Passed in back.

DEFENSE MATERIALS PROCUREMENT AGENCY
WASHINGTON 25, D. C.

NOV 30 1951

Memorandum

To: Docket Control Center

From: Chief, Copper Branch

Subject: Application for Production Loan of Mr. H. P. White, Anaconda Lead and Silver Co., DMA 63 Commodity-Copper

This application has been withdrawn January 21, 1951 by the applicant.

Transmitted herewith is the complete file consisting of:

2 Letters to H. P. White from J. K. Richardson
  Dec. 22, 1950
  Jan. 31, 1951
3 Letters to J. K. Richardson from
  J. H. East, Jan. 4, 1951
  H. P. Waite, Jan. 22, 1951
  J. H. East, Feb. 6, 1951
1 Memo to Executive Officer Region IV from T. Lyon, Feb. 26, 1951
1 Memo to Executive Secretary from J. K. Richardson, Jan. 31, 1951

J.F.S.

SIGNED

J. B. Gowen, Chief
Copper Branch

Attachment
RVWaugh:pk
11/21/51
Copy to: Region IV
Copper Branch

DMA

REGIONAL DIRECTOR'S
OFFICE
REGION IV
APR 12 1951
BUREAU OF MINES
DENVER, COLORADO

April 10, 1951

63

Mr. C.R. Wilfley
Consulting Engineer
Anaconda Lead and Silver Company
Ryan Building
Denver 6, Colorado

Dear Mr. Wilfley:

This will acknowledge your letter of April 2 relative to the results of metallurgical tests we completed several years ago on ore samples from the Silver Dome mine, Presidio County, Texas.

During 1947 and 1948, Mr. W.D. McMillan of Austin, Texas, field office submitted three large samples of the Silver Dome ore for beneficiation tests. All of the samples were substantially free of sulfides and contained cerrusite associated with a very minor amount of smithsonite. Some of the lead was present as vanadinite. Head analyses of the three samples were as follows:

| Sample | Assay, percent | | | Oz/ton | |
|---|---|---|---|---|---|
| | Pb | Zn | $V_2O_5$ | Au | Ag |
| SD-2 | 7.34 | 0.20 | 0.46 | 0.01 | 1.0 |
| SD-4 | 10.52 | 0.70 | 0.39 | - | - |
| SD-19 | 2.91 | - | 0.45 | Tr | 0.5 |

The results of a flotation test on sample SD-2 and the reagent charge employed are given below. The ore was stage-ground to pass 100 mesh for flotation, and the rougher froth was double-cleaned for the final concentrate.

Flotation Results

| Product | Weight, percent | Assay, percent | | | | Distribution, percent | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Pb | Zn | $V_2O_5$ | Ag* | Pb | Zn | $V_2O_5$ | Ag |
| Concentrate | 11.2 | 59.22 | 0.10 | 2.98 | 5.8 | 87.4 | 9.6 | 72.6 | 62.6 |
| Middling | 16.4 | 2.80 | 0.20 | | 0.6 | 6.1 | 27.6 | - | 9.4 |
| Rougher Conc. | 27.6 | 23.70 | 0.16 | | 2.7 | 93.5 | 37.5 | - | 72.0 |
| Tailing | 72.4 | 0.69 | 0.10 | | 0.4 | 6.5 | 62.5 | - | 28.0 |
| Composite | 100.0 | 7.39 | 0.12 | 0.46 | 1.0 | 100.0 | 100.0 | 100.0 | 100.0 |

*The concentrate contained only a trace of gold.

File

Reagent Charge

| Reagent | Pounds per ton of ore | | |
|---|---|---|---|
| | Conditioner | Rougher | Cleaner |
| Am. Cyanamid 425 | 1.0 | 1.50 | - |
| Frother B-23 | - | 0.24 | 0.08 |
| Time (Min) | 5 | 10 | 5 |
| pH | 9.0 | 8.8 | 8.6 |

American Cyanamid Reagent 425 served both as sulfidizer and collector for the oxidized lead minerals and gave good results.

Flotation of sample SD-4 gave results very similar to those obtained on SD-2. The cleaner concentrate assayed 62.33 percent lead and accounted for a recovery of 90.2 percent of the lead.

Although sample SD-19 was lower grade, it responded readily to flotation after sulfidizing with about 3 pounds per ton of sodium sulfide and floating with ethyl and amyl xanthates. In a typical test, 82.7 percent of the lead was recovered in the final concentrate which assayed 64.74 percent Pb and 4.2 percent $V_2O_5$. The rougher froth assayed 32.1 percent Pb and contained 89.2 percent of the lead.

