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DEFENSE MINERALS EXPLORATION ADMINISTRATION
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DMEA Docket No. 4495

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Clayton Mine

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DMEA 4495

RECEIVED
DEC 17 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

November 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Howard B. Nickelson, Geologist, U. S. Geological Survey and D. D. Walker, Mining Engineer, U. S. Bureau of Mines

Subject: Field Examination Report, Docket No. DMEA-4495 (Lead), Fred Leuzinger, Clayton View Claims, Bayhorse Mining District, Custer County, Idaho

INTRODUCTION

On September 25, 1956, Fred Leuzinger, Clayton, Idaho, submitted an application to the Defense Minerals Exploration Administration to explore for lead on five claims located directly across the Salmon River from Clayton, Idaho. The proposed exploration consists of 450 feet of crosscutting and drifting at an estimated cost of approximately $15,300.

The property was examined on October 12, 1956, by the writers accompanied by Mr. Leuzinger and his son. Three of five levels were mapped (pl. 1).

SUMMARY

A narrow quartz vein was explored by five levels which produced approximately 75 tons of high-grade lead and silver ore. It appears that the galena filled cavities in the vein because almost perfect quartz crystals surrounded by galena were observed in the abandoned stopes and from cobbed material left near the portals of the upper levels. The ore occurs as small, isolated lenses of galena. Exploration of this type of deposit is not warranted because the ore lenses, if found, will undoubtedly be small, and it is believed the returns from any discovery would not pay the exploration cost.

RECOMMENDATION

It is recommended that the application be denied.

Reviewed by
DMEA OPERATING COMMITTEE
12-21-56
(date)

RECEIVED
DEC 17 1956
D.M.E.A.

LOCATION AND ACCESSIBILITY

The property is directly across the Salmon River from Clayton, Idaho, in secs. 25 and 26, T. 11 N., R. 17 E., and lies in the Bayhorse Mining District. Clayton is the closest town and Mackay, 60 miles south, is the nearest shipping point.

Accessibility is by 1 mile of good dirt road which connects with U. S. Highway 93 about 1 mile upriver from Clayton.

COMPETENCY OF THE APPLICANT

Mr. Leuzinger has prospected and mined in the vicinity of Clayton for a number of years -- it has been a hobby with him; however, since his actual work consists of running a grocery store and gas station at Clayton, he would require fairly close supervision on this type of exploration. He would be able to finance his share of the exploration.

THE PROPERTY

The property under consideration consists of five unpatented lode claims. These claims are recorded as Clayton View, Clayton View 2, Clayton View 3, Deer Trail, and Log Cabin, in Book 13, page 265, at the Custer County Courthouse, Challis, Idaho. The claims are owned by Mr. Leuzinger.

AVAILABILITY OF MANPOWER AND SUPPLIES

The property is located in a fairly active mining district and the number of men needed for this exploration could be easily recruited. Supplies are available in Challis, 24 miles distant, Salmon, 83 miles, and Mackay, 60 miles. The nearest shipping point is Mackay.

GEOLOGY

The regional geology is described by Irvin L. Tailleur (Ore Deposits of Clayton Area, Custer Co., Idaho, a Master of Science thesis: Cornell University, June 1948) and by C. P. Ross (Geology and Ore Deposits of the Bayhorse region, Custer County, Idaho: U. S. Geol. Survey Bull. 877, 1937).

The quartz veins occur in a quartzite bed in the lower member of the Kinnikinick Quartzite (Ordovician Age). This member is composed of interbedded, massive siliceous quartzites and thin-bedded dolomitic quartzites, dolomites, and shales with an aggregate thickness of at least 2,000 feet.

The quartz vein, averaging about 18 inches wide, strikes N. 23° W. and dips 70° - 80° SW. The bedding strikes N. 7 - 15 W. and dips 80° SW. The vein is essentially white or iron-stained quartz with several small discontinuous lenses of galena which appear to have filled cavities within quartz vein. Four or five small stopes were examined on the upper levels. The two largest stopes are shown on plate 1. The lower level crosscut and drift apparently have not reached the vein as the projections from the upper levels indicate the vein is in the southwest wall of the drift about 5 - 15 feet distant. However, the lower level drift does follow a weak structure, parallel to the vein, which may actually be the vein. This structure does have minor amounts of vein quartz along it. A short crosscut to the southwest near the face of this drift would confirm the vein's existence.

