OCT 4 1951

Re: [illegible]-2102

Mr. [illegible] Galloway
[illegible] Electric
Colorado Springs, Colorado

Dear Mr. Galloway:

Your application for an exploration loan on property located in [illegible] County, Colorado, which was transmitted to us by Senators Johnson and Millikin, has been reviewed by the Atomic Energy Commission.

Further information is required before we can make a complete appraisal of your application. For this purpose, we have forwarded it to Mr. [illegible] East, Jr. Executive Officer, [illegible] Field Team, [illegible] Courthouse, Denver 2, Colorado for additional [illegible].

Very truly yours,

SIGNED

[illegible], Director
Supply Division

[illegible]:ewc:bbump
10-1-51
Copies to: J. [illegible] East, Jr. Region IV (2)
[illegible] Moonlight 4214 GSA
Chief, Lead-Zinc Br.
[illegible] Bishop
Director r. files 4214 GSA
Br. r. files 4214 GSA
Administrator r. file
[illegible] codes files

OCT 9 1951

350

OCT 8 1951

Re: [illegible]A-7102
Exploration application
from
Mr. A. B. Calloway
520 [illegible] Platte
Colorado Springs,
Colorado

Hon. Ed C. Johnson
Hon. Eugene D. Milliken
United States Senate
Washington 25, D. C.

My dear Senators Johnson and Milliken:

Mr. A. B. Calloway's application for an exploration loan, which you transmitted to the Defense Minerals Administration, has been reviewed. Some additional information is required before a complete appraisal can be made. We are, therefore, forwarding the application to Mr. J. H. East, Jr., Executive Officer, DMA Field Team, 274 New Customhouse, Denver, Colorado, and have recommended a field examination of Mr. Calloway's property.

We wish to thank you for forwarding the application.

Sincerely yours,

C. O. Mittendorf

Acting Administrator

LMNewcomb:emp
G 10-1-51
Copies to: Administrator
Deputy Administrator
J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Branch
R. T. McKnight 4204 GSA
G. M. Bishop
Directors r. files 4214 GSA
Dr. r. files 4214 GSA
Administrators r. file
DMA docket files

OCT 9 1951

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. ~~2102~~

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION LOAN

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	CODE 350 ~~Lead-Zinc Br.~~	Date	~~9-25-51~~
To:	Coal Loan	Date	10-2-51
To:	R & R	Date	
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

June 19, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration
Attention: Code 210

From: Field Team, Region IV

Subject: Final Report, DMA Docket 2102, (Lead-Zinc) Swiss Boy and Silver Crop Mines, Chaffee County, Colorado

Attached are four copies of the final report on DMA-2102.

The application was denied November 26, 1951.

W. H. King

W. H. King

A. H. Koschmann

A. H. Koschmann

JUN 23 1952

S.O.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Mining Division
Region IV

November 26, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 2102, A. B. Calloway, applicant; Swiss Boy and Silver Crop Lead-Zinc Mine, Chaffee County, Colorado

The application of the subject docket was for an exploration loan of $33,964.00.

The proposed exploration program consists of the rehabilitation of a 10-foot winze, sinking an additional 150 feet, and driving 300 feet raises.

The deposit consists of a strong quartz-calcite vein in intrusive quartz-monzonite porphyry. The vein varies in width from a few inches up to 3 feet. Mineralization consists of disseminated sphalerite and galena, but the vein is mostly barren of base metals.

Past production between 1880 and 1890 was mainly silver ore. A sample of sorted ore taken by an engineer of the Bureau of Mines in 1949 assayed 0.06 ounces of gold and 37.4 ounces of silver per ton, 0.23 per cent copper, 5.75 per cent lead, 14.5 per cent zinc, and less than 0.01 per cent antimony.

A. B. Calloway has only about one-third interest in the property, and submitted the application without consulting his partners, and is unable to participate in an exploration loan.

Due to the facts that the geological probability of discovery of commercial base metal ores is not favorable and that the applicant cannot participate in the exploration, the examining team recommends denial of the application, with which we concur.

A letter of denial has been sent to the applicant.

W. H. King

W. H. King, for
F. T. Allaman

Reviewed by
DMEA OPERATING COMMITTEE
6-27-52
(date)

WHKsfbs
cc: Management, Sal., Denver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Date Rec'd.

Building 20 Denver, Colorado
Denver Federal Center
November 16, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: LMA-2102, Swiss Boy and Silver Crop Mines, Chaffee County, Colorado

Please find enclosed eight copies of the subject Summary, Conclusions, and Recommendations by F. D. Everett, and H. T. Schaezberger and Engineering Report by Everett.

A. N. Kaschmann has indicated that no U. S. Geological Survey report other than a memorandum will be submitted on the docket.

According to Everett, Calloway, nor any of his associates, are able to participate in an exploration loan and apparently the associates were not consulted. If that is not sufficient reason for denial of the loan, lack of equipment, slight likelihood of making an ore discovery of any consequence, and inexperience of the applicant should be.

I concur with Everett's recommendation that the request be denied.

The brochure, review, and copies of the Senators letters submitted with the Field Team's instructions for examination are also enclosed. Evidently some of the data presented by the applicant contained in an envelope attached to the brochure should be returned to him. Your attention is called to your notation on the envelope.

W. M. Travers, Jr.
W. M. Travers, Jr.

enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-2406, Golden Boy and Silver Cloud Mines

Chaffee County, Colo.

F. D. Everett, Mining Engineer
Bureau of Mines

H. T. Schlumberger, Geologist
U. S. Geological Survey

November 15, 1951

Engineering

SWISS BOY AND SILVER CROP MINES
CHAFFEE COUNTY, COLO.
A. B. CALLOWAY, APPLICANT

Summary, Conclusions, and Recommendations

By F. D. Everett
Mining Engineer
Bureau of Mines

and

H. T. Schasebarger
Geologist
U. S. Geological Survey

SWISS BOY AND SILVER CROP MINES
CHAFFEE COUNTY, COLO.
A. B. CALLOWAY, APPLICANT

SUMMARY, CONCLUSIONS, and RECOMMENDATIONS

By F. D. Everett and H. T. Schaeffer

A. B. Calloway applied for a 75 percent Government participation exploration loan for $33,964.00 to raise and sink on the vein and to recover some removed backfill ores at the Swiss Boy and Silver Crop Mines, Chaffee County, Colo. The ore was reported to contain antimony. The property comprises two claims in the La Plata Mining District, 13 miles west of Granite, Colo.

