DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 500

DO NOT DETACH THIS SLIP

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

This document has been recorded as

Exploration Assistance

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

Cys to USBM & USGS

Routing Slip

To:	500	Date	5/12/54
To:	Open Com	Date	5-21-54
To:	Open Com	Date	8-23-54
To:	Open Com	Date	9-3-54
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CONTROLLED DOCUMENT

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500

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

OCT 26 1954

Hon. Jack B. Brooks
House of Representatives
Washington, D. C.

Re: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson and
Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

My dear Mr. Brooks:

This will acknowledge receipt of your letter dated October 20, 1954, regarding the "Four Aces Mine". You may be assured that Mr. Nelson's new application for Government exploration assistance will be given our immediate attention.

We are pleased to learn that Mr. H. C. Miller, Executive Officer, Region III, San Francisco, California, was so helpful to Mr. A. C. Nelson in filing the new application.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWAlt/bjl (10/26/54)

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

R.C.B.

JACK B. BROOKS
2D DISTRICT, TEXAS

COUNTIES:
ANGELINA NEWTON
HARDIN ORANGE
JASPER SABINE
JEFFERSON SHELBY
LIBERTY TYLER
SAN AUGUSTINE

Congress of the United States
House of Representatives
Washington, D. C.

COMMITTEE:
GOVERNMENT OPERATIONS

SUBCOMMITTEES:
EXECUTIVE AND LEGISLATIVE REORGANIZATION
INTERGOVERNMENTAL RELATIONS

October 20, 1954
Beaumont District Office
207 Federal Building

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 22 1954

Mr. C. O. Mittendorf, Administrator
Defense Mineral Exploration Administration
United States Department of the Interior
Washington 25, D. C.

Reference: Docket No. DMEA-3349 Lead-Zinc
A.C. Nelson, B. Nelson & Don H. Clair
4 Aces Mine
Esmeraldo Co., Nevada

Dear Mr. Mittendorf:

In regard to the "Four Aces Mine" in Nevada, Mr. Charles T. Smelker, a good friend and constituent of mine, whose father-in-law Mr. A. C. Nelson, is a partner in the mine, has explained the apparent mix-up in the former loan application to me and requests that the new loan application be given careful consideration.

As your files, of course, reflect, the owners of the "Four Aces" applied for a Development Loan instead of an Exploration Loan. This error was explained and straightened out by Mr. H.C. Miller, Executive Officer of Region III, in San Francisco. Mr. Miller is to be commended for his courteous guidance of the owners' efforts to the proper channels. It is hoped that Mr. Miller was also able to straighten out the apparent conflict between what the field engineer is reported to have told the owners and what his actual recommendation to the Operating Committee was.

must resolve this pt.

I will appreciate your extending to Mr. Nelson and his partners every consideration to which they are entitled in their application for an Exploration Loan to further develop their mine.

Sincerely,
Jack Brooks

cc - Hon. Clifton Young
Mr. H. C. Miller
Mr. Charles T. Smelker

File Copy
Surname

500

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

SEP 29 1954

Mr. Don H. Clair
Dyer, Nevada

Re: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson and
Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Clair:

This will acknowledge your letter dated September 23, 1954. It is noted that you advised Mr. Miller that you will submit another application for Government exploration assistance, and that he will send you the necessary forms.

In our letter to you of September 10, 1954, we stated that your letter of August 30 was being referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III. In Mr. Miller's reply to our letter, he verifies that no difference of opinion as to the merits of your proposed project existed among the field men who examined your property on two occasions. Our further review of all available information confirms our previous decisions that the Government is not justified in participating in your proposed project.

As Mr. Miller advised you, the Field Team report on your property cannot be made available to you. All such reports are considered confidential and for Government use only.

I regret that you feel that the examination of your property was not satisfactory. However, I wish to assure you that if you do file another application it will be given careful consideration.

Sincerely yours,

Frank E. Johnson (fw)

ACTING Administrator

JWAlt:er 9/28/54
FEJohnson/fw 9/29/54
cc: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Kiilsgaard, Rm 5227
Mr. Bishop, USBM
Region III (2)

R.C.G.

File Copy
Surname

J.W. Coop.
Kiilsgaard
Hedges
Selfridge

500

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

Mr. Don H. Clair

Dyer, Nevada

Re: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson & Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Clair:

We wish to acknowledge your letter dated September 23, 1954. We note that you advised Mr. Miller that you will submit another application for Government exploration assistance, and that he will send you the necessary forms. Please be assured that your application will be given careful consideration. However, we wish to suggest that you give as complete information as possible.

In my letter to you, dated September 10, 1954, I stated that your letter of August 30 was being referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III. In Mr. Miller's reply to my letter, he verifies that no difference of opinion as to the merits of your proposed project existed among the field men who examined your property on two occasions. Our further review of all available information confirms our previous decisions that the Government is not justified in participating in your exploration project.

In your letter of September 23, 1954, you state that Mr. Miller informed you that the Field Team report of your property cannot be made available to you. All such reports are considered confidential and for Government use only.

With personal regards,

Sincerely yours,

Administrator

JWAlt:er 9/28/54

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Kiilsgaard, Rm 5227
Mr. Bishop, USBM
Region III (2)
Chron.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 27 1954

Dyer Nevada.
Sept .23 1954.

Mr.C.O.Mittendorf
Administrator D.M.E.A.
Washington 25 D.C.

Dear Mr.Mittendorf.

While visiting the mining congress in SanFrancisco this week ,Mr.Nelson and I took the liberty of calling on Mr.Miller hopeing to clear up some of the puzzeling aspects of our case.

He informed us of the difference between Exploration work and Development and this was truly news to us as we had never been informed of this angle of the set up.

It was very gratifying to talk to Mr.Miller and we surely do appreciate his courtesy and the information which he gave us, we do however regret very much that it is the policy of the Administration not to make the reports available to the property owners as thereare apparently things in Mr.Sheehans report which are contrary to fact and he certainly did not give us any breaks as to what might be encountered in development work or exploration, and he did not cover any surface other than the immediate area of the underground workings, and as I have stated before he definitely told us he was going to recommend the project and he surely did not do so.

I hope I have not been too critical in this entire matter but we feel that we have not been given a fair appraisal from the engineer as the potential of the propertyis very good and if it can be set up from an exploration stand point then we would surely like to do so and we will fill out new forms as soon as Mr.Millers office sends us the forms as they were out of forms at the time we called.

I wish to thank you for your letter and patient consideration of the case and I will certainly welcome any suggestions you can offer as we still feel we have a good property and I believe we have a little ability to judge after thirty years of mining experience.

Sincerely yours,

Don H. Clair

Don.H.Clair

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

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 27 1954

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 21, 1954

Memorandum

To: C. O. Mittendorf, Administrator, DMEA, Interior Building
Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Messrs. Don H. Clair, A. C. Nelson, and V. Nelson called at the office concerning the denial of their application for exploration assistance at their 4 Aces mine. You have previously received a letter from Mr. Clair regarding the denial and had written me for further information.

