FILE COPY 500
SURNAME:

J.A.
2-12-52

Moulds

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

FEB 12 1952

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Re: Docket No. DMA 1188
Sedalia Mine

Dear Mr. Carrick:

With reference to your application for exploration project assistance in the Sedalia Mine, the Government has made a study of the available information submitted by you concerning the proposed program.

We find that a definite plan of diamond drilling, geological examination and sampling such as is required for Government participation has not been presented. The extensive exploration on and above the No. 3 adit level previously accomplished also, has not indicated that additional exploration below and beyond the fault would result in discovery and eventual production of a significant amount of base metal. Your application for exploration project assistance under Mineral Order 5 is, therefore, denied.

We appreciate the opportunity to review your project in the interest of strategic mineral discovery and ultimate production, and regret that it does not fulfill the requirements for Government participation.

Sincerely yours,

C. O. Mittendorf (fw)

Acting Administrator
Defense Minerals Exploration
Administration

S.N.
2-12-52

DEMoulds/hmj
2-8-52
cc to: Adm. R. File
Docket File Copy
Mr. Bishop
Mr. McKnight
Mr. Moulds
Region IV

File in docket

500

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

February 8, 1952

Memorandum

To: C. O. Mittendorf

From: Base Metals Division

Subject: Denial of application for exploration project assistance, Docket No. DMA 1188, T. L. Carrick, Sedalia Mine, Colorado.

The subject application was filed under date of May 17, 1951 for an exploration project in the Sedalia Mine. The project was stated very indefinitely as "Ore body has been cut with a fault. Extension of ore body can likely be found." The proposed work was stated - "Geological Survey diamond drilling and development -- 2 year period."

The applicant was requested to advise on ability to finance the project, define the project, and indicate the work to be done by maps and furnish other pertinent data as to costs and ore reserves indicated on the map. The suggestion was made that geological mapping and sampling of all exposed ore in the mine should be carried out prior to attempting to lay out a proper program of diamond drilling.

Mr. A. E. Moynahan, acting engineer for the applicant replied to this request under date of July 18, 1951 but did not present the definite information requested as to financial ability, exploration program or the ore reserves. He states that an extensive geological and sampling program as suggested appears to be the most practical approach, but he indicates that the Bureau of Mines should work out the geology and do the sampling. The Lead-Zinc Branch of the Defense Minerals Administration replied to this letter and requested the applicant to submit a revised application for Government assistance in geological examination and sampling which was to be accomplished by a competent engineer of the applicant's choosing.

The applicant's reply to this letter was to inform the Division that he desired a development loan to open up the well known vein below and beyond a displacement fault. He also states that he has other plans regarding the developed ore above the faulting and "-excepting the loan

to test for the vein below the faulting can become available I see no reason to further consider DMA 1188".

The USGS has reviewed the property on the basis of available information and has concluded that the possibility of finding significant ore bodies beyond and below the fault are not favorably indicated. In addition the applicant has not proposed a specific project to explore the area and has not definitely indicated financial ability to participate in the cost of exploration.

We, therefore, recommend that the application be denied and the applicant be so informed.

D. E. Moulds

D. E. Moulds

FILE COPY
500
SURNAME:

Mgulds
Thayer
Hedges

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

February 8, 1952

Memorandum

To: C. O. Mittendorf

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D. E. Moulds meh

D. E. Moulds

DEMoulds/hmj
2-8-52
cc to: Adm. R. File
Docket File Copy
Mr. Moulds

IN REPLY REFER TO:

I concur: OM Bishop, USBM.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

February 5, 1952

Memorandum

To: Mr. D. E. Moulds, DMEA

From: Mr. Erwin J. Lyons, USGS

Subject: Docket DMA-1188, T. L. Carrick, Salt Lake City, Utah

T. L. Carrick of Salt Lake City, Utah filed his application for an exploration grant May 17, 1951. He requested $25,000 to defray one-half of the cost of a diamond drilling program to explore for the faulted part of an ore body in the Sedalia mine, Chaffee County, Colorado.

The application was referred to the Copper Branch for appraisal because the Sedalia mine had been primarily a copper producer. Although, at the request of the applicant's engineer, A. E. Moynahan, the docket later was transferred to the Lead-Zinc Branch, the Copper Branch reviewed the application and requested from the applicant further information regarding specific plans and costs of the program as well as further geologic data. It was suggested that if the mine workings were accessible, an amended program, including geologic mapping and sampling of all ore in the mine, be submitted. This suggestion was repeated to A. E. Moynahan and also to T. L. Carrick by the Lead-Zinc Branch. Mr. Carrick, however, in a letter dated November 16, 1951, stated that he is interested only in obtaining a grant to explore for an orebody below the fault.

The Sedalia deposit is a lens about 800 ft. long and up to 150 ft. thick formed by impregnation of schistose rocks with ore minerals. The deposit is conformable with the schists which strike a little north of east and dip approximately 70° south. A pegmatite dike 50 ft. thick which dips north about 70° cuts off the orebody below the No. 2 level. This dike may be the fault the applicant refers to.

C. R. Wilfley of the U.S. Bureau of Mines examined the property in November, 1942. In his report he stated that although there are in the bottom level two places which might be explored for faulted segments, he believed that in view of the extensive workings on that level the deposit as a whole was bottomed and at best only a small tonnage might be found.

In view of the above opinion and the fact that the applicant has furnished neither evidence of the possible existence of minable orebodies below the fault nor a specific and satisfactory method of searching for such orebodies, it is recommended that the application be denied.

Erwin J. Lyons

Erwin J. Lyons,
Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

February 5, 1952

Memorandum

To: Mr. D. E. Moulds, DMEA

From: Mr. Erwin J. Lyons, USGS

Subject: Docket DMA-1188, T. L. Carrick, Salt Lake City, Utah

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Erwin J. Lyons,
Geologist

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
NOV 19 1 46 PM '51

LEAD-ZINC, COPPER

144 Second Avenue
Salt Lake City, Utah
November 16
1 9 5 1

OFFICIAL FILE COPY

To	Initials	Date

Mr. G. E. Johnson
Acting Chief
Defense Minerals Administration
Washington 25, D.C.

Dear Mr. Johnson:

Answering your letter of October 30, 1951, in regard to D.M.A. 1188, I wish to say that my application for a development loan on the Sedalia Mine was made to obtain funds to open the well known vein of this mine below and beyond a displacement fault, also well known and recognized.

About the time I was of the opinion that the loan asked for would be forthcoming, Mr. Gowen and Mr. Moynahan started a correspondence about geological and engineering examination, which could only concern the ore already opened and developed above the displacement faulting.

I have other plans regarding the developed ore above the faulting, and excepting the loan to test for the vein below the faulting can become available I see no reson to further consider D.M.A. 1188. ?

With thanks for your letter, I am

Most sincerely yours,

Tom L. Carrick

Tom L. Carrick

DMPA
RECEIVED
NOV 2 0 1951

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
NOV 23 11 06 AM '51

350

FILE COPY
SURNAME:

Hamilton
Johnson
McKnight
Bishop

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

OCT 30 1951

DMA-1188
Vedalia Mine, near
Salida, Colorado

a.e.c.

Mr. Tom L. Carrick
1[illegible] 2nd Avenue
Salt Lake City, Utah

Dear Mr. Carrick:

Your letter of September 27, 1951 to Mr. Jess Larson has been referred to the Defense Minerals Administration by Mr. Howard I. Young, Deputy Administrator DMPA.

Our records indicate that we received a letter from Mr. A. E. Moynahan dated July 18, 1951 regarding this property and we replied to Mr. Moynahan under date of July 27, 1951 suggesting you submit a revised application for a loan to have a geological and engineering examination made of your property with necessary sampling. This is in accordance with letter dated June 21, 1951 sent to you by our Mr. Gowen. We suggested further that the examination may be made by any geologist or engineer you choose, provided the Defense Minerals Administration is satisfied as to his competence and reliability.

We have been waiting to hear from you regarding your submission of a revised application. When this is received we shall be glad to give it our careful consideration.

Very truly yours,

G. E. Johnson 10/30

G. E. Johnson, Acting Chief
Lead-Zinc Branch

GEJOHNSON:ks
10/30/51

cc: Administrator
Deputy Administrator DMPA
Docket File DMA-1188
Bishop
McKnight
GE Johnson

OFFICIAL FILE COPY

DEFENSE MI... ADMINISTRA... WASHINGTON, D.
OCT 15 1 43 PM '5...

To	Init.	Date
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210		

350

OCT 12 1951

Mr. Tom L. Carrick
144 2nd Avenue
Salt Lake City, Utah

Dear Mr. Carrick:

We have your letter of September 27 with respect to D.M.A. exploration loan docketed as No. 1188X, as filed May 18, 1951.

We are referring your letter to Defense Minerals Administration in the Department of Interior as this is the agency that has been handling your docket.

Sincerely yours,

/Signed/ HOWARD I. YOUNG

Howard I. Young
Deputy Administrator

JWFKISS/GMeC
10/12/51
248845
Copies to: Adm. Files
Administrator
Mr. C. O. Mittendorf, DMA (with incoming letter)
Mr. Young
Mr. Feiss

3620 OCT 17 1951

QR

NAME Carrick, Tom L.
ADDRESS 144 2nd Ave.
Salt Lake City, Utah

CONTROL NUMBER

DMPA el

DATED 9/27/51

RE : Application for a DMA Loan to develop the Sedalia Mine near Salida, Col.

FILE

PLEASE ACKNOWLEDGE WITHIN DAYS

REFER TO
1. ~~Sinclair~~
2. ~~Young OCT 8 - 1951~~
3. McCauley 10-12-51
4.

DATE 1
C

TYPE OF CORRESPONDENCE

EG. MAIL	R MAIL	PEC. DEL.	EG'STD	EL'GR'M	A. R.
■	·	·	·	·	·

ROUTING SLIP
OFFICE OF THE ADMINISTRATOR

E 10/8/51

TO
HOWARD I. YOUNG

FROM
JESS LARSON

PLEASE TAKE THE ACTION INDICATED BELOW:

1 [ ] PREPARE REPLY FOR MY SIGNATURE
2 [ ] SEE ME ABOUT ATTACHED
3 [ ] FOR CORRECTION AND RETURN
4 [ ] RETURN WITH YOUR COMMENTS
5 [ ] INVESTIGATE AND REPORT
6 [✓] ANSWER AND FURNISH ME COPY OF YOUR REPLY
7 [ ] NECESSARY ACTION
8 [ ] NOTE AND RETURN
9 [ ] FOR CONCURRENCE AND RETURN
10 [ ] APPROVAL
11 [ ] YOUR INFORMATION
12 [ ] FILING
13 [ ] SIGNATURE
14 [ ] IMMEDIATE ACTION

COMMENT

GSA-WASH DC 51-4861

GSA FORM 8
April 1951

TOM L. CARRICK
144 2nd Avenue
Salt Lake City
Utah

September 27
1 9 5 1

Mr. Jess Larson
D. M. A.
Washington, D.C.

Dear Sir:

Many months ago I made an application for a D.M.A. Loan to develop the Sedalia Mine near Salida, Colorado, and was given Docket Number D.M.A. 1188X. This was on May 18, 1951.

I have read that Fred Searls, Jr., Fletcher and the representatives of the larger mining concerns will not allow any of the D.M.A. money be loaned to small operators. Will you please advise me whether this is actually true.

If not, kindly advise me what steps are now necessary to obtain a loan on the Sedalia Mine D.M.A. Docket Number 1188X.

This mine has produced a very considerable amount of the metals now said to be lacking and will, no doubt, furnish at least as much again if reopened and worked.

Any information or advice you see fit to give me will be greatly appreciated.

Most sincerely yours,

Tom L. Carrick

Tom L. Carrick

24884 5 OCT 8 '51

GENERAL SERVICES ADM.
COMM. & RECORDS BR
STATION 1

OCT 8 10 13 AM '51

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RECEIVED

OCT 8 10 27 AM '51

G.S.A.
OFFICE OF ADMINISTRATOR

Tom L. Carrick
144 2nd Avenue
Salt Lake City
Utah

DENVER
SEP 27
1950
8 PM

VIA AIR MAIL

Mr. Jess Larson

D. M. A.

Washington, D. C.

NOT LISTED IN DEPARTMENT OF AGRICULTURE DIRECTORY

VIA AIR MAIL

GENERAL SERVICES ADMINISTRATION
WASHINGTON, D.C. 20405
OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300.
(PMGC)

DEFENSE MATERIALS PROCUREMENT AGENCY

WASHINGTON 25, D. C.

OFFICIAL BUSINESS

Mr. C. O. Mittendorf
Acting Administrator, DMA
Department of the Interior
Room 4640 New Interior Bldg.
~~Washington 25, D. C.~~

July 27, 1951

Ref: [illegible]-11[illegible]X

Mr. [illegible] Moynahan
[illegible] Bank Building
Denver 2, Colorado

Dear Mr. Moynahan:

Your letter of July 18 to Mr. J. H. Bowen has been referred to us for reply.

In accordance with Mr. Bowen's letter of June 21, we suggest that Mr. Carrick submit an application for a loan to have a geological and engineering examination made of his property together with necessary sampling. The application should be submitted on Form DF-1 3.

The examination may be made by any geologist or engineer the applicant chooses, provided the Defense Minerals Administration is satisfied as to his competence and reliability.

Very truly yours,

[signature]

[illegible] Billings, Chief
[illegible] Branch

[illegible]Moynahan:mp
7-27-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, [illegible] Br.
[illegible] McKnight [illegible]
[illegible] Hote
Reports & Records
Directors r. file [illegible]
Br. r. file [illegible]
Files

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

G.E.

July 10, 1951

DMA-1188X
Sedalia Mine
Colorado

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Dear Mr. Carrick:

Your letter of June 8 addressed to Mr. J. B. Gowen, Chief Copper Branch, was referred to me this morning.

Your application for approval of an exploration project amounting to $50,000 was forwarded to the Lead-Zinc Branch of DMA on July 3. Because of the large number of exploration applications now on hand, it will not be possible to give immediate consideration to your project. However, we shall endeavor to handle it as promptly as possible.

In case I can be of further assistance to you in this connection, please let me know.

Very truly yours,

Otto Herres

OTTO HERRES, Chief
Lead-Zinc Branch

OHERRES:ks

cc: Reports & Records Unit
Mote
McKnight
Herres
Files

6/21/51

Re: Docket No. DMA-1188X

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Dear Mr. Carrick:

This is to acknowledge and reply to your letter of June 8, 1951 concerning your application for an Exploration loan for the Medalia Mine in Colorado.

The Copper Branch of the Defense Minerals Administration has studied your application and wishes to make several comments and suggestions.

We note that you expect to interest capital for one half the total expenditure. We feel that there should be some definite assurance on the part of the applicant that he is both willing, and in position to furnish his share toward the cost of a project before his application is processed.

Application Form MP-103 requires that the proposed work be quite definitely defined and shown on maps or sketches, indicating the purpose of the work, and accompanied by data showing the detailed cost of each item. The project area must be defined because the government's share of the cost would be paid back in the form of royalties on production from the project area in case there should be any production within ten years of the date of the contract.

It is noted that you have a ten year lease on the property starting in February, 1951 providing for a sliding scale of royalty rates. These rates are such that you could not afford to ship concentrates. There are also other phases of the lease which might be objectionable to the government in case your application were approved. It would not be economical to maintain mine workings not necessary to the exploration project. If the project as finally outlined should require the sinking of winzes or driving prospect raises, the size of these should be determined by the object of the work rather than the terms of the lease.

You state in your application that the mine has already produced over $9,000,000 worth of copper and zinc and that the major production was in the period from 1883 to 1907. Lindgren, however, said that the total production was believed to be 60,000 to 75,000 tons of ore containing upwards of 5 per cent copper. Bureau of Mines data show a production estimated at 85,000 to 100,000 tons from 1883 to date. We would appreciate any data which might further enlighten us on this question.

Your map shows several extensive unmined blocks marked as "ore". We wonder if you have any geological, sampling or assay data which you might give us to substantiate the existence of these ore blocks. In case the workings are accessible it might be advisable to revise your application and dilineate a project which forsees the geological mapping and sampling of all exposed ore in the mine. Any further action could be made contingent upon the results of such an investigation. A certain amount of reopening at portals might be necessary, but such an investigation should be carried out before a program of diamond drilling could be properly laid out.

It is also necessary that the project costs be itemized as required under paragraph 23, Form MF 103. To summarize it is essential to work out in detail, all of the information requested under paragraphs 20, 21, 22, 23 and 24 on Form MF 103. We are enclosing herewith another copy of Form MF 103.

Very truly yours,

JB Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosure

JBGowen:jp

Copy to: Executive Officer, DMA Field Team IV, w.c.i.
Executive Secretary, w.c.i.
Copper Branch, w.c.i. 2592 RM.
Files

EXAMINATION
APPRAISAL
MANAGEMENT
CONSULTATION

A. E. MOYNAHAN
ENGINEER OF MINES AND METALLURGY
Graduate of Colorado School of Mines—Class of 1900
UNITED STATES NATIONAL BANK BUILDING
CHERRY 3802
DENVER 2, COLORADO

PRECIOUS METALS
BASE METALS
NON-METALS
OIL SHALE

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 0 1951
LANDON F. STROBEL
Executive Secretary

July 18
1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 4 1951
LANDON F. STROBEL
Executive Secretary

Mr. J. B. Gowen,
Acting Chief
Copper Branch, DMA
U. S. Department of the Interior
Washington 25, D. C.

Dear Mr. Gowen:

Re: Docket No. DMA-1188X - T. L. Carrick

Your letter address to Mr. T. L. Carrick, 144 Second Avenue, Salt Lake City, in answer to his letter to you under date of June 8, 1951, has been referred to me for reply.

Mr. Carrick expected to interest the London Extension Mining Company in furnishing a half of the expenditures on the Sedalia property. The Newmont Company and the Kennecotte Copper Company have also both promised to send engineers to the mine, but have not done so as yet and will likely not do so until you, for the D.M.A. have passed favorably on the project.

The area that was considered when Application MF-103 was made was any and all parts of the property below the faulting. I believe that is as definite an area as can be stated, until some knowledge of the nature and extent of the faulting is obtained.

Regarding the lease I believe any reasonable change in the wording can be obtained. However, it is likely that the milling of any ore produced will be done by a separate concern.

A report made in 1917 on the Sedalia Mine by Mr. J. H. Freeman, an engineer, long a resident of Salida, Colorado, states that the total production of the Sedalia Mine was Nine Million Dollars. I am sending you a copy of his stope

JUL 24 1951

maps but regret that I have no copy of his report available now.

