DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/8	Griswold	500
"	Johnson	110
"	Gottesdorf	100
		220

APR 9 1958

Mr. B. N. Egan
408 Holliday Road
Lexington, Kentucky

Re: Government Canyon Property
Utah County, Utah

Dear Mr. Egan:

Referring to your April 1 inquiry, if a project was under contract by June 30 of this year, a reasonable period of time would be allowed thereafter for its completion.

Sincerely yours,

G. Ray Arnett (for)

Administrator

WRGriswold/er
Copy to: Mails and Files
Admr R File
Base Metals
Region III (2)
Chron.

8623

DMEA
RECEIVED APR 3 1958
CODE
3/3 C 20
4/1 WHr 500
4/5 225

April 1, 1958

Mr. C. O. Mittendorf
Administrator
Defense Minerals Exploration
Administration
Department of Interior
Washington 25, D.C.

Re: Government Canyon Property
Utah County, Utah

Dear Mr. Mittendorf:

Reference is made to your letter of March 27, giving information regarding the status of your agency and instructions for placing an application for an exploration program at the above property.

It is noted that regulations under which you are currently operating will terminate as of June 30, this year. Does this mean that our exploration program would have to be completed by that time or merely that it would have to be under contract by that date?

The writer feels quite sure that an application will be filed, provided we have sufficient time to properly do so, and is in the process of contacting the other owners preparatory to accumulating all necessary information to accompany the application.

Very truly yours,

B. N. Egan

good

BNE:ne

B. N. Egan
408 Holliday Road
Lexington, Kentucky

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/27	[illegible]	500
"	[illegible]	110
"	[illegible]	10
3/26	[illegible]	320

MAR 27 1958

Mr. B. N. Egan
408 Holliday Road
Lexington, Kentucky

Re: Government Canyon Property
Utah County, Utah

Dear Mr. Egan:

We have your letter of March 23, 1958 regarding an application for Government assistance in an exploration project on the cited property. As to your inquiry of our present status, the regulations under which we are currently operating will terminate as of June 30th this year. Hence, if you consider making an application, it should be filed as soon as possible.

We are attaching six copies of the application form, DMEA Order 1, Revised, and a booklet explaining the program. An application should be made in quadruplet (4 copies) giving all information requested on the form, as far as possible, and forwarded to:

Mr. W. H. King
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

On approved copper projects the Government participates to the extent of fifty per cent of the approved costs.

Sincerely yours,

[illegible] (for)

Administrator
WRGriswold/er 3/27/58
Copy to: Docket
Admr R File
Base Metals
Region III (2)
Chron.

Enclosures

8623

B. N. EGAN
MINING ENGINEER

408 Holliday Road
Lexington, Kentucky
March 23, 1958.

ORIGINAL FILE COPY
DMEA
RECEIVED MAR 26 1958
DATE | INITIAL | CODE
3/26 | C | 220
3/26 | WRB | 500

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administrator
U. S. Department of the Interior
Washington, 25, D.C.

RE: Docket No.DMEA-2965
(Copper,Lead,Zinc)
B. N. Egan (Partnership)
Government Canyon Mine
Utah County, Utah.

Dear Mr. Mittendorf:

Reference is made to correspondence from March 1953 through February 1954; also an application, identified above, in connection with our mining holdings in Government Canyon, Utah. Your latest letter dated February 15, 1954 indicated that our application for exploration assistance would be placed in an inactive status pending proof of mineralization.

We are pleased to report that recent studies and sampling on the property show quite extensive near surface low grade copper values. The results of these studies and sampling are incorporated in report by J. F. Sylvester, Geologist, now ready for release.

It will be appreciated if you will let the writer know the present status of your agency; if you are prepared to consider the re-activation of our application; the extent to which you would be able to participate in approved exploration programs of this nature; the procedure to be followed in reviving our application and any other pertinent information or instructions you may wish to offer.

Very sincerely yours,

B. N. Egan.

BNE:j

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : DMEA Files

DATE: April 19, 1957

FROM : T. H. Kilsgaard

SUBJECT: Removal of applicant's report from the file

I have removed one copy of the application from this docket -- there are 2 others present --, and have sent it to our Menlo Park Office. When this copy is returned to us I shall put it back in the docket.

This removal was approved by Mr Selfridge.

FILE COPY
SURNAME:

500

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

Griswold
Hedges
Schridge
Mittendorf

FEB 15 1954

Mr. B. N. Egan
Route 1
Mt. Vernon, Kentucky

Re: Docket No. DMA-2965 (Copper-Lead-Zinc)
B. N. Egan (Partnership)
Government Canyon Mine
Utah County, Utah

Dear Mr. Egan:

In response to the request contained in your letter of February 9, 1954, we are withdrawing your application for exploration assistance and placing it in our inactive files.

If you are able to provide us with the additional information requested at some later date, and wish to have your project reconsidered, it will be necessary for you to submit a new application, making reference to the above docket.

We regret the necessity of this action; however, it is done without prejudice to your property.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/bjl (2/12/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base, Metals
Mr. Bishop
Mr. Kinkel
Region IV (2)
Chron.

DEPARTMENT OF THE INTERIOR
Defense Mineral Administration
RECEIVED
FEB 11 1954

Route 1
Mt. Vernon, Ky.
February 9, 1954

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
U. S. Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-2965
(Copper, Lead, Zinc)
B. N. Egan (Partnership)
Government Canyon Mine
Utah County, Utah

Dear Mr. Mittendorf:

This will acknowledge your letter of February 3 regarding the above numbered application and stating that if the additional data on mineralization is not received by your office within thirty days, the application will be withdrawn from your active files.

Mineralogical studies at the above mentioned property have continued, as time permitted, but we are not, as yet, ready with the requested data. It is suggested that you withdraw our application from your active files and when the desired information is ready we will ask for reinstatement.

Very sincerely

B. N. Egan

FILE COPY
SURNAME:

500

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

FEB - 3 1954

Mr. B. N. Egan
Route 1
Mt. Vernon, Kentucky

Re: Docket No. DMA-2965 (Copper, Lead, Zinc)
B. N. Egan (Partnership)
Government Canyon Mine
Utah County, Utah

Dear Mr. Egan:

Referring to your application for Government assistance on the above-cited exploration project, on April 27, 1953, we wrote you that additional data would be required for us to give consideration to it.

To date such data has not been received. Unless the necessary information is received within thirty days, it will be necessary for us to withdraw your application from our active files.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/bjl (2/2/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Bishop
Mr. Kinkel
Region IV (2)
Chron.

RCS. 2-3-54

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 22 1954

Uncovered
Betty

224 New Customhouse
Denver 2, Colorado

January 14, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, DMEA

Subject: Docket No. DMEA 2965 (Copper-Lead-Zinc), B. N. Egan, et al. Government Canyon Mine, Utah County, Utah.

This responds to your letter of January 7, 1954 on the subject docket.

This application was not in our delegated authority, and we have no knowledge of the applicant or the property. It appears that the applicant has lost interest in the project inasmuch as he has failed to notify you regarding the results of his mineralogical studies which he stated would continue through August.

We recommend that the applicant be notified that he has 30 days in which to submit the additional information requested by Ernest Wm. Ellis in his letter to the applicant. Our copy of this letter is not dated but the applicant replied May 31, 1953.

W H King
W. H. King

A. H. Koschmann
A. H. Koschmann

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JAN 22 1954

224 New Customhouse
Denver 2, Colorado

January 14, 1954

Memorandum

To: Chairman, Operating Committee, DMEA

From: Field Team, DMEA

Subject: Docket No. DMEA 2965 (Copper-Lead-Zinc), B. N. Egan, et al. Government Canyon Mine, Utah County, Utah.