I successfully made the applicants understand the difference between exploration and development and pointed out to them that your denial was no reflection on the merits of their mine. I got out of them that what they really were after was Government assistance to develop a known oreshoot and prepare the property for mining. Obviously, that kind of work could not come under a DMEA loan.

They are of the opinion that the known oreshoot extends laterally from the present workings and that the extension is cut off by one or two faults. I told them that exploring for the extension might be considered exploration and advised them to make a new application for such work. This they said they would do and I promised to send them Forms MF-103 as soon as our supply arrives from Washington. We are all out of the forms.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 17, 1954

Air Mail

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3349 - Lead-Zinc
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Reference is made to your letter dated September 8, 1954, requesting my comments regarding the contents of Mr. Don H. Clair's letter of August 30, 1954, to Mr. C. O. Mittendorf.

Attached are two copies of a memorandum prepared by A. C. Johnson in reply to our request for his comments on Mr. Clair's letter. I trust that the information supplied by Mr. Johnson will assist you in supporting your denial of the applicant's request for an exploration loan.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

xxxxxxxxxxxxxxxx
Mining Division

1605 Evans Avenue

September 16, 1954.

Memorandum

To: Mr. H. C. Miller, Executive Officer, DMEA Field Team Region III

From: Chief, Mining Division, Region III

Subject: Docket No. DMEA-3349 - Lead-Zinc
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine, Esmeralda County, Nevada

In reference to a letter written to Mr. Mittendorf by Don H. Clair, dated August 30, relative to examinations that have been made on his 4 Aces Mine in Esmeralda County, Nevada:

This property, as you know, was first examined by B. H. Sheahan of the U. S. Bureau of Mines, and Earl H. Pampeyan of the U. S. Geological Survey. On the first examination, the engineer and geologist were in agreement that the possible tungsten reserves that might be indicated by an exploration program would be small; also the mineralization at the property was low grade and spotty.

At that time it seemed likely that the exploration work was more or less set up for the purpose of determining if a lead-zinc-silver ore body could be found. The engineer and geologist at the time were in agreement that it was unlikely that a reserve of tungsten would be found and the chance of developing a lead-zinc-silver ore body was rather remote.

The property was re-examined in June by an engineer from my office, pursuant to the second application for exploration. At this time the applicant desired to explore for a supposed lead-zinc-silver ore body. The examination at that time indicated that the applicant had not developed any worth while deposits of scheelite ore.

The engineer reported that exposures of lead-zinc-silver ores were very poor and the operator had mined all of their faces to their economic limit.

Mr. Clair is evidently under the impression that the previous operators had left a small lens of lead-zinc-silver ore. However the examining engineer was of the opinion that the high grade ore had been mined. Mr. Clair in his application for a loan wanted to sink the shaft 100 feet and do approximately 300 feet of drifting to mine the ore body that had supposedly been left by the previous operators. This would disqualify him for an exploration loan as the work would come under the heading of development to mine a known ore body.

Opposing thought

From the data that has been obtained from the examinations that have been made, there is only one logical conclusion, that a DMEA loan for further exploration on this property is not warranted.

A. C. Johnson

CC: Mr. Roscoe M. Smith, USGS

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

9/23/54 Rec'd

420 Custom House
555 Battery Street
San Francisco 11, Calif.

September 17, 1954

Air Mail

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3349 - Lead-Zinc
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Reference is made to your letter dated September 8, 1954, requesting my comments regarding the contents of Mr. Don H. Clair's letter of August 30, 1954, to Mr. C. O. Mittendorf.

Attached are two copies of a memorandum prepared by A. C. Johnson in reply to our request for his comments on Mr. Clair's letter. I trust that the information supplied by Mr. Johnson will assist you in supporting your denial of the applicant's request for an exploration loan.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

xxxxxxxxxxxxxxxx
Mining Division

1605 Evans Avenue

September 16, 1954.

Memorandum

To: Mr. H. C. Miller, Executive Officer, DMEA Field Team Region III

From: Chief, Mining Division, Region III

Subject: Docket No. DMEA-3349 - Lead-Zinc
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine, Esmeralda County, Nevada

In reference to a letter written to Mr. Mittendorf by Don H. Clair, dated August 30, relative to examinations that have been made on his 4 Aces Mine in Esmeralda County, Nevada:

This property, as you know, was first examined by B. H. Sheahan of the U. S. Bureau of Mines, and Earl H. Pampeyan of the U. S. Geological Survey. On the first examination, the engineer and geologist were in agreement that the possible tungsten reserves that might be indicated by an exploration program would be small; also the mineralization at the property was low grade and spotty.

At that time it seemed likely that the exploration work was more or less set up for the purpose of determining if a lead-zinc-silver ore body could be found. The engineer and geologist at the time were in agreement that it was unlikely that a reserve of tungsten would be found and the chance of developing a lead-zinc-silver ore body was rather remote.

The property was re-examined in June by an engineer from my office, pursuant to the second application for exploration. At this time the applicant desired to explore for a supposed lead-zinc-silver ore body. The examination at that time indicated that the applicant had not developed any worth while deposits of scheelite ore.

The engineer reported that exposures of lead-zinc-silver ores were very poor and the operator had mined all of their faces to their economic limit.

Mr. Clair is evidently under the impression that the previous operators had left a small lens of lead-zinc-silver ore. However the examining engineer was of the opinion that the high grade ore had been mined. Mr. Clair in his application for a loan wanted to sink the shaft 100 feet and do approximately 300 feet of drifting to mine the ore body that had supposedly been left by the previous operators. This would disqualify him for an exploration loan as the work would come under the heading of development to mine a known ore body.

From the data that has been obtained from the examinations that have been made, there is only one logical conclusion, that a DMEA loan for further exploration on this property is not warranted.

A. C. Johnson

CC: Mr. Roscoe M. Smith, USGS

File Copy
Surname

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

Mr. Don H. Clair

SEP 10 1954

Dyer, Nevada

Re: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson & Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Clair:

I have your letter dated August 30, and have noted your comments relative to our recent denial of the cited application. I have personally reviewed the material in both Dockets DMEA-3201 and 3349 pursuant thereto.

I regret that you think your property was not given careful consideration because it was, in fact, examined by the Field Team on two occasions, and all available data were then reviewed by members of the DMEA, Geological Survey, and Bureau of Mines before being presented to the Operating Committee for final action. It is not my understanding that any differences of opinion existed with regard to the disposition of your case; however, in light of your remarks I am referring your letter to Mr. H. C. Miller, Executive Officer, Region III, for his comment. I shall write you further upon receipt of his reply.

With personal regards,

Sincerely yours,
C. O. Mittendorf

Administrator

C.OM/bjl (9/10/54)

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

R.C.h.

File Copy
Surname
J. W. Alt
Approved
Selfridge

Mr. Don H. Clair

Dyer, Nevada

Re: Docket No. DMA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson and Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Clair:

I have your letter of August 30, 1954 regarding your application for Government exploration assistance for the cited mine.

I regret that you think your property was not given careful consideration, and am referring your letter to Mr. H. C. Miller, Executive Officer, DMFA Field Team, Region III, for advice.

We will immediately write you upon receipt of Mr. Miller's reply.