The shipping records submitted with the application show 46.87 tons of ore averaged 23.17 ounces silver and 57.61 percent lead per ton. No samples were cut during the examination because no ore was found to sample. The quartz vein is almost barren of ore minerals. The applicant estimated approximately 75 tons of ore has been produced from the property, but no ore reserve exists at property at the present time.

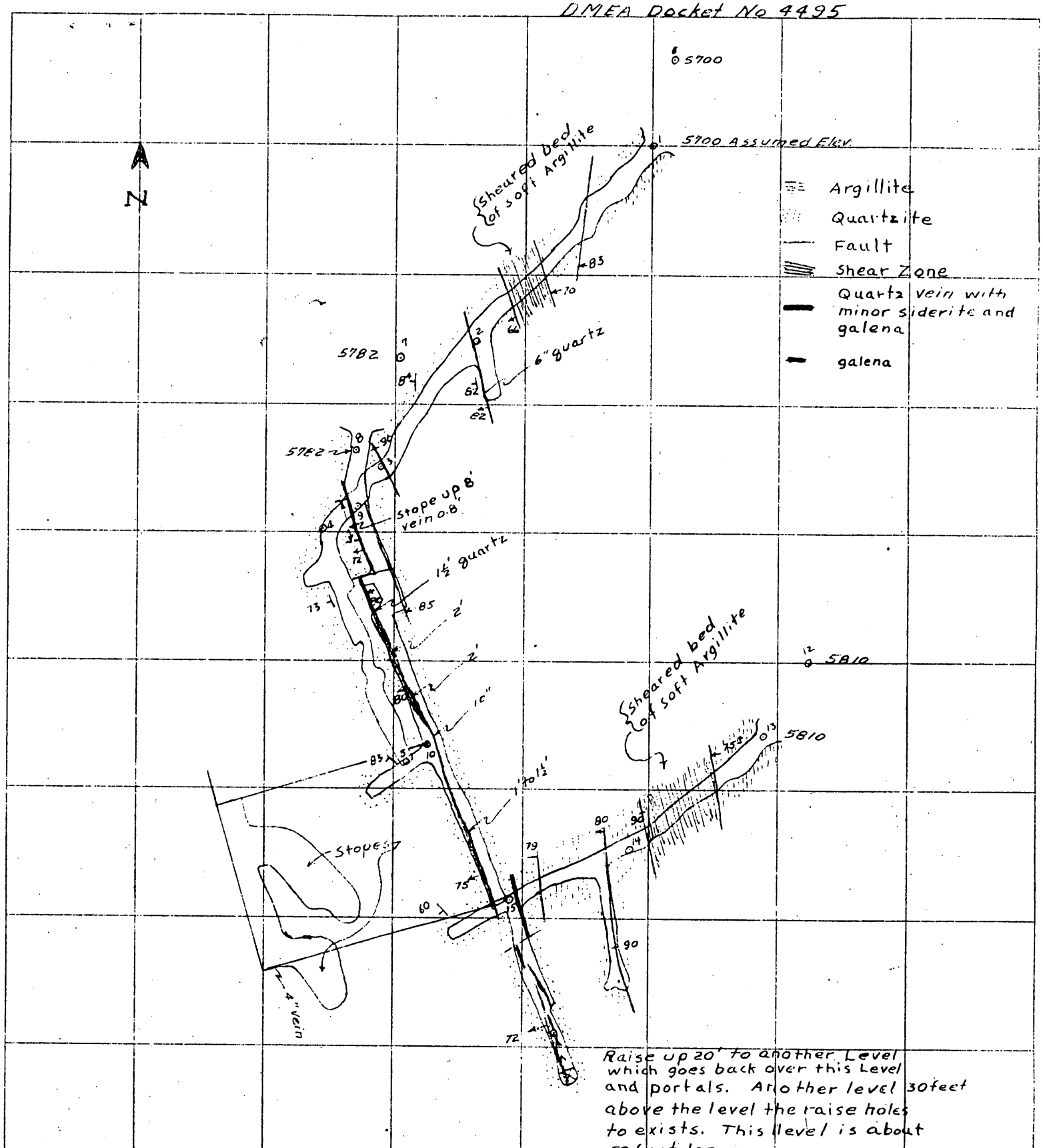
CONCLUSION

The existing workings show the occurrence of galena within the quartz vein occurs as small discontinuous high-grade lenses, and it is believed the exploration costs will exceed the returns from any ore found. It is recommended that the application be denied.