This responds to your letter of January 7, 1954 on the subject docket.

This application was not in our delegated authority, and we have no knowledge of the applicant or the property. It appears that the applicant has lost interest in the project inasmuch as he has failed to notify you regarding the results of his mineralogical studies which he stated would continue through August.

We recommend that the applicant be notified that he has 30 days in which to submit the additional information requested by Ernest Wm. Ellis in his letter to the applicant. Our copy of this letter is not dated but the applicant replied May 31, 1953.

W H King
W. H. King

A. H. Koschmann
A. H. Koschmann

FILE COPY
SURNAME:

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

Keating
Selfridge
Wittendorf

JAN - 7 1954

Mr. W. H. King, Executive Officer
DMEA Field Team, Region IV
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMEA 2965 (Copper-Lead-Zinc)
B. N. Egan, et al. (Partnership)
Government Canyon Mine
Utah County, Utah

Dear Mr. King:

The above application was received in Washington April 2, 1953, and a responding letter was sent the Applicant dated April 27, 1953, a copy of which is enclosed. He was informed that the application did not meet the DMEA requirements because of the lack of data relative to mineralization. The merits of the property, as presented, seemed to consist principally of surface geological indications that mineralization might exist. No work had been undertaken. Denial of the application was withheld pending sufficient work to substantiate the fact that an exploration program would be justified.

Mr. Egan advised us in letters dated May 31, 1953, and July 12, 1953, that he had decided upon further mineralogical studies at the property after which he would again communicate with us. We have heard nothing further from him. Copies of these letters are enclosed.

Will you please determine the status of this case and advise us as to your recommendation so that proper action may be taken toward closing this file, if that is advisable.

Sincerely yours,

George C. Selfridge (GB)

Chairman, Operating Committee

Enclosures 3
APPROVED:

J. H. Hedges (GB)
Member, Bureau of Mines

D. M. Larrabee (GB)
Member, Geological Survey

AGKeating/hmj
(1-5-54)

CC to: Docket
Adm. R. File
Op. Committee
Base Metals Division
Mr. Kinkel
Mr. Bishop
Chron.

R.C.B. 1-7-54

B. N. EGAN
MINING ENGINEER

Heating
Betty

July 12, 1953
Route 1
Mt. Vernon, Ky.

DEPARTMENT OF THE INTERIOR,
Defense Minerals Administration
RECEIVED
JUL 15 1953

Mr. Ernest Wm. Ellis, Chief
Rare & Misc. Metals Division
Defense Minerals Exploration Adm.
Washington, 25, D.C.

Re: Docket No. DMEA-2965
(Copper, Lead, Zinc)
B. N. Egan (Partnership)
Utah County, Utah

Dear Mr. Ellis:

Following up our letter of May 31, this is to report that as a result of additional work at our Government Canyon property in June, we have decided on further mineralogical studies. These will continue through August.

We will communicate with you again after that time.

Yours very truly

B. N. Egan

B. N. EGAN
MINING ENGINEER

Route 1
Mt. Vernon, Ky.
May 31, 1953

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Administration
Washington, 25, D.C.

Re: Docket No. DMEA*2965
(Copper, Lead, Zinc)
B. N. Egan (Partnership)
Utah County, Utah.

Dear Mr. Ellis:

In further connection with subject application, the owners plan to spend more time at our property during the month of June.

We will communicate with you again in early July.

Yours very truly

B. N. Egan

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 2 1953

5/6/53 gla

B. N. EGAN
MINING ENGINEER

Route 1
Mt. Vernon, Ky.
May 3, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 5 1953

Mr. Ernest Wm. Ellis, Chief
Rare and Misc. Metals Division
Defense Minerals Exploration Administration
Washington 25, D. C.

Dear Mr. Ellis:

Re: Docket No. DMEA-2965
(Copper, Lead, Zinc)
B. N. Egan (Partnership)
Utah County, Utah.

This will acknowledge your letter of April 27 in connection with the above. It is noted that the application does not meet your requirements due to lack of data concerning mineralization.

This matter has been referred to my associates and it will be appreciated if you will hold the application open until we have had time to do some further checking.

Thanking you for your promptness in replying,

Yours very truly,

B. N. Egan.

700

FILE COPY
SURNAME:

Schmidt
Ellis

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

Mr. [illegible] Egan
Route 1
Mt. Vernon, Kentucky

APR 27 1953

Re: Docket No. [illegible]A-2965
(Copper, lead, zinc)
[illegible] Egan (Partnership)
Utah County, Utah

Dear Mr. Egan:

J.C. 4/27/53

The subject application has been carefully reviewed. In its present form it does not meet our requirements due to lack of data concerning mineralization. The merits of the property seem to consist of geological indications that mineralization may exist, but apparently no work has been done to prove that this is the case.

The Defense Minerals Exploration Administration aids in the exploration of strategic and critical minerals. However, contracts are not entered into for exploring barren areas, this with the hope of proving a geological theory.

Your application has been prepared by men whose opinion, based on experience and [illegible] education, should command consideration and it is for this reason that we refrain from denying the application but bring to your attention the necessity for your [illegible] in preliminary form to establish the fact, with the aid of assays, that an exploration program is justified.

Should the required data be available which is not provided in the application, we will be pleased to add it as supplemental information to the present application and give it due consideration.

Meantime we will close this docket open pending any additional information you may wish to forward.

Sincerely yours,

FWSchmidt/[illegible]la
4-24-53
cc to: [illegible] File
Docket
Messrs. C.H.Johnson, [illegible].3621
[illegible] Winkel, Dr. Rm. E-242A, DSA
Ellis
Schmidt
DMA Field Team, Region IV (2)

Ernest Wm. Ellis, Chief
Share and Misc. Metals Division

4/21/53

DMEA 2965

Notes by Schmidt

The word mineralization is frequently used in the reports but since there are no assays it must be assumed to be iron stain which means nothing, for it may be simply pyrite oxidized.

This is a good country for ore.

The writers of the application are no novices or amateurs. This may be a good looking country but they have notprovided us with the data necessary.

Surely if there had been copper or lead and zinc in these croppings there would still be some residual oxidized minerals to assay. Surely some copper stains somewhere.

They are willing to put up $ 50,000 for their share in money which commands some respect. ~~There~~ They are sincere and they certainly have had abundant experience.

The project is too ambitious and the high cost per foot of drilling is undoubtedly due to the depth of the holes contemplated.

The ohly mineral mentioned is disseminated pyritic pseudomorphs

I do not like to deny this application at this stage for I have a certain confidence that the applicants know what they are doing, and I think possibly they may do some work or sampling to bring this application within the range of our requirements.

IN REPLY REFER TO:

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

April 15, 1953

Memorandum

Re: DMEA-2965
Government Canyon Property
Utah County, Utah
$100,000
Copper-lead-zinc

To: Mr. E. Wm. Ellis

From: E. L. Newcomb, USGS

Subject: Recommendation for denial

The applicant proposes to do 10,000 feet of diamond drilling on the Keeneland claims.

The project is based mainly on widespread evidence of rock alteration and the presence of a "gosson cap" on the property. However, no evidence of copper or lead-zinc mineralization has been found on any of the claims.

No previous significant mining or exploration work has been done on the property.