Sincerely yours,

Administrator

JWAlt/bjl (9/7/54)

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

Note.. Keep this letter in docket for future reference

Dear Mr Clem

Re: 3349 etc

I have your letter dated Aug 30 ~~[illegible]~~ and have noted your comments relative to our recent denial of the cited application. I have personally reviewed the material in both dockets DMEA 320 & 3349 pursuant thereto.

I regret that you think your property was not given careful consideration because it was, in fact, examined by the Fred Team on two occasions & all available data were then reviewed by members of the DMEA, Geological Survey & Bureau of Mines before being presented to the Operating Committee

for final action. ~~I am not aware of any difference of opinion~~ It is not my understanding that any differences of opinion existed with regard to the disposition of your case; however, in light of your remarks I am referring your letter to Mr H. C. Miller, Exec Officer, Reg III for his comment. I shall write you further upon receipt of his reply.

With respect to your request that the Fred Jenny report be made available to you I regret to advise that all such reports are considered to be confidential & for govt use only & therefore cannot be.

With personal regards,

Sincerely yours,

~~[illegible]~~
Administrator

Sure for next letter

File Copy
Surname

J. W. Alt.
Surnamed
Selfridge
for signature
Mr. Hedges

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

500

SEP 8 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
420 Custom House
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson and
Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Miller:

We are enclosing a copy of a letter received from Don H. Clair, dated August 30, 1954, regarding the cited application which was denied on August 24, 1954.

We would appreciate your comments regarding the contents of Mr. Clair's letter at your earliest convenience.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Enclosure

JWAlt/er 9/3/54

APPROVED:

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

Thor H. Kiilsgaard
Member, Geological Survey (JHB)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Gildersleeve
Mr. Bishop
Chron.

R.C.G.

Defense Materials Administration
RECEIVED
SEP 1 1954

Sybrania Mine
Aug. 30 - 54.

Alt
Betty

Mr. C. O. Mittendorf
D. M. E. A.
Washington D.C.

Docket No. DMEA
3349
Lead Zinc
Nelson & Clair
& Aces Mine

Dear Mr. Mittendorf.

Inasmuch as you have again refused aid on our property I feel at liberty to ask once again, just what it takes to get aid and is your organization set up to take out blocked ore or is it's primary purpose to develop legitimate showings.

You turned us down on the Tungsten and we have definitely proven you were wrong and we have good faces of ore going down on the Lead. so again I repeat what does it take.

Mr. Sheehan said he would recommend the property an

felt quite sure it would be approved.

Now it seems to ~~me~~ me that if we are going to be turned down then we should know the reasons why and that the report on the property should be made available to me so that we can check it for possible errors and not have to just take no for an answer without any more substantial reason than what you have given.

We would appreciate this information as we intend to consult with Sen. McCarran and see why we cannot get aid on a good showing which has produced when others seem to get aid on "nothing"

I do not wish to be too critical but when the field engineer tells you one thing and then the office engineer say different we believe

that we are entitled to know the real reason why.

I believe you must admit that our geology is right and the mine has produced several carloads of ore in the 50 ft level and we know there is a good body in the old cased workings where we intended to put down the shaft.

Please accept this letter as I mean it as I am truly puzzled

Respectfully yours

Don H. Clair.

File Copy
Surname

J.W. Alt.
Griswold
Martin
Jarrabee
Hodges
Johnson

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

500

AUG 20 1954

Mr. Don H. Clair
Nelson, Nelson and Clair
Oasis, California
Via Dyer, Nevada

Re: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson and
Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Clair:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of lead-zinc mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittenderf (for)

Administrator

JWAlt/er 8/20/54

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

File Copy
Surname
J.W. Alt.
Martin

500

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

August 20, 1954

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of application, Docket No. DMEA-3349,
A. C. Nelson, V. Nelson and Don H. Clair,
4 Aces Mine, EsmeraldaCounty, Nevada (Lead-Zinc)

The cited application was submitted to this Division on May 12, 1954. The Applicant estimated that the work of the project would cost $18,000.00.

The Applicants had, on September 7, 1953, submitted an application for Government assistance to explore this property for tungsten. The Docket number of this application is DMEA-3201. On February 9, 1954, the Field Team, after examining this property, reported and recommended a denial, stating that there is not sufficient tungsten mineralization on the property to warrant Government assistance for exploration. The amount of this application was for $15,000.00 and, on March 8, 1954 it was denied.

On June 26 and 27, 1954, the Field Team re-examined this property and reported that the exposures of lead-zinc-silver ore were very poor and the Applicants had mined faces to the economic limit. According to the examining engineer the possibility of discovering ore bodies of sufficient size and grade to permit an economic operation is slight.

We concur with the recommendations of the Field Team and the Commodity members of the USGS and the USBM that this application be denied.

W. R. Griswold

W. R. Griswold

JWAlt:er 8/20/54

Copy to: Docket
Base Metals
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

August 20, 1954

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of application, Docket No. DMEA-3349,
A. C. Nelson, V. Nelson and Don H. Clair,
4 Aces Mine, EsmeraldaCounty, Nevada (Lead-Zinc)

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On June 26 and 27, 1954, the Field Team re-examined this property and reported that the exposures of lead-zinc-silver ore were very poor and the Applicants had mined faces to the economic limit. According to the examining engineer the possibility of discovering ore bodies of sufficient size and grade to permit an economic operation is slight.

We concur with the recommendations of the Field Team and the Commodity members of the USGS and the USBM that this application be denied.

W. R. Griswold

IN REPLY REFER TO:

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

August 18, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3349 (lead-zinc)

To: W. R. Griswold, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Nelson, Nelson, and Clair
Name of property: 4 Aces Mine
Location of property: Esmeralda County, Nevada
Date of Field Team Report: July 27, 1954
Authorship of Field Team Report: B. M. Sheahan, USBM
Field Team's recommendation: Deny application.
Comments: Visible showings of lead and zinc are poor, and nothing is given in the report to indicate anything better would be found at greater depth. A geologic report on the lead-zinc occurrence would be interesting, but probably only of academic interest.
ACTION RECOMMENDED: Follow Field Team's recommendation.

Bob Trace
R. D. Trace

IN REPLY REFER TO:

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

August 18, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3349 (lead-zinc)

To: W. R. Griswold, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Nelson, Nelson, and Clair
Name of property: 4 Aces Mine
Location of property: Esmeralda County, Nevada
Date of Field Team Report: July 27, 1954
Authorship of Field Team Report: B. M. Sheahan, USBM
Field Team's recommendation: Deny application.
Comments: Visible showings of lead and zinc are poor, and nothing is given in the report to indicate anything better would be found at greater depth. A geologic report on the lead-zinc occurrence would be interesting, but probably only of academic interest.
ACTION RECOMMENDED: Follow Field Team's recommendation.

R. D. Trace

RDTrace:hlm
G-8/18/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617

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

August 16, 1954

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, USBM

Subject: Docket No. DMEA-3349 - 4 Aces Mine, Esmeralda County, Nevada - Lead-zinc-tungsten prospect owned by A. C. Nelson, V. Nelson and Don H. Clair

I concur with field team and examining engineers in recommending denial of the application for assistance on the $18,000 exploration project outlined in the application on the grounds that exposures of mineralization are very poor, and there is no evidence to suggest the likelihood of discovering commercial ore.