Enclosure

Distribution:
- DMEA (4)
- USBM (5)
- USGS (SRO)
- Docket
- Nickelson

DMEA Docket No 4495



Raise up 20' to another Level which goes back over this Level and portals. Another level 30 feet above the level the raise holes to exists. This level is about 50 feet long.

CLAYTON VIEW MINE
Custer County Idaho
Fred Leuzinger
Scale 1" = 40'

Plate-1

HBN-USGS DIW-USBM 10-56

"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF

DMEA Form 7
(12-56)

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Date	Surname	Code
1/3/57	Klugeschied	500
	Fizzard	500
1/4/57	Selfridge	130
1/4	[illegible]	100
1/4	C	225

Lamb
Nelson

JAN 1957

Mr. Fred Leuzinger
Clayton, Idaho

Re: Docket No. DMEA-4495 (Lead)
Fred Leuzinger
Clayton View Claims
Custer County, Idaho

Dear Mr. Leuzinger:

Your application for aid for an exploration project and other data available to us in Washington relating to your claims 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 mineralization on your property, indicates to us that the probability of disclosing significant ore reserves 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. Mittendorf (for)

Administrator

WPKlugeschied/er 1/3/57
Copy to: Docket
dmr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist (2)
Chron.

R.G.L.

8623

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

January 3, 1956

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-4495 (Lead), Fred Leuzinger, Clayton View Claims, Custer County, Idaho

The cited application, dated September 26, 1956, was received in this office on October 9.

The Applicant proposed crosscutting for 100 feet to reach the vein and then drifting north along the vein for 350 feet under an iron-stained outcrop. The estimated cost of the work was approximately $15,300.00.

The shipping records submitted by the Applicant show a production of 46.87 tons of ore averaging 23.17 ounces of silver and 57.61 per cent lead per ton.

There are five levels in this mine which were driven to explore a narrow quartz vein about 18 inches wide in a quartzite bed. There are no existing ore reserves.

The ore occurs as small, isolated lenses of galena in the quartz vein. The examining team states that exploration of this deposit is not warranted because the lenses, if found, would undoubtedly be small, and the returns from any discovery would not pay the cost of the exploration. No samples were cut by the examiners as no ore exposure was found to sample.

We concur with the recommendations of the Field Team, the examiners, and the commodity members of the Geological Survey and the Bureau of Mines that this application be denied.

W. R. Griswold

W. R. Griswold

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
	Klugescheid	

January 3, 1956

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WPKlugescheid/er
Copy to: Docket
Base Metals
Chron.

8623

Orig.

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

January 2, 1957

Re: DMEA 4495; Lead; $15,225.00
Fred Leuzinger
Clayton View Prospect
Bayhorse Mining District
Custer County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Review of Field Team report dated December 12, 1956 and received December 20, 1956

Nickelson (USGS) and Walker (USBM), upon examining the Clayton View claim, found that the ore occurs as small isolated lenses of galena in a quartz vein traversing the Kinnikinick Quartzite. Past production is estimated by the applicant at 75 tons of shipping grade ore and records submitted demonstrate shipments of 46.87 tons of 57.6 percent lead ore containing 23.17 ounces of silver per ton.

The development work shown on Plate 1 indicates that the vein has been explored on the 5,700-foot, 5,782-foot and 5,810-foot levels over a strike length totaling about 400 feet. Despite that work, some raising and stoping and unreported work on 2 other levels, the total worth of production at the smelter has been less than $12,000, and no ore reserves exist.

On the basis of the field examiners observations, I conclude that the known vein and mineralization do not offer a sufficient target to warrant DMEA participation in exploration on the Adit level 100 feet below the presently developed 5,700-foot level.

O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Mr. Bishop
Files

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

January 2, 1957

Re: DMEA 4495; Lead; $15,225.00
Fred Leuzinger
Clayton View Prospect
Bayhorse Mining District
Custer County, Idaho

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O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Killingsgard
Mr. Lamb
Mr. Bishop
Files

IN REPLY REFER TO:

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

December 27, 1956

Re: DMEA 4485 4495
Clayton View Claims
Custer County, Idaho
Lead-zinc
Fred Sauzinger

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of field examiners report.

Field examiners recommend denial of this application, their recommendations being based on the small size of the vein to be explored, the scarcity of ore within the vein, and the overall improbability of making a significant discovery with the proposed work.