The Keeneland claims are near the southern edge of the Tintic district. However, favorable sedimentary rocks, similar to the ore-bearing formations in the Tintic district, do not outcrop on the property. As rhyolite, latite and monzonite cover most of the area, the depth of sedimentary rocks below the surface is unknown. Drilling on the property would be a wildcat proposition as there is no data available to plan a geologically feasible program. The proposed holes would provide useful geological information, but it is unlikely that they would cut any lead-zinc or copper mineralization.

The applicant states that a gossan zone on his property is similar to the oxidized zone on the San Manuel mine in Arizona and is therefore suggestive of possible copper at depth. Past experience by the U. S. Geological Survey and private companies in the Tintic district has shown that "gossan caps" are numerous but are not positive indications of underlying ore. Most of these oxidized areas have proven to be "false gossans" in that they are rusty jasper zones that may not mark ore-bearing channelways at depth.

This application has been discussed with a member of the U. S. Geological Survey who is currently studying rock alteration in the southern Tintic district. The work has indicated that a very detailed investigation of alteration must be done before any exploration can be recommended for a specific area in the Tintic district.

This would apply to the Keeneland property as it lies near the margin of the Tintic district. The proposed drilling is highly speculative, and is not considered to be feasible exploration as there are no good geological targets on the property.

We recommend the application be denied for copper or lead-zinc exploration assistance.

E. L. Newcomb
E. L. Newcomb
Geologist

IN REPLY REFER TO:

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

April 15, 1953

Memorandum

Re: IMA-2965
Government Canyon Property
Utah County, Utah
$100,000
Copper-lead-zinc

To: Mr. E. Wm. Ellis

From: E. L. Newcomb, USGS

Subject: Recommendation for denial

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This application has been discussed with a member of the U. S. Geological Survey who is currently studying rock alteration in the southern Tintic district. The work has indicated that a very detailed investigation of alteration must be done before any exploration can be recommended for a specific area in the Tintic district.

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We recommend the application be denied for copper or lead-zinc exploration assistance.

F. L. Newcomb
Geologist

IN REPLY REFER TO:

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

April 15, 1953

Memorandum

Re: DMA-2965
Government Canyon Property
Utah County, Utah
$100,000
Copper-lead-zinc

To: Mr. E. Wm. Ellis

From: L. L. Newcomb, USGS

Subject: Recommendation for denial

The applicant proposes to do 10,000 feet of diamond drilling on the Keeneland claims.

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We recommend the application be denied for copper or lead-zinc exploration assistance.

E. L. Newcomb
Geologist

4/15/53 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

April 13, 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2965 (Copper) B. N. Egan, ~~Copper~~ Canyon Mining Property, Utah County, Utah

I have reviewed the above-named application. The applicant submits no evidence of past production or of existing copper or other base-metal mineralization on the property. There appears to have been no sampling. The map indicates that two shallow workings were driven - one known as the Goddard Tunnel and the other as the Jumbo Shaft - but the description of the property makes no mention of any mineralization revealed in these workings or on their dumps. The proposal to drill $100,000 worth of holes therefore is completely unjustified and I should not be inclined to favor field referral until this flaw in the application has been pointed out to the applicant and he has been asked to submit better justification for the exploration project.

The application is returned herewith.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - Mr. Kinkel, Room 4234-GSA
Minerals Division
Base Metals Branch
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

April 13, 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-6965 (Copper) D. M. Egan, Copper Canyon Mining Property, Utah County, Utah

I have reviewed the above-named application. The applicant submits no evidence of past production or of existing copper or other base-metal mineralization on the property. There appears to have been no sampling. The map indicates that two shallow workings were driven - one known as the Goddard Tunnel and the other as the Jumbo Shaft - but the description of the property makes no mention of any mineralization revealed in these workings or on their dumps. The proposal to drill $100,000 worth of holes therefore is completely unjustified and I should not be inclined to favor field referral until this flaw in the application has been pointed out to the applicant and he has been asked to submit better justification for the exploration project.

The application is returned herewith.

C. H. JOHNSON

C. H. Johnson

Attachment

CHJohnson:kg
Copy to: Mr. Finkel, Room 1231-GSA
Minerals Division
Base Metals Branch
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

April 13, 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2965 (Copper) B. M. Egan, Copper Canyon Mining Property, Utah County, Utah

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C. H. JOHNSON

C. H. Johnson

Attachment

CHJohnson:lg

Copy to: H. Winkel, Room 1231-GSA
Minerals Division
Base Metals Branch
Files

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

Defense Minerals Administration
RECEIVED
APR 2 1953

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2965
Metal or Mineral
Date Received 4-2-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: B. N. Egan (Partnership)
Route 1
Mt. Vernon, Kentucky

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. -

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. -

(*d*) If a partnership, add to the above statement the names and addresses of all partners. (See attached sheet)

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract (See attached sheet)

(*b*) State any mine name by which the property is known. Government Canyon Mining Property

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise 829 acres of mineral rights owned - 18 unpatented claims (360 acres) filed.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. --

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. (See attached sheet)

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(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. (See attached sheet and accompanying reports and map)

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. (See attached sheet)

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. (See attached sheet)

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Copper; also lead-zinc

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. (See attached sheet)

(*c*) The work will start within 90 days and be completed within 18 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations (See attached Sheet)

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet) under the following headings. Add the totals under all headings to give the estimated total cost of the project: (See attached sheet)

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(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes

(*b*) How do you propose to furnish your share of the costs?

[x] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated March 31, 1953

B. N. Egan (Partnership)
(Applicant)

By B. N. Egan

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—66551-1

Supplemental Information

Application for Aid in an Exploration Project
B. N. Egan

1. Name of Applicant -

(d) Partners:
B. N. Egan, Route 1, Mt. Vernon, Kentucky; Frank J. Sylvester, 588 E. 13th South, Salt Lake City, Utah; Howard N. Egan, Box 454, Gary, West Virginia; James F. Sylvester, 803 Chestnut, Pine Bluff, Arkansas.

3. Applicant's Property Rights -

(a) In the name of B. N. Egan, Quit Claim Deed to "all mines, minerals, oil and gas, deposits of limestone, slate or any other deposits of commercial value upon or under the following described tract: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, and the East half of the Southwest quarter of Section 14, Township 11 South, Range 2 West, Salt Lake Meridian, comprising 829.08 acres."

Recorded in Book 593, Pages 614-15, Utah County Recorders Office, Provo, Utah.

Also, filed in the name of B. N. Egan, 18 unpatented Claims.

(f)

Claim Name	Book No.	Page No.
Keeneland	613	538
" No. 1	613	539
" " 2	613	540
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" " 6	613	543
" " 7	613	544
" " 8	613	545
" " 9	613	546
" " 10	613	547
" " 11	613	548
" " 12	613	549
" " 13	613	550
" " 14	613	551
" " 15	613	552
" " 16	613	553
" " 17	613	554
" " 18	613	555

Recorded in Utah County Recorders Office, Provo, Utah.

Supplemental Information (Cont'd)

Application - B. N. Egan

4. Physical Description -

(a) No mining, or exploration operations, of any consequence have been conducted on this property and there are no production facilities there.

(c) The widespread alteration of the rhyolites and latites, numerous mineralized dykes and jasperoid outcrops, a heavily mineralized and somewhat gossanized iron capping in one area and the indication of massive displacement and broken zones all give evidence of mineralization and the possibility of copper porphry ore bodies. No sedimentary rock is found on the surface, but calcite and chert deposits indicate that sediments may be fairly close to the surface.