While I have never sampled the Sedalia Mine myself, I am of the opinion that there remains unmined a very considerable quantity of ore above the fault. However, I have the feeling that Mr. Freeman's estimates of the ore already mined and remaining to be mined, are to say the least optimistic.

Mr. Crosette was an engineer employed by the U.S.S.R.M. Exploration and he told me that he knew where to find the ore below the fault but gave no further information.

I think the next to the last paragraph of your letter is likely the correct analysis of this situation, but the steps necessary to do as you suggest need explanation.

Would it not be feasible to have the U. S. Bureau of Mines, not the D.M.A. work out the geology and do the sampling - that you suggest? It is no small undertaking.

Sincerely yours,

A. E. Moynahan

A. E. Moynahan

DRAFT DMA

May 23, 1951

Memorandum

To: Mr. Gowen

From: Johnson

Subject: Sedalia Mine (DMA-1188X)

Following are some notes on the subject application. Applicant states that he expects to interest capital for one half of the total expenditure. Before any field investigation is made he should among other things be required to give assurance that the money is available. It does not seem proper that the government should get into the position of offering to put up funds, if private capital will match them. In other words, we do want the applicant promoting on the basis of expressed interest by the government.

The applicant should be required to lay out the proposed work on maps or sketches of the workings, indicating the purpose of each item of work. He does not say what he proposes to do.

The applicant should likewise detail the cost of each item of work as required by the application form.

The applicant probably should then define the project area more closely.

It is noted that the applicant has a ten year lease, starting in February, 1951 providing for a sliding scale of royalty rates. The rates are such that he could not afford to ship concentrates thereunder.

He has one year in which to begin work under the lease.

The Sedalia mine is described in Geological Survey Bulletin 340, pages 161 to 166, "Copper in Chaffee, Freemont and Jefferson Counties, Colorado" by W. Lindgren, 1907. Lindgren's information regarding past production and some of the observations regarding the mine itself, appear to be based on hearsay rather than actual records or his own observation. Briefly, he states that the ore body occurs in PreCambrian schists. The schists strike east and west, dip 50 degrees to 70 degrees south. They are cut by pegmatite dikes, chiefly a large one 50 feet thick, dipping 70 degrees north. The ore body is said to be conformable with the schists and to be in the form of a flat lense 800 feet long and up to 150 feet thick, consisting of various types of schistose rocks, impregnated with copper minerals. At the time of Lindgren's examination there were three main levels. He states that the dike cuts off the ore body above the lowest level. He also states that in one place, the workings are said to have crossed the dike. Some of the stopes were 50 feet wide. He said that much low grade ore containing 2 percent copper was said to remain in the workings. The ore is a mixture of limonite, malachite, cuprite, chalcocite, chalcopyrite and a little sphalerite, galena and cerusite. The ore is largely oxidized in the upper 200 feet with only residual sulphides and secondary chalcocite. On the lowest level, the ore is chiefly sulphide but with incipient oxidation.

There is a report on this mine in the Bureau files and further information will be available as soon as that report is in hand.

The applicant states that the mine has already produced over $9,000,000 worth of copper and zinc and that the major production

was in the period 1883 to 1907. Lindgren, however, said that the total production was believed to be 60,000 to 75,000 tons of ore containing upwards of 5 percent copper.

A few minor errors are noted on the ~~one copy of the~~ mine map, submitted by the applicant. The~~se~~ maps presumably ~~were~~ was traced from others in possession of the applicant ~~maps~~ and the errors made in tracing. It is noted that blocks of ore are indicated in numerous places but no evidence is submitted by the applicant to substantiate the existence of such ore. The applicant should be asked if there is any information available on that point, such as assay maps or engineering reports.

The impression gained is that the applicant does not know what he wants to do, and that he has acquired the lease without means of operating it, ~~a property chiefly in~~ ~~possibly in~~ hopes of raising some government funds.

During the first World War, according to information submitted by the applicant, the Hidden Treasure Mining and Leasing Company produced from the Sedalia mine about $345,000 worth of copper and zinc, ~~almost wholly in the value,~~ almost wholly in copper. The total tonnage was 21,705.

The mine was examined by C. R. Willfley, Bureau of Mines, in Nov. 1942. Notes from his report follow:
Prod 1904–1921 51,954 tons av. 3.85 copper, 9.36 zinc, 0.008 gold, 1.5 silver, most of the zinc lost due to shipments to copper smelters. Total prod. ~~to~~ 1883–date est 85,000 to 100,000 tons. Owner, Anna A. Preston, lessee, Victory Copper Mining Co. Ore ~~deposits~~ is formed by ~~extremely irregular~~ impregnation of ~~sh~~ schist by copper and zinc minerals; orebodies ~~besides~~ very irregular. The "vein" strikes N 65° E

and dips 65° southeast. Dike cuts the "vein" above the bottom level; no ore of consequence found below the dike. Crossfaults, striking N 20° W and dipping 40° to 70° W terminate upper level stopes. There are two ~~possible~~ places on bottom level where ~~search for~~ faulted segments might be searched for, but in view of extensive bottom level workings, deposit as a whole is believed to be bottomed. Remaining upper-level ore would be too costly to mine and too difficult to mill, due to partial oxidation, to ~~pay~~ be profitable. No sampling was done. At best, the tonnage that might be found would be small.

Notes re Schedule annual. (Cont)

Appl. should lay out proposed work on maps or sketches of workings, indicating purpose of each item and schedule. ~~It~~ Appl. does not say what expl. he proposes to.

Appl should ~~of~~ define the project area, and not necessarily the total claim group.

Should detail the cost.

? in answer the questions re financing more specifically.

37.50

Eisenhower – Wogan

Phelps Burke

431

1378

3147

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-1188 X

Date received 5/17/51

Participation

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1951

Estimated cost $50,000.00

Mineral or metal Copper, Lead & Zinc

Percentage of Government participation 50%

Location of mine 4 miles west of Salida, Chaffee County, Colorado

Date of filing MF-100

DMA Docket Number, if available dma-1188 X

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.

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners. None

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. None

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Will be managed by A.E. Moynahan, E.M., 704 USNat'l Bank Bldg Denver, Colorado

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

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. Lease 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. None

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)? Expect to interest Capital for one half total expenditure.

* 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. See Map

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See Map

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. Sedalia Mine

*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. 2 mi. to DRGWRR, 4 mi. west of Salida

*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. None

15. State in detail how the ore could be shipped and how and where milled. DRGWRR to Leadville, Colo.

*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. See Map

(*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: Dormant since 1918

	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. Partially oxidized copper, zinc mineral

(*b*) Submit available maps and assay data. enclosed

(*c*) Give estimated tonnage and grade of each class of ore reserves. Very large-unable to estimate

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

Ore body has been cut with a fault. Extension of ore body can likely be found

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? See #18

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. Geological survey diamond drilling & developement ~~xx~~ 2 yr. period.

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.

Mine has already produced over $9,000,000.00 of copper & Zinc.

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. (Mine entirely unequipped with buildings or machinery)

(*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. Expect to start operations 90 days after approval--due to lack of equipment & machinery estimate 60% of money to be used first year.

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.

(Name of company) By (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-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1188X

Date received 5/17/51

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah

Name and address of applicant

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? Copper - Zinc
   (b) What are the byproducts, if any? Lead - Garnet - Currundum
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Sedalia Mine
   (a) Linear feet of shafts. 1000
   (b) Linear feet of drifts and crosscuts. 5000
   (c) Linear feet of tunnels or adits. 5900
   (d) Linear feet of other mine openings (explain briefly). 1000

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Not flooded
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 6 miles to Salida, Colo.
   (b) Mining district. Cleora
   (c) Township, Section, Range. Section 17+18, Township 50 N, Range 9 East of 6 PM
   (d) County, State. Chaffee County, Colorado
4. (a) State whether or not property is now in operation, and if in operation, by whom operated. Non Operating
   (b) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee. (Will be operating as Lessee)
   - ☐ Contractor.
5. Number of years in production Dormant

   If not in production or operation, estimated date when production will begin ~~90 days after approval of~~ contract
6. Experience of operators:

   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project. Applicant negligible--Manager 50 yrs. Mining Engineer & actual mining operations
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Major production 1883 to 1907. See USGS Bul #340 or 1907
   (b) State briefly the known history and production of adjoining and neighboring properties. None
   (c) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. None available

16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Not a Corporation

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Dormant

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. True fisher vein in the precambering schists. Fisher seems to have been caused [illegible] pegmatite dyke. Both vein and dyke have been faulted but can [illegible]kely be recovered. Maximu[illegible]idth of vein 50ft. Production is estim[illegible]ted as $9,000,000.00 mostl[illegible]n copper. It is stated [illegible] tons of this [illegible]

that 60,000 to 75,0[redacted] ore treated [redacted] Canon City prior to 1907

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. None available, no doubt considerable there

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: No bearing as vein is opened beyond the fault.

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer: Not applicable

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

2 miles very soft dirt road & 4 miles paved hiway to Salida.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: Springs, but not piped in, water available if new ore justifies,

State amount of power used, rate per hour, and source thereof.

Lines to industry but none to mine.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Unknown as mine is dormant.

17. Equipment and Facilities: None TOTALLY UNEQUIPPED

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

None

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.

(Name of company) By (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 y department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Air Mail

WESTERN HOTELS INC.

The Newhouse

SALT LAKE CITY, UTAH

June 8, 1951

Mr. Landon F. Strobel
Executive Secretary
United States Department of the Interior
Defense Minerals Administration
Washington 25, D.C.

Subject: DMA-1188X
Re: Exploration Loan
Sedalia Mine (Colorado)

Dear Sir:

I hereby acknowledge receipt of your letter of May 23rd. Thanking you for your courtesy, I remain

Very truly yours,

T. L. Carrick

T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1951
LANDON F. STROBEL
Executive Secretary

SEATTLE, WASH.
New Washington
Benjamin Franklin
Mayflower
Roosevelt
Waldorf

TACOMA, WASH.
Winthrop
WENATCHEE, WASH.
Cascadian
WALLA WALLA, WASH.
Marcus Whitman

OLYMPIA, WASH.
Olympian - Governor
MT. VERNON, WASH.
President
BELLINGHAM, WASH.
Leopold
SALT LAKE CITY, UTAH
Newhouse

PORTLAND, ORE.
Multnomah - Benson
BOISE, IDAHO
Boise - Owyhee
POCATELLO, IDAHO
Bannock
BILLINGS, MONT.
Northern

VANCOUVER, B.C.
Georgia
SAN FRANCISCO, CALIF.
Sir Francis Drake - Maurice
LOS ANGELES, CALIF.
Mayfair

'Many fine hotels in the West'

'Affiliated For Better Service'

EXAMINATION
APPRAISAL
MANAGEMENT
CONSULTATION

PRECIOUS METALS
BASE METALS
NON-METALS
OIL SHALE

A. E. MOYNAHAN

ENGINEER OF MINES AND METALLURGY

Graduate of Colorado School of Mines—Class of 1900

UNITED STATES NATIONAL BANK BUILDING
CHERRY 3802
DENVER 2, COLORADO

June 20, 1951.

Mr. Tom Lyons, Chairman
Coordinating Defense Minerals Assoc.
Interior Bldg.
Washington 25, D. C.

Dear Tom;-

Mr. T. S. Carrick of Salt Lake City has applied for a Defense Mineral Loan on the Sedalia Mine near Salida. This application is Docket No. D.M.A. 1188 X and has been sent to the Copper Branch. As the future production of this mine is likely to have zinc as the predominating metal, I believe it should rightfully be sent to the Zinc Branch for consideration.

In any case, if you are in a position to secure action on this application, I will greatly appreciate any assistance you render.

I am acting as Engineer for Mr. Carrick.

I have just returned from a visit to Goldacres. We have developed eleven million tons of ore there and the vein continues in all directions.

Since you now have a voice in our government, I hope you will have the price of gold raised as Goldacres is getting to be too tight a squeeze.

With kindest regards and best wishes.

Sincerely,

A. E. Moynahan

A. E. Moynahan.

AEM:MEW

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 25 1951
LANSON F. STROBEL
Records Officer

May 23, 1951

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Subject: DMA-1188X
Re: Exploration Loan -
Sedalia Mine
(Colorado)

My dear Mr. Carrick:

Receipt is acknowledged of your application and attachments of May, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1188X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1188X.

Sincerely yours,

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel -2
Gowen
Files
Lyon

May 23, 1951

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Subject: DMA-1188X
Re: Exploration Loan -
Sedalia Mine
(Colorado)

My dear Mr. Carrick:

Receipt is acknowledged of your application and attachments of May, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1188X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1188X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel -2
Gowen
Files
Lyon

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-1188X

Date received 5/17/51

Participation

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1951

Estimated cost $50,000.00

Mineral or metal Copper, Lead & Zinc

Percentage of Government participation 50%

Location of mine 4 miles west of Salida, Chaffee County, Colorado

Date of filing MF-100

DMA Docket Number, if available Dma-1188X

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.

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners. None

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. None

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Will be managed by A.E.Moynahan, E.M., 704 USNat'l Bank Bldg Denver, Colorado

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

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. Lease isin 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. None

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)? Expect to interest Capital for one half total expenditure.

*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. See Map

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See Map

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. Sedalia Mine

*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. 2 mi. to DRGWRR, 4 mi. west of Salida

*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. None

15. State in detail how the ore could be shipped and how and where milled. DRGWRR to Leadville, Colo.

*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. See Map

(*b*) State briefly the known history and production of adjoining and neighboring properties.

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(*a*) If mine is in production, furnish the following information: Dormant since 1918

	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. Partially oxidized copper, zinc mineral

(*b*) Submit available maps and assay data. enclosed

(*c*) Give estimated tonnage and grade of each class of ore reserves. Very large-unable to estimate

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

Ore body has been cut with a fault: Extension of ore body can likely be found.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? See #18

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. Geological survey diamond drilling & developement ~~&~~ 2 yr. period.

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.

Mine has already produced over $9,000,000.00 of copper & Zinc.

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. (Mine entirely unequipped with buildings or machinery)

(*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. Expect to start operations 90 days after approval--due to lack of equipment & machinery estimate 60% of money to be used first year.

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.

---------- (Name of company)

By ---------- (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-1188X

Date received 5/17/51

Participation

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1951

Estimated cost $50,000.00

Mineral or metal Copper, Lead & Zinc

Percentage of Government participation 50%

Location of mine 4 miles west of Salida, Chaffee County, Colorado

Date of filing MF-100

DMA Docket Number, if available Dma-1188X

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.

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners. None

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. None

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Will be managed by A.E.Moynahan, M.E.M., 704 USNat'l Bank Bldg Denver, Colorado

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

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. Lease isin 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. None

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)? Expect to interest Capital for one half total expenditure.

*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. See Map

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See Map

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. Sedalia Mine

*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. 2 mi. to DRGWRR, 4 mi. west of Salida

*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. None

15. State in detail how the ore could be shipped and how and where milled. DRGWRR to Leadville, Colo.

*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. See Map

(*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: Dormant since 1918

	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. Partially oxidized copper, zinc mineral

(*b*) Submit available maps and assay data. enclosed

(*c*) Give estimated tonnage and grade of each class of ore reserves. Very large-unable to estimate

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions. Ore body has been cut with a fault. Extension of ore body can likely be found

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? See #18

21. Describe briefly but concisely, the proposed work and the estimated time required to complete it. Geological survey diamond drilling & developement in 2 yr. period.

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. Mine has already produced over $9,000,000.00 of copper & Zinc.

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. (Mine entirely unequipped with buildings or machinery

(*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. Expect to start operations 90 days after approval--due to lack of equipment & machinery estimate 60% of money to be used first year.

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.

---------- (Name of company)

By ---------- (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-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma - 1188X

Date received 5/17/51

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah
Name and address of applicant

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Copper - Zinc
   (*b*) What are the byproducts, if any? Lead & Garnet - Currundum
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Sedalia Mine
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 1000
   (*c*) Linear feet of tunnels or adits. 5000
   (*d*) Linear feet of other mine openings (explain briefly). 5000
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. 1000 Not flooded
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 6 miles to Salida, Colo.
   (*b*) Mining district. Cleora
   (*c*) Township, Section, Range. Section 17+18, Township 50N, Range 9 East of 6 PM
   (*d*) County, State. Chaffee County, Colorado
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Non Operating
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☒ Contractor (Will be operating as Lessee)
5. Number of years in production Dormant
   If not in production or operation, estimated date when production will begin 90 days after approval of contract
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Applicant negligible--Manager 50 yrs. Mining Engineer & actual mining operations
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Major production 1883 to 1907. See USGS Bul #340 of 1907
   (*b*) State briefly the known history and production of adjoining and neighboring properties. None
   (*c*) Furnish any available (private) reports that may apply to this application, including reports of mine examinations, recommended exploration and development, and metallurgical investigations. None available

16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Not a Corporation

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Dormant

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. True fisher vein in the precambering schists. Fisher seems to have been caus[illegible] pegmatite dyke. Both v[illegible] and dyke have been faulted but can [illegible] be recovered. Maxim[illegible]dth of vein 50ft. [illegible] 63792-1

Production is est[illegible] $9,000,000.00 most[illegible] copper. It is stated that 60,000 to 75,[illegible] tons of this Ore treate[illegible] Canon City prior to 1907

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. None available, no doubt considerable there

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: No bearing as vein is opened beyond the fault.

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer: Not applicable

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

2 miles very soft dirt road & 4 miles paved hiway to Salida.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

Springs, but not piped in, water available if new ore justifies,

15. Power:

State amount of power used, rate per hour, and source thereof.

Lines to industry but none to mine.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Unknown as mine is dormant. TOTALLY UNEQUIPPED

17. Equipment and Facilities:

None

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

(Name of company) By (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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

LEASE AND OPTION

THIS INDENTURE, made this 21st day of February in the year of our Lord one thousand nine hundred and fifty-one, between ANNE A. PRESTON of 21 South Downing, Denver, Colorado, and ALLISON PRESTON CORNELL GOODHEART of 4400 East First Avenue, Denver 7, Colorado, Lessors and Optionors, and TOM L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, Lessee and Optionee,

W I T N E S S E T H:

That the said Lessors and Optionors, for and in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed and by the said Lessee and Optionee to be paid, kept, and performed, have granted, demised and let, and by these presents do grant, demise and let unto the said Lessee and Optionee all of the following described mines and mining property situate in Cleora Mining District, County of Chaffee, and State of Colorado, to-wit:

> The Sedalia, U.S. Patent No. 3710; The Sedalia No. 2, U.S. Patent No. 17696; The Sedalia No. 3, U.S. Patent No. 17696; The Copper Prince, U.S. Patent No. 5330; The Hidden Treasure, U.S. Patent No. 5769; and The Sarah Jane, U.S. Patent No. 5770, in Cleora Mining District, in the County of Chaffee and State of Colorado. The patents of which are recorded in Book 62 at page 237; Book 121 at pages 121 and 130; Book 62 at pages 233, 225 and 229, respectively, of the records in the office of the County Clerk and Recorder of Chaffee County, Colorado, all the aforesaid property being in the County of Chaffee and State of Colorado, aforesaid.