As described, the vein has little to offer in the way of an ore potential; therefore, it is believed the recommendation of the field examiners are well-founded, and I concur with them.

T. H. Kiilsgaard
T. H. Kiilsgaard

RECEIVED
DEC 28 1956
D.M.E.A.

IN REPLY REFER TO:

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

RECEIVED
DEC 28 1956
DMEA

December 27, 1956

Re: DMEA (4485) 4495
Clayton View Claims
Custer County, Idaho
Lead-zinc

Memorandum

To: E. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of field examiners report.

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T. H. Kiilsgaard

THKiilsgaard:btr
G 12/27/56

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
DEC 17 1956
D.M.E.A.

December 12, 1956

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4495 (Lead)
Fred Leuzinger, Clayton View Claims,
Bayhorse Mining District
Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum examination report by Howard B. Nickelson of the Geological Survey and D. D. Walker of the Bureau of Mines, on the referenced property.

The Field Team concurs in the recommendation of Nickelson and Walker that the application be denied.

By Field Team, Region I, NW District

Wing G. Agnew

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald R. MacLaren

Donald R. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS (SRO)
Nickelson

Reviewed by
DMEA OPERATING COMMITTEE
12-21-56
(date)

DMEA

RECEIVED
DEC 17 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

November 27, 1956

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: Howard B. Nickelson, Geologist, U. S. Geological Survey and D. D. Walker, Mining Engineer, U. S. Bureau of Mines

Subject: Field Examination Report, Docket No. DMEA-4495 (Lead), Fred Leuzinger, Clayton View Claims, Bayhorse Mining District, Custer County, Idaho

INTRODUCTION

On September 25, 1956, Fred Leuzinger, Clayton, Idaho, submitted an application to the Defense Minerals Exploration Administration to explore for lead on five claims located directly across the Salmon River from Clayton, Idaho. The proposed exploration consists of 450 feet of crosscutting and drifting at an estimated cost of approximately $15,300.

The property was examined on October 12, 1956, by the writers accompanied by Mr. Leuzinger and his son. Three of five levels were mapped (pl. 1).

SUMMARY

A narrow quartz vein was explored by five levels which produced approximately 75 tons of high-grade lead and silver ore. It appears that the galena filled cavities in the vein because almost perfect quartz crystals surrounded by galena were observed in the abandoned stopes and from cobbed material left near the portals of the upper levels. The ore occurs as small, isolated lenses of galena. Exploration of this type of deposit is not warranted because the ore lenses, if found, will undoubtedly be small, and it is believed the returns from any discovery would not pay the exploration cost.

RECOMMENDATION

It is recommended that the application be denied.

Reviewed by
DMEA OPERATING COMMITTEE
12-21-56
(date)

RECEIVED
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D.M.E.A.

LOCATION AND ACCESSIBILITY

The property is directly across the Salmon River from Clayton, Idaho, in secs. 25 and 26, T. 11 N., R. 17 E., and lies in the Bayhorse Mining District. Clayton is the closest town and Mackay, 60 miles south, is the nearest shipping point.

Accessibility is by 1 mile of good dirt road which connects with U. S. Highway 93 about 1 mile upriver from Clayton.

COMPETENCY OF THE APPLICANT

Mr. Leuzinger has prospected and mined in the vicinity of Clayton for a number of years -- it has been a hobby with him; however, since his actual work consists of running a grocery store and gas station at Clayton, he would require fairly close supervision on this type of exploration. He would be able to finance his share of the exploration.

THE PROPERTY

The property under consideration consists of five unpatented lode claims. These claims are recorded as Clayton View, Clayton View 2, Clayton View 3, Deer Trail, and Log Cabin, in Book 13, page 265, at the Custer County Courthouse, Challis, Idaho. The claims are owned by Mr. Leuzinger.

AVAILABILITY OF MANPOWER AND SUPPLIES

The property is located in a fairly active mining district and the number of men needed for this exploration could be easily recruited. Supplies are available in Challis, 24 miles distant, Salmon, 83 miles, and Mackay, 60 miles. The nearest shipping point is Mackay.

GEOLOGY

The regional geology is described by Irvin L. Tailleur (Ore Deposits of Clayton Area, Custer Co., Idaho, a Master of Science thesis: Cornell University, June 1948) and by C. P. Ross (Geology and Ore Deposits of the Bayhorse region, Custer County, Idaho: U. S. Geol. Survey Bull. 877, 1937).