Drill holes should determine the proximity of these sediments and disclose the type and extent of ore deposited beneath the altered and mineralized areas in the rhyolite flow. (See geologic report and map, enclosed)

(d) The property is about 12 miles from Goshen, the nearest town and post office. A low-type automobile road leads to the property but the last 2½ miles is presently passable only in dry weather. A railroad shipping point is also 12 miles distant at Alberta, over the same road. Most normal supplies are available at Goshen, and Eureka, about 25 miles away, and all necessary supplies are available in Salt Lake City, 100 miles away.

(e) Labor is now available in the Tintic Mining District due to several old mines having recently shut down.

It is contemplated that the drilling subcontractor will furnish all labor, materials, supplies, equipment and power for the drilling program. Water is available on the site, in varying quantities depending on the seasons, but a dependable source for drilling requirements is available about six miles from the property.

5. The Exploration Project -

(b) The proposed program consists of diamond drilling and logging and study of cores. It is expected that the first hole will determine the proximity of the sedimentary rock to the surface and prove the continuation of surface alterations and mineralization into the sediments. Subsequent holes will indicate values and extent of expected ore bodies.

Supplemental Information (Cont'd)

Application - B. N. Egan

5. The Exploration Project - (Cont'd)

(d) B. N. Egan - 20 years in mining industry in supervisory and managerial capacities. Supervised a tin mine core drilling program in Bolivia.

James F. Sylvester - 4 years in geological exploration work and many years previously in practical mining work.

One of the foregoing will supervise the drilling program and the other will be available for consultation. (See accompanying report for brief background on each partner)

6. Estimate of Costs -

(a) Independent contracts:

Drilling contract - 10,000 feet of holes, average cost of $9.10 per foot - $ 91,000.00

Note: Number of holes drilled and depths drilled will greatly affect cost per foot. It is assumed, under a progressive program such as this, that the drilling sub-contract will be negotiated on a sliding scale basis.

(b) Labor, supervision, consultants:*

Supervisor, @ $600.00 per month, 10 mos.	$6,000.00	
Geological Consultant, Fees	1,500.00	
Travel Expense, Consultant	500.00	8,000.00

(g) Miscellaneous:

Typing and clerical work	$ 100.00	
W. C. and P. R. Tax Expense	400.00	
Office Supplies, etc.	100.00	600.00

(h) Contingencies (Communications, etc.) 400.00

Total $ 100,000.00

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

Defense Minerals Administration
RECEIVED
APR 2 1953

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-2965
Metal or Mineral
Date Received 4-2-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: B. N. Egan (Partnership)
Route 1
Mt. Vernon, Kentucky

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. -

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. -

(*d*) If a partnership, add to the above statement the names and addresses of all partners. (See attached sheet)

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract (See attached sheet)

(*b*) State any mine name by which the property is known. Government Canyon Mining Property

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise 829 acres of mineral rights owned - 18 unpatented claims (360 acres) filed.

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(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. (See attached sheet and accompanying reports and map)

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Explain in detail on acompanying paper.

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The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated March 31, 1953

B. N. Egan (Partnership)
(Applicant)

By B. N. Egan

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U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

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Application for Aid in an Exploration Project
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(d) Partners:
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(a) In the name of B. N. Egan, Quit Claim Deed to "all mines, minerals, oil and gas, deposits of limestone, slate or any other deposits of commercial value upon or under the following described tract: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and 18, and the East half of the Southwest quarter of Section 14, Township 11 South, Range 2 West, Salt Lake Meridian, comprising 829.08 acres."

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Drill holes should determine the proximity of these sediments and disclose the type and extent of ore deposited beneath the altered and mineralized areas in the rhyolite flow. (See geologic report and map, enclosed)

(d) The property is about 12 miles from Goshen, the nearest town and post office. A low-type automobile road leads to the property but the last 2½ miles is presently passable only in dry weather. A railroad shipping point is also 12 miles distant at Alberta, over the same road. Most normal supplies are available at Goshen, and Eureka, about 25 miles away, and all necessary supplies are available in Salt Lake City, 100 miles away.

(e) Labor is now available in the Tintic Mining District due to several old mines having recently shut down.

It is contemplated that the drilling subcontractor will furnish all labor, materials, supplies, equipment and power for the drilling program. Water is available on the site, in varying quantities depending on the seasons, but a dependable source for drilling requirements is available about six miles from the property.

5. The Exploration Project -

(b) The proposed program consists of diamond drilling and logging and study of cores. It is expected that the first hole will determine the proximity of the sedimentary rock to the surface and prove the continuation of surface alterations and mineralization into the sediments. Subsequent holes will indicate values and extent of expected ore bodies.

Supplemental Information (Cont'd)

Application - B. N. Egan

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W. C. and P. R. Tax Expense	400.00	
Office Supplies, etc.	100.00	600.00

(h) Contingencies (Communications, etc.) 400.00

Total $ 100,000.00

GOVERNMENT CANYON MINING PROPERTY

UTAH COUNTY

UTAH

B. N. Egan
Route 1
Mt. Vernon, Kentucky

GENERAL INFORMATION
ON
GOVERNMENT CANYON MINING PROPERTY
UTAH
February 1, 1953

I. Location and Description

The Government Canyon mining property is ideally located on the south margin of the Tintic Mining District, Utah County, Utah, approximately 90 miles south and slightly west of Salt Lake City and approximately 12 miles southwest of Goshen, Utah, the nearest town and post office. The holdings consist of 829 acres of deeded mineral rights and 360 acres of claims, resulting in a consolidated total of 1189 acres.

There is a railroad loading point at Elberta, approximately 12 miles from the property, on a D & R G R R branch constructed to serve Tintic Standard Mining Co., and a low-type automobile road to the area. The last 2½ miles of this road, in Government Canyon, is presently passable only in dry weather.

The mountains surrounding Government Canyon are not precipitous but resemble, in general appearance, those in the area of the Tintic Standard mine, which has been one of the major producers in the District. The canyon is approximately a mile wide with small ridges and valleys in between. There are two springs in the area where at least some water is available the year around. There is also considerable seasonal run-off from snow.

II. Program and Expectations

The surface geology has been carefully worked out by a competent geologist and is covered in a separate technical report with accompanying map. Additional geologic information at depth can best be obtained by a diamond drilling program. A proposed exploratory program is also covered in a separate report which includes cost estimates and recommended procedure.

Alterations and other signs of mineralization are wide spread in the Canyon and a large area on the property gives promise of copper porphry ore bodies with some indications of lead-zinc. Minor surface values in silver and gold have also been reported.

Assuming positive results from the exploration work, a mine development program cannot be properly projected until information is available on the type, location and extent of the mineral deposit.

B. N. Egan

GEOLOGIC REPORT
on
GOVERNMENT CANYON MINING PROPERTY
UTAH
November 1, 1952

CONCLUSIONS:

The surface conditions and available geologic information give strong evidence for the developing of ore bodies. The following reasons for this statement are given: (1) The wide spread alteration and bleaching of the rhyolites and latites evidences the mineralization that has taken place. (2) Numerous mineralized dikes and widespread jasperoid outcrops indicate a parallel to the main Tintic Ore Zones. (3) The extensive iron capping northeast of the central ridge of the property is heavily mineralized and is somewhat gossanized; it has a striking similiarity to the San Manuel Property of Arizona. (4) The graben type structure of the canyon proper indicates much displacement and broken zones which are necessary for widespread mineralization and ore zones.