Sink-float and tabling tests also were made on the low-grade sample to determine if the ore could be up-graded prior to flotation. The ore was crushed to 1/2-inch and the plus 6-mesh material was fractionated at 2.95 specific gravity; the plus 6-mesh portions represented 47.4 percent of the sample by weight. The float and sink products assayed 0.52 percent and 28.2 percent lead, respectively; 46.2 percent of the ore by weight was rejected in the float.

Table concentration of the ore crushed to pass 20 mesh was not attractive. The recovery of lead was low and the grade of table concentrate was poor. The soft ore slimed quite badly; about 41 percent by weight was too fine to be treated by tabling. A composited table concentrate was recovered which assayed 40.15 percent lead and accounted for a lead recovery of 36.3 percent.

As the ores tested were relatively soft and responded readily to flotation, it is doubtful that gravity concentration for sloughing the gangue would be profitable. All flotation of the ore seems indicated.

If we can be of further service, feel free to call upon us.

Sincerely yours,

J. Bruce Clemmer, Chief
Southwest Experiment Station

cc: JHEast, Jr.
SRZimmerley
Tuc-127
542.3
DF

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

REGIONAL DIRECTOR'S OFFICE REGION IV 1 - 1951 BUREAU OF MINES DENVER, COLORADO

DMA

February 26, 1951

Air Mail

Memorandum:

To: Executive Officer, DMA Field Team, Region IV, 224 New Customhouse, Denver 2, Colorado

From: Chairman, Copper Commodity Committee

Subject: Anaconda Lead and Silver Company Loan Application - DMA-63

In reply to your memorandum of February 6, Mr. Richardson meant that the Anaconda Lead and Silver Company had not submitted Form NSRB-146 which is necessary in every case to make formal application. The letter of November 20, 1950 making an informal request for a loan was received, as stated in your memorandum.

Tom Lyon

Tom Lyon, Chairman
Copper Commodity Committee

Copy to: Executive Secretary
Copper Commodity Committee
Files

JTE

February 9, 1951

Mr. H. P. Waite
Executive Vice President
Anaconda Lead and Silver Co.
Ryan Building
Denver 6, Colorado

Dear Mr. Waite:

This will acknowledge your letter, dated February 7, stating that you intend to apply for a Government loan under the Defense Production Act as soon as you receive the necessary forms.

The supply of Forms NSRB-146 is exhausted and as soon as the supply is replenished, we will forward five copies to you. In the meantime, we are sending you a copy of a press release on a speech by Dr. James Boyd, dated December 5, and an outline of the type of information you should furnish.

Sincerely yours,

J. H. East, Jr.

J. H. East, Jr.
Regional Director

see DMS-63 for general file

Enclosure
Copy to: Allsman
DMA files

JHE/cl

# ANACONDA LEAD AND SILVER CO.

## AND SUBSIDIARIES

EXECUTIVE OFFICE: RYAN BUILDING, DENVER 6, COLORADO
Telephone DExter 3284

Office of
HOWARD P. WAITE
*Executive Vice-President*

February 7, 1951

REGIONAL DIRECTOR'S
OFFICE
REGION IV
FEB 9 - 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. H. East.,
Regional Director,
U. S. Bureau of Mines,
224 New Custom House,
Denver 2
Colorado

Dear Mr. East:

In line with our recent conference at your office with our Chief Engineer, Mr. C. R. Wilfley, we are herewith applying for a Government Loan under the Defense Production Act, in the amount of $150,000.00, divided as follows:

| | |
|---|---|
| $ 50,000.00 | Prospecting, core-drilling and Exploration |
| 100,000.00 | Machinery, equipment and operating Capital |

As soon as we receive from the Bureau of Mines the necessary forms we will have them executed and furnish with them copies of our Engineer's and Geologists reports.

Very truly yours,
Anaconda Lead and Silver Company

H P Waite

H. P. Waite,
Executive Vice President

HPW:lb

BRANCH OFFICES

153 No. Virginia St.
Reno, Nevada

El Paso National Bank Bldg.
El Paso, Texas

231 S. La Salle St.
Chicago 4, Illinois

Fort Russell Bldg.
Marfa, Texas

February 6, 1951

Memorandum

To: J. K. Richardson, Chief, Copper Branch

From: Field Team, DMA, Region IV

Subject: Docket DMA-63.

Referring to your letter addressed to Mr. H. P. Waite, Executive Vice President, Anaconda Lead and Silver Company, Eagle County, Colorado, dated January 31, 1951, relative to withdrawal of his loan application and stating that you had not received a formal application from this office. According to our records, a letter report was received and forwarded to DMA, Washington on November 20, 1950.