O. M. Bishop

O. M. Bishop

Copy to: Minerals Division
Edward L. Newcomb
O. M. Bishop
Files

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

420 Custom House
555 Battery Street
San Francisco 11, California

August 6, 1954

Air Mail

Dockets

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson, and Don H. Clair
4 Acres Mine
Esmeraldo County, Nevada

Reference is made to your wire of August 6, 1954 concerning the status of the subject application.

Our report on the subject application was mailed to you on August 3, so you should have it about the time this letter reaches you.

Our recommendations are that the application be denied.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

August 3, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Reference is to your letter dated May 24, 1954, requesting a re-examination of the subject property from the viewpoint of its possibility for productive exploration for lead and zinc. The property was examined on June 26-27, 1954, and four copies of a supplemental report entitled "DMEA-3349, 4 Aces Mine, Esmeralda County, Nevada, (Lead-Zinc), Formerly DMEA-3201, Tungsten," by B. H. Sheahan, Mining Engineer, U. S. Bureau of Mines, dated July 27, 1954, are attached.

According to the examining engineer, exposures of lead-zinc-silver ore are very poor and the possibility of discovering ore bodies of sufficient size and grade to permit an economic operation is slight. He recommends denial of the application.

Mr. Roscoe Smith and I concur with the recommendation of the examining engineer.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

Reviewed by
DMEA OPERATING COMMITTEE
8-13-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

SUPPLEMENTARY REPORT

DMEA-3349, 4 Aces Mine

Esmeralda County, Nevada

(Lead-zinc)

Formerly DMEA-3201, Tungsten

B. H. Sheahan, Mining Engineer
U. S. Bureau of Mines

July 27, 1954

Reviewed by
DMEA OPERATING COMMITTEE
8-13-54
(date)

SUPPLEMENTARY REPORT

Docket No.: DMEA-3349 (Lead-Zinc)

Name and address of applicants: Don H. Clair, Dyer, Nev.
A. C. Nelson and Mrs. V. Nelson
277-3/4 South Lake Street
Los Angeles, Calif.

Name and location of property: 4 Aces Mine - sec. 31, T. 6 S., R. 39 E., M.D.B.&M., Sylvania Mining District, Esmeralda County, Nevada

SUMMARY

The 4 Aces Mine was re-examined on June 26 and 27, 1954 by an engineer of the Bureau of Mines pursuant to a second application for exploration assistance. The property was previously examined by an engineer of the Bureau of Mines and a geologist of the Geological Survey from December 16 to 18, 1953 relative to an application for exploration assistance[1/].

The 4 Aces mine is primarily a lead-zinc-silver property located in the Sylvania Mining District, Esmeralda County, Nev. The discovery of lead-silver ore in the district dates back to 1872. Operations of the property have generally been conducted during periods of favorable lead or silver prices. The claims were re-located in 1943, and a recent attempt to operate the property was started in 1951. Al-

1/ Docket DMEA-3201, (Tungsten), 4 Aces Claims, Esmeralda County, Nevada by B. H. Sheahan, USBM and E. H. Pampeyan, USGS 2/9/54

though the property was opened in the 1920's by a 200-foot vertical winze from the 55-foot level, the operator had no map of these older workings which are now caved. Since 1951, a new incline shaft was sunk from the surface and exploration work was done on the 110-level. Total production of lead-silver concentrates since 1951 amounted to about 60 tons averaging about 37.2% Pb and 33.0 ounces Ag per ton. This was not a profitable operation and therefor an attempt was made to explore tungsten occurrences at the property.

Exploration work completed since the previous examination report (DMEA-3201, (Tungsten) included deepening of the East trench an additional seven feet and drifting 65 feet from the East crosscut to explore for tungsten (see fig. 2a). Scheelite concentrates recovered from 44 tons of this low grade ore amounted to 10.9 units of tungsten tri-oxide.

The examining engineer was accompanied by Mr. Don H. Clair on June 26 and 27, 1954. Underground workings were re-examined. New exploratory work completed since the previous examination was mapped and sampled. The tungsten ore contains considerable powellite and some molybdenite associated with scheelite. Recovery of the scheelite by table concentration of this low grade ore was poor.

Exposures of lead-zinc-silver ore were very poor. The operator had mined faces to the economic limit.

The second application for exploration assistance (docket DMEA-3349, Lead-zinc) requested aid to deepen the existing shaft 100 feet from 110 level? and to drift and crosscut 300 feet to reopen old caved workings. The work which the applicants proposed was discussed with the engineer. There are no maps of these old workings available according to Mr. Don H. Clair. On the composite map of underground workings (fig. 2a), the location of an old caved shaft is indicated on the 55-level. Drifts and crosscuts at depths 90 and 200 feet below this 55-foot level were claimed by Mr. A. C. Nelson and Mr. Don H. Clair to have exposed some lead-zinc ore. Whether or not the ore has been mined is unknown. The caved condition of the shaft where exposed on the 110 level indicates that some of the ore has probably been mined.

old workings 200+55 = 255

In a copy of a letter written in 1942 by an engineer who visited the property about 13 years previously or in 1929, the old deeper workings are described as follows: "In the shaft about 90 feet from the collar there was about 5 feet of galena averaging about 45-50% lead with about one ounce silver to every one percent lead. On lower levels at two places there are several promising showings of galena three to four feet wide."

These deeper workings were apparently opened up some time previous to 1929 when favorable economic conditions existed. The examining engineer is of the opinion that most of the high grade ore was mined.

Mr. Don H. Clair describes some lead-zinc ore in a letter included with his application as follows:

ere is in the old works (now caved) a drift 180 feet long all n 5 to 15 feet wide averaging 12% to 14% Pb. 12% Zn and 10 Ag." The examining engineer is of the opinion that this ore oes not exist.

Mr. Don H. Clair was in favor of revising his application to clude sinking the new incline shaft from the present bottom which is three feet below the 110-foot level an additional 50 feet and drive 100 feet of new crosscuts and drifts on a new 160-foot level to explore for lead-zinc mineralization. The estimated cost of this development work was $8,500.00.

CONCLUSIONS AND RECOMMENDATIONS

1. Some lead-zinc ore might be found by reopening the first old caved level, however, repayment of even a revised exploration loan is doubtful.

2. Scheelite occurrences are too low grade and too small to constitute ore.

The engineer recommends that the applicants request for an exploration loan be denied.

PRODUCTION

(A) Lead-zinc-silver ore (concentrates):

Total lead-zinc-silver production since 1951 to December 1953 amounted to about 60 tons of concentrates averaging about 37.2% lead and 33 ounces silver per ton.