The Swiss Boy tunnel was driven on a quartz-calcite vein in tertiary quartz monzonite porphyry. The Swiss Boy and a few other mines near Winfield, an abandoned mining camp a mile from the Swiss Boy, have yielded silver ores in the past, mainly before 1900. The only mineral observed was in a 4-inch wide vein which contained disseminated sphalerite and galena. A sample of the sorted high-grade ore taken from the shipping bin assayed less than 0.01 percent antimony.

The mine would have to be completely equipped. Calloway, who has 36.41 percent of the ownership of the claims, is the only one of three co-owners who has indicated any willingness to participate in an exploration loan on the property. Calloway stated he is financially unable to participate in either a 75 or 50 percent Government exploration loan.

The loan accordingly cannot be recommended for approval.

BALSAM BOY AND SILVER CROP MINES
CHAFFEE COUNTY, COLO.
A. B. CALLOWAY, APPLICANT

Engineering Report

By J. D. Everett
Mining Engineer
Bureau of Mines

ENTER BOX AND SILVER CROP MINES
GRAFTON COUNTY, OHIO.
A. B. GALLOWAY, APPLICANT

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ILLUSTRATIONS

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SWEET BOX AND SILVER CROP MINES
CHAFFEE COUNTY, COLORADO

EXPLORATION REPORT

By

F. D. Everett

INTRODUCTION

A. R. Calloway, 520 West Platte Street, Colorado Springs, Colorado, applied for a Defense Minerals Administration exploration loan, Docket [illegible], for $33,[illegible].00 or less, 75% percent Government participation, to rehabilitate, sink 100 feet of winze and drive 300 feet of raises. Part of the loan is to finance the work of topping backfill ore in the discovery shaft. The ore values are in gold, silver, lead and zinc. Ambiguity is reported to exist and the 75 percent Government participating loan is based on this assurance.

ACKNOWLEDGEMENTS

Mr. Calloway was very co-operative and courteous in showing his property. R. T. Schneebeger, Geologist for the U. S. Geological Survey, accompanied the Bureau of Mines engineer on the examination.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The property is 13 miles by road west of Granite, Chaffee County, Colorado in Sec. 28, T. 12 S., R. 82 W., 6th P.M. It is reached by travelling west up Clear Creek canyon on county road 120 beginning from U. S. Highway 24 about 1 mile south of Granite. The property is in the La Plata Mining District (Fig. 1).

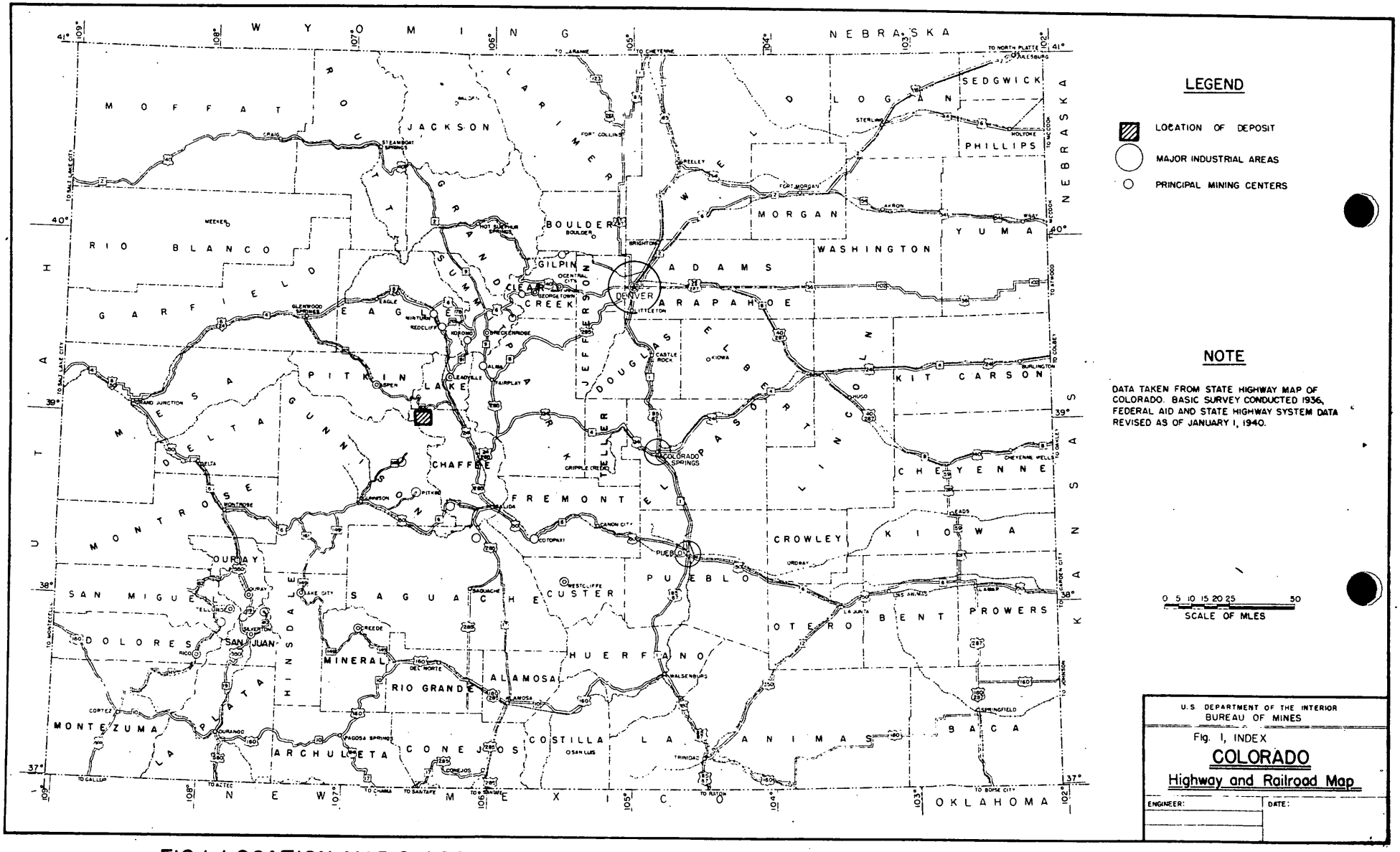

FIG. 1-LOCATION MAP, SWISS BOY & SILVER CROP MINES, CHAFFEE CO., COLO., D.M.A-2102

The county maintains the road up Clear Creek canyon to Winfield, an abandoned mining camp. Winter snow is removed for local ranches for 4 miles from U.S. Highway 24. The last mile of road is merely a rough trail which terminates about 300 feet vertically, and 800 feet on the slope from the Swiss Boy mine.

The property is in a rugged mountain area at an altitude of about 11,000 feet. The mine is about 800 feet above Clear Creek.

