no positive information but believe it is worthy of a little development  
on account of its proximity to good producers on either side. Their plans  
re drilling are rather indefinite and at present perhaps would be of no  
value to support loan application.

There is no question of title. <sup>RP</sup> If the ore on the dump came  
from the bottom of these holes, it would seem that there is some reason  
to warrant consideration for a development loan. It runs about 10% Cu  
according to assay, and looks like considerable glance, somewhat oxidized,  
is contained.

This is one of those borderline cases. The shafts are clearly  
inaccessible, but there is no definite history of any ore having been  
produced. Hedges said it should be worth a shot for a couple of thousand  
dollars. Rather indefinite to base anything on, but nothing much else to  
offer. Might suggest a \$2000 "B" loan if the "C" fails to materialize.  
The visible characteristics are the same as the Contention, which got  
a \$20,000 "B".

*George A. Ballam*



January 27, 1943

MEMORANDUM

SUBJECT: Taurus

TO: George Ballam

FROM: Earl F. Hastings

A letter from Mr. Gavin states that the application for preliminary development loan was made at your suggestion. I, therefore, presume that you have some information on the property.

I am holding this application as the substantiating data is incomplete and inconclusive.

If you do have any information, please send it along so that I may act one way or another on this property.

January 27, 1943

*Tucson Claim*

*C*

Mr. G. Gavin  
Ruby Star Route  
Box 13  
Tucson, Arizona

Dear Mr. Gavin:

This will acknowledge receipt of your letter of  
January 21.

We have your application under consideration at the  
present time and are only awaiting receipt of certain in-  
formation prior to returning the docket to the RFC with  
our comments.

Be assured that we will hasten this as soon as  
possible; however, we feel it to your advantage, as an  
applicant, to forward as much data as is possible for us  
to add to the information which you have already submitted.

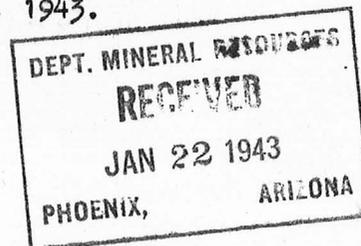
Very truly yours,

Earl F. Hastings  
Projects Engineer

EFH:KK

cc - Mr. George Ballam  
Box 495  
Tucson, Arizona

Twin Buttes, Arizona.  
January 21st. 1943.



Dept. of Mineral Resources.  
413 Home Builders Building  
128 North 1st. Ave.  
Phoenix, Arizona.

Dear Sir:-

At the suggestion of Mr. Ballam your Field Engineer I have mailed on January 1st. 43, applications for a Preliminary Development Loan plus Exhibits for the purpose of retimbering and reconditioning shafts and underground work on Taurus claim situated between the Morgan and Contention Mines at Twin Buttes. I would like to know what was done about this application since three weeks elapsed and I did not hear anything concerning same. Would you kindly favor me with a reply, for which please accept my thanks. I am

Sincerely yours

*G. Gavin*

G. Gavin.  
Ruby Star Rte. Box 13.  
Tucson, Arizona.

Taurus Claim

January 2, 1943

②

MEMORANDUM

TO: W. B. Gohring

FROM: Earl F. Hastings

Attached is a Preliminary Development Loan application received by mail this date from Mr. G. Gavin.

January 4, 1943

MEMORANDUM

TO: George A. Ballam

TAURUS CLAIM

FROM: Earl F. Hastings

Mr. Gus Gavin, Ruby Star Route, Box 13, Tucson, has made application on the above property. It endlines the Contention Mine and sidelines the Senator Morgan Mine.

We have no information on this property in our files and the data submitted is somewhat scanty. The applicant claims a 12 foot vein averaging 10 per cent copper. Owner presents only one assay certificate as evidence. He states that he located the claim July 1, 1941, but later states that the property is described in Mineral Survey No. 1030. This makes me wonder if the claim was actually eligible for location. I doubt if the application would receive a great deal of consideration in its present state.

The U. S. Bureau of Mines evidence some interest in undertaking some exploration. It is possible, therefore, that Mr. Hedges would have some information on the property. Mr. Hedges wrote the applicant on August 8, 1942 relative to this work.

January 4, 1943

MEMORANDUM

TAURUS CLAIM

TO: George A. Ballam

FROM: Earl F. Hastings

Mr. Gus Gavin, Ruby Star Route, Box 13, Tucson, has made application on the above property. It endlines the Contention mine and sidelines the Senator Morgan mine.