J. H. East, Jr.

JHE/cl

cc-Allsman
DMA files
Koschmann

A. H. Koschmann

DMA

REGIONAL DIRECTOR'S
OFFICE
REGION IV
FEB 5 - 1951
BUREAU OF MINES
DENVER, COLORADO

January 31, 1951

Re: Docket No. DMA-63

Mr. H. P. Waite
Executive Vice President
Anaconda Lead and Silver Company
Eagle County, Colorado

Dear Mr. Waite:

This acknowledges your letter of January 22, 1951 withdrawing your loan application Docket No. DMA-63 and requesting return of your formal application.

We have no record of the receipt of a formal application other than your letter of November 18, 1950 to Mr. J. H. East, Jr., Regional Director, Region IV, Bureau of Mines, Denver, Colorado. Had you decided to proceed with the application, it would have been necessary for you to submit your request according to certain forms (NSRB-146) specified by the National Security Resources Board. We assumed that your application was submitted for informal or preliminary consideration. If you so desire, however, we shall of course be pleased to return the letter.

Very truly yours,

/s/ J. K. Richardson
J. K. Richardson
Chief, Copper Branch

CHJohnson:pf

Copy to: Executive Secretary
Copper Commodity Committee
Executive Officer, DMA Field Team, Region IV
(J. H. East, Jr.) (2) 224 New Customhouse, Denver 2, Col.
Files

GTE

January 4, 1951

Mr. J. K. Richardson, Chairman
Copper Committee
Defense Minerals Administration
Washington, D. C.

Dear Mr. Richardson:

It is noted in your letter dated December 2[illegible], 1950, regarding Docket No. DMA-63, Anaconda Lead and Silver Company, Eagle County, Colorado, that our letters do not indicate clearly to you that we have acknowledged receipt of their report. In every instance, we make formal acknowledgment of report received in this office, and we forward the reports to Washington.

Sincerely yours,

J. H. Ent

J. H. Ent, Jr.
Regional Director

JH:lm

cc: JH Hedges
Otto Herren
CH Johnson

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

JAN 2 - 1951
DENVER

December 22, 1950

Re: Docket No. DMA-63
Anaconda Lead and Silver Co.
Eagle County, Colorado

Mr. H. P. Waite
Executive Vice President
Anaconda Lead and Silver Company
Denver 6, Colorado

Dear Mr. Waite:

This is to acknowledge receipt of your letter of November 18, 1950, addressed to Mr. J. H. East, Jr., Regional Director, Region IV, U. S. Bureau of Mines, 224 New Customhouse, Denver 2, Colorado. This letter was forwarded to Washington by Mr. East, together with a considerable number of other project files, and it is not clear whether or not its receipt had been acknowledged by Mr. East. It has now been assigned the above Docket Number to which reference should be made in any further correspondence.

We should like to offer for your consideration the suggestion that the ore contains sufficient uranium to bring it within the field of interest of the Atomic Energy Commission. If this is the case, the project falls outside the scope of Defense Minerals Administration or the Bureau of Mines and we should refer the matter to the Atomic Energy Commission.

I shall await your advice on this matter.

Very truly yours,

/s/ C. H. Johnson
for J. K. Richardson, Chairman
Copper Committee
Defense Minerals Administration

CHJohnson:ldw

Copy to: J. H. East, Jr., Denver 2, Colorado
Operating Committee, DMA
C. H. Johnson, Room 3425
F i l e s

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

November 20, 1950

Mr. H. P. Waite
Executive Vice President
Anaconda Lead & Silver Co.
Ryan Building
Denver 6, Colorado

Dear Mr. Waite:

This will acknowledge receipt of your letter report showing information on your Eagle mine, located on Horse Mountain, Eagle County, Colorado, in connection with application for Government mining loan under the Defense Production Act of 1950.

Your report will be given careful consideration.

Sincerely yours,

J. L. Dent, Jr.
Regional Director

/la

cc: [illegible] Gilman
[illegible] Trawor

TELEPHONE DEXTER 3284

1:40 p.m.

~~will return~~ over

MR. HOWARD P. WAITE

EXECUTIVE VICE-PRESIDENT AND TREASURER

10/24/50

ANACONDA LEAD AND SILVER CO.
AND SUBSIDIARIES

RYAN BUILDING
DENVER 6, COLORADO

Form 6-98

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

U. S. GOVERNMENT PRINTING OFFICE 16—53493-2