Leadville is 19 miles north of Granite on U.S. Highway 24.

HISTORY AND PRODUCTION

The property was reportedly worked between 1880 and 1890. Some work was reported in 1936 by the owner. The production has been from predominantly silver ore.

OWNERSHIP AND EXTENT

The property comprises two patented claims, the Swiss Boy, Survey No. 3303, and Silver Crop, Survey No. 3304. The property is owned as follows: 17/48 by A.B. Calloway, 29/48 by Darwin Torres of Creede, Colorado, and 2/48 by W. J. Rice, Armington, Montana.

Although Calloway only owns 35.41 percent of the property, he applied for a loan without consulting the other two part owners. Calloway indicated that in his opinion neither of the other co-owners would be financially able or interested in participating in a DMA loan.

DESCRIPTION OF THE DEPOSITS

The deposit consists of a strong quartz-calcite vein in a tertiary intrusive quartz monzonite porphyry. The vein strikes about N. 20° W., dips 70° NE., and consists of quartz, calcite, crushed porphyry and gouge. In a raise the vein contained disseminated sphalerite and galena over a width of 4 inches. The vein varies from a narrow quartz stringer up to 3 feet in width and is mostly barren of metalliferous minerals. It was

mined principally for silver between 1880 and 1890.

Vein walls are firm and stand without timber. A sample of high-grade ore taken in 1949 by a Bureau of Mines engineer assayed 0.86 ounces of gold and 37.4 ounces of silver per ton, 0.23 percent copper, 5.75 percent lead, 16.5 percent zinc and less than 0.01 percent antimony. This sample was from selected ore stored in the ore bin.

No appreciable amounts of antimony could be expected.

ORE RESERVES

Calloway reports that some zinc ore was dumped in the old shaft and backfilled in old drifts off from the shaft in the early day mining operations. These workings are caved and inaccessible, but the amount of backfilled ore could not be great as indicated by the size of stopes above the Swiss Boy tunnel.

PRESENT STATUS

Exploration and Development

The development work consists of a discovery shaft with an unknown amount of drifting, Swiss Boy tunnel with about 300 feet of drifts and the Silver Crop tunnel which is 335 feet to a large open. A shallow winze, probably less than 10 feet deep, which is filled with water, is below the old shaft in the Swiss Boy tunnel. Calloway reports good ore showing 4 feet down in this winze. The amount of any ore would be small. A raise which has been stoped for short distances on the vein near the Swiss Boy level, extends upward for about 50 feet. The raise has ladders for 30 feet.

Mining and Milling Equipment

The only mining equipment consists of one dilapidated mine car. The single bucket aerial tramway needs a gasoline motor. There is no milling

equipment. Milling facilities are available at Leadville, 19 miles north of Granite.

PROJECT PROPOSALS, WITH COSTS

The applicant proposes to drive three raises, sink a winze, and recover zinc ore reserved to be backfilled in the shaft, all from the Boise Bay tunnel. The proposed raises would be located where the vein branches or splits; the proposed locations are not based on any particular mineral occurrence. The chances for finding ore would be equally good by raising anywhere along the vein.

Sinking below the shaft and the raise, which have probably yielded a small amount of ore, appear to be the best exploration possibilities.

The backfilled ore in the old shaft probably would not warrant recovery as the mined silver ore generally occurs with the lead and zinc minerals. The zinc ore, although being unsaleable in the early days of mining, would have been difficult to separate from the silver ore.

Mine Equipment

The mine would have to be completely equipped.

Transportation

The access road from Clear Creek to the mine would have to be repaired. In addition a mile and a half of easily road would have to be constructed to the Boise Bay tunnel. An alternative would be reconstruction of the aerial tram.

Manpower

Any operation would require at least three men. Labor costs are $1.50 per hour. A. B. Calloway would supervise the work.

Power

NEA electric power is available.

Water

Water for mining could be collected in the mine or hauled from Clear Creek.

PROPOSED FINANCING

The applicant stated that he was unable to contribute anything to the project other than his interest in the property, the existing facilities, mine car, and his services.

CONCLUSIONS

The Swing Bay mine has probably produced a small quantity of silver ore which contained lead and zinc minerals. The proposal by the applicant does not have a great deal of merit. The arrangement is not favorable for a loan in that only fellower who owns about a third of the property submitted the application without consulting the other owners and he is unable financially to participate in a Defense Minerals Administration exploration loan.

RECOMMENDATIONS

The request for a $11,964.00 exploration loan for the Swing Bay mine is not recommended for approval.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

November 26, 1951

Mr. A. B. Calloway
528 W. Platte
Colorado Springs, Colorado

Re: DMA Docket 2102

Dear Mr. Calloway:

Your application for a loan to explore the Swiss Boy and Silver Crop Lead-Zinc Mine has been reviewed by the Defense Minerals Administration. We have a report of a field examination made on your property to help us in judging your application.

On the basis of this report we must conclude that the chances of finding any significant tonnage of mineable zinc-lead ore are unfavorable.

The deposits consist of a quartz-calcite vein in intrusive quartz-monzonite vein varying in width from a few inches up to 3 feet. The mineralization consists of disseminated sphalerite and galena in places, but most of the veins are barren of base metals. In view of these circumstances the expenditure of public funds for the exploration you propose is unwarranted and your application is hereby denied.

We wish to thank you for bringing the property to our attention. We are returning the original copy of your application, Patent No. 3088, and the map of the Mt. Elbert Quadrangle.

Very truly yours,

J. H. East, Jr.
Executive Officer
DMA Field Team, Region IV

Enclosure
WDM:fwo

cc: DMA Docket, Chron
Koschmann
Traver
John M. Smith, Acting Chief,
Administrative Management Div.

FILE COPY
SURNAME:

350

Newcomb (ETM)
McKnight
Callaway
Bradford
Lapel
Wynn

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OCT 8 1951

Re: DMA-2102
Exploration application
from
Mr. A. B. Calloway
528 W. Platte
Colorado Springs,
Colorado

Hon. Ed C. Johnson
Hon. Eugene D. Milliken
United States Senate
Washington 25, D. C.

My dear Senators Johnson and Milliken:

Mr. A. B. Calloway's application for an exploration loan, which you transmitted to the Defense Minerals Administration, has been reviewed. Some additional information is required before a complete appraisal can be made. We are, therefore, forwarding the application to Mr. J. H. East, Jr., Executive Officer, DMA Field Team, 224 New Customhouse, Denver, Colorado, and have recommended a field examination of Mr. Calloway's property.

We wish to thank you for forwarding the application.