A settlement sheet from a shipment of table concentrates made to the Selby smelter of American Smelting and Refining Company in July 1953 showed the following data:

Lead	43.05%
Silver	34.75 oz per ton
Copper	Trace
Insol.	4.4%
Iron	10.1%
Zinc	5.9%
Sulphur	9.6%
Lime	4.6%
Arsenic	0.1%
Antimony	0.2%
Dry weight	14,608 pounds

(B) Tungsten production (Scheelite Concentrates):

The following concentrates of scheelite mined from the East open cut and the East crosscut were recovered from December 1953 to June 1954 by Mr. Don H. Clair:

Lot	Tungsten ore mined & milled	Weight of concentrates	Grade of concentrates,	Units WO_3	Sold to:
1	17 tons - mined from East open cut	151 lbs.	67.08% WO_3	5.0645	C. W. Jones, Bishop, Calif. 3/23/54
2	15 tons - mined from East cross-cut	114 lbs	53.66% WO_3 3.78% S 0.06% Pb 0.11% Zn	3.0586	Do
3	12 tons - mined from East cross-cut	-	61.12% WO_3	2.81152	Black Rock Mining Corp., Bishop, Calif.

Total tons of ore milled: 44.0 tons
Total units of WO_3 recovered: 10.9346 units
Units of WO_3 recovered per ton: 0.2485 units/ton

SAMPLING

(A) Lead-zinc-silver mineralization:

Sample S-252 was taken from 8 tons of lead-zinc-silver concentrates. These concentrates represented a typical shipment recovered by three workmen after one month's mine and mill operation: 37.2% Pb, 5.5% Zn, 33.15 oz. Ag, and 0.01 oz Au per ton.

No other samples of lead-zinc-silver ore were taken because there was practically no ore to sample.

(B) Tungsten mineralization:

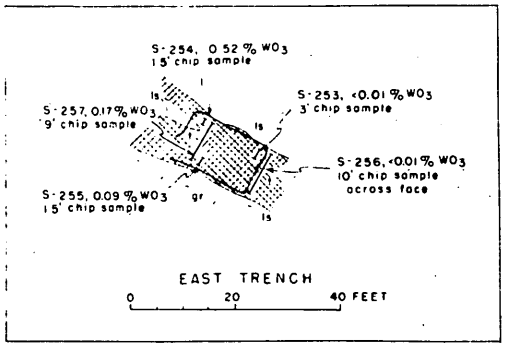
Samples S-253 to S-257 were taken from the best showings of low grade scheelite bearing tactite. The sample locations, widths, and analysis are shown on fig. 2.

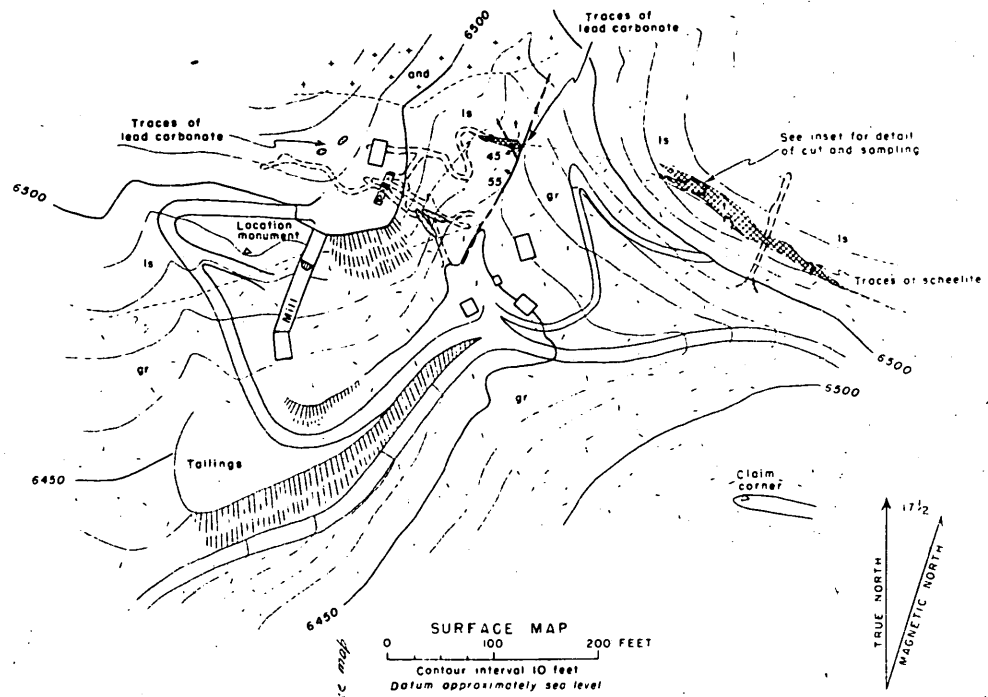
Samples S-271 to S-275 were taken on June 27, 1954 after the East trench was sunk an additional 7 feet, and a drift westerly was extended 65 feet from the East crosscut. The location of these samples are indicated on fig. 2a.

Sample No.	Width	%, WO_3	%, Mo	Remarks
S-271	2'6"	0.48	0.05	Select pod
S-272	6'0"	0.10	*0.01	"
S-273	-	0.07	*0.01	Muck pile
S-274	6'0"	0.08	*0.01	Channel
S-275	-	0.46	1.25	Select pod

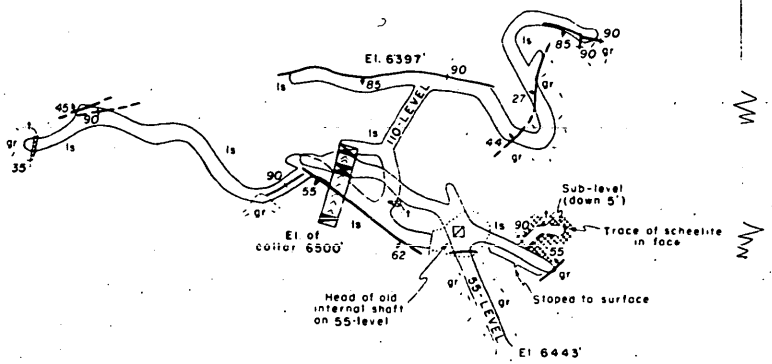
*=Less than

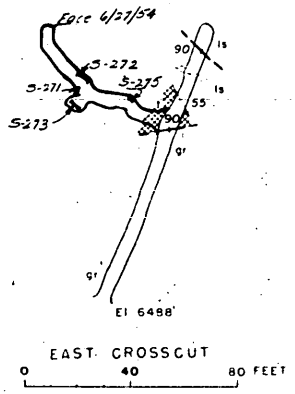
NITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





Note
See surface map





Fault, showing dip
Dashed where approximately located

Vertical fault

Collar of inclined shaft
Chevrons point down

Portal of adit

Small prospect pit or open cut

Dump

Shaft at surface

Shaft going above and below levels

Bottom of shaft

Head of raise or winze

Caved workings

Underground workings

Geology by E. H. Pampeyan, U.S.G.S. and B. H. Sheahan, U.S.B.M.
December, 1953

SURFACE AND UNDERGROUND MAPS, 4 ACES CLAIM, ESMERALDA COUNTY, NEVADA

FIGURE 2

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

August 3, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA
Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3349 (Lead-Zinc)
A. C. Nelson, V. Nelson, and Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Reference is to your letter dated May 24, 1954, requesting a re-examination of the subject property from the viewpoint of its possibility for productive exploration for lead and zinc. The property was examined on June 26-27, 1954, and four copies of a supplemental report entitled "DMEA-3349, 4 Aces Mine, Esmeralda County, Nevada, (Lead-Zinc), Formerly DMEA-3201, Tungsten," by B. H. Sheahan, Mining Engineer, U. S. Bureau of Mines, dated July 27, 1954, are attached.