The quartz veins occur in a quartzite bed in the lower member of the Kinnikinick Quartzite (Ordovician Age). This member is composed of interbedded, massive siliceous quartzites and thin-bedded dolomitic quartzites, dolomites, and shales with an aggregate thickness of at least 2,000 feet.

The quartz vein, averaging about 18 inches wide, strikes N. 23° W. and dips 70° - 80° SW. The bedding strikes N. 7 - 15 W. and dips 80° SW. The vein is essentially white or iron-stained quartz with several small discontinuous lenses of galena which appear to have filled cavities within quartz vein. Four or five small stopes were examined on the upper levels. The two largest stopes are shown on plate 1. The lower level crosscut and drift apparently have not reached the vein as the projections from the upper levels indicate the vein is in the southwest wall of the drift about 5 - 15 feet distant. However, the lower level drift does follow a weak structure, parallel to the vein, which may actually be the vein. This structure does have minor amounts of vein quartz along it. A short crosscut to the southwest near the face of this drift would confirm the vein's existence.

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The existing workings show the occurrence of galena within the quartz vein occurs as small discontinuous high-grade lenses, and it is believed the exploration costs will exceed the returns from any ore found. It is recommended that the application be denied.

Enclosure

Distribution:
- DMEA (4)
- USBM (5)
- USGS (SRO)
- Docket
- Nickelson

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

December 12, 1956

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4405 (Lead)
Fred Leuzinger, Clayton View Claims,
Payhorse Mining District
Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum examination report by Howard B. Nickelson of the Geological Survey and D. D. Walker of the Bureau of Mines, on the referenced property.

The Field Team concurs in the recommendation of Nickelson and Walker that the application be denied.

By Field Team, Region 1, NW District

Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Donald E. MacLaren, Acting Member
U. S. Geological Survey

Enclosures

cc: USBM (2)
USGS (SRD)
Nickelson

Reviewed by
DMEA OPERATING COMMITTEE

12/21/56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

RECEIVED DEC 17 1956 D.M.E.A.

November 27, 1956

MEMORANDUM

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DMEA OPERATING COMMITTEE

(date)

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- Docket
- Nickelson

RECEIVED 1956 DMEA

File Copy
Surname
Klugescheid, Irwin
Selfridge
Mathews

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

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

OCT 26 1956

Re: Docket No. DMEA-4495 (Lead)
Fred Leusinger
Clayton View Claims
Custer County, Idaho

Dear Mr. Weissenborn:

The cited application for exploration assistance is being referred to your office for consideration, a field examination of the property if warranted, and recommendations.

If the project is favorably considered by the Field Team, it will be necessary to obtain a property map which shows the relationship between the claims and the mine workings.

The Applicant failed to specify the amount of money required for the project but from his cost per foot figures and the amount of work he plans doing we conclude that it would be about $15,300.00.

The listing of the five mine claims did not specify as to whether they are patented or unpatented. All claims are listed as being recorded in the same book and on the same page of the Custer County Court House records. This is not usually the case and it might be well to see if this is really the case.

Mr. Leusinger apparently does not know how to figure costs but probably his total is more or less correct although his drill steel costs are very high.

Copies of memoranda dated October 18 and 23, 1956, by T. H. Kiilsgaard, Geological Survey and O. M. Bishop, Bureau of Mines, respectively, relating to the project are enclosed for your information.

Sincerely yours,
George C. Selfridge
Chairman, Operating Committee (2/B)

Enclosures

APPROVED:

Frank D. Lamb (2/B)
Member, Bureau of Mines

Thor H. Kiilsgaard (2/B)
Member, Geological Survey

WPKlugescheid/er 10/25/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

File Copy
Surname
Klugescheid.
Lamb
Kilsgaard
Selfridge

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

OCT 26 1956

Mr. Fred Leuzinger
Clayton, Idaho

Re: Docket No. DMEA-4495 (Lead)
Fred Leuzinger
Clayton View Claims
Custer County, Idaho

Dear Mr. Leuzinger:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred to:

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
Northwest District
South 157 Howard Street
Spokane 4, Washington

If the Field Team requires additional information concerning your application, they will contact you at an early date.

We are enclosing the following settlement sheets which you wished to have returned to you.