Sincerely yours,

C. O. Mittendorf (J. H.)

Acting Administrator

8.7.8
10.8

ELNewcomb:emp
G 10-1-51
Copies to: Administrator
Deputy Administrator
J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Branch
E. T. McKnight 4204 GSA
O. M. Bishop
Directors r. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. files
DMA docket files

WALTER F. GEORGE, GA., CHAIRMAN
ALBERT THOMAS, TEX.
HARRY FLOOD BYRD, VA.
EUGENE D. MILLIKIN, COLO.
ROBERT A. TAFT, OHIO
HUGH BUTLER, NEBR.
EDWARD MARTIN, PA.
JOHN J. WILLIAMS, DEL.
ELIZABETH B. SPRINGER, CHIEF CLERK

United States Senate

COMMITTEE ON FINANCE

September 20, 1951

Dr. W. C. Schroeder
Administrator
Defense Minerals Administration
New Interior Building
Room 4428
Washington, D. C.

Bielings
9-24-51

Dear Dr. Schroeder:

Mr. A. B. Calloway, 528 West Platte Street, Colorado Springs, Colorado, has forwarded to us his application forms MF-200.

We are enclosing for your examination the application forms and other papers.

We will appreciate your kind consideration of Mr. Calloway's application.

Very sincerely yours,

Ed C. Johnson, U.S.S.

Eugene D. Millikin, U.S.S.

Enclosures

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
SEP 21 8 53 AM '51

WASHINGTON D.C.
MAIL ROOM
SEP 54 1 55 PM '51

U.S. DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 24 8 54 AM '51

1. Partnership in Swiss Boy and Silver Crop lode mines.
2. A.B. Calloway---528 West Platte, Colo. Springs, Colo.
   Doris Love ----Creede, Colorado.
   W.J. Rice -----Armington, Montana
4. General mining and ore mill experience, since 1919. By A.B. Calloway, the applicant who will manage the project.
5. 17/48 ownership of the Swiss Boy and Silver Crop lodes.
6. No claims, liens, or encumbrances against said property.
7.
8. Since my part ownership this property has not ever shown a profit; always a loss; has produced good ore's in the past including antimony, lead, zinc, silver; but not by me. The Swiss Boy tunnel (open(600 ft., winze with 22inches of ore, stope's with nine inches to thirty-six inches of ore. Including a back-fill of muck, with lead and zinc ore's in said back-fill, in the original shaft, which connects with the Swiss Boy tunnel.
9. Applicant is in no way financially able to invest any money in project, other than his time and what equipment he has on hand.
10. Description of Swiss Boy and Silver Crop lode mine properties are as follows: located in extreme north-west corner of Chaffee County, Colo., designated by the surveyor general as United States patented-deeded mining lode properties, as lot No. 3303 (Swiss Boy) and 3304 (Silver Crop) lodes embracing a portion of Section 22, in township 12 south, range 81 west, 6th. principal mreidian, La Plata mining district, or 1mile north by north-east of Winfield, on Clear creek; 12 miles west of UsS. highway 24(paved) and Granite Colo.
11. Names of said properties, Swiss Boy and Silver Crop are same now as when patented in Aug. 1884; the original patents of shich I shal l enclose with this application.
12. 12 miles of secondary county road from Swiss Boy mine to U.S. Highway 24 and point of shipment by rail at Granite, Colo.;or 32miles from Swiss Boy to Leadville smelter by truck.
13. Availability of water ample supply coming from tunnel and creek nearby. Power. No available power line. Dependent on gasoline or diesel motive power, of which we do not have.
14. One log cabin, practically new structure to be used as shop, 1 ore bin with three ton of ore in same,(shipping ore) aerial tram cable from ore bin,(at end of road)up a 35 degree mountain side to portal of Swiss Boy tunnel; have winch secured on platform at the Swiss Boy portal in order to handle ore buckets up and down this aerial tramway a distance of 890 ft. It is extremely necessary for a road to be built this distance from the ore bin or end of road to the Swiss Boy portal.
15. Shipped by truck to Leadville mill and smelter.
16. History: The Swiss Boy in the eightie's and ninetie's has a brilliant record and long time production of high grade silver ore when lead was prohibited in price to ship and a penalty was on zinc ores; therefore the reason for the back-fill in the original shaft, as the old-timers cobbed-off the lead and zinc ores and shipped profitable silver ore. Denver museum has high grade specimens and unusual specimens of silver which came from the Swiss Boy mine.

16. (a). The 600 ft. Swiss Boy tunnel with fissure vein, original workings, winze, stopes reaching to 150ft., all are in perfect state of preservation, with no timbering required, except, stulls in a few necessary places in the stopes. Reason for past suspension; Remonitazation on price of silver in the nineties closed all mines in this silver camp of Winfield. The known and recorded history of production of silver in the eighties and nineties in the Winfield territory, including the Banker mine, Swiss Boy and Silver Crop and many others in this locality all have wonderful silver production records of those days; These being a complex ore they naturally carry lead, zinc and antimoney and .20 to .50 in gold. The above territory is highly mineralized in the above ores as geological reports will show.

17. Mine is not in production but analysis of the ore from the Swiss Boy run an average 60 to 115 ounces of silver, 20% lead, 17% zinc, .20 in gold, quality but not quanity test showing ~~antimoney~~ antimoney.

18. Questions ans. in #17.
(b) Maps attached to original patented deeds enclosed for your examination
(c) Estimated tonnage in sight approximately 1,000 tons. Money needed for exploration of ore reserves.

19. Winze in tunnel is filled with slow seepage water; steel track and ore car in Swiss Boy tunnel are all in excellent operating condition. Lower tunnel in Silver Crop lode approximately 500ft. has mostly low grade complex mill ore; advise exploration work in seeking new ore bodies or continuation of present ore bodies in both tunnels; shipping ore may be had immediately in the Swiss Boy tunnel at the beginning of mining operations. This is a necessity for a government mining loan for the sole purpose of securing machinery and equipment for these strategic metals and road building, and labor for this project.

20. Exploration work in seeking antimoney, lead, zinc and silver ores. These ores here-tofore has occured in a fissure deposit of kidney ore bodies.

21. My estimation for completion on this project -- 18 to 24 months. due to high altitude (apprx. 10,500 ft.). The proposed work has been outlined in par.#19.

22. In the year 1949 two different geological parties (United States) made two different examinations and reports on the Swiss Boy ore and the Swiss Boy mine; these reports are in the U.S. geological office in Denver or Washington D.C.