To Have and To Hold unto the said Lessee and Optionee from the date hereof to and including 12:00 o'clock noon on the 21st day of February, A.D. 1961, unless sooner forfeited

or terminated through violation of any covenant against the said Lessee and Optionee reserved, and in consideration of such demise, the said Lessee and Optionee does covenant and agree with the said Lessors and Optionors as follows, to-wit:

1. To enter upon said mines and premises on or before February 21, 1952, and to work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the development and preservation of the same as a workable mine, and to the special covenants hereinafter reserved.

2. To perform at least one hundred (100) shifts of work of eight (8) hours each monthly upon said mining claims and property during the life of this instrument from the date of the commencement of operations as hereinabove provided. By the term month is meant thirty (30) days.

3. To well and sufficiently timber said mine at all points where proper in accordance with good mining, and to repair all old timbering wherever it may become necessary, in any tunnels, drifts, shafts or inclines being worked by said Lessee and Optionee.

4. To allow said Lessors and Optionors and their attorneys or agents, from time to time to enter upon and into all parts of said mine or mining premises for the purpose of inspection.

5. To occupy and hold all cross or parallel lodes, spurs, mineral cleavage, non-metallics or deposits of any kind, which may be discovered by the said Lessee and Optionee, or any person under him in any manner, by working within or from the demised ground as the property of said Lessors and Optionors, with privilege to the said Lessee and Optionee of working the same as parcel of said demised premises and of purchasing the same under the Option hereinafter contained.

6. To keep at all times the drifts, shafts, tunnels and other workings thoroughly drained, and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

7. To make all shafts seven feet long by four feet wide in the clear, and all drifts six feet high by four feet wide in the clear, and to perform the necessary amount of work required to be performed each year under either State or Federal laws on unpatented mining claims, and to file the requisite proof of labor or other such document as may be required by law to protect the title of Lessors and Optionors.

8. To pay as royalty five (5%) percent of the value per ton of all ores having a value up to Twenty

($20.00) Dollars per ton; fifteen (15%) percent on all ores having a value from Twenty ($20.00) Dollars to Fifty ($50.00) Dollars per ton; twenty (20%) percent on ores having a value of Fifty ($50.00) Dollars to One Hundred ($100.00) Dollars per ton; and twenty-five (25%) percent on all ores having a value of One Hundred ($100.00) Dollars or more per ton; and the said Lessee and Optionee agrees to make settlement for all of said royalties on or before the 10th day of each month for all ores mined and sold from said premises during the preceding month upon which returns have been received, and to furnish at the time of making said payment, full and accurate statements of all ores mined, sold and paid for during said preceding month; said royalties to be computed upon net mill or smelter returns.

9. It is further covenanted and agreed by and between the parties aforesaid that the said Lessee shall not be responsible for any hindrance or delay in working and mining said property that may be caused by any injunction or other legal proceedings that may be commenced by any person or persons not parties to this Lease and Option, and neither shall said Lessee be held responsible for any hindrance or delay in working and mining said property by strikes, lock-outs or acts of the public enemy.

10. The Lessee agrees to promptly pay for all labor and supplies.

11. No lien of any kind shall be created or suffered to attach or be in any manner created by the said Lessee upon or against said premises or any part thereof. The Lessee shall keep and maintain posted at all times in a conspicuous place in each and every entrance to the mine and on the buildings a notice in clear and legible characters, in substance as follows:

"N O T I C E

Notice is hereby given to all parties performing labor or furnishing skill, materials, machinery or other fixtures or supplies of any kind in, to and for the use of the Lessee upon any part or portion of this leased mining property, being a part on which this notice is posted, that the undersigned, owners of the property, will not be responsible for any labor performed or any skill, materials, machinery, fixtures or supplies of any kind furnished to or for the benefit of the Lessee, nor shall any interest of the owners be subject to any lien for same, and all persons are hereby notified that these premises have been and are now leased to TOM. L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, and his assigns and successors, to whom all persons must look for their compensation and pay.

Dated February 21, 1951. By ANNE A. PRESTON

ALLISON PRESTON
CORNELL GOODHEART

Owners."

And the Lessee is hereby appointed the agent of the Lessors for the sole and only purpose of posting and keeping posted such notice on said leased premises, and any failure at any time to so keep and maintain posted such notices, or any of them, as herein required, shall constitute an immediate forfeiture of this Lease, and the same shall henceforth at once be null and void and said Lessee shall become trespasser upon said property and may be proceeded against for unlawful detainer and shall be considered without further rights therein.

12. The Lessee shall not be considered the agent of the said Lessors in any manner connected with the use and operation of the said leased premises, except where such agency is expressly declared in this agreement, and then only to the extent provided.

13. The Lessee agrees to assume all reponsibility for and save the Lessors harmless for any and all accidents to the Lessee or any of his employees, licensees, agents, associates, or visitors upon the property of the Lessors, or in being conveyed to or from the leased premises by the Lessee, his agents, servants or employees, or any person other than the Lessors, her visitors or agents, and those acting for them, and if necessary for the protection of the Lessors, forthwith post and at all times keep posted at the main workings upon the premises hereby leased, a conspicuous notice stating in substance that the premises are leased to the Lessee, and the Lessors will not, under any circumstances, be liable for damages on account of any accident, and the Lessors shall in no circumstances be liable to the Lessee, his agents, servants, employees, licensees, associates, visitors, or any other person acting under the Lessee, on account of any accident. And for further protection, the Lessee agrees to comply with, in all respects, the Workmen's Compensation Laws of the State of Colorado now in force or which may be hereafter enacted for the protection of the employees working on said premises.

14. Said Lessee further agrees as one of the conditions covenanted and agreed by and between the parties hereto, that the said Lessee shall indemnify and save harmless the Lessors herein from any and all accidents or causes of action that may or might accrue or arise by reason of the operation of the premises herein demised and leased, and particularly with reference to any proceedings for damages or injunctions that may be sought or actions to obtain injunctions.

15. Whenever the Lessee is prevented from operation of the leased premises, or whenever, under the terms of this Lease, any act or thing shall be performed or done by the Lessee and he is so prevented by an act of God, strikes,

a public enemy and unusual casualties beyond his control, he shall be excused from such action or performance as long as such action and condition aforesaid shall prevent such action or performance, and such causes shall not constitute a cause for cancellation of said Lease.

16. Lessee and Optionee to deliver to said Lessors and Optionors the said premises with the appurtenances, and all improvements in good order and condition with all drifts, shafts, tunnels and other passages thoroughly clear of loose rock and rubbish and drained, and the mine ready for immediate continued working (accident not arising from negligence alone excusing) without demand or further notice on the said 21st day of February, A.D. 1961, atnoon, or at any time previous upon demand for forfeiture.

17. Lessee and Optionee shall have the right to transfer and assign the within Lease and Option to any company which may be formed for operating under the within Lease and Option, or to make assignments of interest in the within Lease and Option to individuals or companies.

18. And finally, that upon violation of any covenant or covenants hereinbefore reserved, the terms of this Lease shall, at the option of said Lessors and Optionors expire, unless the said Lessee and Optionee within sixty (60) days of receiving notice of such violation shall correct the same. In the event of failure of said Lessee and Optionee to correct said default or violation, the within Lease and said premises with the appurtenances shall become forfeit to said Lessors and Optionors, and the said Lessors and Optionors, or their agents, may thereupon after demand for possession in writing, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said Lessors and Optionors the said Lessee and Optionee and all persons found in occupation may be proceeded against as guilty of unlawful detainer, and upon forfeiture or surrender of the within Lease and Option, the said Lessee and Optionee shall have ninety (90) days within which to remove any machinery, tools or equipment that can be removed without damage or injury to any permanent structure upon said mining premises, and should the said Lessee and Optionee fail to remove said machinery, tools and equipment within said ninety (90) day period, then the same shall become the property of Lessors and Optionors.

OPTION

And in consideration of the acceptance of the foregoing Lease and the expenditures to be made thereunder, and the well and faithful keeping of the covenants thereof, the said Lessee shall have the right to purchase the said demised

premises by a payment of the sum of Fifty Thousand ($50,000.00) Dollars on or before February 21, A. D. 1961, and should the said Lessee and Optionee exercise the right of option hereby given, all the terms of the foregoing Lease shall be considered as extended to and applying to the operation of said premises pending operations under the Option, and royalties paid under the terms of the within Lease shall not apply on the purchase price.

Time is of the essence of this Option as to such payment of Fifty Thousand ($50,000.00) Dollars, and upon the tender of such payment as hereinabove provided, the Lessors and Optionors shall make, execute, acknowledge and deliver, at their own expense, a good and sufficient mining deed to be delivered to the said Lessee and Optionee, or to such person or company as he shall nominate, conveying the said premises clear of all encumbrances, or the said Lessors and Optionors upon the written request of the Lessee and Optionee shall make, execute, acknowledge and deposit with The First National Bank at Salida, Colorado, a good and sufficient deed to be held subject to the within Lease and Option, accompanied by an abstract of title.

The forfeiture, surrender, or termination of the above Lease for any cause shall render this Option void, and the above mentioned payments may not thereafter be tendered.

Each and every clause, covenant and paragraph of this Indenture shall extend to the heirs, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year herein

first above written.

/S/ Anne A. Preston (SEAL)

/S/ Allison Preston Cornell Goodheart (SEAL)
Lessors and Optionors

/S/ Tom L. Carrick (SEAL)
Lessee and Optionee

STATE OF COLORADO }
City and } SS:
County of Denver }

The foregoing instrument was acknowledged before me this 5th day of March, A .D. 1951, by ANNE A. PRESTON and ALLISON PRESTON CORNELL GOODHEART.

Witness my hand and Notarial Seal.

My Commission expires April 29, 1951.

(S E A L)

/S/ Robert E. Lee
Notary Public

STATE OF UTAH }
County } SS:
of Salt Lake }

The foregoing instrument was acknowledged before me this 12th day of March, A .D. 1951, by TOM L. CARRICK.

Witness my hand and Notarial Seal.

My Commission expires August 7, 1952.

(S E A L)

/S/ Claude A. Stoney
Notary Public

LEASE AND OPTION

THIS INDENTURE, made this 21st day of February in the year of our Lord one thousand nine hundred and fifty-one, between ANNE A. PRESTON of 21 South Downing, Denver, Colorado, and ALLISON PRESTON CORNELL GOODHEART of 4400 East First Avenue, Denver 7, Colorado, Lessors and Optionors, and TOM L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, Lessee and Optionee,

W I T N E S S E T H:

That the said Lessors and Optionors, for and in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed and by the said Lessee and Optionee to be paid, kept, and performed, have granted, demised and let, and by these presents do grant, demise and let unto the said Lessee and Optionee all of the following described mines and mining property situate in Cleora Mining District, County of Chaffee, and State of Colorado, to-wit:

> The Sedalia, U.S. Patent No. 3710; The Sedalia No. 2, U.S. Patent No. 17696; The Sedalia No. 3, U.S. Patent No. 17696; The Copper Prince, U.S. Patent No. 5330; The Hidden Treasure, U.S. Patent No. 5769; and The Sarah Jane, U.S. Patent No. 5770, in Cleora Mining District, in the County of Chaffee and State of Colorado. The patents of which are recorded in Book 62 at page 237; Book 121 at pages 121 and 130; Book 62 at pages 233, 225 and 229, respectively, of the records in the office of the County Clerk and Recorder of Chaffee County, Colorado, all the aforesaid property being in the County of Chaffee and State of Colorado, aforesaid.

To Have and To Hold unto the said Lessee and Optionee from the date hereof to and including 12:00 o'clock noon on the 21st day of February, A.D. 1961, unless sooner forfeited

or terminated through violation of any covenant against the said Lessee and Optionee reserved, and in consideration of such demise, the said Lessee and Optionee does covenant and agree with the said Lessors and Optionors as follows, to-wit:

1. To enter upon said mines and premises on or before February 21, 1952, and to work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the development and preservation of the same as a workable mine, and to the special covenants hereinafter reserved.

2. To perform at least one hundred (100) shifts of work of eight (8) hours each monthly upon said mining claims and property during the life of this instrument from the date of the commencement of operations as hereinabove provided. By the term month is meant thirty (30) days.

3. To well and sufficiently timber said mine at all points where proper in accordance with good mining, and to repair all old timbering wherever it may become necessary, in any tunnels, drifts, shafts or inclines being worked by said Lessee and Optionee.

4. To allow said Lessors and Optionors and their attorneys or agents, from time to time to enter upon and into all parts of said mine or mining premises for the purpose of inspection.

5. To occupy and hold all cross or parallel lodes, spurs, mineral cleavage, non-metallics or deposits of any kind, which may be discovered by the said Lessee and Optionee, or any person under him in any manner, by working within or from the demised ground as the property of said Lessors and Optionors, with privilege to the said Lessee and Optionee of working the same as parcel of said demised premises and of purchasing the same under the Option hereinafter contained.

6. To keep at all times the drifts, shafts, tunnels and other workings thoroughly drained, and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

7. To make all shafts seven feet long by four feet wide in the clear, and all drifts six feet high by four feet wide in the clear, and to perform the necessary amount of work required to be performed each year under either State or Federal laws on unpatented mining claims, and to file the requisite proof of labor or other such document as may be required by law to protect the title of Lessors and Optionors.

8. To pay as royalty five (5%) percent of the value per ton of all ores having a value up to Twenty

($20.00) Dollars per ton; fifteen (15%) percent on all ores having a value from Twenty ($20.00) Dollars to Fifty ($50.00) Dollars per ton; twenty (20%) percent on ores having a value of Fifty ($50.00) Dollars to One Hundred ($100.00) Dollars per ton; and twenty-five (25%) percent on all ores having a value of One Hundred ($100.00) Dollars or more per ton; and the said Lessee and Optionee agrees to make settlement for all of said royalties on or before the 10th day of each month for all ores mined and sold from said premises during the preceding month upon which returns have been received, and to furnish at the time of making said payment, full and accurate statements of all ores mined, sold and paid for during said preceding month; said royalties to be computed upon net mill or smelter returns.

9. It is further covenanted and agreed by and between the parties aforesaid that the said Lessee shall not be responsible for any hindrance or delay in working and mining said property that may be caused by any injunction or other legal proceedings that may be commenced by any person or persons not parties to this Lease and Option, and neither shall said Lessee be held responsible for any hindrance or delay in working and mining said property by strikes, lock-outs or acts of the public enemy.

10. The Lessee agrees to promptly pay for all labor and supplies.

11. No lien of any kind shall be created or suffered to attach or be in any manner created by the said Lessee upon or against said premises or any part thereof. The Lessee shall keep and maintain posted at all times in a conspicuous place in each and every entrance to the mine and on the buildings a notice in clear and legible characters, in substance as follows:

"N O T I C E

Notice is hereby given to all parties performing labor or furnishing skill, materials, machinery or other fixtures or supplies of any kind in, to and for the use of the Lessee upon any part or portion of this leased mining property, being a part on which this notice is posted, that the undersigned, owners of the property, will not be responsible for any labor performed or any skill, materials, machinery, fixtures or supplies of any kind furnished to or for the benefit of the Lessee, nor shall any interest of the owners be subject to any lien for same, and all persons are hereby notified that these premises have been and are now leased to TOM. L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, and his assigns and successors, to whom all persons must look for their compensation and pay.

Dated February 21, 1951. By ANNE A. PRESTON

ALLISON PRESTON
CORNELL GOODHEART

Owners."

And the Lessee is hereby appointed the agent of the Lessors for the sole and only purpose of posting and keeping posted such notice on said leased premises, and any failure at any time to so keep and maintain posted such notices, or any of them, as herein required, shall constitute an immediate forfeiture of this Lease, and the same shall henceforth at once be null and void and said Lessee shall become trespasser upon said property and may be proceeded against for unlawful detainer and shall be considered without further rights therein.

12. The Lessee shall not be considered the agent of the said Lessors in any manner connected with the use and operation of the said leased premises, except where such agency is expressly declared in this agreement, and then only to the extent provided.

13. The Lessee agrees to assume all reponsibility for and save the Lessors harmless for any and all accidents to the Lessee or any of his employees, licensees, agents, associates, or visitors upon the property of the Lessors, or in being conveyed to or from the leased premises by the Lessee, his agents, servants or employees, or any person other than the Lessors, her visitors or agents, and those acting for them, and if necessary for the protection of the Lessors, forthwith post and at all times keep posted at the main workings upon the premises hereby leased, a conspicuous notice stating in substance that the premises are leased to the Lessee, and the Lessors will not, under any circumstances, be liable for damages on account of any accident, and the Lessors shall in no circumstances be liable to the Lessee, his agents, servants, employees, licensees, associates, visitors, or any other person acting under the Lessee, on account of any accident. And for further protection, the Lessee agrees to comply with, in all respects, the Workmen's Compensation Laws of the State of Colorado now in force or which may be hereafter enacted for the protection of the employees working on said premises.

14. Said Lessee further agrees as one of the conditions covenanted and agreed by and between the parties hereto, that the said Lessee shall indemnify and save harmless the Lessors herein from any and all accidents or causes of action that may or might accrue or arise by reason of the operation of the premises herein demised and leased, and particularly with reference to any proceedings for damages or injunctions that may be sought or actions to obtain injunctions.

15. Whenever the Lessee is prevented from operation of the leased premises, or whenever, under the terms of this Lease, any act or thing shall be performed or done by the Lessee and he is so prevented by an act of God, strikes,

a public enemy and unusual casualties beyond his control, he shall be excused from such action or performance as long as such action and condition aforesaid shall prevent such action or performance, and such causes shall not constitute a cause for cancellation of said Lease.