TOPOGRAPHY:

The northern part of the district is characterized by limestones and dolomites. The Tintic Range is the most easterly of the great Basin and Range Province, and a continuation of the highly productive Oquirrh Mountains which contain the fabulous Bingham District.

Government Canyon Area is characterized by gently sloping ridges and gulleys within the canyon, and 2,000-3,000 foot relief to the divide on the west.

GENERAL GEOLOGY:

The Tintic District is a complex structural syncline with the whole block thrust faulted to the east. The displacement is of such magnitude that sediments 7,000 feet apart in the stratigraphic column are adjacent along the thrust fault zone. This fault zone strikes southerly along the eastern edge of the Tintic Standard Mine and is traceable to the area northwest of the Knight Tunnel. This shear zone can be noted on the east side of Government Canyon, but the extrusive rocks have covered any displacement features. In the Government Canyon Area there are no sediments found on the surface, but calcite and chert deposits indicate that sediments may be fairly close to the surface in several local areas. Breccia having the appearance of quartzite was along several of the faulted zones indicating sedimentary rocks adjacent to the fault zones.

STRUCTURAL GEOLOGY:

The Government Canyon Area is a complex faulted graben type structure with some displacement features expressed in the overlying extrusive rocks. Several phases of igneous

intrusion are shown and post igneous faulting is also indicated adjacent to the monzonite porphry.

MINERALIZATION AND ALTERATION:

From the Goddard Tunnel west to the old Jumbo incline there are numerous outcroppings of iron stained jasperoid. This is good evidence of ore in Tintic District. These outcroppings vary from 200 feet to 800 feet in width and the areas adjacent to the jasperoid are highly altered. The area at the south end of Keeneland Claims Nos. 13 and 14 covers an old volcanic plug which is the most extensively mineralized part of the property. This plug is characterized by an iron gossan capping on the east slope; the capping has been cut by faults and numerous vein dykes containing what appears to be quartzite breccia which has been brought up by the intrusion. This area has been extensively silicified and reworked by mineralizing solutions. Finely disseminated pyritic pseudomorphs are distributed throughout the mass.

This entire mineralized area has a very close resemblance to the San Manuel Property in southern Arizona, and the hydrothermal alteration as related to the silicified areas also has a close similarity.

West of the volcanic plug, extensive kaolinization and sericitization of the tuffs and latites have taken place with strong local areas of chloritization and widespread jarosite veinlets evidencing strong sulfate waters. Adjacent to this altered area on the west, another tabular mass of jasperoid outcrops along a northwest strike dipping slightly to the east. This mass is from 50 feet on the south end to 175 feet wide on the north end and is nearly 900 feet in a north-south direction. Northwest of this jasperoid zone is an extensive area of alteration which fans out north and west over hundreds of feet.

At the Jumbo inclined shaft, which is only 65 feet deep, there appears to be a separate zone of mineralization which is traceable west toward Sunrise Peak monzonite. The broken zone is composed of monzonite breccia with a fissure filling of rhodocrosite and pyrolusite manganese minerals; the zone also shows much brecciation and evidence of post mineral faulting. At intervals along the strike of the broken zone there are local areas of monzonite with much evidence of displacement. Keeneland Claim No. 9 is cut by an extensive fault zone which veers easterly toward the flat meadow area on the south side of the Jumbo area. There is much manganese and iron rich monzonite float found over this section, and fault gouge and breccia is found extensively and indicates there is widespread mineralization.

ADDITIONAL GEOLOGIC INFORMATION ON DEVELOPMENT AND RESEARCH:

T. S. Lovering, who has been making a complete geological and mineralogical study of the Tintic Area for the USGS during the past eight to ten years, told the writer that the old idea of all Tintic ore bodies originating from the same mineralizer has now been discarded. The present idea which is backed by a great deal of geologic study, indicates that the localized ore bodies; Tintic Standard, North Lily, Eureka Standard and Mammoth Area, to name a few, all have separate ore solution sources. Much exploration has been done in the Tintic District at the recommendation of Dr. Lovering and ore bodies located by the geochemical hydrothermal alteration studies correlated with detailed geologic interpretations obtained by diamond drilling. For example, at the Apex Standard, which is south and east of the Tintic Standard Area, an extensive diamond drilling program disclosed over 40~~0~~ feet of ore which has values of 1 to 2% lead with some sphalerite disseminated throughout the zone. Longyear Corporation has done some diamond drilling east and north of the Sunrise Peak and located a copper porphry ore zone with values up to 1.6% copper, so I am informed by representatives of USGS working in that area. The zone was located at 2,200 feet which would be commercial ore in the Government Canyon Area, and an open pit operation because of the difference in elevation.

J. F. Sylvester
Geologic Engineer

PROPOSED EXPLORATION PROGRAM
for
GOVERNMENT CANYON MINING PROPERTY
UTAH
March 1, 1953

PROGRAM

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J. F. Sylvester

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Owners of
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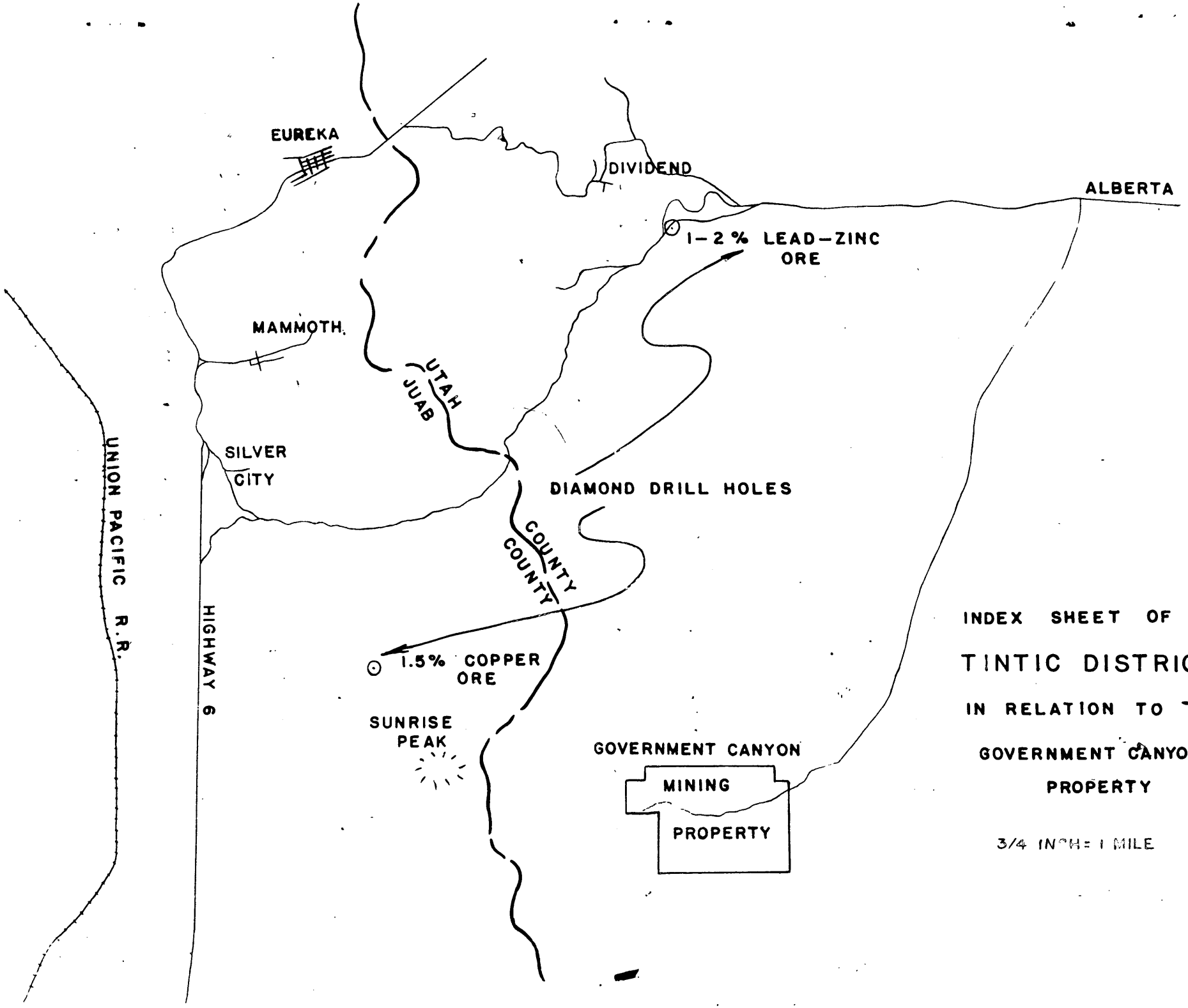