Date	Number
November 17, 1941	7237-a
December 16, 1941	7298-a
March 21, 1942	7369-a
May 7, 1948	9567-A

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosures

WPKlugescheid/er
10/25/56
Copy to:
Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist.
Chron.
Base Metals

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

RECEIVED
OCT 23 1956

October 23, 1956

Re: DMEA 4495; Lead
$15,225
Fred Leuzinger,
Clayton, Idaho
Clayton View Prospect
Custer County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application dated September 25, 1956, received October 18, 1956.

The applicant is the owner of a 5-claim group which contains a vein carrying lead ore. Past production is said to approximate 75 tons and 4 smelter settlement sheets forming part of the application show 1941 and 1948 shipments of 46.87 dry tons of 57.6 percent lead ore containing 23 ounces silver per ton.

The vein where exposed in the Upper Tunnel is reported to range from 0.5 to 2.5 feet in thickness, dip 72° SW., and strike S.24°E. The applicant has started a crosscut adit approximately 100 feet below the Upper Tunnel, but understands that he must crosscut about 100 feet further to reach the vein. He asks DMEA assistance in crosscutting the remaining 100 feet and in drifting 350 feet northerly beneath a gossan outcrop.

He estimates drifting-crosscutting expenses at $33.83 per foot which would indicate total project expenses of about $15,225.

On the bases of the data given, I believe the prospect is worthy of a field examination and so recommend.

O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Kiilsgaard
Mr. Lamb
Branch of Base Metals -Mr. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
OCT 19 1956

October 18, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Fred Leuzinger property, DMEA Docket 4495 (lead), Custer County, Idaho.

Mr. Leuzinger, in a poorly-prepared application, proposes to explore his Clayton View property by driving 100 feet of crosscut and 350 feet of drift. Based on the applicant's estimated cost per foot, the project would cost about $15,300.00.

I became acquainted with Mr. Leuzinger in 1947. At that time he ran a general delivery store at Clayton, dabbling in mining in his spare time. While he has not described the location of his property in the present application I am sure it is the same mine he was interested in when I first met him, in which case it is immediately across the Salmon River from the town of Clayton, only a couple of hundred feet above the river's edge. The mine was not active when I worked in the area but apparently a small shipment of ore was made by Dave Bell in 1948.

Ore from the mine is typical of other properties in the Clayton and Bay Horse areas: it assays roughly two percent lead to an ounce of silver. There is very little zinc. The ore commonly forms as blebs, bunches, or relatively small shoots that are very high in grade, as is attested in the present instance by the shipping records.

The applicant's map shows no scale but is believed to be drawn at a scale of 1 inch = 40 feet. Perusal of the map suggests that the lower-level drift could actually be on the vein, a fact that should be very carefully considered before any further crosscutting to the southwest is done, as requested by the applicant. Strike of the vein on the lower level parallels the strike on the upper level and a steepening in dip of but a few degrees could easily project the vein to the location explored by the lower drift. Perhaps some long holes into the southwest wall of the lower drift, directly down dip from the ore zone in the upper level, would be thoughtful exploration before attempting to crosscut farther.

It is believed that ore heretofore produced came from the upper level. If this is so it would be prudent to carefully examine the northerly "iron outcrop" overlying the proposed drift. Any drifting to the north on the lower level would be away from the ore zone previously mined.

The applicant's property is in a good area that has produced considerable lead-silver ore and which may be expected to produce more in the future. It certainly warrants a field examination, which I herewith recommend.

T. H. Kiilsgaard

T. H. Kiilsgaard

IN REPLY REFER TO:

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

October 18, 1956

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Fred Leuzinger property, DMEA Docket 4495 (lead), Custer County, Idaho.

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The applicant's property is in a good area that has produced considerable lead-silver ore and which may be expected to produce more in the future. It certainly warrants a field examination, which I herewith recommend.

T. H. Kiilsgaard

THKiilsgaard:iml
G-10/18/56

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

October 17, 1956

Mr. Fred Leuzinger
Clayton,
Idaho

Subject: DMEA-4495
Re: Exploration Assistance
Clayton View

Dear Mr. Leuzinger

Your application for exploration assistance, dated September 26, 1956 submitted to our office at Spokane, has been assigned Docket Number DMEA-4495 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region I, NW. Spokane 4, Washington

Code 500

3571

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
OCT - 8 1956

October 3, 1956

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New application (Lead)
Fred Leuzinger
Clayton View and Clayton View 2 & 3
Custer County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Mr. Fred Leuzinger, Clayton, Idaho. We have retained one copy for our files.