16. Lessee and Optionee to deliver to said Lessors and Optionors the said premises with the appurtenances, and all improvements in good order and condition with all drifts, shafts, tunnels and other passages thoroughly clear of loose rock and rubbish and drained, and the mine ready for immediate continued working (accident not arising from negligence alone excusing) without demand or further notice on the said 21st day of February, A.D. 1961, atnoon, or at any time previous upon demand for forfeiture.

17. Lessee and Optionee shall have the right to transfer and assign the within Lease and Option to any company which may be formed for operating under the within Lease and Option, or to make assignments of interest in the within Lease and Option to individuals or companies.

18. And finally, that upon violation of any covenant or covenants hereinbefore reserved, the terms of this Lease shall, at the option of said Lessors and Optionors expire, unless the said Lessee and Optionee within sixty (60) days of receiving notice of such violation shall correct the same. In the event of failure of said Lessee and Optionee to correct said default or violation, the within Lease and said premises with the appurtenances shall become forfeit to said Lessors and Optionors, and the said Lessors and Optionors, or their agents, may thereupon after demand for possession in writing, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said Lessors and Optionors the said Lessee and Optionee and all persons found in occupation may be proceeded against as guilty of unlawful detainer, and upon forfeiture or surrender of the within Lease and Option, the said Lessee and Optionee shall have ninety (90) days within which to remove any machinery, tools or equipment that can be removed without damage or injury to any permanent structure upon said mining premises, and should the said Lessee and Optionee fail to remove said machinery, tools and equipment within said ninety (90) day period, then the same shall become the property of Lessors and Optionors.

O P T I O N

And in consideration of the acceptance of the foregoing Lease and the expenditures to be made thereunder, and the well and faithful keeping of the covenants thereof, the said Lessee shall have the right to purchase the said demised

premises by a payment of the sum of Fifty Thousand ($50,000.00) Dollars on or before February 21, A. D. 1961, and should the said Lessee and Optionee exercise the right of option hereby given, all the terms of the foregoing Lease shall be considered as extended to and applying to the operation of said premises pending operations under the Option, and royalties paid under the terms of the within Lease shall not apply on the purchase price.

Time is of the essence of this Option as to such payment of Fifty Thousand ($50,000.00) Dollars, and upon the tender of such payment as hereinabove provided, the Lessors and Optionors shall make, execute, acknowledge and deliver, at their own expense, a good and sufficient mining deed to be delivered to the said Lessee and Optionee, or to such person or company as he shall nominate, conveying the said premises clear of all encumbrances, or the said Lessors and Optionors upon the written request of the Lessee and Optionee shall make, execute, acknowledge and deposit with The First National Bank at Salida, Colorado, a good and sufficient deed to be held subject to the within Lease and Option, accompanied by an abstract of title.

The forfeiture, surrender, or termination of the above Lease for any cause shall render this Option void, and the above mentioned payments may not thereafter be tendered.

Each and every clause, covenant and paragraph of this Indenture shall extend to the heirs, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year herein

first above written.

/S/ Anne A. Preston (SEAL)

/S/ Allison Preston Cornell Goodheart (SEAL)
Lessors and Optionors

/S/ Tom L. Carrick (SEAL)
Lessee and Optionee

STATE OF COLORADO)
City and) SS:
County of Denver)

The foregoing instrument was acknowledged before me this 5th day of March, A .D. 1951, by ANNE A. PRESTON and ALLISON PRESTON CORNELL GOODHEART.

Witness my hand and Notarial Seal.

My Commission expires April 29, 1951.

(S E A L)

/S/ Robert E. Lee
Notary Public

STATE OF UTAH)
County) SS:
of Salt Lake)

The foregoing instrument was acknowledged before me this 12th day of March, A .D. 1951, by TOM L. CARRICK.

Witness my hand and Notarial Seal.

My Commission expires August 7, 1952.

(S E A L)

/S/ Claude A. Stoney
Notary Public

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Ama - 1188X

Date received

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah

Name and address of applicant

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Copper - Zinc
   (*b*) What are the byproducts, if any? Lead & Garnet - Currundum
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Sedalia Mine
   (*a*) Linear feet of shafts. 1000
   (*b*) Linear feet of drifts and crosscuts. 5000
   (*c*) Linear feet of tunnels or adits. 5000
   (*d*) Linear feet of other mine openings (explain briefly). 1000
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. Not flooded
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 6 miles to Salida, Colo.
   (*b*) Mining district. Cleora
   (*c*) Township, Section, Range. Section 17 & 18, Township 50N, Range 9 East of 6 PM.
   (*d*) County, State. Chaffee County, Colorado
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Non Operating
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☒ Contractor. (Will be operating as Lessee)
5. Number of years in production Dormant
   If not in production or operation, estimated date when production will begin 90 days after approval of contract
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Applicant negligible--Manager 50 yrs. Mining Engineer & actual mining operations
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. None available
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Major production 1883 to 1907. See USGS Bul #340 of 1907
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. None available

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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Not a Corporation

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Dormant

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. Tru[illegible]sher vein in the precam[illegible]ing schists. Fisher seems to have been caused [illegible] pegmatite dyke. Both vein and dyke have been faulted but can [illegible] be recovered. Maximum [illegible]th of vein 50ft.

Production is estim[illegible] mostly [illegible] copper. It is stated that 60,000 to 75,00[illegible]ons of this Ore treated [illegible] Canon City prior to 1907

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. None available, no doubt considerable there

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: No bearing as vein is opened beyond the fault.

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer: Not applicable

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

2 miles very soft dirt road & 4 miles paved hiway to Salida.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

Springs, but not piped in, water available if new ore justifies,

15. Power:

State amount of power used, rate per hour, and source thereof.

Lines to industry but none to mine.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

Unknown as mine is dormant.

17. Equipment and Facilities:

TOTALLY UNEQUIPPED

None

Describe [illegible] equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

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.

(Name of company) By (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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

HISTORY OF THE SEDALIA MI

The Sedalia Mine situated on the Eastern side of the Arkansas River Valley about six miles from the town of Salida, Chaffee County, Colorado was discovered about the time the Leadville District was found, i.e., 1878 - 1879.

It is likely the largest and most productive coppermine ever worked in the state of Colorado. The fact that the ore of this vein carries a good per cent of zinc permitted the profitable treatment of a large production made from the Sedalia Mine at Canon City, Colorado where the copper and zinc were both utilized at an early date.

The faulting of the vein and the attending Pegmatite Dyke closed the operation, temporarily.

During World War I the production made by the Hidden Treasure Mining and Leasing Co., production sheet attached herewith, was had.

During this operation an examination of the property was made for the United States Smelting Refining and Mine Exploration Co. An Engineer by the name of Cresette was in charge of the extensive investigation made. Cresette was confident that the downward extension of the vein could be opened and he made a cash offer to the Hidden Treasure Mining and Leasing Co. of three hundred and fifty thousand dollars for the property. The offer was rejected, the War soon ended and the ore above the faulting which had been estimated by J.H. Freeman of Salida, Colorado at more than a million tons, due to deflated market prices, became too low in grade to mine at a profit and the operation ended.

Engineer Cresette was of the opinion the Freeman estimate was greatly exaggerated. In any case the ore remaining above the fault has been robbed of the better grade, while the ore below the faulting should be of much better grade when opened.

Due to quieting title the mine was dormant during World War II.

The mine is for the most part open and accessable but is entirely unequipped at present. All buildings, ore-bins and tram-ways have long since gone to decay.

Electric power is available in the Arkansas Valley; as is also abundance of water for milling purposes. During prior operations all water was brought in from a mountain spring but the pipe line has long since been removed.

The leaching plant operated in the early days of this property has also been removed from the former location on the line of the DRGW RR, 2 miles west of the mine.

T. L. Carrick expects to subscribe one-half the amount needed to equip and develop this mine. He has engaged A. E. Moynahan, Engineer of Mines and Metallurgy to manage the undertaking.

According to U.S.G.S. Bulletin #340 of 1907 the following minerals are found in the Sedalia Mine:

Chalcopyrite	Pyrite	Sphalerite
Galena	Chalcocite	Malachite
Azurite	Cerusite	Magnetite
A new Sulphate of Lead and Copper		
Zinc Spinel	Garnet	Corrundum
Quartz	Hornblende	Brotite
Glaucophane	Stammolite	Asbestos
Talc	Chlorite	

A stratum of "Garnet Schist" of considerable thickness and containing well crystallized garnets up to two inches in diameter can be traced for several hundred feet. Some of the ore containing copper also contains Molybdenite in small amounts.

PRODUCTION OF THE SEDALIA MINE UNDER LEASE TO THE
HIDDEN TREASURE MINING AND LEASING COMPANY

		Copper	Zinc	Total
1915				
9/1 to 12/31	Leasees Receipts	$ 2372.85	$ 1511.09	$ 3883.94
	Royalties	412.12	273.72	685.84
	Freight	626.46	569.27	1195.73
	Treatment	2772.10	2707.94	5480.04
	Gross Production	$ 6183.53	$ 5062.02	$ 11245.55
1916				
1/1 to 12/31	Lessees Receipts	$ 59905.80	$ 2296.18	$ 67201.98
	Royalties	10685.39	1447.81	12133.20
	Freight	12489.06	2263.90	14752.96
	Treatment	50484.48	7555.43	58039.91
	Gross Production	$133564.73	$18563.32	$152128.05
1917				
	Lessees Receipts	62928.88	2177.48	65106.36
	Royalties	11106.43	472.04	11578.47
	Freight	13920.74	531.81	14452.55
	Treatment	51309.07	2075.17	53384.24
	Gross Production	$139265.12	$ 5256.50	$144521.62
1918	Lessees Receipts	15120.69	334.05	15453.74
	Royalties	2668.84	83.51	2752.35
	Freight	4164.38	210.76	4375.04
	Treatment	14397.42	813.86	15211.28
	Gross Production	$ 36351.33	$ 1442.18	$ 37793.41
	Total Gross Production	$315364.71	$30324.02	$345688.63

			Gross Weight	Dry Weight
1915	H.& O.			
	Copper	5.42	439.510	416.287
	Zinc	4.75	569.260	541.589
1916	Copper	6.64	8812.910	8297.020
	Zinc	3.87	1549	1481.173
1917	Copper		8412.540	7967.529
	Zinc		425.450	414.843
1918	Copper	7.87	2586.720	2451.584
	Zinc	0.56	136.410	135.644
		Total	22932.795	21705.669
	Weight of Zinc		2681.115	2573.249
	" " Copper		20251.680	19132.420
	Loss weight of Zinc			107.866
	" " " Copper			1119.260
	Total loss weight			1227.126

To Lessees	$151647.02		
Royaltics	27149.86	$ 78796.88	52%
Freight		34776.28	10%
Treatment		132115.47	38%
		$345688.63	100%

Percentage smelter paid for	52%	
" " took a/c moisture	5.65%	
" mine received	46.35%	
" railroad received	10.00	
" smelter received	43.65	100%

Between Nov. 14, 1918 and Dec. 16, 1918, we shipped 13 cars Copper ore under the U.S. Govt. guarantee of 26¢ market price, but on Dec. 18, 1918, Smelter notified mines that all future settlement for copper would be on a basis of 11¢ subject to future adjustment. This ties up the following tonnage which is not included in this report:

Gross weight	570.750	tons
Moisture 8.23%	46.495	"
Dry weight	524.255	"

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THIS INDENTURE, made this 21st day of February in the year of our Lord one thousand nine hundred and fifty-one, between ANNE A. PRESTON of 21 South Downing, Denver, Colorado, and ALLIDON PRESTON CORNELL GOODHEART of 4400 East First Avenue, Denver 7, Colorado, Lessors and Optionors, and TOM L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, Lessee and Optionee,

W I T N E S S E T H:

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To Have and To Hold unto the said Lessee and Optionee from the date hereof to and including 12:00 o'clock noon on the 21st day of February, A.D. 1961, unless sooner forfeited

or terminated through violation of any covenant against the said Lessee and Optionee reserved, and in consideration of such demise, the said Lessee and Optionee does covenant and agree with the said Lessors and Optionors as follows, to-wit:

1. To enter upon said mines and premises on or before February 21, 1952, and to work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the development and preservation of the same as a workable mine, and to the special covenants hereinafter reserved.

2. To perform at least one hundred (100) shifts of work of eight (8) hours each monthly upon said mining claims and property during the life of this instrument from the date of the commencement of operations as hereinabove provided. By the term month is meant thirty (30) days.

3. To well and sufficiently timber said mine at all points where proper in accordance with good mining, and to repair all old timbering wherever it may become necessary, in any tunnels, drifts, shafts or inclines being worked by said Lessee and Optionee.

4. To allow said Lessors and Optionors and their attorneys or agents, from time to time to enter upon and into all parts of said mine or mining premises for the purpose of inspection.

5. To occupy and hold all cross or parallel lodes, spurs, mineral cleavage, non-metallics or deposits of any kind, which may be discovered by the said Lessee and Optionee, or any person under him in any manner, by working within or from the demised ground as the property of said Lessors and Optionors, with privilege to the said Lessee and Optionee of working the same as parcel of said demised premises and of purchasing the same under the Option hereinafter contained.

6. To keep at all times the drifts, shafts, tunnels and other workings thoroughly drained, and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

7. To make all shafts seven feet long by four feet wide in the clear, and all drifts six feet high by four feet wide in the clear, and to perform the necessary amount of work required to be performed each year under either State or Federal laws on unpatented mining claims, and to file the requisite proof of labor or other such document as may be required by law to protect the title of Lessors and Optionors.

8. To pay as royalty five (5%) percent of the value per ton of all ores having a value up to Twenty

($20.00) Dollars per ton; fifteen (15%) percent on all ores having a value from Twenty ($20.00) Dollars to Fifty ($50.00) Dollars per ton; twenty (20%) percent on ores having a value of Fifty ($50.00) Dollars to One Hundred ($100.00) Dollars per ton; and twenty-five (25%) percent on all ores having a value of One Hundred ($100.00) Dollars or more per ton; and the said Lessee and Optionee agrees to make settlement for all of said royalties on or before the 10th day of each month for all ores mined and sold from said premises during the preceding month upon which returns have been received, and to furnish at the time of making said payment, full and accurate statements of all ores mined, sold and paid for during said preceding month; said royalties to be computed upon net mill or smelter returns.

9. It is further covenanted and agreed by and between the parties aforesaid that the said Lessee shall not be responsible for any hindrance or delay in working and mining said property that may be caused by any injunction or other legal proceedings that may be commenced by any person or persons not parties to this Lease and Option, and neither shall said Lessee be held responsible for any hindrance or delay in working and mining said property by strikes, lock-outs or acts of the public enemy.

10. The Lessee agrees to promptly pay for all labor and supplies.

11. No lien of any kind shall be created or suffered to attach or be in any manner created by the said Lessee upon or against said premises or any part thereof. The Lessee shall keep and maintain posted at all times in a conspicuous place in each and every entrance to the mine and on the buildings a notice in clear and legible characters, in substance as follows:

"N O T I C E

Notice is hereby given to all parties performing labor or furnishing skill, materials, machinery or other fixtures or supplies of any kind in, to and for the use of the Lessee upon any part or portion of this leased mining property, being a part on which this notice is posted, that the undersigned, owners of the property, will not be responsible for any labor performed or any skill, materials, machinery, fixtures or supplies of any kind furnished to or for the benefit of the Lessee, nor shall any interest of the owners be subject to any lien for same, and all persons are hereby notified that these premises have been and are now leased to TOM. L. CARWICK of 144 - 2nd Avenue, Salt Lake City, Utah, and his assigns and successors, to whom all persons must look for their compensation and pay.

Dated February 21, 1951. By ANNE A. PRESTON

ALLISON PRESTON
CORNELL GOODHEART

Owners."

And the Lessee is hereby appointed the agent of the Lessors for the sole and only purpose of posting and keeping posted such notice on said leased premises, and any failure at any time to so keep and maintain posted such notices, or any of them, as herein required, shall constitute an immediate forfeiture of this Lease, and the same shall henceforth at once be null and void and said Lessee shall become trespasser upon said property and may be proceeded against for unlawful detainer and shall be considered without further rights therein.

12. The Lessee shall not be considered the agent of the said Lessors in any manner connected with the use and operation of the said leased premises, except where such agency is expressly declared in this agreement, and then only to the extent provided.

13. The Lessee agrees to assume all reponsibility for and save the Lessors harmless for any and all accidents to the Lessee or any of his employees, licensees, agents, associates, or visitors upon the property of the Lessors, or in being conveyed to or from the leased premises by the Lessee, his agents, servants or employees, or any person other than the Lessors, her visitors or agents, and those acting for them, and if necessary for the protection of the Lessors, forthwith post and at all times keep posted at the main workings upon the premises hereby leased, a conspicuous notice stating in substance that the premises are leased to the Lessee, and the Lessors will not, under any circumstances, be liable for damages on account of any accident, and the Lessors shall in no circumstances be liable to the Lessee, his agents, servants, employees, licensees, associates, visitors, or any other person acting under the Lessee, on account of any accident. And for further protection, the Lessee agrees to comply with, in all respects, the Workmen's Compensation Laws of the State of Colorado now in force or which may be hereafter enacted for the protection of the employees working on said premises.

14. Said Lessee further agrees as one of the conditions covenanted and agreed by and between the parties hereto, that the said Lessee shall indemnify and save harmless the Lessors herein from any and all accidents or causes of action that may or might accrue or arise by reason of the operation of the premises herein demised and leased, and particularly with reference to any proceedings for damages or injunctions that may be sought or actions to obtain injunctions.

15. Whenever the Lessee is prevented from operation of the leased premises, or whenever, under the terms of this Lease, any act or thing shall be performed or done by the Lessee and he is so prevented by an act of God, strikes,

a public enemy and unusual casualties beyond his control, he shall be excused from such action or performance as long as such action and condition aforesaid shall prevent such action or performance, and such causes shall not constitute a cause for cancellation of said Lease.

16. Lessee and Optionee to deliver to said Lessors and Optionors the said premises with the appurtenances, and all improvements in good order and condition with all drifts, shafts, tunnels and other passages thoroughly clear of loose rock and rubbish and drained, and the mine ready for immediate continued working (accident not arising from negligence alone excusing) without demand or further notice on the said 21st day of February, A.D. 1961, atnoon, or at any time previous upon demand for forfeiture.

17. Lessee and Optionee shall have the right to transfer and assign the within Lease and Option to any company which may be formed for operating under the within Lease and Option, or to make assignments of interest in the within Lease and Option to individuals or companies.