INDEX SHEET OF THE

TINTIC DISTRICT

IN RELATION TO THE

GOVERNMENT CANYON

PROPERTY

3/4 INCH = 1 MILE

GOVERNMENT CANYON MINING PROPERTY

UTAH COUNTY

UTAH

B. N. Egan
Route 1
Mt. Vernon, Kentucky

GENERAL INFORMATION
ON
GOVERNMENT CANYON MINING PROPERTY
UTAH
February 1, 1953

I. Location and Description

The Government Canyon mining property is ideally located on the south margin of the Tintic Mining District, Utah County, Utah, approximately 90 miles south and slightly west of Salt Lake City and approximately 12 miles southwest of Goshen, Utah, the nearest town and post office. The holdings consist of 829 acres of deeded mineral rights and 360 acres of claims, resulting in a consolidated total of 1189 acres.

There is a railroad loading point at Elberta, approximately 12 miles from the property, on a D & R G R R branch constructed to serve Tintic Standard Mining Co., and a low-type automobile road to the area. The last 2½ miles of this road, in Government Canyon, is presently passable only in dry weather.

The mountains surrounding Government Canyon are not precipitous but resemble, in general appearance, those in the area of the Tintic Standard mine, which has been one of the major producers in the District. The canyon is approximately a mile wide with small ridges and valleys in between. There are two springs in the area where at least some water is available the year around. There is also considerable seasonal run-off from snow.

II. Program and Expectations

The surface geology has been carefully worked out by a competent geologist and is covered in a separate technical report with accompanying map. Additional geologic information at depth can best be obtained by a diamond drilling program. A proposed exploratory program is also covered in a separate report which includes cost estimates and recommended procedure.

Alterations and other signs of mineralization are wide spread in the Canyon and a large area on the property gives promise of copper porphry ore bodies with some indications of lead-zinc. Minor surface values in silver and gold have also been reported.

Assuming positive results from the exploration work, a mine development program cannot be properly projected until information is available on the type, location and extent of the mineral deposit.

B. N. Egan

GEOLOGIC REPORT
on
GOVERNMENT CANYON MINING PROPERTY
UTAH
November 1, 1952

CONCLUSIONS:

The surface conditions and available geologic information give strong evidence for the developing of ore bodies. The following reasons for this statement are given: (1) The wide spread alteration and bleaching of the rhyolites and latites evidences the mineralization that has taken place. (2) Numerous mineralized dikes and widespread jasperoid outcrops indicate a parallel to the main Tintic Ore Zones. (3) The extensive iron capping northeast of the central ridge of the property is heavily mineralized and is somewhat gossanized; it has a striking similarity to the San Manuel Property of Arizona. (4) The graben type structure of the canyon proper indicates much displacement and broken zones which are necessary for widespread mineralization and ore zones.

TOPOGRAPHY:

The northern part of the district is characterized by limestones and dolomites. The Tintic Range is the most easterly of the great Basin and Range Province, and a continuation of the highly productive Oquirrh Mountains which contain the fabulous Bingham District.

Government Canyon Area is characterized by gently sloping ridges and galleys within the canyon, and 2,000-3,000 foot relief to the divide on the west.

GENERAL GEOLOGY:

The Tintic District is a complex structural syncline with the whole block thrust faulted to the east. The displacement is of such magnitude that sediments 7,000 feet apart in the stratigraphic column are adjacent along the thrust fault zone. This fault zone strikes southerly along the eastern edge of the Tintic Standard Mine and is traceable to the area northwest of the Knight Tunnel. This shear zone can be noted on the east side of Government Canyon, but the extrusive rocks have covered any displacement features. In the Government Canyon Area there are no sediments found on the surface, but calcite and chert deposits indicate that sediments may be fairly close to the surface in several local areas. Breccia having the appearance of quartzite was along several of the faulted zones indicating sedimentary rocks adjacent to the fault zones.

STRUCTURAL GEOLOGY:

The Government Canyon Area is a complex faulted graben type structure with some displacement features expressed in the overlying extrusive rocks. Several phases of igneous

intrusion are shown and post igneous faulting is also indicated adjacent to the monzonite porphry.

MINERALIZATION AND ALTERATION:

From the Goddard Tunnel west to the old Jumbo incline there are numerous outcroppings of iron stained jasperoid. This is good evidence of ore in Tintic District. These outcroppings vary from 200 feet to 800 feet in width and the areas adjacent to the jasperoid are highly altered. The area at the south end of Keeneland Claims Nos. 13 and 14 covers an old volcanic plug which is the most extensively mineralized part of the property. This plug is characterized by an iron gossan capping on the east slope; the capping has been cut by faults and numerous vein dykes containing what appears to be quartzite breccia which has been brought up by the intrusion. This area has been extensively silicified and reworked by mineralizing solutions. Finely disseminated pyritic pseudomorphs are distributed throughout the mass.

This entire mineralized area has a very close resemblance to the San Manuel Property in southern Arizona, and the hydrothermal alteration as related to the silicified areas also has a close similarity.

West of the volcanic plug, extensive kaolinization and sericitization of the tuffs and latites have taken place with strong local areas of chloritization and widespread jarosite veinlets evidencing strong sulfate waters. Adjacent to this altered area on the west, another tabular mass of jasperoid outcrops along a northwest strike dipping slightly to the east. This mass is from 50 feet on the south end to 175 feet wide on the north end and is nearly 900 feet in a north-south direction. Northwest of this jasperoid zone is an extensive area of alteration which fans out north and west over hundreds of feet.

No copper?

At the Jumbo inclined shaft, which is only 65 feet deep, there appears to be a separate zone of mineralization which is traceable west toward Sunrise Peak monzonite. The broken zone is composed of monzonite breccia with a fissure filling of rhodocrosite and pyrolusite manganese minerals; the zone also shows much brecciation and evidence of post mineral faulting. At intervals along the strike of the broken zone there are local areas of monzonite with much evidence of displacement. Keeneland Claim No. 9 is cut by an extensive fault zone which veers easterly toward the flat meadow area on the south side of the Jumbo area. There is much manganese and iron rich monzonite float found over this section, and fault gouge and breccia is found extensively and indicates there is widespread mineralization.

What about Goddard Tunnel.