According to the examining engineer, exposures of lead-zinc-silver ore are very poor and the possibility of discovering ore bodies of sufficient size and grade to permit an economic operation is slight. He recommends denial of the application.

Mr. Roscoe Smith and I concur with the recommendation of the examining engineer.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

SUPPLEMENTARY REPORT

DMEA-3349, 4 Aces Mine

Esmeralda County, Nevada

(Lead-zinc)

Formerly DMEA-3201, Tungsten

B. H. Sheahan, Mining Engineer
U. S. Bureau of Mines

July 27, 1954

SUPPLEMENTARY REPORT

Docket No.: DMEA-3349 (Lead-Zinc)

Name and address of applicants: Don H. Clair, Dyer, Nev.
A. C. Nelson and Mrs. V. Nelson
277-3/4 South Lake Street
Los Angeles, Calif.

Name and location of property: 4 Aces Mine - sec. 31, T. 6 S., R. 39 E., M.D.B.&M., Sylvania Mining District, Esmeralda County, Nevada

SUMMARY

The 4 Aces Mine was re-examined on June 26 and 27, 1954 by an engineer of the Bureau of Mines pursuant to a second application for exploration assistance. The property was previously examined by an engineer of the Bureau of Mines and a geologist of the Geological Survey from December 16 to 18, 1953 relative to an application for exploration assistance[1/].

The 4 Aces mine is primarily a lead-zinc-silver property located in the Sylvania Mining District, Esmeralda County, Nev. The discovery of lead-silver ore in the district dates back to 1872. Operations of the property have generally been conducted during periods of favorable lead or silver prices. The claims were re-located in 1943, and a recent attempt to operate the property was started in 1951. Al-

1/ Docket DMEA-3201, (Tungsten), 4 Aces Claims, Esmeralda County, Nevada by B. H. Sheahan, USBM and E. H. Pampeyan, USGS 2/9/54

though the property was opened in the 1920's by a 200-foot vertical winze from the 55-foot level, the operator had no map of these older workings which are now caved. Since 1951, a new incline shaft was sunk from the surface and exploration work was done on the 110-level. Total production of lead-silver concentrates since 1951 amounted to about 60 tons averaging about 37.2% Pb and 33.0 ounces Ag per ton. This was not a profitable operation and therefor an attempt was made to explore tungsten occurrences at the property.

Exploration work completed since the previous examination report (DMEA-3201, (Tungsten) included deepening of the East trench an additional seven feet and drifting 65 feet from the East crosscut to explore for tungsten (see fig. 2a). Scheelite concentrates recovered from 44 tons of this low grade ore amounted to 10.9 units of tungsten tri-oxide.

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Exposures of lead-zinc-silver ore were very poor. The operator had mined faces to the economic limit.

The second application for exploration assistance (docket DMEA-3349, Lead-zinc) requested aid to deepen the existing shaft 100 feet and to drift and crosscut 300 feet to reopen old caved workings. The work which the applicants proposed was discussed with the engineer. There are no maps of these old workings available according to Mr. Don H. Clair. On the composite map of underground workings (fig. 2a), the location of an old caved shaft is indicated on the 55-level. Drifts and crosscuts at depths 90 and 200 feet below this 55-foot level were claimed by Mr. A. C. Nelson and Mr. Don H. Clair to have exposed some lead-zinc ore. Whether or not the ore has been mined is unknown. The caved condition of the shaft where exposed on the 110 level indicates that some of the ore has probably been mined.

In a copy of a letter written in 1942 by an engineer who visited the property about 13 years previously or in 1929, the old deeper workings are described as follows: "In the shaft about 90 feet from the collar there was about 5 feet of galena averaging about 45-50% lead with about one ounce silver to every one percent lead. On lower levels at two places there are several promising showings of galena three to four feet wide."

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"There is in the old works (now caved) a drift 180 feet long all in ore from 5 to 15 feet wide averaging 12% to 14% Pb, 12% Zn and 10 to 12 oz. Ag." The examining engineer is of the opinion that this ore body does not exist.

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CONCLUSIONS AND RECOMMENDATIONS

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Total tons of ore milled: 44.0 tons
Total units of WO_3 recovered: 10.9346 units
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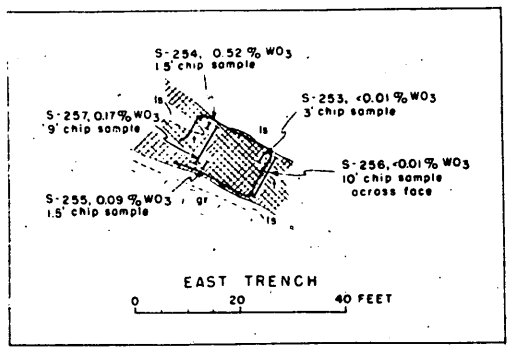
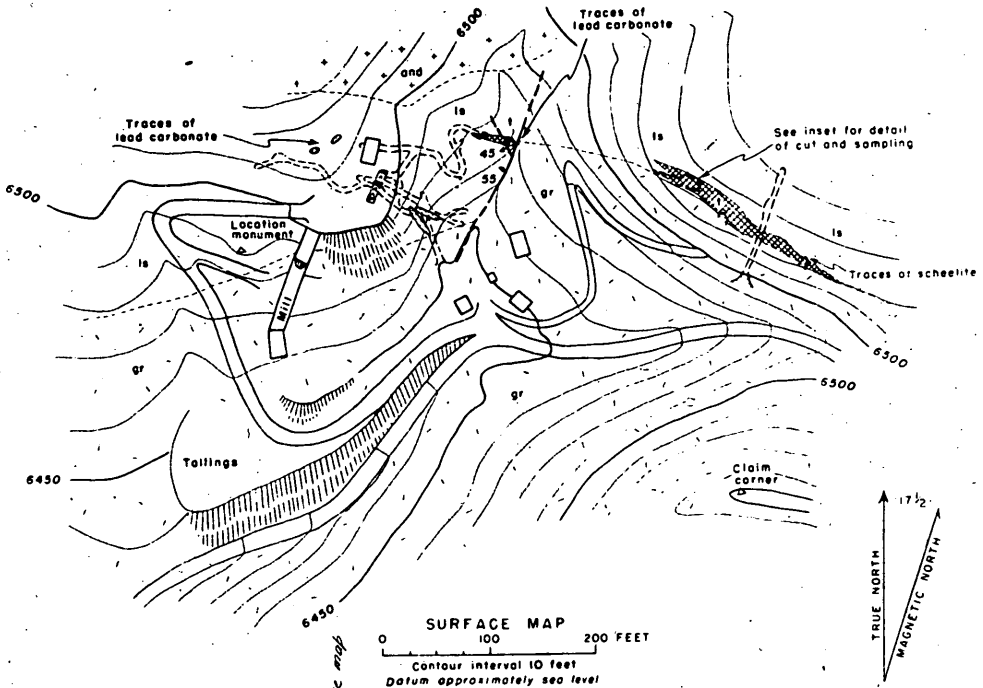
S-273	-	0.07	*0.01	Muck pile
S-274	6'0"	0.08	*0.01	Channel
S-275	-	0.46	1.25	Select pod