23.a Labor- 4 men @ $12.00 per day --6 days wk.------for 18 mo.--$22,464.
b. No Supervisors salary; Supervised by A.B. Calloway.
c. necessary repair cost to ore bin, aerial tram-way, purchasing of compressor, air drills, stoper, liners, air pipe, gasoline or diesel-powered motor, and model A motor for pulling empty ore buckets on aerial tram-way, from the ore bin up to the portal; estimated cost for the above $11,500.
h. Cost of materials, hand tools less than $50.00
Model A motor $50.00

24. Time schedule: I propose to begin said project at earliest convenience after application is approved, working same thru each month until adverse weather conditions prohibit working; usually starting in January. Approximate expenditures for above project $33,964.00 or less; naturally I wish to hold expenditures down to a minimum as I have to repay same to the government.

A. B. Calloway

FILE COPY
SURNAME:

350

Newcomb (ETX)
McKnight
Bishop
Moon

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

OCT 4 1951

Re: DMA-2102

Mr. A. B. Calloway
528 W. Platte
Colorado Springs, Colorado

Dear Mr. Calloway:

Your application for an exploration loan on property located in Chaffee County, Colorado, which was transmitted to us by Senators Johnson and Milliken, has been reviewed by the Defense Minerals Administration.

Further information is required before we can make a complete appraisal of your application. For this purpose, we have forwarded it to Mr. J. H. East, Jr. Executive Officer, DMA Field Team, 224 New Customhouse, Denver 2, Colorado for additional data.

Very truly yours,

SIGNED

Tom Lyon, Director
Supply Division

ELNewcomb:emp
10-1-51 G
Copies to: J. H. East, Jr. Region IV (2)
E. T. McKnight 4204 GSA
Chief, Lead-Zinc Br.
O. M. Bishop
Directorsr. files 4214 GSA
Br. r. files 4214 GSA
Administrators r. file
DMA docket files

McKnight
Billings
Bishop

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

Mr. J. H. East, Jr.
Executive Officer, DMA Field Team
Region IV
224 New Customhouse
Denver 2, Colorado

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 2102

Commodity Lead, zinc

Applicant Mr. A. B. Calloway, 528 W. Platte,
Colorado Springs, Colorado

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 2102

Commodity Lead, zinc

Total Amount

Govt. Participation

1. Name and Address of Applicant Mr. A. B. Calloway, 528 W. Platte, Colorado Springs, Colorado

2. Location of Property Silver Boy and Silver Crop Mines, NW corner of Chaffee County, Colorado 1 miles N. of Winfield

3. Mineral or metal Lead, zinc Is it listed in Section 9 of MO-5? Yes

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination X

e) Is there an alternative and favorable project? (If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes (question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?

Does the lease have sufficient time to run to cover a future productive period?

*question numbers are those of MF-103

7. Are subordination agreements necessary? No

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Yes

b) Equipment and supplies Yes
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* Yes

d) Water (question 13)* Yes

e) Power (question 13)* Yes

Is a field check needed on any of these points? Yes, 8 (b)

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* Yes

_____

Is a field check needed on this point? No

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? No

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? Yes

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? No If so, attach a draft.

e) Are the cost estimates reasonable? Don't know

f) Should more information be requested from applicant? Yes

g) Is a field examination necessary to complete Exhibit A? Yes

11. Exhibit B (question 23-d)*

a) Is it applicable? Don't know

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed? Yes

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? No

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed? No

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? Don't know

c) Is the schedule excessive for the work proposed? Don't know

d) Are the proposed wages and salaries reasonable? Yes

e) Is a field check needed? Yes

14. Exhibit E (question 23-c)*

a) Is it applicable? Yes

b) Sufficient data? No

c) Reasonable?

d) Field check needed? Yes

15. In your judgment, can the proposed work be done in the proposed time? Yes

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Applicant request 75% exploration loan based on antimony on property. Very possible 50-50 basis is acceptable. However, field examination is required for additional information in either case as indicated on these review sheets.

Reviewed by: E. L. Newcomb GS 9-26-51

Date 10-1-51

INT.-DUP. SEC., WASH., D.C. 99009

Subject: DMA-2102
Re: Exploration Loan
Swiss Boy and Silver Crop

Mr. A. B. Calloway
528 W. Platte
Colorado Springs, Colorado

My dear Mr. Calloway:

This will acknowledge receipt of your application dated May 29, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2102 and referred to the Lead-Zinc Branch.

Kindly refer to DMA-2102 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

SEP 25 1951

U.S. DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

1. Partnership in Swiss Boy and Silver Crop lode mines.
2. A.B. Calloway---528 West Platte, Colo. Springs, Colo.
   Doris Love ----Creede, Colorado.
   W.J. Rice -----Armington, Montana
4. General mining and ore mill experience, since 1919. By A.B. Calloway, the applicant who will manage the project.
5. 1/4 ownership of the Swiss Boy and Silver Crop lodes.
6. No claims, liens, or encumbrances against said property.
7.
8. Since my part ownership this property has not ever shown a profit; always a loss; has produced good ore's in the past including antimony, lead, zinc, silver; but not by me. The Swiss Boy tunnel (open(600 ft., winze with 22inches of ore, stope's with nine inches to thirty-six inches of ore. Including a back-fill of muck, with lead and zinc ore's in said back-fill, in the original shaft, which connects with the Swiss Boy tunnel.
9. Applicant is in no way financially able to invest any money in project, other than his time and what equipment he has on hand.
10. Description of Swiss Boy and Silver Crop lode mine properties are as follows: located in extreme north-west corner of Chaffee County, Colo., designated by the surveyor general as United States patented-deeded mining lode properties, as lot No. 3303 (Swiss Boy) and 3304 (Silver Crop) lodes embracing a portion of Section 22, in township 12 south, range 81 west, 6th. principal mreidian, La Plata mining district, or 1mile north by north-east of Winfield, on Clear creek; 12 miles west of UsS. highway 24(paved) and Granite Colo.
11. Names of said properties, Swiss Boy and Silver Crop are same now as when patented in Aug. 1884; the original patents of shich I shal l enclose with this application.
12. 12 miles of secondary county road from Swiss Boy mine to U.S. Highway 24 and point of shipment by rail at Granite, Colo.;or 32miles from Swiss Boy to Leadville smelter by truck.
13. Availability of water ample supply coming from tunnel and creek nearby. Power. No available power line. Dependent on gasoline or diesel motive power, of which we do not have.
14. One log cabin, practically new structure to be used as shop, 1 ore bin with three ton of ore in same,(shipping ore) aerial tram cable from ore bin,(at end of road)up a 35 degree mountain side to portal of Swiss Boy tunnel; have winch secured on platform at the Swiss Boy portal in order to handle ore buckets up and down this aerial tramway a distance of 890 ft. It is extremely necessary for a road to be built this distance from the ore bin or end of read to the Swiss Boy portal.
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16. (a). The 600 ft. Swiss Boy tunnel with fissure vein, original workings, winze, stopes reaching to 150ft., all are in perfect state of preservation, with no timbering required, except, stulls in a few necessary places in the stopes. Reason for past suspension; Remonitazation on price of silver in the nineties closed all mines in this silver camp of Winfield. The known and recorded history of production of silver in the eighties and nineties in the Winfield territory, including the Banker mine, Swiss Boy and Silver Crop and many others in this locality all have wonderful silver production records of those days; These being a complex ore they naturally carry lead, zinc and antimoney and .20 to .50 in gold. The above territory is highly mineralized in the above ores as geological reports will show.