18. And finally, that upon violation of any covenant or covenants hereinbefore reserved, the terms of this Lease shall, at the option of said Lessors and Optionors expire, unless the said Lessee and Optionee within sixty (60) days of receiving notice of such violation shall correct the same. In the event of failure of said Lessee and Optionee to correct said default or violation, the within Lease and said premises with the appurtenances shall become forfeit to said Lessors and Optionors, and the said Lessors and Optionors, or their agents, may thereupon after demand for possession in writing, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said Lessors and Optionors the said Lessee and Optionee and all persons found in occupation may be proceeded against as guilty of unlawful detainer, and upon forfeiture or surrender of the within Lease and Option, the said Lessee and Optionee shall have ninety (90) days within which to remove any machinery, tools or equipment that can be removed without damage or injury to any permanent structure upon said mining premises, and should the said Lessee and Optionee fail to remove said machinery, tools and equipment within said ninety (90) day period, then the same shall become the property of Lessors and Optionors.

OPTION

And in consideration of the acceptance of the foregoing Lease and the expenditures to be made thereunder, and the well and faithful keeping of the covenants thereof, the said Lessee shall have the right to purchase the said demised

premises by a payment of the sum of Fifty Thousand ($50,000.00) Dollars on or before February 21, A. D. 1961, and should the said Lessee and Optionee exercise the right of option hereby given, all the terms of the foregoing Lease shall be considered as extended to and applying to the operation of said premises pending operations under the Option, and royalties paid under the terms of the within Lease shall not apply on the purchase price.

Time is of the essence of this Option as to such payment of Fifty Thousand ($50,000.00) Dollars, and upon the tender of such payment as hereinabove provided, the Lessors and Optionors shall make, execute, acknowledge and deliver, at their own expense, a good and sufficient mining deed to be delivered to the said Lessee and Optionee, or to such person or company as he shall nominate, conveying the said premises clear of all encumbrances, or the said Lessors and Optionors upon the written request of the Lessee and Optionee shall make, execute, acknowledge and deposit with The First National Bank at Salida, Colorado, a good and sufficient deed to be held subject to the within Lease and Option, accompanied by an abstract of title.

The forfeiture, surrender, or termination of the above Lease for any cause shall render this Option void, and the above mentioned payments may not thereafter be tendered.

Each and every clause, covenant and paragraph of this Indenture shall extend to the heirs, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year herein

first above written.

/S/ Anne A. Preston (SEAL)

/S/ Allison Preston Cornell Goodheart (SEAL)
Lessors and Optionors

/S/ Tom L. Carrick (SEAL)
Lessee and Optionee

STATE OF COLORADO }
City and } SS:
County of Denver }

The foregoing instrument was acknowledged before me this 5th day of March, A.D. 1951, by ANNE A. PRESTON and ALLISON PRESTON CORNELL GOODHEART.

Witness my hand and Notarial Seal.

My Commission expires April 29, 1951.

(S E A L)

/S/ Robert E. Lee
Notary Public

STATE OF UTAH }
County } SS:
of Salt Lake }

The foregoing instrument was acknowledged before me this 12th day of March, A.D. 1951, by TOM L. CARRICK.

Witness my hand and Notarial Seal.

My Commission expires August 7, 1952.

(S E A L)

/S/ Claude A. Stoney
Notary Public

350

FILE COPY
SURNAME:

Lyons (ETM)
McKnight
O'Connor
(for Mote)
Billings

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

July 27, 1951

Re: DMA-11881

Mr. A. E. Moynahan
United States National Bank Building
Denver 2, Colorado

Dear Mr. Moynahan:

Your letter of July 18 to Mr. J. B. Gowen has been referred to us for reply.

In accordance with Mr. Gowen's letter of June 21, we suggest that Mr. Carrick submit an applicati n for a loan to have a geological and engineering examination made of his property together with necessary sampling. The application should be submitted on Form MF-103.

The examination may be made by any geologist or engineer the applicant chooses, provided the Defense Minerals Administration is satisfied as to his competence and reliability.

Very truly yours,

T. P. Billings, Chief
Lead-Zinc Branch

EJLyons:emp
G 7-27-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4214 GSA
R. H. Mote
Reports & Records
Directors r. file 4214 GSA
Br. r. file 4214 GSA
Files

FILE COPY
SURNAME:

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

Herres
McKnight
Oilery
(For Mote)

July 10, 1951

DMA-1188X
Sedalia Mine
Colorado

Mr. T. L. Carrick
145 Second Avenue
Salt Lake City, Utah

Dear Mr. Carrick:

Your letter of June 8 addressed to Mr. J. B. Gowen, Chief Copper Branch, was referred to me this morning.

Your application for approval of an exploration project amounting to $50,000 was forwarded to the Lead-Zinc Branch of DMA on July 3. Because of the large number of exploration applications now on hand, it will not be possible to give immediate consideration to your project. However, we shall endeavor to handle it as promptly as possible.

In case I can be of further assistance to you in this connection, please let me know.

Very truly yours,

[illegible], Chief
Lead-Zinc Branch

CHHERRES:ks

cc: Reports & Records Unit
Mote
McKnight
Herres
Files

FILE COPY
SURNAME:

Gowen
File
Wyatt

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

6/21/51

Re: Docket No. [illegible]-1193A

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Dear Mr. Carrick:

This is to acknowledge and reply to your letter of June 8, 1951 concerning your application for an Exploration loan for the Sedalia Mine in Colorado.

The Copper Branch of the Defense Minerals Administration has studied your application and wishes to make several comments and suggestions.

We note that you expect to interest capital for one half the total expenditure. We feel that there should be some definite assurance on the part of the applicant that he is both willing, and in position to furnish his share toward the cost of a project before his application is processed.

Application Form MT-103 requires that the proposed work be quite definitely defined and shown on maps or sketches, indicating the purpose of the work, and accompanied by data showing the detailed cost of each item. The project area must be defined because the government's share of the cost would be paid back in the form of royalties on production from the project area in case there should be any production within ten years of the date of the contract.

It is noted that you have a ten year lease on the property starting in February, 1951 providing for a sliding scale of royalty rates. These rates are such that you could not afford to ship concentrates. There are also other phases of the lease which might be objectionable to the government in case your application were approved. It would not be economical to maintain mine workings not necessary to the exploration project. If the project as finally outlined should require the sinking of winzes or driving prospect raises, the size of these should be determined by the object of the work rather than the terms of the lease.

You state in your application that the mine has already produced over $9,000,000 worth of copper and zinc and that the major production was in the period from 1883 to 1907. Lindgren, however, said that the total production was believed to be 60,000 to 75,000 tons of ore containing upwards of 5 per cent copper. Bureau of Mines data show a production estimated at 85,000 to 100,000 tons from 1883 to date. We would appreciate any data which might further enlighten us on this question.

Your map shows several extensive unmined blocks marked as "ore". We wonder if you have any geological, sampling or assay data which you might give us to substantiate the existence of these ore blocks. In case the workings are accessible it might be advisable to revise your application and delineate a project which foresees the geological mapping and sampling of all exposed ore in the mine. Any further action could be made contingent upon the results of such an investigation. A certain amount of reopening at portals might be necessary, but such an investigation should be carried out before a program of diamond drilling could be properly laid out.

It is also necessary that the project costs be itemized as required under paragraph 23, Form MF 103. To summarize it is essential to work out in detail, all of the information requested under paragraphs 20, 21, 22, 23 and 24 on Form MF 103. We are enclosing herewith another copy of Form MF 103.

Very truly yours,

JB Gowen

J. B. Gowen, Acting Chief
Copper Branch, DMA

Enclosure

JBGowen:jp

Copy to: Executive Officer, DMA Field Team IV, w.c.i.
Executive Secretary, w.c.i.
Copper Branch, w.c.i.
Files

Answered
Air Mail

WESTERN HOTELS INC.

The Newhouse

SALT LAKE CITY, UTAH

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1951
LANDON F. STROBEL
Executive Secretary

June 8, 1951

Mr. J. B. Gowen, Chief
Copper Branch
United States Dept. of Interior
Defense Minerals Administration
Washington 25, D.C.

Subject: DMA-1188X
Re: Exploration Loan -
Sedalia Mine (Colorado)

Dear Sir:

I am informed by Secretary Landon F. Strobel that my request for a loan on Sedalia Mine in Salida, Colorado has been referred to you on May 18th.

Will you kindly advise me what is the next step to be taken and how soon I can expect some definite decision on this project.

Thanking you in advance, I remain

Very truly yours,

T. L. Carrick

T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

JUL 10 1951

SEATTLE, WASH.
New Washington
Benjamin Franklin
Mayflower
Roosevelt
Waldorf

TACOMA, WASH.
Winthrop
WENATCHEE, WASH.
Cascadian
WALLA WALLA, WASH.
Marcus Whitman

OLYMPIA, WASH.
Olympian - Governor
MT. VERNON, WASH.
President
BELLINGHAM, WASH.
Leopold
SALT LAKE CITY, UTAH
Newhouse

PORTLAND, ORE.
Multnomah - Benson
BOISE, IDAHO
Boise - Owyhee
POCATELLO, IDAHO
Bannock
BILLINGS, MONT.
Northern

VANCOUVER, B.C.
Georgia
SAN FRANCISCO, CALIF.
Sir Francis Drake - Maurice
LOS ANGELES, CALIF.
Mayfair

'Many fine hotels in the West'

'Affiliated For Better Service'

FILE COPY
SURNAME:

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

May 23, 1951

Mr. T. L. Carrick
144 Second Avenue
Salt Lake City, Utah

Subject: DMA-1188X
Re: Exploration Loan
Sedalia Mine
(Colorado)

My dear Mr. Carrick:

Receipt is acknowledged of your application and attachments of May, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1188X and was referred to Mr. J. B. Gowen, Chief, Copper Branch on May 18, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1188X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:mab
cc: Strobel -2
Gowen
Files
Lyon

May 17, 1951

T.L. CARRICK

UTAH

DMA 1188

copper

lead

zinc

Rover 1188

2

857

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-1188X

Date received 5/17/51

Participation

T. L. Carrick
144 2nd Ave
Salt Lake City, Utah

Name and address of applicant

Date

FILL IN THIS BLOCK

Date of application May 1951

Estimated cost $50,000.00

Mineral or metal Copper, Lead & Zinc

Percentage of Government participation 50%

Location of mine 4 miles west of Salida, Chaffee County, Colorado

Date of filing MF-100

DMA Docket Number, if available dma-1188X

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.

THE APPLICANT

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

*2. If a partnership, state names and addresses of partners. None

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. None

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Will be managed by A.E.Moynahan, E.M., 704 USNat'l Bank Bldg Denver, Colorado

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

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. Lease isin 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. None

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)? Expect to interest Capital for one half total expenditure.

*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. **See Map**

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. **See Map**

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. **Sedalia Mine**

*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. **2 mi. to DRGWRR, 4 mi. west of Salida**

*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. **None**

15. State in detail how the ore could be shipped and how and where milled. **DRGWRR to Leadville, Colo.**

*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. **See Map**

(*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: **Dormant since 1918**

	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. **Partially oxidized copper, zinc mineral**

(*b*) Submit available maps and assay data. **enclosed**

(*c*) Give estimated tonnage and grade of each class of ore reserves. **Very large-unable to estimate**

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

Ore body has been cut with a fault. Extension of ore body can likely be found

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? **See #18**

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. **Geological survey diamond drilling & developement ex 2 yr. period.**

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.

Mine has already produced over $9,000,000.00 of copper & Zinc.

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. **(Mine entirely unequipped with buildings or machinery**

(*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. **Expect to start operations 90 days after approval--due to lack of equipment & machinery estimate 60% of money to be used first year.**

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-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA FOR USE UNDER THE DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma - 11888

Date received 6/17/51

T. L. Carrick
144 2nd Ave
Salt Lake City Utah

Name and address of applicant

Date

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Copper - Zinc
   (*b*) What are the byproducts, if any? Lead - Garnet - Currundum
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry(ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: Sedalia Mine
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 1000
   (*c*) Linear feet of tunnels or adits. 5000
   (*d*) Linear feet of other mine openings (explain briefly). 5000
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity. 1000 Not flooded
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 6 miles to Salida, Colo.
   (*b*) Mining district. Cleora
   (*c*) Township, Section, Range. Section 17 & 18, Township 50 N, Range 9 East of GPM
   (*d*) County, State. Chaffee County, Colorado
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. Non Operating
   (*b*) Are you operating this property as:
   ☐ Owner.
   ☐ Lessee.
   ☒ Contractor. (Will be operating as Lessee)
5. Number of years in production Dormant
   If not in production or operation, estimated date when production will begin 90 days after approval of contract
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. Applicant negligible--Manager 50 yrs. Mining Engineer & actual mining operations
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Major production 1883 to 1907. See USGS
   (*b*) State briefly the known history and production of adjoining and neighboring properties. But 7340 of 1907
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. None available

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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Not a Corporation

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Dormant

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. True fissure vein in the precambering s[illegible]ts. Fissure seems to have been caused by pegmatite dyke. Both vein and [illegible]ke have been faulted but can [illegible] likely be recovered. Maximum width of vein 50ft. [illegible] mostly in copper. It is stated

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Production is estimated as [illegible] that 60,000 to 75,000 tons of this Ore treated at Canon City prior to 1907

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve. None available, no doubt considerable there

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows: No bearing as vein is opened beyond the fault.

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer: Not applicable

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: 2 miles very soft dirt road & 4 miles paved hiway to Salida.

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power: Springs, but not piped in, water available if new ore justifies,

State amount of power used, rate per hour, and source thereof.

16. Labor: Lines to industry but none to mine.

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Unknown as mine is dormant. TOTALLY UNEQUIPPED

Describe p None equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form None accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company) By (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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

PRODUCTION OF THE SEDALIA MINE UNDER LEASE TO THE HIDDEN TREASURE MINING AND LEASING COMPANY

		Copper	Zinc	Total
1915 9/1 to 12/31	Lessees Receipts	$ 2372.85	$ 1511.09	$ 3883.94
	Royalties	412.12	273.72	685.84
	Freight	626.46	569.27	1195.73
	Treatment	2772.10	2707.94	5480.04
	Gross Production	$ 6183.53	$ 5062.02	$ 11245.55
1916 1/1 to 12/31	Lessees Receipts	$ 59905.80	$ 2296.18	$ 67201.98
	Royalties	10685.39	1447.81	12133.20
	Freight	12489.06	2263.90	14752.96
	Treatment	50484.48	7555.43	58039.91
	Gross Production	$133564.73	$18563.32	$152128.05
1917	Lessees Receipts	62928.88	2177.48	65106.36
	Royalties	11106.43	472.04	11578.47
	Freight	13920.74	531.81	14452.55
	Treatment	51309.07	2075.17	53384.24
	Gross Production	$139265.12	$ 5256.50	$144521.62
1918	Lessees Receipts	15120.69	334.05	15453.74
	Royalties	2668.84	83.51	2752.35
	Freight	4164.38	210.76	4375.04
	Treatment	14397.42	813.86	15211.28
	Gross Production	$ 36351.33	$ 1442.18	$ 37793.41
	Total Gross Production	$315364.71	$30324.02	$345688.63

			Gross Weight	Dry Weight
1915 H.& O.	Copper	5.42	439.510	416.287
	Zinc	4.75	569.260	541.589
1916	Copper	6.64	8812.910	8297.020
	Zinc	3.87	1549	1481.173
1917	Copper		8412.540	7967.529
	Zinc		425.450	414.843
1918	Copper	7.87	2586.720	2451.584
	Zinc	0.56	136.410	135.644
	Total		22932.795	21705.669
	Weight of Zinc		2681.115	2573.249
	" " Copper		20251.680	19132.420
	Loss weight of Zinc			107.866
	" " " Copper			1119.260
	Total loss weight			1227.126

To Lessees	$151647.02		
Royalties	27149.86	$ 78796.88	52%
Freight		34776.28	10%
Treatment		132115.47	38%
		$345688.63	100%

Percentage smelter paid for	52%	
" " took a/c moisture	5.65%	
" mine received	46.35%	
" railroad received	10.00	
" smelter received	43.65	100%

Between Nov. 14, 1918 and Dec. 16, 1918, we shipped 13 cars Copper ore under the U.S. Govt. guarantee of 26¢ market price, but on Dec. 18, 1918, Smelter notified mines that all future settlement for copper would be on a basis of 11¢ subject to future adjustment. [illegible] ties up the following tonnage which is not included in thi[illegible]

Gross weight	570.750 ton
Moisture 8.23%	46.495
Dry weight	524.255

HISTORY OF THE SEDALIA MINE

The Sedalia Mine situated on the Eastern side of the Arkansas River Valley about six miles from the town of Salida, Chaffee County, Colorado was discovered about the time the Leadville District was found, i.e., 1878 - 1879.

It is likely the largest and most productive coppermine ever worked in the state of Colorado. The fact that the ore of this vein carries a good per cent of zinc permitted the profitable treatment of a large production made from the Sedalia Mine at Canon City, Colorado where the copper and zinc were both utilized at an early date.

The faulting of the vein and the attending Pegmatite Dyke closed the operation, temporarily.

During World War I the production made by the Hidden Treasure Mining and Leasing Co., production sheet attached herewith, was had.

During this operation an examination of the property was made for the United States Smelting Refining and Mine Exploration Co. An Engineer by the name of Crosette was in charge of the extensive investigation made. Crosette was confident that the downward extension of the vein could be opened and he made a cash offer to the Hidden Treasure Mining and Leasing Co. of three hundred and fifty thousand dollars for the property. The offer was rejected, the War soon ended and the ore above the faulting which had been estimated by J.M. Freeman of Salida, Colorado at more than a million tons, due to deflated market prices, became too low in grade to mine at a profit and the operation ended.

Engineer Crosette was of the opinion the Freeman estimate was greatly exaggerated. In any case the ore remaining above the fault has been robbed of the better grade, while the ore below the faulting should be of much better grade when opened.

Due to quieting title the mine was dormant during World War II.

The mine is for the most part open and accessable but is entirely unequipped at present. All buildings, ore-bins and tram-ways have long since gone to decay.

Electric power is available in the Arkansas Valley; as is also abundance of water for milling purposes. During prior operations all water was brought in from a mountain spring but the pipe line has long since been removed.

The leaching plant operated in the early days of this property has also been removed from the former location on the line of the DRGW RR, 2 miles west of the mine.

T. L. Carrick expects to subscribe one-half the amount needed to equip and develop this mine. He has engaged A. E. Moynahan, Engineer of Mines and Metallurgy to manage the undertaking.