ADDITIONAL GEOLOGIC INFORMATION ON DEVELOPMENT AND RESEARCH:

T. S. Lovering, who has been making a complete geological and mineralogical study of the Tintic Area for the USGS during the past eight to ten years, told the writer that the old idea of all Tintic ore bodies originating from the same mineralizer has now been discarded. The present idea which is backed by a great deal of geologic study, indicates that the localized ore bodies; Tintic Standard, North Lily, Eureka Standard and Mammoth Area, to name a few, all have separate ore solution sources. Much exploration has been done in the Tintic District at the recommendation of Dr. Lovering and ore bodies located by the geochemical hydrothermal alteration studies correlated with detailed geologic interpretations obtained by diamond drilling. For example, at the Apex Standard, which is south and east of the Tintic Standard Area, an extensive diamond drilling program disclosed over 400 feet of ore which has values of 1 to 2% lead with some sphallerite disseminated throughout the zone. Longyear Corporation has done some diamond drilling east and north of the Sunrise Peak and located a copper porphry ore zone with values up to 1.6% copper, so I am informed by representatives of USGS working in that area. The zone was located at 2,200 feet which would be commercial ore in the Government Canyon Area, and an open pit operation because of the difference in elevation.

J. F. Sylvester
Geologic Engineer

PROPOSED EXPLORATION PROGRAM
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UTAH
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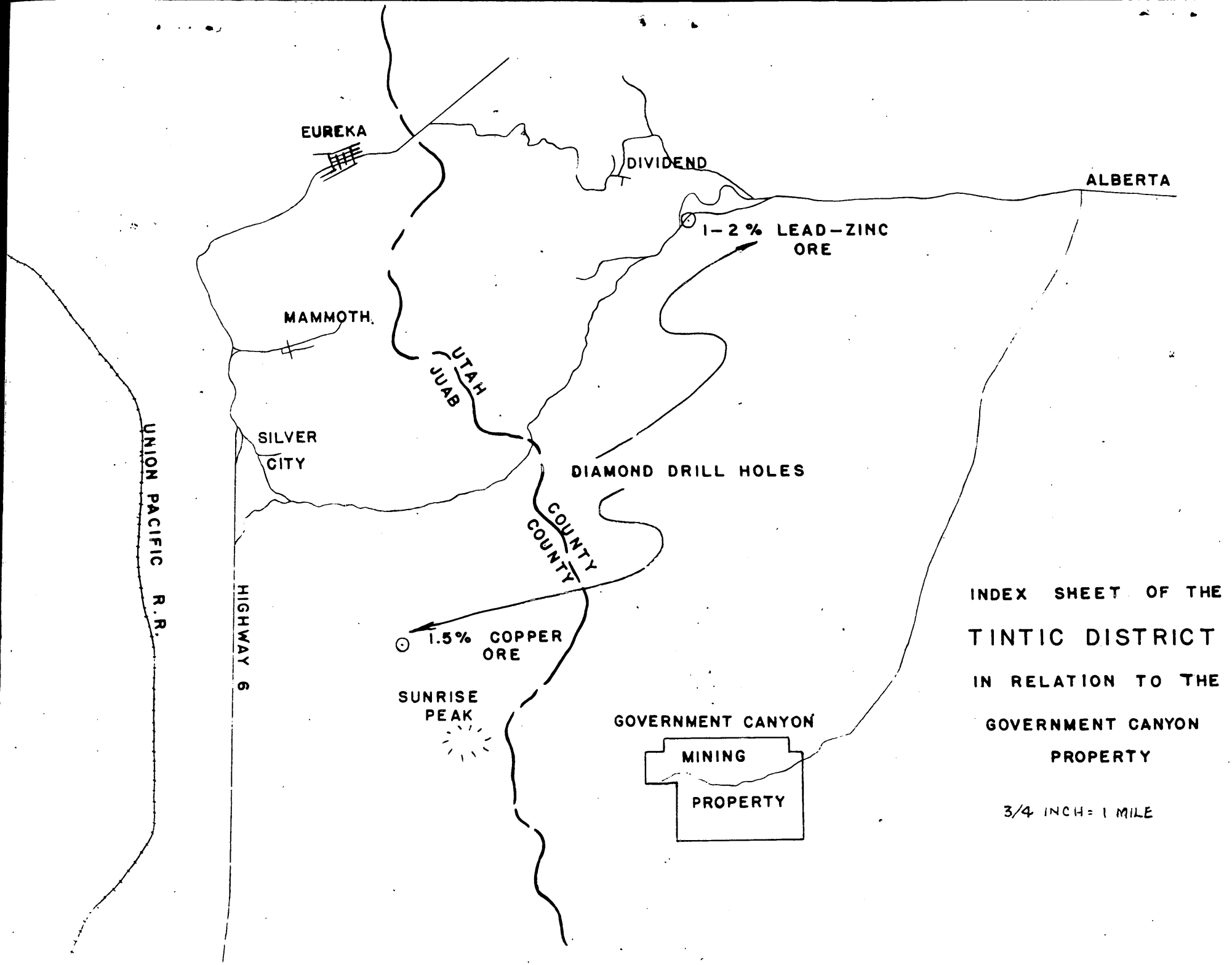
EUREKA
DIVIDEND
ALBERTA
1-2 % LEAD-ZINC ORE
MAMMOTH
UTAH
JUAB
SILVER CITY
DIAMOND DRILL HOLES
COUNTY
COUNTY
UNION PACIFIC R.R.
HIGHWAY 6
1.5% COPPER ORE
SUNRISE PEAK
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April 2, 1953

Mr. B. N. Egan
Route 1
Mt. Vernon, Kentucky

DMEA-2965
Subject: Exploration Assistance
Government Canyon Mining Property

My dear Mr. Egan:

The receipt of your application dated March 31, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2965 and referred to the Rare and Miscellaneous Metals Division.

Kindly refer to DMEA-2965 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams, Chief
Operations Control and
Statistics Division

B. N. EGAN
MINING ENGINEER

Route 1
Mt. Vernon, Kentucky
March 31, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 2 1953

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Washington 25, D.C.

Dear Mr. Mittendorf:

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If desired, our geologist, Mr. J. F. Sylvester, will be available for discussions with either your Washington personnel or your field representatives in Denver prior to examination of the property. Also, if there is additional information needed, we will be pleased to furnish it,

In acknowledging receipt of this application, it will be appreciated if you will give us an estimate as to the time which will be required to act on it.