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23.a Labor- 4 men @ $12.00 per day --6 days wk.------for 18 mo.--$22,464.

b No Supervisors salary; Supervised by A.B. Calloway.

c necessary repair cost to ore bin, aerial tram-way, purchasing of compressor, air drills, stoper, liners, air pipe,gasoline or diesel powered motor#, and model A motor for pulling empty ore buckets on aerial tram-way, from the ore bin up to the portal; estimated cost for the above $11,500.

h Cost of materials, hand tools less than $50.00
Madel A motor $50.00

24. Time schedule: I propose to begin said project at earliest convenience after application is approved, working same thru each month until adverse weather conditions prohibit working; usually starting in January. Approximate expenditures for above project $33,964.00 or less; naturally I wish to hold expenditures down to a minimum as I have to repay same to the government.

A.B. Calloway

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Defense Minerals Administration

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A. B. Calloway

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 6-2102

Date received 9-24-51

Participation

A.B. Calloway
528 W. Platte
Colorado Springs, Colorado

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $33,964.00 or less

Mineral or metal Metal

Percentage of Government participation 75%.

Location of mine Embracing portion of Sec.22 T 12 south,Rg.81 W, 6 P.M. La Plata mining dist. Chaffee County, Colo.

Date of filing MF-100 May 29, 1951

DMA Docket Number, if available 2102

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 24 4 04 PM '51

questions answered on accompanying supplementary pages

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Partnership--owners.

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-103
(April 1951).

U. S. DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 2102

Date received 9-24-51

Participation

A.B. Calloway
528 W. Platte
Colorado Springs, Colorado

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $33,964.00 or less

Mineral or metal Metal

Percentage of Government participation 75%

Location of mine Embracing portion of Sec. 22 T 12 south, Rg. 81 W, 6P.M. La Plata mining dist. Chaffee County, Colo.

Date of filing MF-100 May 29, 1951

DMA Docket Number, if available 2102

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

questions answered on accompanying supplementary pages

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? partnership---owners.

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property.

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
SEP 24 4 04 PM '51

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA 2102

Date received 9-24-51

Participation

A.B. Calloway
528 W. Platte
Colorado Springs, Colorado

Name and address of applicant

Date May 29, 1951

FILL IN THIS BLOCK

Date of application May 29, 1951

Estimated cost $33,964.00 or less

Mineral or metal Metal

Percentage of Government participation 75%

Location of mine Embracing portion of Sec. 22 T 12 south, Rg.81 W, 6 P.M. La Plata mining dist. Chaffee County, Colo.

Date of filing MF-100 May 29, 1951

DMA Docket Number, if available 2102

INSTRUCTIONS

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questions answered on accompanying supplementary pages

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SEP 24 4 05 PM '51
WASHINGTON, D.C.

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16—64067-1

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*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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---------- By ----------
(Name of company) (Signature of authorized official)

---------- ----------
(Date) (Title)

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*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

MF-201

MORTGAGOR'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the owner is the holder of a mortgage, claim, lien, or encumbrance dated None, ..., recorded in Book ....., page ....., of the records of the county of ....., State of .....,

upon that certain parcel of ground described in a certain Exploration Project Contract dated ....., 195..., between NONE,

the owner of said property and the United States of America;

NOW, THEREFORE, the undersigned does by these presents subordinate all of his right, title, and interest in said mortgage, claim, lien, or encumbrance to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights under the provisions of said mortgage, claim, lien, or encumbrance; and

The undersigned agrees to commit no act nor assert any right, title, or interest under said mortgage, claim, lien, or encumbrance that might contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this May 29 day of ....., 195..

R. B. Calloway

U. S. GOVERNMENT PRINTING OFFICE 940767

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

224 New Customhouse
Denver 2, Colorado

June 19, 1952

Memorandum

To: Acting Administrator, Defense Minerals Exploration Administration
Attention: Code 210

From: Field Team, Region IV

Subject: Final Report, DMA Docket 2102, (Lead-Zinc) Swiss Boy and Silver Crop Mines, Chaffee County, Colorado

Attached are four copies of the final report on DMA-2102.

The application was denied November 26, 1951.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

JUN 23 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

Mining Division
Region IV

November 26, 1951

Memorandum

To: DMA Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, L.S. Docket 2102, A. B. Calloway, applicant; Swiss Boy and Silver Crop Lead-Zinc Mine, Chaffee County, Colorado

The application of the subject docket was for an exploration loan of $33,964.00.

The proposed exploration program consists of the rehabilitation of a 16-foot winze, sinking an additional 150 feet, and driving 300 foot raises.

The deposit consists of a strong quartz-calcite vein in intrusive quartz-monzonite porphyry. The vein varies in width from a few inches up to 3 feet. Mineralization consists of disseminated sphalerite and galena, but the vein is mostly barren of base metals.

Past production between 1880 and 1890 was mainly silver ore. A sample of sorted ore taken by an engineer of the Bureau of Mines in 1949 assayed 0.06 ounces of gold and 37.4 ounces of silver per ton, 0.23 per cent copper, 5.75 per cent lead, 16.5 per cent zinc, and less than 0.01 per cent antimony.

A. B. Calloway has only about one-third interest in the property, and submitted the application without consulting his partners, and is unable to participate in an exploration loan.

Due to the facts that the geological probability of discovery of commercial base metal ores is not favorable and that the applicant cannot participate in the exploration, the examining team recommends denial of the application, with which we concur.

A letter of denial has been sent to the applicant.

W. H. King

W. H. King, for
F. T. Allaman

Reviewed by
DMEA OPERATING COMMITTEE

6-27-52
(date)

Negative
cc: Procurement, Subj., Carson

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Building 20
Denver Federal Center
November 16, 1951

Memorandum

To: Chief, Mining Division, Region IV

From: Chief, Colorado Branch, Mining Division

Subject: DMA-2168, Swiss Boy and Silver Crop Mines, Chaffee County, Colorado

Please find enclosed eight copies of the subject Summary, Conclusions, and Recommendations by F. D. Everett, and H. T. Schlumberger and Engineering Report by Everett.