According to U.S.G.S. Bulletin #340 of 1907 the following minerals are found in the Sedalia Mine:

Chalcopyrite	Pyrite	Sphalerite
Galena	Chalcocite	Malachite
Azurite	Cerusite	Magnetite
A new Sulphate of Lead and Copper		
Zinc Spinel	Garnet	Corrundum
Quartz	Hornblende	Brotite
Glancophane	Stammolite	Asbestos
Talc	Chlorite	

A stratum of "Garnet Schist" of considerable thickness and containing well crystallized garnets up to two inches in diameter can be followed for several hundred feet. Some of the ore containing copper contains Molybdenite in small amounts.

LEASE AND OPTION

THIS INDENTURE, made this 21st day of February in the year of our Lord one thousand nine hundred and fifty-one, between ANNE A. PRESTON of 21 South Downing, Denver, Colorado, and ALLISON PRESTON CORNELL GOODHEART of 4400 East First Avenue, Denver 7, Colorado, Lessors and Optionors, and TOM L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, Lessee and Optionee,

W I T N E S S E T H:

That the said Lessors and Optionors, for and in consideration of the royalties hereinafter reserved and the covenants and agreements hereinafter expressed and by the said Lessee and Optionee to be paid, kept, and performed, have granted, demised and let, and by these presents do grant, demise and let unto the said Lessee and Optionee all of the following described mines and mining property situate in Cleora Mining District, County of Chaffee, and State of Colorado, to-wit:

> The Sedalia, U.S. Patent No. 3710; The Sedalia No. 2, U.S. Patent No. 17696; The Sedalia No. 3, U.S. Patent No. 17696; The Copper Prince, U.S. Patent No. 5330; The Hidden Treasure, U.S. Patent No. 5769; and The Sarah Jane, U.S. Patent No. 5770, in Cleora Mining District, in the County of Chaffee and State of Colorado. The patents of which are recorded in Book 62 at page 237; Book 121 at pages 121 and 130; Book 62 at pages 233, 225 and 229, respectively, of the records in the office of the County Clerk and Recorder of Chaffee County, Colorado, all the aforesaid property being in the County of Chaffee and State of Colorado, aforesaid.

To Have and To Hold unto the said Lessee and Optionee from the date hereof to and including 12:00 o'clock noon on the 21st day of February, A.D. 1961, unless sooner forfeited

or terminated through violation of any covenant against the said Lessee and Optionee reserved, and in consideration of such demise, the said Lessee and Optionee does covenant and agree with the said Lessors and Optionors as follows, to-wit:

1. To enter upon said mines and premises on or before February 21, 1952, and to work the same mine fashion in manner necessary to good and economical mining so as to take out the greatest amount of ore possible, with due regard to the development and preservation of the same as a workable mine, and to the special covenants hereinafter reserved.

2. To perform at least one hundred (100) shifts of work of eight (8) hours each monthly upon said mining claims and property during the life of this instrument from the date of the commencement of operations as hereinabove provided. By the term month is meant thirty (30) days.

3. To well and sufficiently timber said mine at all points where proper in accordance with good mining, and to repair all old timbering wherever it may become necessary, in any tunnels, drifts, shafts or inclines being worked by said Lessee and Optionee.

4. To allow said Lessors and Optionors and their attorneys or agents, from time to time to enter upon and into all parts of said mine or mining premises for the purpose of inspection.

5. To occupy and hold all cross or parallel lodes, spurs, mineral cleavage, non-metallics or deposits of any kind, which may be discovered by the said Lessee and Optionee, or any person under him in any manner, by working within or from the demised ground as the property of said Lessors and Optionors, with privilege to the said Lessee and Optionee of working the same as parcel of said demised premises and of purchasing the same under the Option hereinafter contained.

6. To keep at all times the drifts, shafts, tunnels and other workings thoroughly drained, and clear of loose rock and rubbish, unless prevented by extraordinary mining casualty.

7. To make all shafts seven feet long by four feet wide in the clear, and all drifts six feet high by four feet wide in the clear, and to perform the necessary amount of work required to be performed each year under either State or Federal laws on unpatented mining claims, and to file the requisite proof of labor or other such document as may be required by law to protect the title of Lessors and Optionors.

8. To pay as royalty five (5%) percent of the value per ton of all ores having a value up to Twenty

($20.00) Dollars per ton; fifteen (15%) percent on all ores having a value from Twenty ($20.00) Dollars to Fifty ($50.00) Dollars per ton; twenty (20%) percent on ores having a value of Fifty ($50.00) Dollars to One Hundred ($100.00) Dollars per ton; and twenty-five (25%) percent on all ores having a value of One Hundred ($100.00) Dollars or more per ton; and the said Lessee and Optionee agrees to make settlement for all of said royalties on or before the 10th day of each month for all ores mined and sold from said premises during the preceding month upon which returns have been received, and to furnish at the time of making said payment, full and accurate statements of all ores mined, sold and paid for during said preceding month; said royalties to be computed upon net mill or smelter returns.

9. It is further covenanted and agreed by and between the parties aforesaid that the said Lessee shall not be responsible for any hindrance or delay in working and mining said property that may be caused by any injunction or other legal proceedings that may be commenced by any person or persons not parties to this Lease and Option, and neither shall said Lessee be held responsible for any hindrance or delay in working and mining said property by strikes, lock-outs or acts of the public enemy.

10. The Lessee agrees to promptly pay for all labor and supplies.

11. No lien of any kind shall be created or suffered to attach or be in any manner created by the said Lessee upon or against said premises or any part thereof. The Lessee shall keep and maintain posted at all times in a conspicuous place in each and every entrance to the mine and on the buildings a notice in clear and legible characters, in substance as follows:

"N O T I C E

Notice is hereby given to all parties performing labor or furnishing skill, materials, machinery or other fixtures or supplies of any kind in, to and for the use of the Lessee upon any part or portion of this leased mining property, being a part on which this notice is posted, that the undersigned, owners of the property, will not be responsible for any labor performed or any skill, materials, machinery, fixtures or supplies of any kind furnished to or for the benefit of the Lessee, nor shall any interest of the owners be subject to any lien for same, and all persons are hereby notified that these premises have been and are now leased to TOM. L. CARRICK of 144 - 2nd Avenue, Salt Lake City, Utah, and his assigns and successors, to whom all persons must look for their compensation and pay.

Dated February 21, 1951. By ANNE A. PRESTON

ALLISON PRESTON
CORNELL GOODHEART

Owners."

And the Lessee is hereby appointed the agent of the Lessors for the sole and only purpose of posting and keeping posted such notice on said leased premises, and any failure at any time to so keep and maintain posted such notices, or any of them, as herein required, shall constitute an immediate forfeiture of this Lease, and the same shall henceforth at once be null and void and said Lessee shall become trespasser upon said property and may be proceeded against for unlawful detainer and shall be considered without further rights therein.

12. The Lessee shall not be considered the agent of the said Lessors in any manner connected with the use and operation of the said leased premises, except where such agency is expressly declared in this agreement, and then only to the extent provided.

13. The Lessee agrees to assume all reponsibility for and save the Lessors harmless for any and all accidents to the Lessee or any of his employees, licensees, agents, associates, or visitors upon the property of the Lessors, or in being conveyed to or from the leased premises by the Lessee, his agents, servants or employees, or any person other than the Lessors, her visitors or agents, and those acting for them, and if necessary for the protection of the Lessors, forthwith post and at all times keep posted at the main workings upon the premises hereby leased, a conspicuous notice stating in substance that the premises are leased to the Lessee, and the Lessors will not, under any circumstances, be liable for damages on account of any accident, and the Lessors shall in no circumstances be liable to the Lessee, his agents, servants, employees, licensees, associates, visitors, or any other person acting under the Lessee, on account of any accident. And for further protection, the Lessee agrees to comply with, in all respects, the Workmen's Compensation Laws of the State of Colorado now in force or which may be hereafter enacted for the protection of the employees working on said premises.

14. Said Lessee further agrees as one of the conditions covenanted and agreed by and between the parties hereto, that the said Lessee shall indemnify and save harmless the Lessors herein from any and all accidents or causes of action that may or might accrue or arise by reason of the operation of the premises herein demised and leased, and particularly with reference to any proceedings for damages or injunctions that may be sought or actions to obtain injunctions.

15. Whenever the Lessee is prevented from operation of the leased premises, or whenever, under the terms of this Lease, any act or thing shall be performed or done by the Lessee and he is so prevented by an act of God, strikes,

a public enemy and unusual casualties beyond his control, he shall be excused from such action or performance as long as such action and condition aforesaid shall prevent such action or performance, and such causes shall not constitute a cause for cancellation of said Lease.

16. Lessee and Optionee to deliver to said Lessors and Optionors the said premises with the appurtenances, and all improvements in good order and condition with all drifts, shafts, tunnels and other passages thoroughly clear of loose rock and rubbish and drained, and the mine ready for immediate continued working (accident not arising from negligence alone excusing) without demand or further notice on the said 21st day of February, A.D. 1961, atnoon, or at any time previous upon demand for forfeiture.

17. Lessee and Optionee shall have the right to transfer and assign the within Lease and Option to any company which may be formed for operating under the within Lease and Option, or to make assignments of interest in the within Lease and Option to individuals or companies.

18. And finally, that upon violation of any covenant or covenants hereinbefore reserved, the terms of this Lease shall, at the option of said Lessors and Optionors expire, unless the said Lessee and Optionee within sixty (60) days of receiving notice of such violation shall correct the same. In the event of failure of said Lessee and Optionee to correct said default or violation, the within Lease and said premises with the appurtenances shall become forfeit to said Lessors and Optionors, and the said Lessors and Optionors, or their agents, may thereupon after demand for possession in writing, enter upon said premises and dispossess all persons occupying the same, with or without force, and with or without process of law, or at the option of said Lessors and Optionors the said Lessee and Optionee and all persons found in occupation may be proceeded against as guilty of unlawful detainer, and upon forfeiture or surrender of the within Lease and Option, the said Lessee and Optionee shall have ninety (90) days within which to remove any machinery, tools or equipment that can be removed without damage or injury to any permanent structure upon said mining premises, and should the said Lessee and Optionee fail to remove said machinery, tools and equipment within said ninety (90) day period, then the same shall become the property of Lessors and Optionors.

O P T I O N

And in consideration of the acceptance of the foregoing Lease and the expenditures to be made thereunder, and the well and faithful keeping of the covenants thereof, the said Lessee shall have the right to purchase the said demised

premises by a payment of the sum of Fifty Thousand ($50,000.00) Dollars on or before February 21, A. D. 1961, and should the said Lessee and Optionee exercise the right of option hereby given, all the terms of the foregoing Lease shall be considered as extended to and applying to the operation of said premises pending operations under the Option, and royalties paid under the terms of the within Lease shall not apply on the purchase price.

Time is of the essence of this Option as to such payment of Fifty Thousand ($50,000.00) Dollars, and upon the tender of such payment as hereinabove provided, the Lessors and Optionors shall make, execute, acknowledge and deliver, at their own expense, a good and sufficient mining deed to be delivered to the said Lessee and Optionee, or to such person or company as he shall nominate, conveying the said premises clear of all encumbrances, or the said Lessors and Optionors upon the written request of the Lessee and Optionee shall make, execute, acknowledge and deposit with The First National Bank at Salida, Colorado, a good and sufficient deed to be held subject to the within Lease and Option, accompanied by an abstract of title.

The forfeiture, surrender, or termination of the above Lease for any cause shall render this Option void, and the above mentioned payments may not thereafter be tendered.

Each and every clause, covenant and paragraph of this Indenture shall extend to the heirs, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, The parties hereto have hereunto set their hands and seals the day and year herein

first above written.

/S/ Anne A. Preston (SEAL)

/S/ Allison Preston Cornell Goodheart (SEAL)
Lessors and Optionors

/S/ Tom L. Carrick (SEAL)
Lessee and Optionee

STATE OF COLORADO }
City and } SS:
County of Denver }

The foregoing instrument was acknowledged before me this 5th day of March, A .D. 1951, by ANNE A. PRESTON and ALLISON PRESTON CORNELL GOODHEART.

Witness my hand and Notarial Seal.

My Commission expires April 29, 1951.

(S E A L)

/S/ Robert E. Lee
Notary Public

STATE OF UTAH }
County } SS:
of Salt Lake }

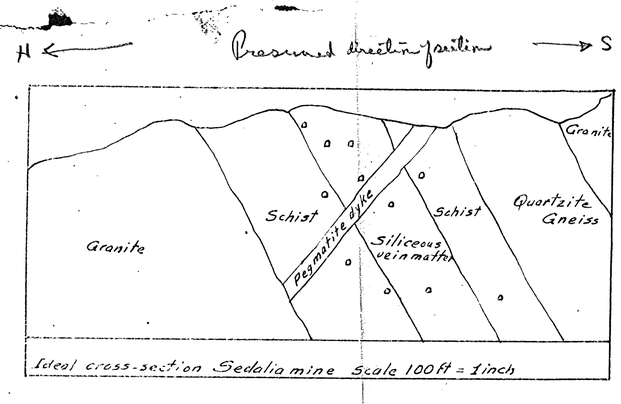
The foregoing instrument was acknowledged before me this 12th day of March, A .D. 1951, by TOM L. CARRICK.

Witness my hand and Notarial Seal.

My Commission expires August 7, 1952.

(S E A L)