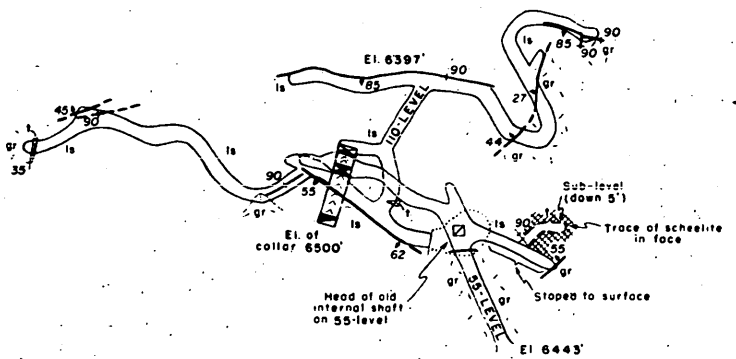
*=Less than

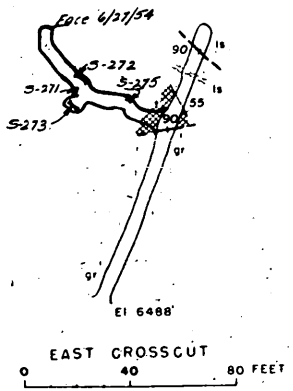
NITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





Note
See surface map





EXPLANATION

Andesite

Tactite

Porphyritic granite

Limestone, recrystallized near igneous contact

Contact, showing dip
Dashed where approximately located

Fault, showing dip
Dashed where approximately located

Vertical fault

Collar of inclined shaft
Chevrons point down

Portal of adit

Small prospect pit or open cut

Dump

Shaft at surface

Shaft going above and below levels

Bottom of shaft

Head of raise or winze

Caved workings

Underground workings

Geology by E H Pampeyan, U S G S and B H Sheahan, U S B M
December, 1953

Note

SURFACE AND UNDERGROUND MAPS, 4 ACES CLAIM, ESMERALDA COUNTY, NEVADA

File Copy
Surname
J. W. Alt
Hedges
Newcomb
Selfridge
Mottendorf

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

AUG - 6 1954

JWAlt/bjl, Rm. 4058, Ext. 3669

Base Metals, DMEA, Interior

[redacted]

14X4401(01) Revolving Fund, Defense Production Act, Interior (allocate Working Fund to Office of Secy.)

Date:

To: F. C. Miller, Executive Officer, DMEA Field Team, Region III, San Francisco, California

Please advise regarding status of application DMEA-3349, A. C. Nelson, V. Nelson, and Don H. Clair.

George C. Selfridge
Chairman, Operating Committee (JB)

(written 8/6/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Gildersleeve
Mr. Bishop
Chron.

R.C.S.

File Copy
Surname
J. W. ALT.
Selfridge
K. Johnson

500

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

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco, California

Re: Docket No. DMEA-2349 (Lead-Zinc)
A. C. Nelson, V. Nelson, and
Don H. Clair
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Miller:

The Applicants of the cited docket had previously applied for exploration assistance for tungsten under Docket No. DMEA-3201. This application was denied on March 8, 1954.

The Applicants are now applying for exploration assistance to explore this same property for lead-zinc ores. Perhaps you have the information regarding this property and can make your recommendations without making another field examination. If you do not have this information, will you please have an examination made at your earliest convenience and submit your report and recommendations to us.

Attached for your information is a memorandum dated May 14, from the commodity specialists of the USGS and BMM.

Sincerely yours,
George C. Selfridge
Chairman, Operating Committee

Enclosure

J WAlt/bjl (5/21/54)

APPROVED:

J. H. Hedges
Member, Bureau of Mines

Philip W. Guild
Member, Geological Survey

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Bishop
Mr. Kinkel
Chron.

File Copy
Surname
J. W. Alt.
Sirawel
Hedges
Kinkel
Selfridge
K. Johnson

500

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

MAY 24 1954

Mr. D. H. Clair, et al.

Dyer, Nevada

Re: Docket No. DMEA-3349 (Lead-Zinc)
4 Aces Mine
Esmeralda County, Nevada

Dear Mr. Clair:

Your application for Government assistance to explore the property of the 4 Aces mine, Docket No. DMEA-3349, has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration, and has been referred for further information to:

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco, California

The Regional Office will contact you at an early date if a field examination is to be made. Any assistance that you may give the members of the Field Team during an examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

5-24

JWAlt/bjl (5/21/54)

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

IN REPLY REFER TO:

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

Alb
Betty

May 14, 1954

Memorandum

Re: DMEA-3349
4 Aces Claims
Esmeralda County, Nevada
$18,000
Lead-zinc

To: Mr. W. R. Griswold

From: E. L. Newcomb

Subject: Review of application

The applicant requests assistance to deepen existing shaft 100 feet and drift 300 feet to reopen old workings. He states this work is necessary to obtain remaining ore in the mine. The description of this project indicates that the work is primarily development rather than exploration.

An earlier application, DMEA-3201, was submitted for this same property as a tungsten project. A field team report was prepared and on the basis of their recommendations the application was denied.

The field team report refers to the 4 Aces mine as primarily a lead-zinc property. Lead-zinc-silver production from 1951 to time of examination was estimated to be about 60 tons of concentrates averaging 37.2% lead and 33 oz. of silver per ton. Unfortunately no further statements were made regarding the lead-zinc mineralization.

This application could reasonably be denied on basis that the proposed work is primarily development. However, it seems best to have a statement from the field team about the feasibility of lead-zinc exploration on the property.

As the field team report gives the impression that lead-zinc mineralization may be significant, I recommend the application be referred to the field team for their recommendation. A new examination should not be necessary if original examiners are available to review the new proposal.

E. L. Newcomb
E. L. Newcomb
Geologist

I concur with Newcomb's recommendation.
O M Bishop, U.S.B.M.

Mr. Don H. Clair, et al.
Dyer
Nevada

May 12, 1954
Subject: DMEA-3349
Re: Exploration Assistance
4 Aces

Gentlemen:

The receipt of your application dated May 10, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3349 and referred to the Base Metals Division.

Kindly refer to DMEA-3349 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division

Copies of the Applicant's letter of May 10, 1954 have been sent to USGS/USBM and also to the Field Team by Howard Russell.

Dyer Nevada
May. 10. 1954.

Mr. C.O. Mittendorf.
D.M.E.A.
Washington D.C.

DEPARTMENT OF THE
Defense Minerals Administration
RECEIVED
MAY 12 1954

Dear Mr. Mittendorf.