A. H. Koschmann has indicated that no U. S. Geological Survey report other than a memorandum will be submitted on the docket.

According to Everett, Calloway nor any of his associates are able to participate in an exploration loan and apparently the associates were not consulted. If that is not sufficient reason for denial of the loan, lack of equipment, slight likelihood of making an ore discovery of any consequence, and inexperience of the applicant should be.

I concur with Everett's recommendation that the request be denied.

The brochure, review, and copies of the Senators letters submitted with the Field Team's instructions for examination are also enclosed. Evidently some of the data presented by the applicant contained in an envelope attached to the brochure should be returned to him. Your attention is called to your notation on the envelope.

W. M. Traver, Jr.

W. M. Traver, Jr.

enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-2102, Swiss Boy and Silver Crest Mines

Chaffee County, Colo.

F. D. Everett, Mining Engineer
Bureau of Mines

H. T. Schasschorpe, Geologist
U. S. Geological Survey

November 15, 1951

SMITH BOY AND SILVER CROP MINES
CHAFFEE COUNTY, COLO.
A. B. CALLOWAY, APPLICANT

Summary, Conclusions, and Recommendations

By L. D. Everett
Mining Engineer
Bureau of Mines

and

M. T. Schamberger
Geologist
U. S. Geological Survey

SWISS BOY AND SILVER GROP MINES
CHAFFEE COUNTY, COLO.
A. B. CALLOWAY, APPLICANT

SUMMARY, CONCLUSIONS, and RECOMMENDATIONS

By F. D. Everett and H. T. Schlumberger

A. B. Calloway applied for a 75 percent Government participation exploration loan for $33,964.00 to raise and sink on the vein and to recover some remaining backfill zinc ore at the Swiss Boy and Silver Grop Mines, Chaffee County, Colo. The ore was reported to contain antimony. The property comprises two claims in the La Plata Mining District, 13 miles west of Granite, Colo.

The Swiss Boy tunnel was driven on a quartz-calcite vein in tertiary quartz monzonite porphyry. The Swiss Boy and a few other mines near Winfield, an abandoned mining camp 2 miles from the Swiss Boy, have yielded silver ores in the past, mainly before 1900. The only mineral observed was in a 4-inch wide vein which contained disseminated sphalerite and galena. A sample of the sorted high-grade ore taken from the shipping bin assayed less than 0.01 percent antimony.

The mine would have to be completely equipped. Calloway, who has 36.41 percent of the ownership of the claims, is the only one of three co-owners who has indicated any willingness to participate in an exploration loan on the property. Calloway stated he is financially unable to participate in either a 75 or 50 percent Government exploration loan.

The loan accordingly cannot be recommended for approval.

Engineering

SWISS BOY AND SILVER GROP MINES
CHAFFEE COUNTY, COLO.
A. B. GALLOWAY, APPLICANT

Engineering Report

By F. P. Everett
Mining Engineer
Bureau of Mines

SWING BOY AND SILVER CROP MINES
CHAFFEE COUNTY, COLO.
A. B. CALLIGHAN, APPLICANT

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ILLUSTRATIONS

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SWISS BOY AND SILVER CROP MINES
CHAFFEE COUNTY, COLORADO

ENGINEERING REPORT

By

F. D. Everett

INTRODUCTION

A. B. Galloway, 328 West Firsha Street, Colorado Springs, Colorado, applied for a Defense Minerals Administration exploration loan, Docket 8102, for $33,944.00 or less, 75% percent Government participation, to rehabilitate, sink 150 feet of winze and drive 300 feet of raises. Part of the loan is to finance the work of topping backfill ore in the discovery shaft. The ore values are in gold, silver, lead and zinc. Antimony is reported to occur and the 75 percent Government participating loan is based on his assurance.

ACKNOWLEDGEMENTS

Mr. Galloway was very co-operative and courteous in showing his property. H. T. Schaadsberger, Geologist for the U. S. Geological Survey, accompanied the Bureau of Mines engineer on the examination.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The property is 13 miles by road west of Granite, Chaffee County, Colorado in Sec. 28, T. 12 S., R. 81 W., 6th P.M. It is reached by traveling west up Clear Creek canyon on county road 170 branching from U. S. Highway 24 about 1 mile south of Granite. The property is in the La Plata Mining District (fig. 1).