We have no information on this property in our files and the data submitted is somewhat sketchy. The applicant claims a 12 foot vein averaging 10% copper--owner presents only one assay certificate as evidence. He states that he located the claim July 1, 1941 but later states that the property is described in Mineral Survey No. 1030. This makes me wonder if the claim was actually eligible for location.

I doubt if the application would receive a great deal of consideration in its present state. The U. S. Bureau of Mines evidenced some interest in undertaking some exploration and it is possible therefore that Mr. Hedges would have some information on the property. Mr. Hedges wrote the applicant on August 8, 1942 relative to this work.



(D) The one sample cut by the applicant, as well as the observation of the Field Engineer for the Department of Mineral Resources, confirms mineralization of the vein on the Taurus Claim.

The extent, laterally and vertically, as well as true width and value of ore cannot be determined due to lack of development and incomplete information on such development as has been accomplished.

(E) It is difficult to understand the applicants object in desiring to sink on, and crosscut from, the vertical shaft. The more feasible program would seem to limit expenditure to the incline shaft and develop in ore.

The relationship of these shafts is confusing in that the information is conflicting. Ballam states that the vein dips  $60^{\circ}$  W and that the vertical shaft is in the footwall; if so a 70 ft. crosscut is necessary to reach the vein from the present shaft bottom and a 100 ft. crosscut would be necessary if the shaft were sunk an additional 50 ft. as the applicant desires. The cost of this work would exceed the applicants estimate considerably and is of questionable wisdom regardless of cost.

The map submitted by the applicant places the position of the vertical shaft SW of the incline shaft. If the vein dips  $60^{\circ}$  W, then the vertical shaft should have cut the vein at approximately the 60 ft. level (assuming collar elevations of both shafts are the same).

In either event, sinking the vertical shaft increases the distance from shaft to vein .6 ft. for each 1 ft. of depth.

(F) In view of the unusually favorable location of this claim it is suggested that the Wm. Foy docket on the Contention Mine be carefully studied in connection with this application in order to determine, if possible, if it would be practicable to expend sufficient money to reopen and investigate the 80 ft. incline shaft. This work should be accomplished with \$2000.00, the amount suggested by Mr. Ballam following a discussion with Mr. J. H. Hedges, Supervising Engineer, U. S. Bureau of Mines, Tucson, Arizona.

The property is little, if any, more than a prospect. It is possible that a better classification can be applied on the basis of results from development of the Contention Mine, 500 ft. to the north.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings  
Projects Engineer

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine TAURUS CLAIM, Cu. Date April 11, 1943  
District Twin Buttes Engineer Earl F. Hastings  
Subject: Reconstruction Finance Corporation Mining Loan

Docket No. ND - 8063  
Date Application Received March 12, 1943  
Date of Report April 10, 1943

1. Name and address of applicant (correspondent):  
Gus Gavin, Ruby Star Route, Box 13, Tucson, Arizona.
2. Character of project and estimated cost thereof:  
Copper. Rehabilitate 80 ft. incline shaft and equip for operation. \$5,000.00.
3. Location of property:  
Twin Buttes Mining District, Pima County, Arizona.
4. Applicant's interest in or ownership of property:  
Owner by location.
5. Loan requested:  
\$5,000.00.
6. Loan recommended:  
\$3,000.00.
7. Comments:  
(A) Reference is made to the report by this Department dated January 29, 1943 which is attached to the applicant's first application.  
  
(B) Subsequent data obtained by the applicant indicates commercial copper mineralization to a depth of 30 ft. in the shaft to be made accessible, at which point the shaft leaves the ore. The assays submitted are acceptable as evidence of ore; samples were cut by an experienced man, and the verbal report by G. A. Ballam, Field Engineer, Department of Mineral Resources indicates the values reasonable on the basis of visual examination.  
  
(C) The ore exposures are on and near the Contention vein which has been developed both laterally and vertically with favorable results. It is considered that the present exposures on the Taurus Claim, together with its favorable location in respect to productive properties is sufficient to justify this loan.  
  
(D) In as much as the incline shaft is not in the ore "chimney" at the bottom it is suggested that it not be thoroughly rehabilitated at this time but that all effort be applied to breaking ore northwest of the shaft. Should this chimney prove to be of consistent grade and size in the course of shallow mining further application could then be made for development at greater depth.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings  
Projects Engineer.