As per your instructions I am refering to my previous application Docket No. DMEA 3281 - Tungsten - 4 Acres Group Esmeralda County Nev.

Inasmuch as you have all the data on the property I trust it will be sufficient if I state that we request you to inspect recent favorable development on the Tungsten and to investigate the possibilities of the Molybdenum - Lead & Zinc.

We propose to deepen the shaft about 100 ft & would like to do some 300 ft of drifting on the lead to gain access to old work now cased & known to contain good ore bodies. This work would develop both the Lead & Tungsten & all

The only difference in our new application will be the 100 ft of shaft sinking to the Lead and a more extensive plan of drifting. Total estimated cost in all to be about $18,000.00.

Purpose of drifting to cross 2 faults which will require some 300 ft of drift.

There is in the old works - (now caved) a drift 180 ft long all in ore from 5-15 ft wide and averaging 12-14% Pb. 12% Zn + 10-12 oz Ag. and I do not believe this was discussed in our statements to the examining engineers in the Tungsten application.

As this makes excellent mill ore we should be able to mill for some time on this one shoot regardless of 2 or 3 other possibilities shown by your engineers in the present works.

Respectfully yours
Don J. Clair.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 12 1954

Revised on Docket DMEA 3201 Tungsten

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. 3349
Metal or Mineral Lead-Zinc
Date Received
Estimated Cost $18,000
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:

A. C. NELSON 2774 So. Lake St. Los Angeles Calif
V. NELSON " " " " " "
Don. H. Clair Dyer Nevada

(*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.

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. 4 Acres Group - Esmeralda County Nevada. Recorded in Book IF Page 154-157 Goldfield Nevada

(*b*) State any mine name by which the property is known. 4 Acres

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owners

(*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.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*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.

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore 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.

(*c*) The work will start within 10 days and be completed within 6 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.

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:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*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)?

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

☑ 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 May 10, 1957

A. C. Nelson & Nelson & Don Nolan
(Applicant)

By Don Nolan

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

Attached is a copy of covering letter which should be attached to application DMEA-3349.

DMEA-3349

C O P Y

C O P Y

Dyer, Nevada
May 10, 1954

Mr. C. O. Mittendorf
D. M. E. A.
Washington, D. C.

Dear Mr. Mittendorf:

As per your instructions I am referring to my previous application Docket No. DMEA 3201 - Tungsten - 4 Aces Group Esmeralda County, Nev.

Inasmuch as you have all the data on the property I trust it willbe sufficient if I state that we request you to inspect recent favorable development on the Tungsten and to investigate the possibilites of the Molybdenum - Lead and Zince.

We propose to deepen the shaft about 100 ft and would like to do some 300 ft of drifting on the lead to gain access to old works now caved and known to contain good ore bodies. This work would develop both the Lead and Tungsten and all.

The only difference is our new applic tion will be the 100 ft of shaft sinking to the Lead and a more extensive plan of drifting.

Total estimated cost in all to be about $18,000.00.

Purpose of drifting to cross 2 faults which will require some 300 ft of drift.

There is in the old works - (now caved) a drift 180 ft long all in ore from 5 - 15 ft wide and averaging 12 - 14% Pt., 12% Zn and 10 -12 oz. Ag. and I do not believe this was discussed in our statements to the examining engineers in the Tungsten application.

As this makes excellent mill ore we should be able to mill for some time on this one shoot regardless of 2 or 3 other possibilities shown by your engineers in the present works.

Respectfully yours,

/s/ Don H. Clair

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 12 1954

Revised on Docket DMEA 3201 - Tungsten

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. 3349
Metal or Mineral Lead-Zinc
Date Received
Estimated Cost $18,000
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: C. C. Nelson 2773 1/4 S. Lake St. Los Angeles Calif
V. Nelson " " " "
Don H. Klein Dyer Nevada

(*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.

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 4 Acres Group. Esmeralda County Nevada Recorded in Book I of Page 154-157 Goldfield Nevada.

(*b*) State any mine name by which the property is known. 4 Acres

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

(*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.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*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.

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore 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.

(*c*) The work will start within 10 days and be completed within 6 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.

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:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*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)?

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

☑ 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 May 10, 1957

A. C. Nelson & Nelson & Don H. Clair
(Applicant)

By Don H. Clair

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

C
O
P
Y

400

April 28, 1954

DOCKET
SURNAME

Mr. Don H. Clair
Nelson, Nelson and Clair
Oasis, California
Via Dyer, Nevada

Re: Docket No. DMEA 3201 - Tungsten
4 Aces mine
Esmeralda County, Nevada

Dear Mr. Clair:

This will acknowledge your letter of April 19, 1954, requesting a review of the above-docketed application for exploration assistance and reconsideration as an exploration project for lead.

The subject application for exploration assistance was denied March 8, 1954, after our investigation showed that we could not expect to find tungsten, the commodity for which exploration assistance was requested, in significant quantities that would warrant Government participation in an exploration project. This conclusion was als reached for the molybdenum minerals - powellite and molybdenite. Your application was not considered for lead as this last commodity was not on the list of strategic minerals during the time that the referenced application was being processed.

However as of March 23, 1953, lead was returned to the list of commodities eligible for exploration assistance. We are, therefore, enclosing application forms, MF-103, for your use in making an application for exploration assistance for lead. In submitting a revised application, please refer to the referenced docket and furnish us with the following data:

1. 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, and ore-bearing beds.

2. A detailed estimate of the costs of the proposed work.

Sincerely yours,

/s C. O. Mittendorf

Administrator

FARutledge:foc
4/27/54
cc to: Docket
Code 400
Admr. Reading File
FT. Reg.3
R. W. Geehan, USBM
T. P. Thayer, USGS

O P Y

4 Aces Group
Docket No. [redacted] 3201 - Tungsten

C O P Y

Sphania Mine
Dyer, Nev.
April 19, 1954

Mr. G.O. Mittendorf
Dept Interior
Washington, D.C.

Dear Mr. Mittendorf:

After several weeks of consideration I am wondering just what it takes to get any help from your bureau.

I have ore which showed on the surface 40 ft wide in places and I have since the examination driven a tunnel 40 ft lower and the values are better and more uniform and also it contains sufficient Molybdenum Sulphide to pay to save, also I am recovering in a rather crude table setup values up to $20 per ton and not less that $15.00 per ton and the ore I am mining now is better than 15 ft wide and I do not believe I am saving ½ of the values.

If however we could develop sufficient ore reserves we would plan to improve our recovery.

I do not know what other information you have but I do know that one young man from the Bureau of Mines came in here several years past and stood in the bottom of the canyon and wrote his report from there never going on the sun itself.

I do not mean to be arbitrary but I do not believe that the opinion of one or two engineers should be the final word that nails us on the cross when all around the world we see aid being given to merely prospect and we are milling on fairly good ore and cannot get any help, especially as I have not been informed how or why they arrived at their opinion.

Without further comment from me I respectfully request that the subsequent work I have done be considered and if Lead is again on the list the same work could be done on the Lead veins.

Respectfully yours,

/s Don H. Clair