Yours very truly

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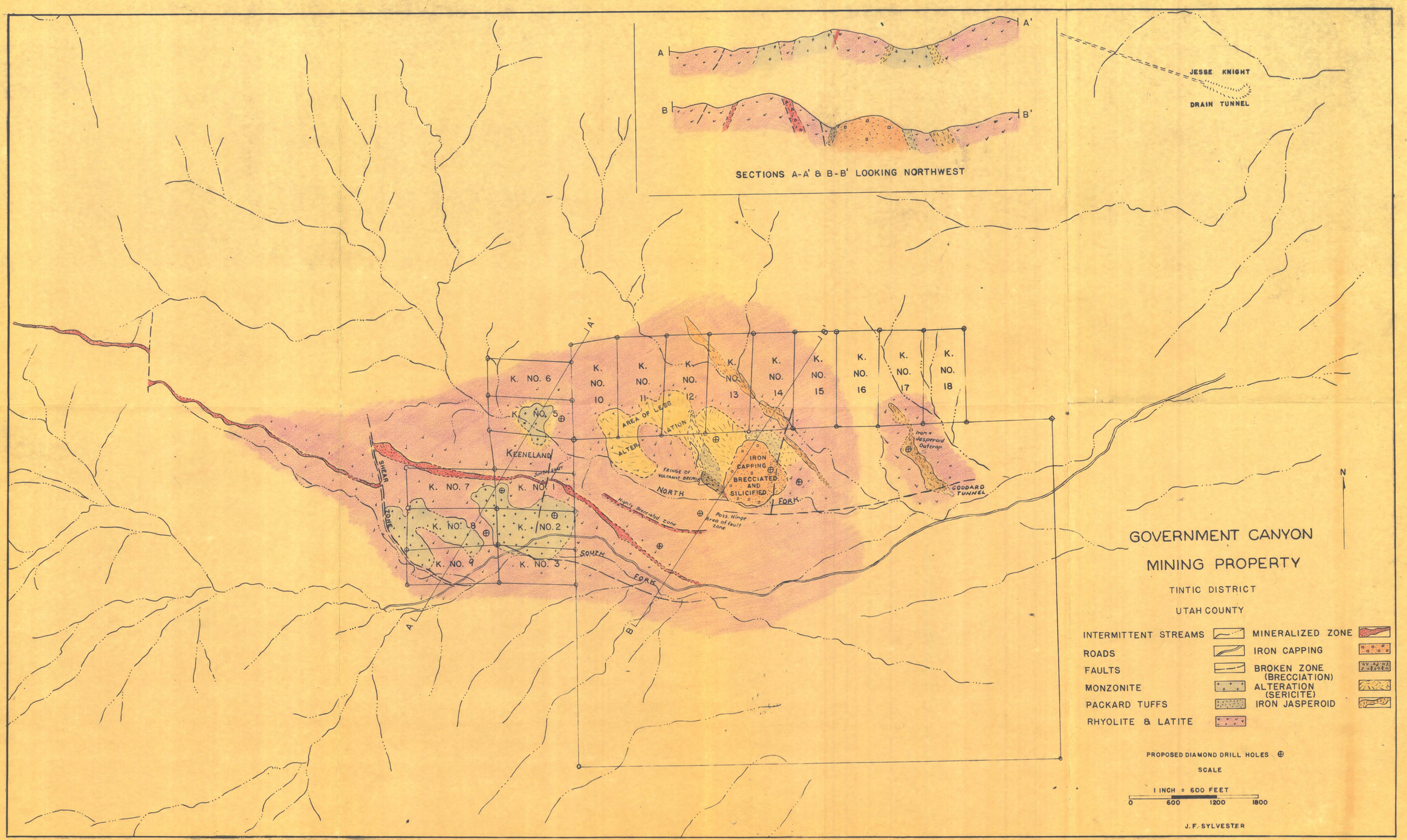
~~First Class~~

~~Mr. C. D. Mittendorf, Admin~~
~~Defense Minerals Exploration A~~
~~Washington 25, D.C.~~

1 copy of 2 maps enclosed
4-2-53

KAROLTON KLASP—12 x 15½
MADE BY
THE AMERICAN ENVELOPE CO.
WEST CARROLLTON, OHIO


SECTIONS A-A' & B-B' LOOKING NORTHWEST
A
A'
B
B'
JESSE KNIGHT
DRAIN TUNNEL
K. NO. 6
K. NO. 5
K. NO. 7
K. NO. 8
K. NO. 9
K. NO. 1
K. NO. 2
K. NO. 3
K. NO. 10
K. NO. 11
K. NO. 12
K. NO. 13
K. NO. 14
K. NO. 15
K. NO. 16
K. NO. 17
K. NO. 18
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BROKEN ZONE (BRECCIATION)
ALTERATION (SERICITE)
IRON JASPEROID
PROPOSED DIAMOND DRILL HOLES
SCALE
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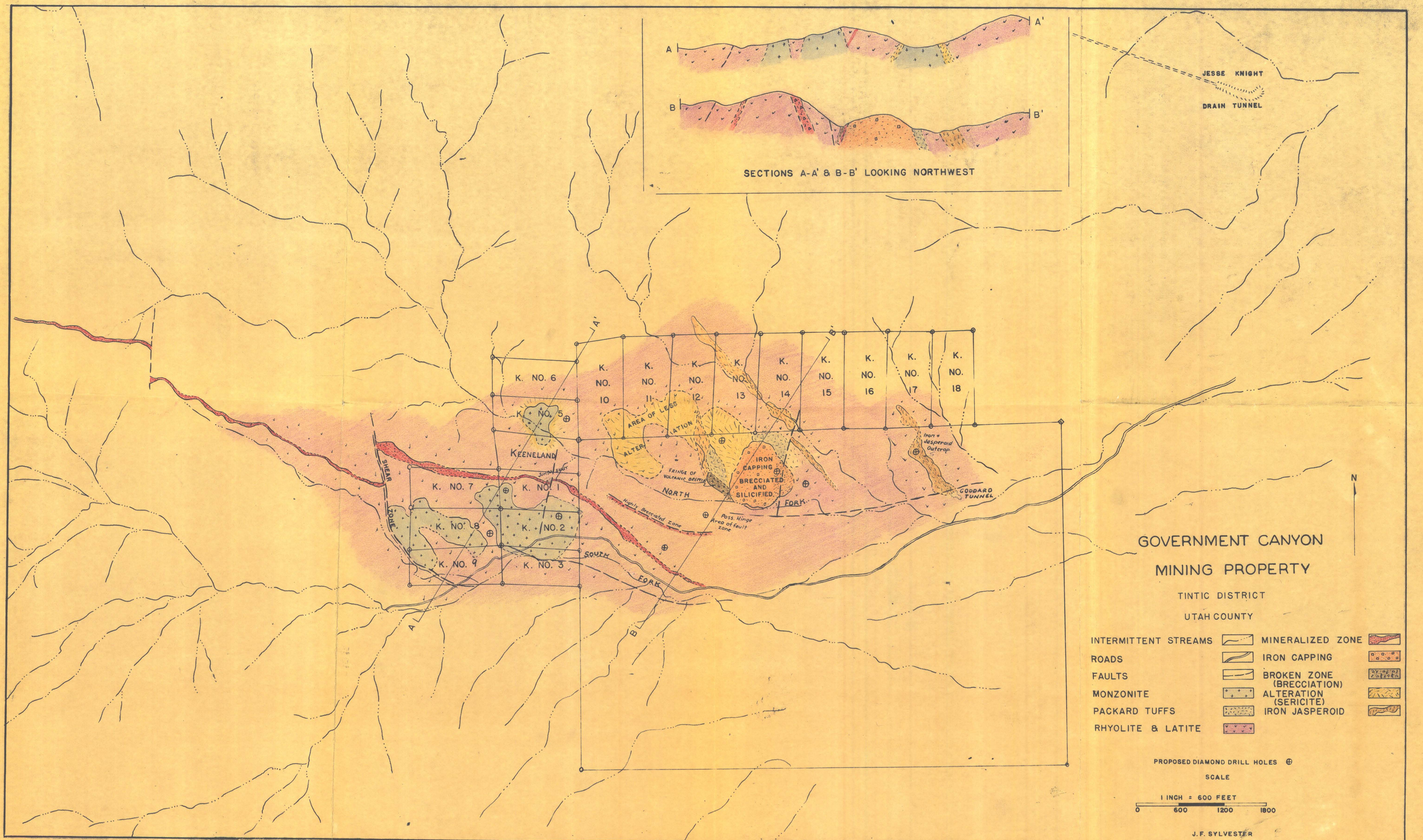
600
1200
1800
J.F. SYLVESTER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