/S/ Claude A. Stoney
Notary Public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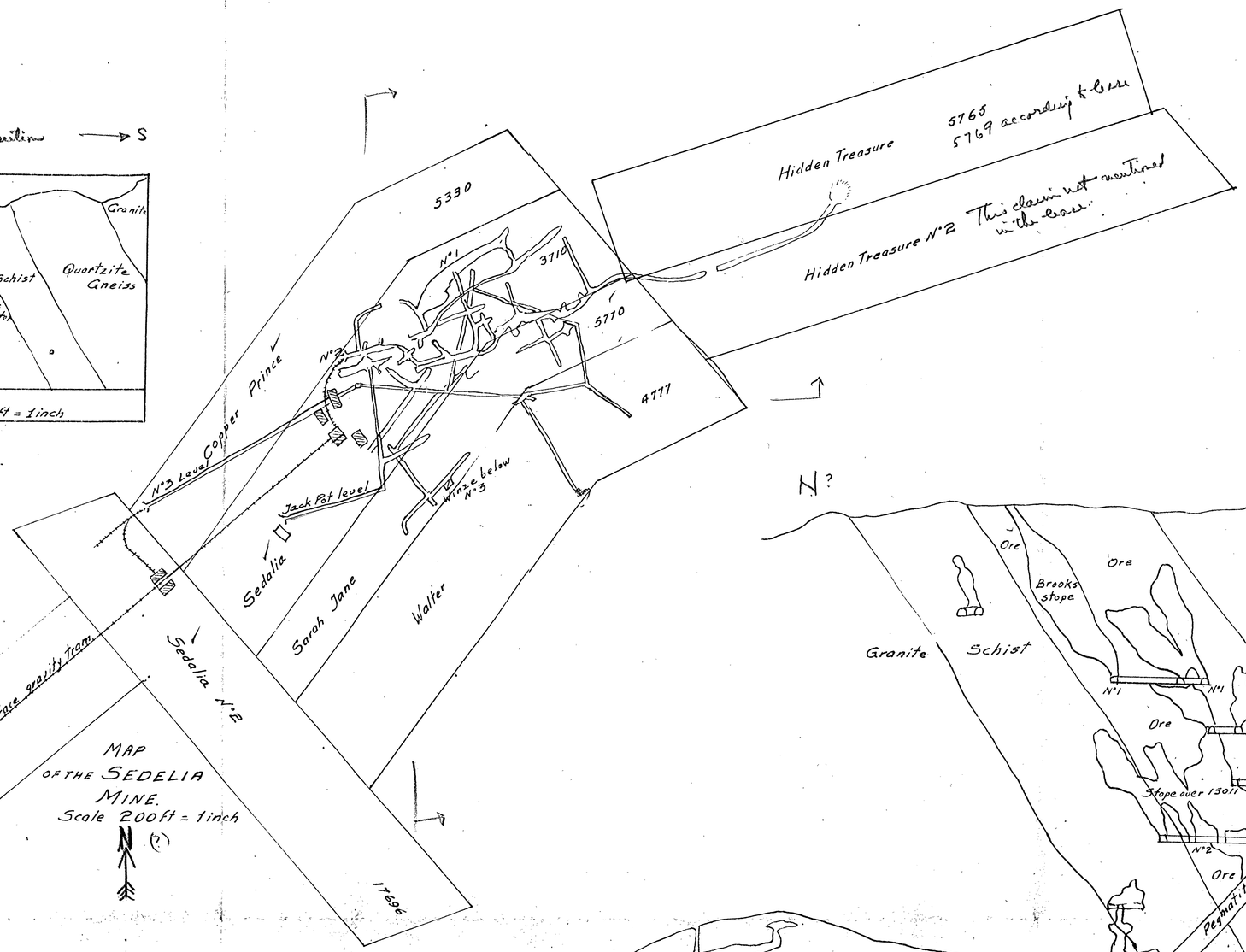
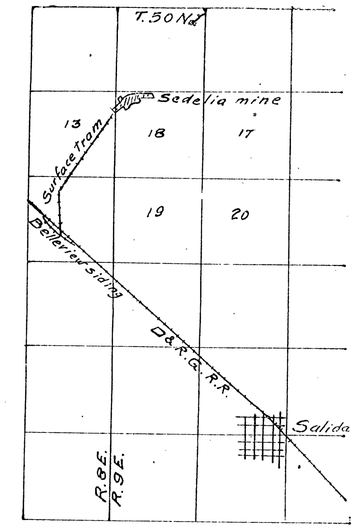
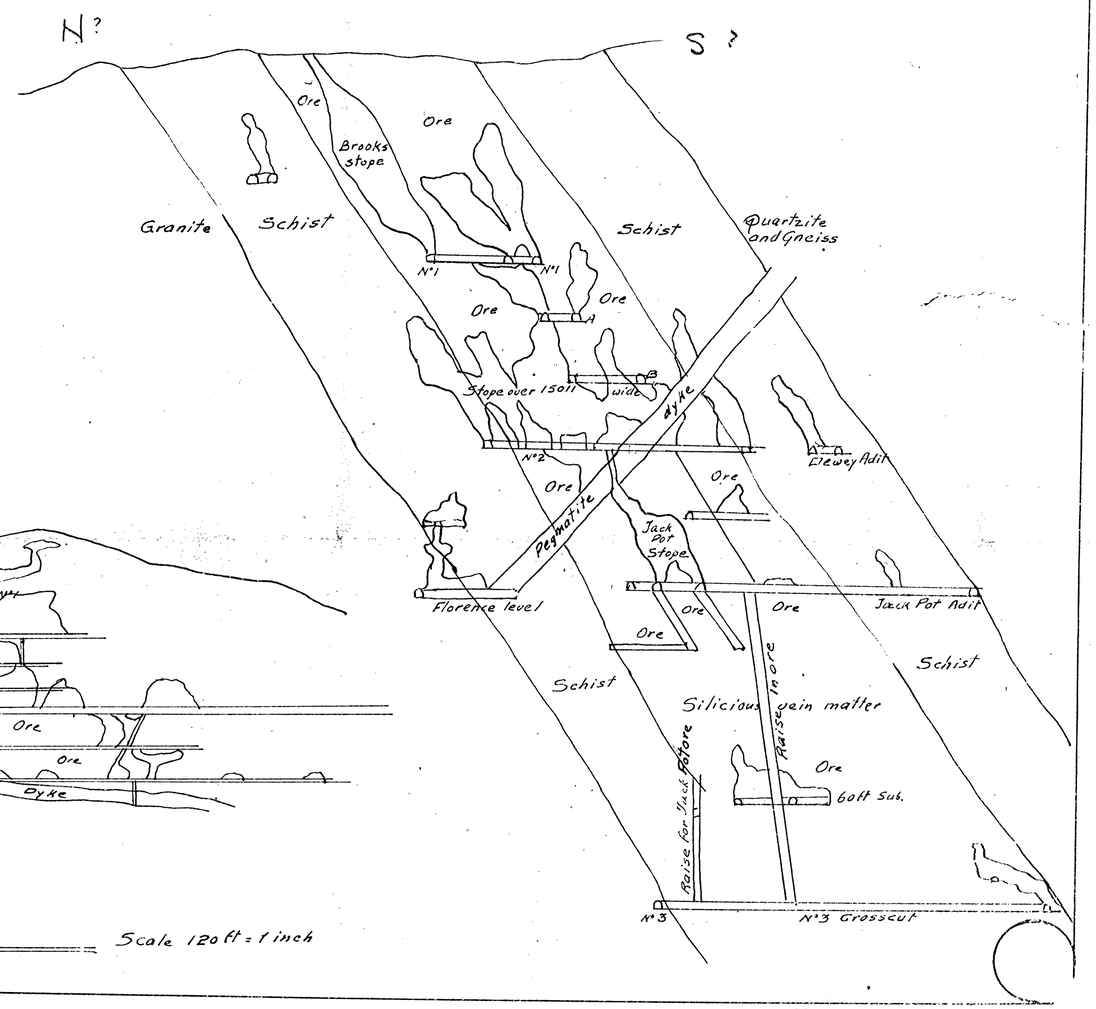
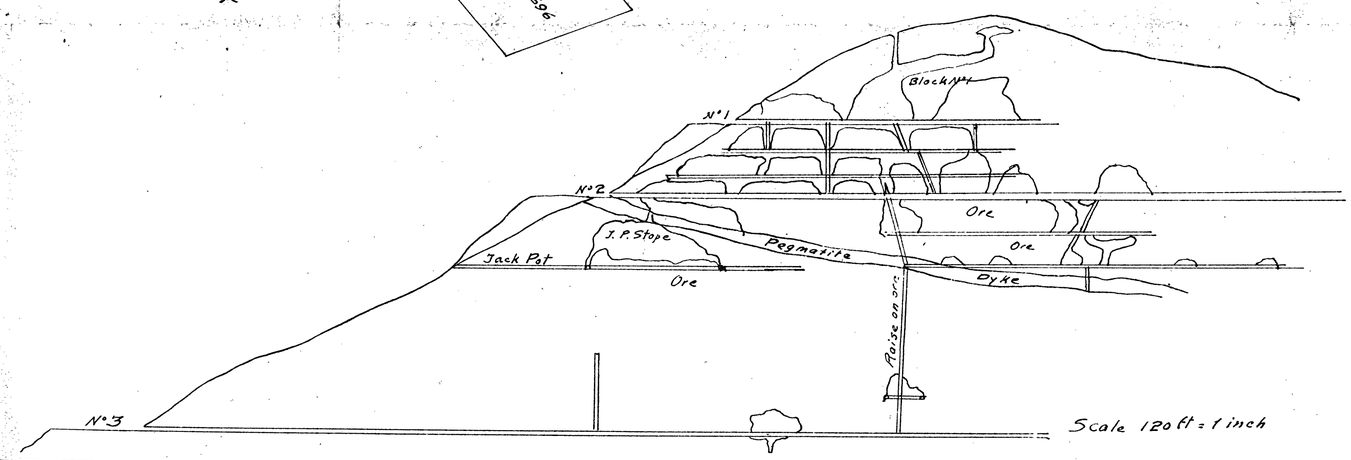
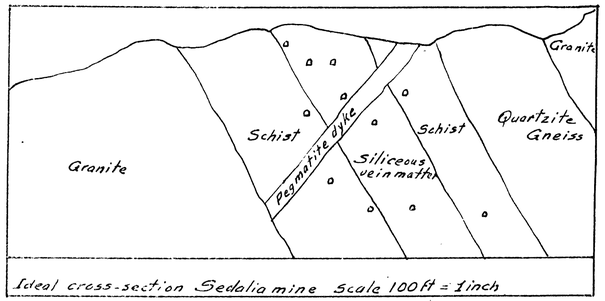
Presumed direction of section
S
Granite
Schist
Pegmatite dyke
Siliceous vein matter
Schist
Quartzite Gneiss
Granite
Ideal cross-section Sedalia mine Scale 100 ft = 1 inch

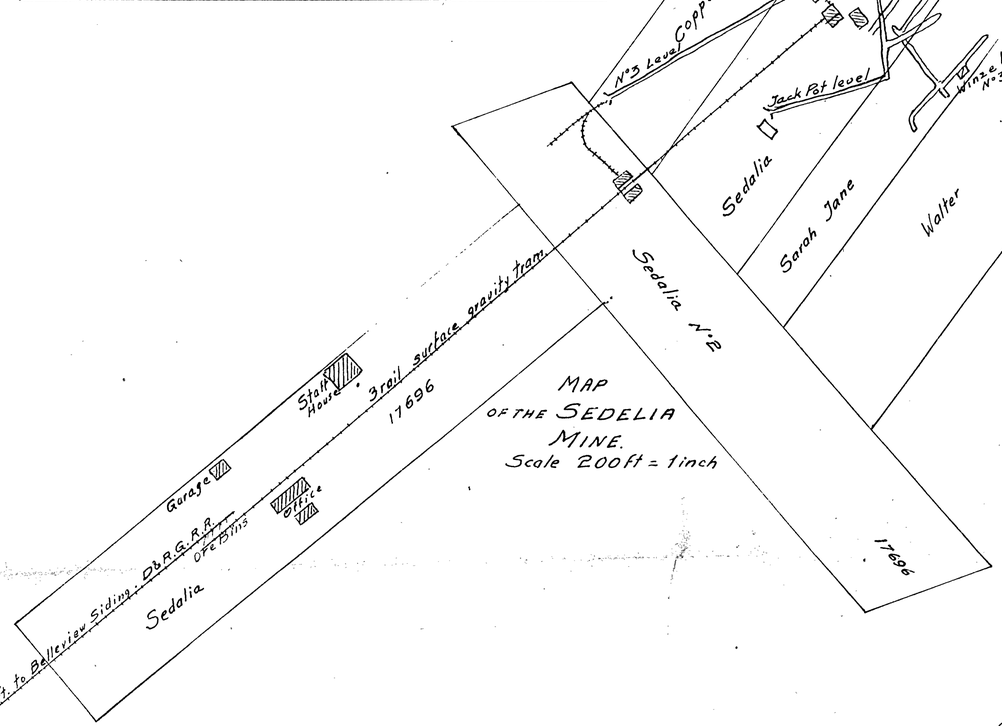

5330
Hidden Treasure
5765
5769 according to Bess
Hidden Treasure No 2
This claim not mentioned in the bess.
No 1
3710
5710
4777
No 2
Prince
Copper
No 3 Level
Jack Pot level
Winze below No 3
Sedalia
Sarah Jane
Walter
Sedalia No 2
Trail surface gravity tram
Stable House
17696
Garage
Office
Ore bins
Sedalia
7851 ft. to Bellerview Siding D&RG.R.R.
MAP OF THE SEDELIA MINE.
Scale 200 ft = 1 inch
N (?)
17696

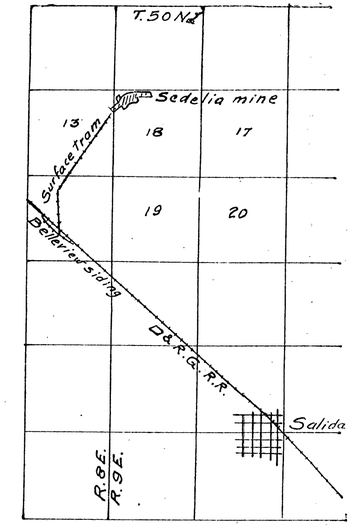

T.50 N.
Sedalia mine
13
18
17
19
20
Surface tram
Bellerview siding
D&R.G.R.R.
Salida
R.8E.
R.9E.

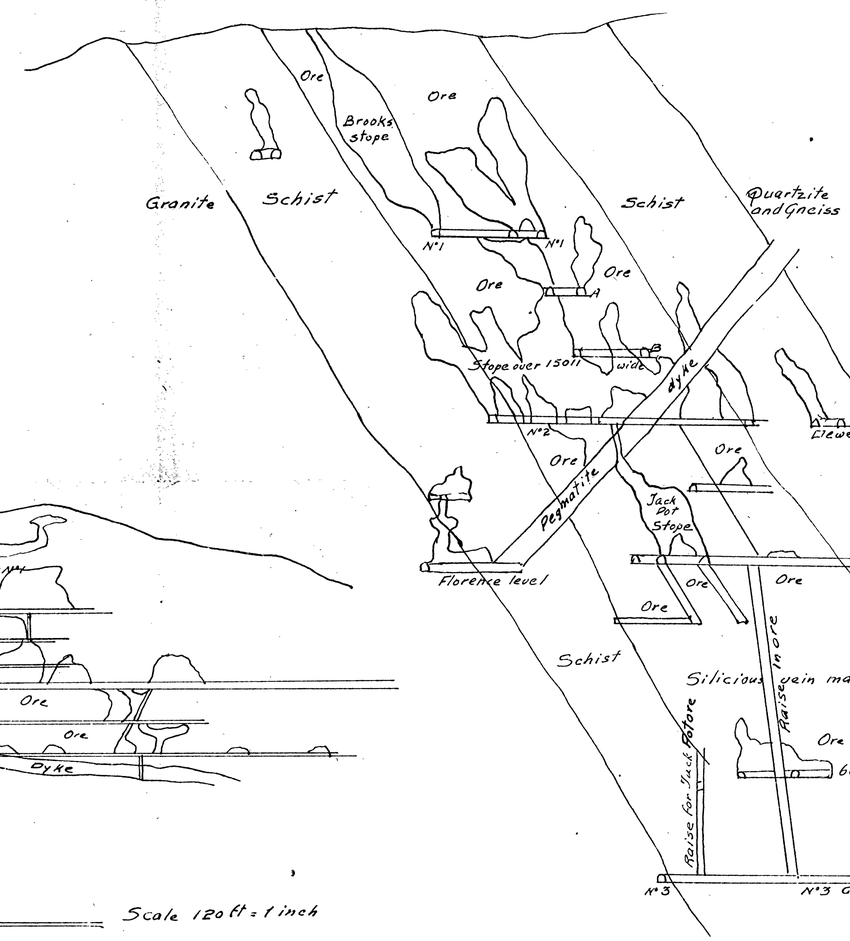

N ?
S ?
Ore
Brooks stope
Ore
Granite
Schist
Schist
Quartzite and Gneiss
No 1
No 1
Ore
Ore
Stope over 150 ft wide
No 2
Dyke
Ore
Ore
Lidwey Adit
Pegmatite
Jack Pot Stope
Florence level
Ore
Ore
Jack Pot Adit
Ore
Schist
Schist
Silicious vein matter
Raise in ore
Raise for Jack Pot ore
Ore
60 ft Sub.
No 3
No 3 Crosscut

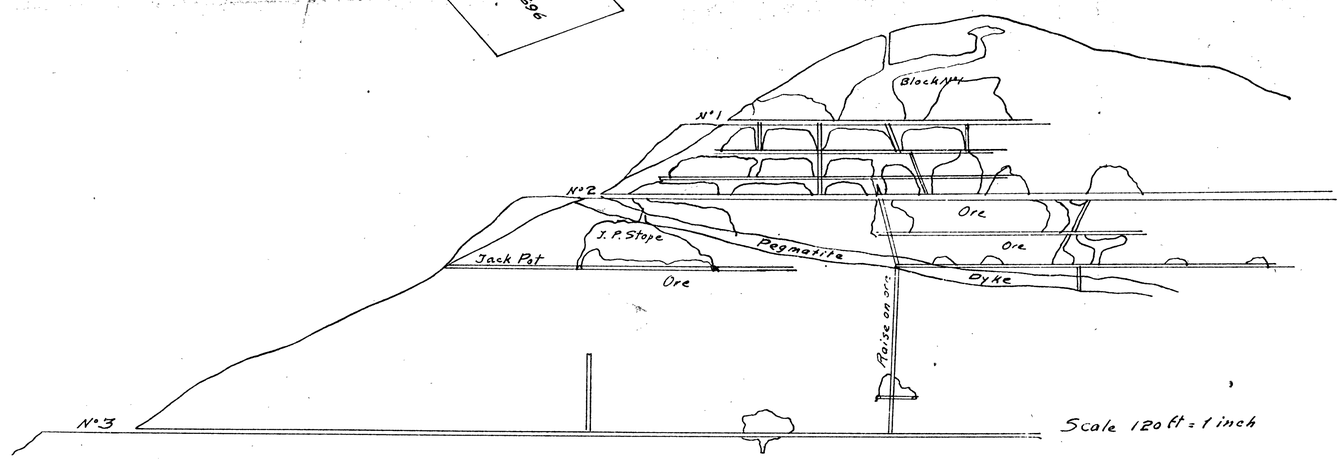

Block Mt
No 1
No 2
J. P. Stope
Pegmatite
Dyke
Jack Pot
Ore
Ore
Ore
Raise on ore
No 3
Scale 120 ft = 1 inch

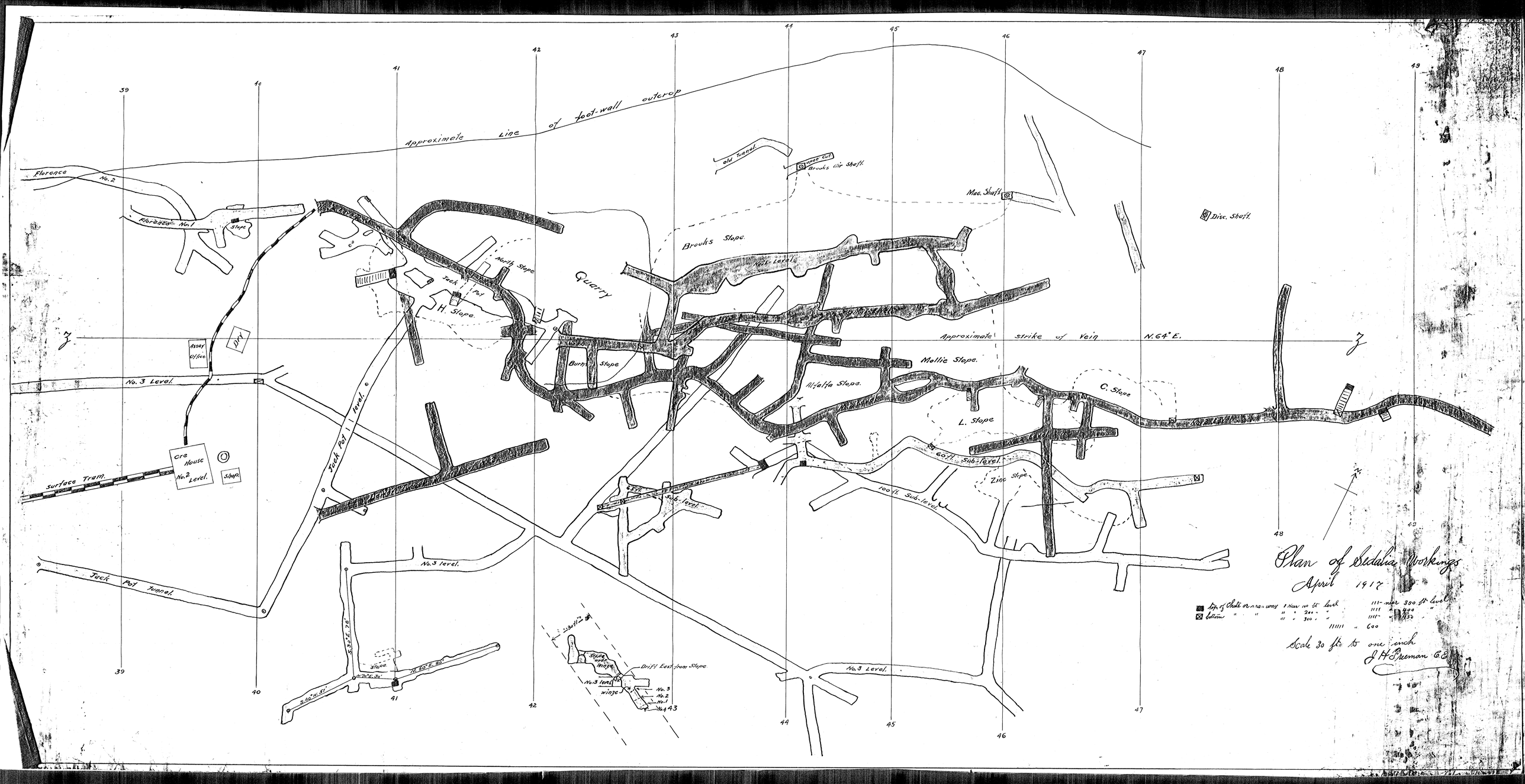

Granite
Schist
Pegmatite dyke
Schist
Siliceous vein matter
Quartzite Gneiss
Granite
Ideal cross-section Sedalia mine Scale 100 ft = 1 inch