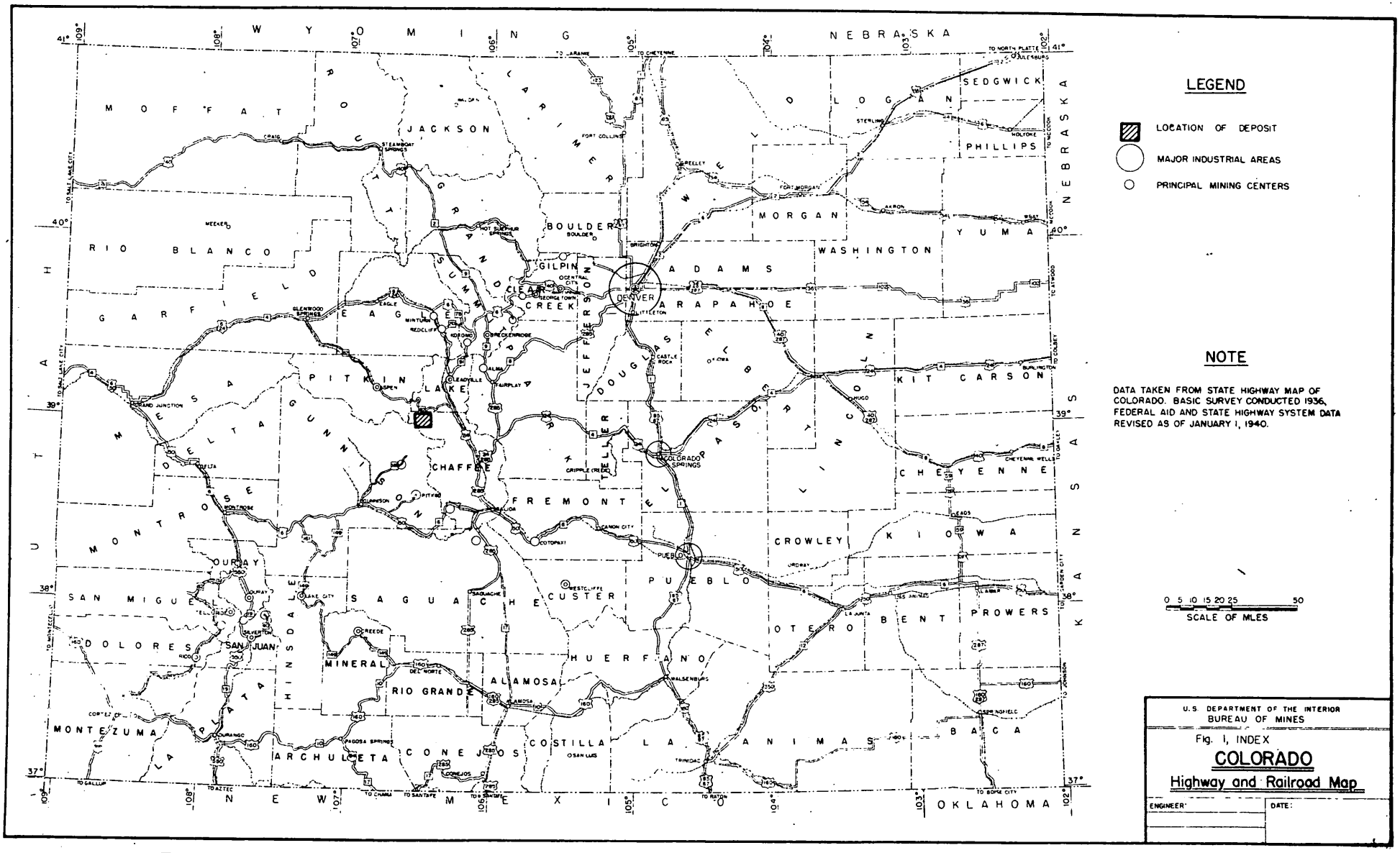

FIG. 1-LOCATION MAP, SWISS BOY & SILVER CROP MINES, CHAFFEE CO., COLO., D.M.A-2102

The county maintains the road up Clear Creek canyon to Winfield, an abandoned mining camp. Winter snow is removed for local ranches for 4 miles from U.S. Highway 24. The last mile of road is merely a rough trail which terminates about 300 feet vertically, and 900 feet on the slope from the Swiss Boy mine.

The property is in a rugged mountain area at an altitude of about 11,000 feet. The mine is about 800 feet above Clear Creek.

Leadville is 19 miles north of Granite on U.S. Highway 24.

HISTORY AND PRODUCTION

The property was reportedly worked between 1880 and 1890. Some work was reported in 1936 by the owner. The production has been from predominantly silver ore.

OWNERSHIP AND EXTENT

The property comprises two patented claims, the Swiss Boy, Survey No. 3303, and Silver Crop, Survey No. 1304. The property is owned as follows: 17/48 by A.B. Calloway, 29/48 by Doris Torres of Creede, Colorado, and 2/48 by W. J. Rice, Arvington, Montana.

Although Calloway only owns 35.41 percent of the property, he applied for a loan without consulting the other two part owners. Calloway indicated that in his opinion neither of the other co-owners would be financially able or interested in participating in a RFC loan.

DESCRIPTION OF THE DEPOSITS

The deposit consists of a strong quartz-calcite vein in a tertiary intrusive quartz monzonite porphyry. The vein strikes about N. 20° E., dips 70° NW., and consists of quartz, calcite, crushed porphyry and gouge. In a raise the vein contained disseminated sphalerite and galena over a width of 4 inches. The vein varies from a narrow quartz stringer up to 3 feet in width and is mostly barren of metalliferous minerals. It was

mined principally for silver between 1880 and 1890.

Vein walls are firm and stand without timber. A sample of high-grade ore taken in 1949 by a Bureau of Mines engineer assayed 0.06 ounces of gold and 37.4 ounces of silver per ton, 0.23 percent copper, 5.75 percent lead, 16.5 percent zinc and less than 0.01 percent antimony. This sample was from selected ore stored in the ore bin.

No appreciable amounts of antimony could be expected.

ORE RESERVES

Calloway reports that some zinc ore was dumped in the old shaft and backfilled in old drifts off from the shaft in the early day mining operations. These workings are caved and inaccessible, but the amount of backfilled ore could not be great as indicated by the size of stopes above the Swiss Boy tunnel.

PRESENT STATUS

Exploration and Development

The development work consists of a discovery shaft with an unknown amount of drifting, Swiss Boy tunnel with about 350 feet of drifts and the Silver Crop tunnel which is 335 feet to a large cave. A shallow winze, probably less than 10 feet deep, which is filled with water, is below the old shaft in the Swiss Boy tunnel. Calloway reports good ore showing 4 feet down in this winze. The amount of any ore would be small. A raise which has been stoped for short distances on the vein near the Swiss Boy level, extends upward for about 80 feet. The raise has ladders for 30 feet.

Mining and Milling Equipment

The only mining equipment consists of one dilapidated mine car. The single bucket aerial tramway needs a gasoline motor. There is no milling

equipment. Milling facilities are available at Leadville, 19 miles north of Granite.

PROJECT PROPOSALS, MIN GOSH

The applicant proposes to drive three raises, sink a winze, and recover ore are removed to be backfilled in the shaft, all from the Swiss Boy tunnel. The proposedraises would be located where the vein branches or splits; the proposed locations are not based on any particular mineral occurrences. The chances for finding ore would be equally good by raising anywhere along the vein.

Sinking below the shaft and the raise, which have probably yielded a small amount of ore, appear to be the best exploration possibilities.

The backfilled ore in the old shaft probably would not warrant recovery as the mined silver ore generally occurs with the lead and zinc minerals. The zinc ore, although being unmarkable in the early days of mining, would have been difficult to separate from the silver ore.

Ore Equipment

The mine would have to be completely equipped.

Transportation

The access road from Clear Creek to the mine would have to be repaired. In addition a mile and a half of costly road would have to be constructed to the Swiss Boy tunnel. An alternative would be reconstruction of the aerial tram.

Manpower

Any operation would require at least three men. Labor costs are $1.50 per hour. A. B. Calloway would supervise the work.

Power

REA electric power is available.

Water

Water for mining could be collected in the mine or hauled from Clear Creek.

PROPOSED FINANCING

The applicant stated that he was unable to contribute anything to the project other than his interest in the property, the existing facilities, mine car, and his services.

CONSIDERATIONS

The Swine Bay mine has probably produced a small quantity of silver ore which contained lead and zinc minerals. The proposal by the applicant does not have a great deal of merit. The arrangement is not favorable for a loan in that only Gallaway who owns about a third of the property submitted the application without consulting the other owners and he is unable financially to participate in a Defense Minerals Administration exploration loan.

RECOMMENDATIONS

The request for a $33,[illegible].00 exploration loan for the Swine Bay mine is not recommended for approval.