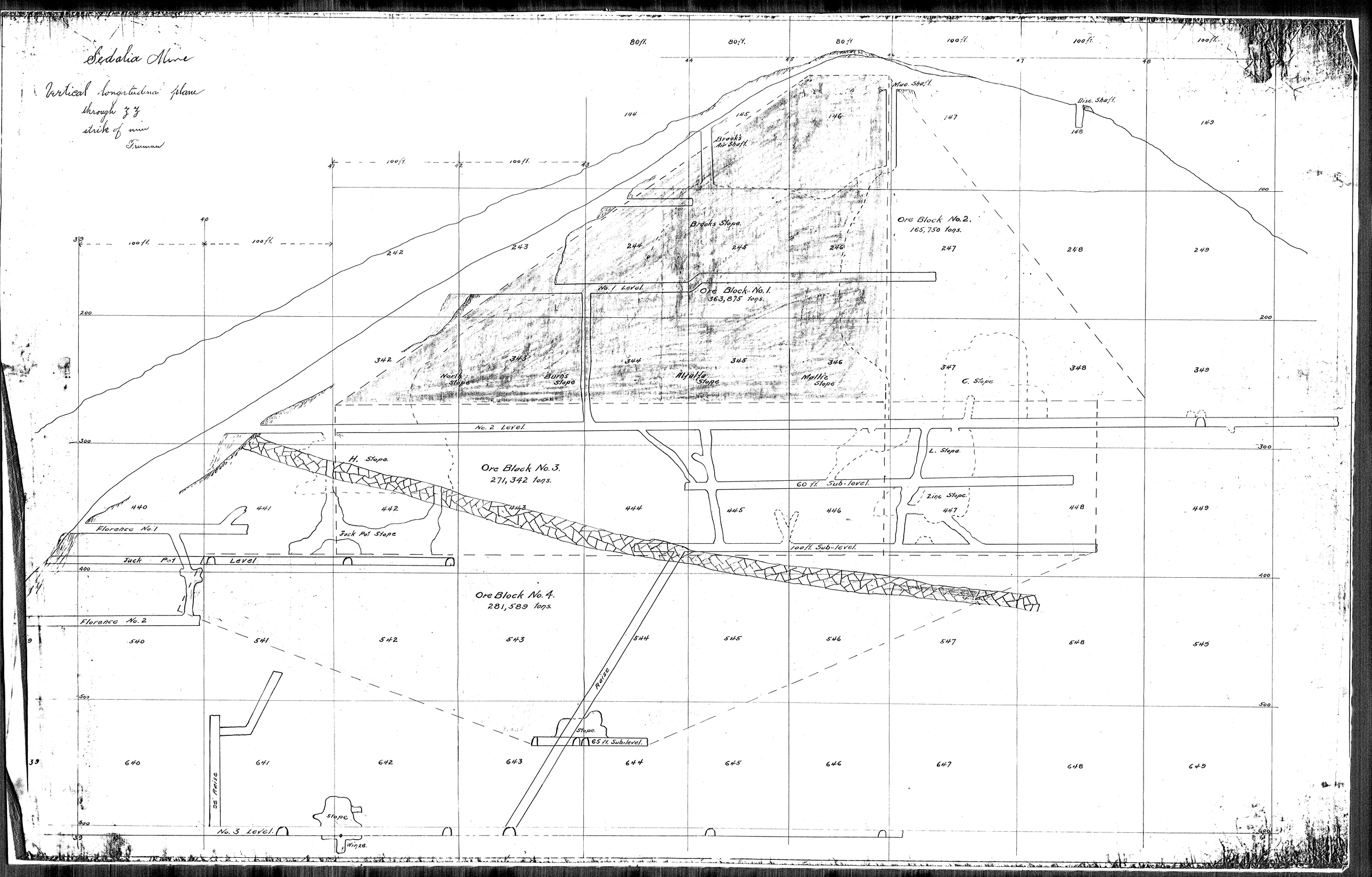

5330
Prince
N°1
N°2
3710
5770
4777
Hidden Treasure
5765
Hidden Treasure N°2
N°3 Level Copper
Jack Pot level
winze below N°3
Sedalia
Sarah Jane
Walter
Sedalia N°2
3 rail surface gravity tram
Staff House
17696
Garage
Office
Ore Bins
Sedalia
7051 ft. to Bellerview Siding: D&R.G.R.R.
17696
MAP
OF THE SEDELIA
MINE.
Scale 200 ft = 1 inch

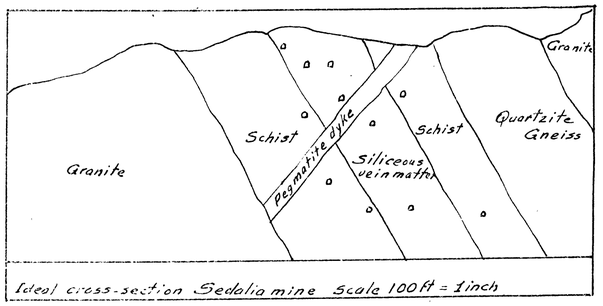

T.50 N.
Sedelia mine
13
18
17
19
20
Surface Tram
Bellerview siding
D&R.G.R.R.
Salida
R.8E.
R.9E.

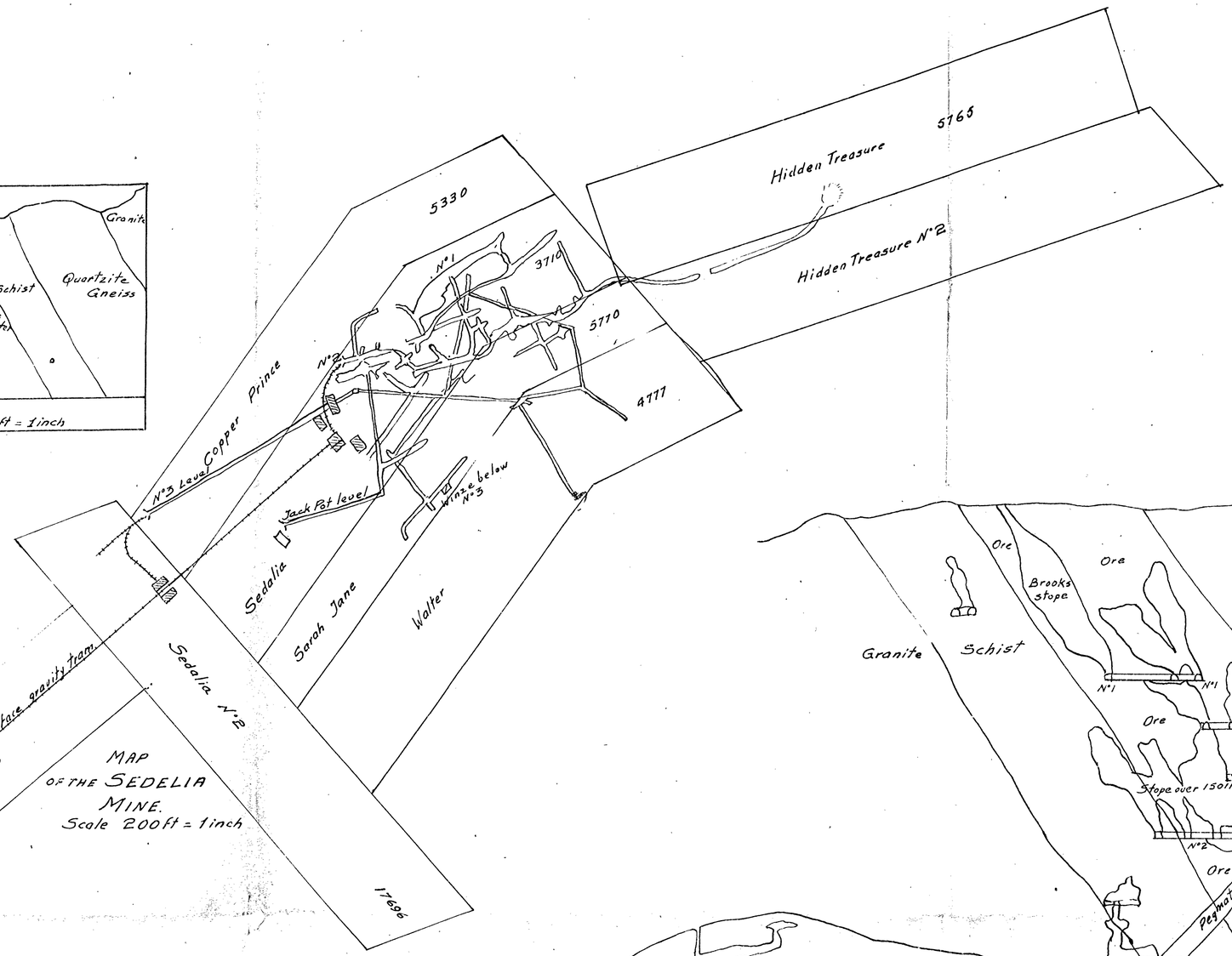

Ore
Ore
Brooks stope
Granite
Schist
Schist
Quartzite and Gneiss
N°1
N°1
Ore
Ore
Stope over 150 ft wide
dyke
N°2
Ore
Ore
Elewey Adit
Pegmatite
Jack Pot Stope
Florence level
Ore
Ore
Jack Pot Adit
Ore
Schist
Schist
Silicious vein matter
Raise in ore
Raise for Jack Pot ore
Ore
60 ft Sub.
N°3
N°3 Crosscut

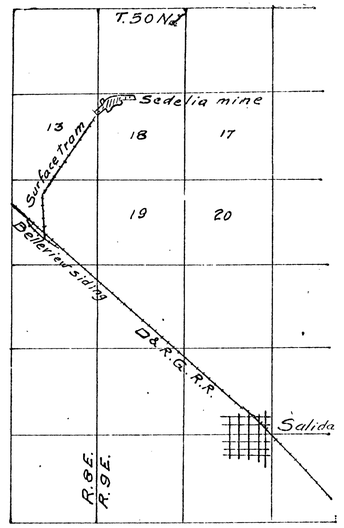

Block N°4
N°1
N°2
Ore
J. P. Stope
Pegmatite
Ore
Jack Pot
Ore
Dyke
Raise on ore
N°3
Scale 120 ft = 1 inch

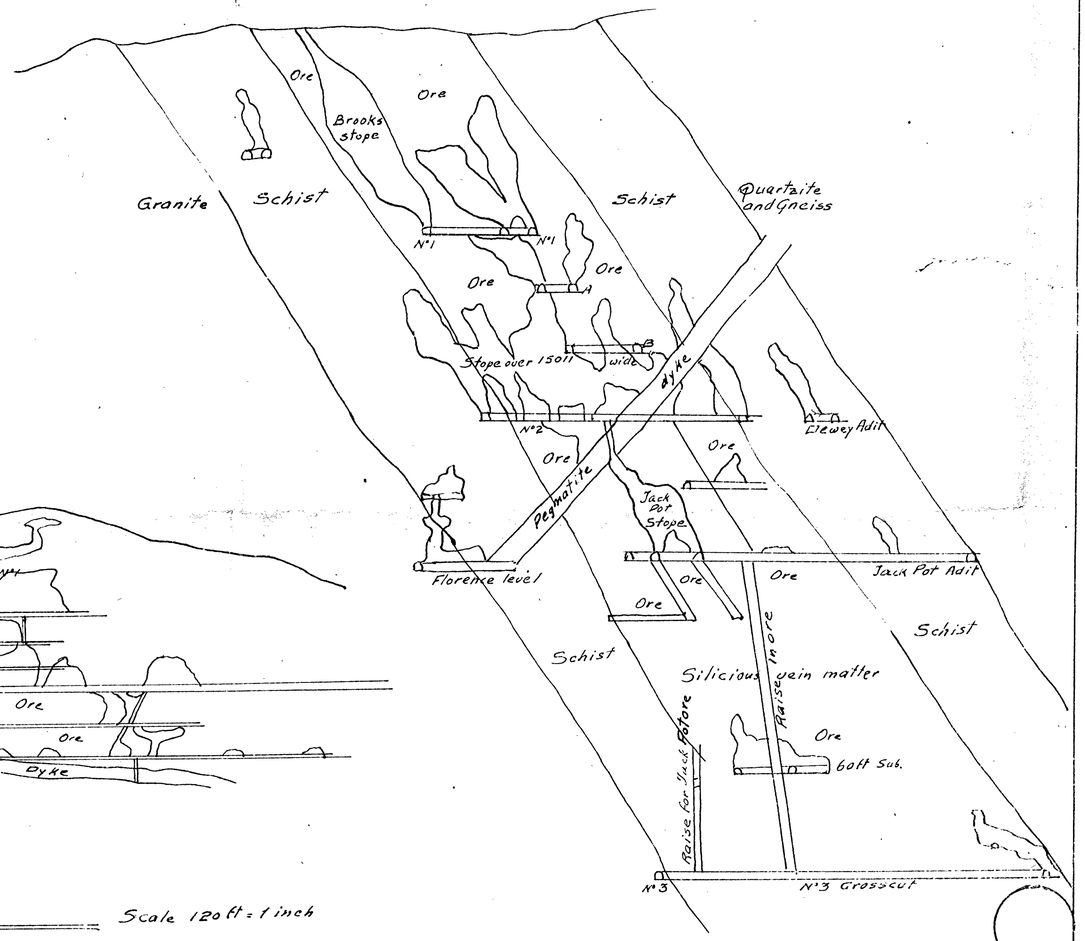

Approximate Line of foot-wall outcrop
Florence No. 2
Florence No. 1
Slope
Assay Office
Dry
No. 3 Level.
Ore House
No. 2 Level.
Shop.
Surface Tram.
Jack Pot Tunnel.
Jack Pot Level.
Jack Pot
North Slope
H. Slope.
Quarry
Burns Slope
Brooks Slope.
old Tunnel.
Brooks Air Shaft.
Mac. Shaft
Disc. Shaft.
Approximate strike of Vein N. 64° E.
Mollie Slope.
Alfalfa Slope.
C. Slope
L. Slope
60 ft. Sub-level.
100 ft. Sub-level.
Zinc Slope
No. 3 level.
No. 3 Level.
Stope
Stope under Winze
Drift East from Slope.
No. 3 level
winze
No. 3
No. 2
No. 1
No. 4
Scale 30 ft to one inch
J. H. Freeman C.E.

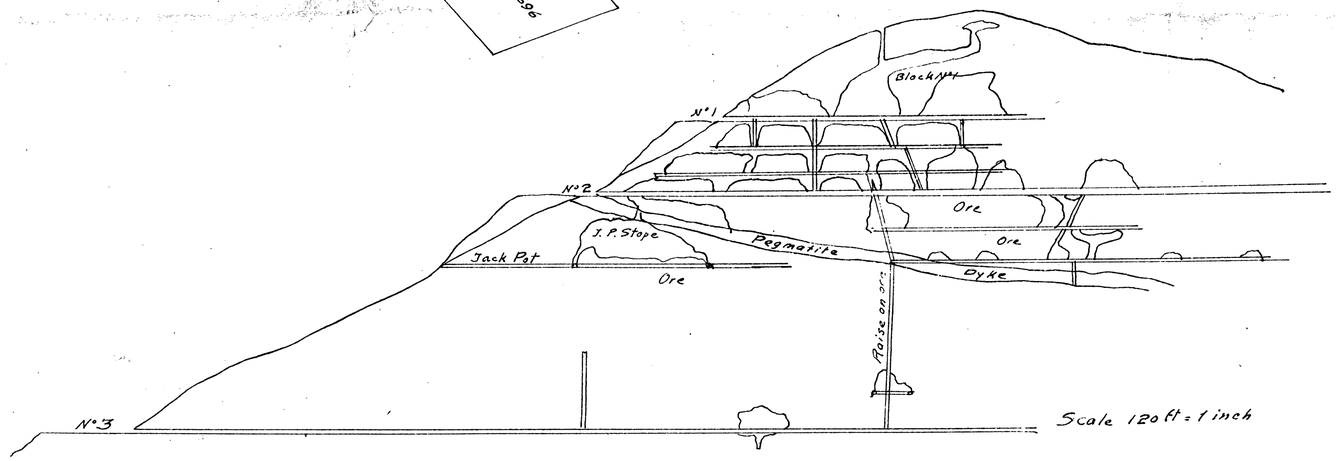

Sedalia Mine
Vertical longitudinal plane through z z strike of mine
Freeman
80 ft.
100 ft.
Muc. Shaft.
Disc. Shaft.
Brooks Air Shaft
Brooks Slope.
Ore Block No. 2.
165,750 tons.
No. 1 Level.
Ore Block No. 1.
363,875 tons.
North Slope
Burns Slope
Alpha Slope
Mollie Slope
C. Slope
No. 2 Level.
H. Slope.
Ore Block No. 3.
271,342 tons.
L. Slope.
60 ft. Sub-level.
Zinc Slope.
Florence No. 1
Jack Pot Slope
Jack Pot Level
100 ft. Sub-level.
Ore Block No. 4.
281,589 tons.
Florence No. 2
Raise
Slope.
65 ft. Sub-level.
95 Raise
Slope
No. 3 Level.
Winze.


Granite
Schist
Pegmatite dyke
Siliceous vein matter
Schist
Quartzite Gneiss
Granite
Ideal cross-section Sedalia mine Scale 100 ft = 1 inch


5330
Hidden Treasure
5765
Hidden Treasure N°2
N°1
3710
N°2
5770
4777
N°3 Level
Copper Prince
Jack Pot level
Winze below N°3
Sedalia
Sarah Jane
Walter
Sedalia N°2
3 rail surface gravity tram
Stoll House
17696
Garage
Office
Ore Bins
Sedalia
7991 ft to Ballerview Siding D&R.G.R.R.
17696
MAP OF THE SEDELIA MINE.
Scale 200 ft = 1 inch


T.50 N.
Sedelia mine
13
18
17
19
20
Surface tram
Bellarrey siding
D&R.G.R.R.
Salida
R.6E.
R.5E.


Ore
Ore
Brooks stope
Granite
Schist
Schist
Quartzite and Gneiss
N°1
N°1
Ore
Ore
Stope over 150 ft wide
N°2
Elsey Adit
Ore
Ore
Pegmatite dyke
Jack Pot Stope
Florence level
Ore
Ore
Jack Pot Adit
Ore
Schist
Schist
Silicious vein matter
Raise in ore
Raise for Jack Pot ore
Ore
60 ft Sub.
N°3
N°3 Crosscut


Block N°4
N°1
N°2
Ore
J. P. Stope
Pegmatite
Ore
Jack Pot
Ore
Dyke
Raise on ore
N°3
Scale 120 ft = 1 inch