Sincerely yours,

D. R. MacLaren
for: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW Dist.

Enclosure

cc: USBM (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT - 8 1956

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. 4495
Metal or Mineral Read
Date Received 10-8-56
Estimated Cost Not given
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: Fred Leuzinger
Clayton
Idaho

(*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. owner

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. none

(*d*) If a partnership, add to the above statement the names and addresses of all partners. none

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 Clayton view & Clayton view 2 & 3
Deer trail
Log cabin

(*b*) State any mine name by which the property is known. Clayton view

(*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. owner

(*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. Book 13 page 265 & recorededin custer county cort house Idaho

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 75 tons no reserves

(*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.

RECEIVED
OCT 1 1956
U. S. G. S.
SPOKANE, WASH.

(*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.

16—66551-1

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

(*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 24 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 Sept 26, 1956

Fred Leuzinger
(Applicant)

By _____

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

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

RECEIVED
OCT 23 1956

October 23, 1956

Re: DMEA 4495; Lead
$15,225
Fred Lessinger,
Clayton, Idaho
Clayton View Prospect
Custer County, Idaho

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Application dated September 25, 1956, received October 18, 1956.

The applicant is the owner of a 5-claim group which contains a vein carrying lead ore. Past production is said to approximate 75 tons and 4 smelter settlement sheets forming part of the application show 1,41[illegible] and 1,[illegible] shipments of 40.[illegible]7 dry tons of 57.6 percent lead ore containing 23 ounces silver per ton.

The vein where exposed in the Upper Tunnel is reported to range from 0.5 to 2.5 feet in thickness, dip 72° SW., and strike S.24 E. The applicant has started a crosscut adit approximately 100 feet below the Upper Tunnel, but understands that he must crosscut about 100 feet further to reach the vein. He asks DMEA assistance in crosscutting the remaining 100 feet and in drifting 300 feet northerly beneath a possible winze.

He estimates drifting-crosscutting expenses at $33.03 per foot which would indicate total project expenses of about $15,225.

On the bases of the data given, I believe the prospect is worthy of a field examination and so recommend.

O. M. Bishop

Copy to: Division of Minerals
Mr. Killgaard
Mr. Lamb
Branch of Base Metals -Mr. Bishop
Files

4. Physical Discription

RECEIVED
OCT - 8 1956

(A) I have run a 195 cross cut to top vain in lower tunnel but according to the eng i neer I will have to drive seventy-five to one hundred feet to cross cut vein.

(C) I would like to explore this vein which is high in lead.

(D) I have good road to mine and it only one mile from U.S. 93. It is 60 miles by oil to railroad.

(E) Myself and one other man. We have water within 200 feet of drift and I have gas d r iven air compressor, Garden Denver Liner, airhoses, drill steel, and pipe to do the work on the property.

5. Project

(B) I would like to cross cut 100 feet to vein and drift north on vein 350 feet under iron out cropping.

(D) I have been mining the past 15 years. I will also supervise the work with the help of one other man.

Fred Leuzinger
Clayton
Ida

Total cost to run this drift

Powder	per ft	3.00
rails		2.00
Ties		.25
Caps		.25
Fuse		.25
Gas & oil		3. 60
Bolts &fish plates		10
Labor 16.00 per man		16.00
Working comp		2.38
Bits & stool		6.00
		33.83

RECEIVED
OCT - 8 1956

(c)
I have the following items under 50.00 dollars
1 water tank 40 gals
2 Stilson wrinches large
1 track bender
2 bars with arm to attach on to
2 water hoses 50 ft long
4 creson wrenches 6in to 12 in

(d)

I own the following equipment
1- 105 Le Roy gas drivmen air compressor
1 Garden Denver air dr ill
1 mining car
750 ft 2in hose

7 (a)

I am prepared to m e et all unforseen expences that may incc ur while driving this drift.

Fred Leuzinger
Clayton
Ida

FORM C.O. 77-1

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement
7237-a

Salt Lake City, Utah, November 17, 1941

Pay FRED LEUZINGER, Clayton, Idaho

SP: Clayton, Idaho

Ore Crude Lot No. 1 Gold License No.

Sampled by Midvale Received 1-6-41 Sampled 11-12-41 Assayed 11-13-41

Metal Quotations—Gold 34.9125 Silver 70.625 Copper, N. Y. Lead, N. Y. 5.85 Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. Co.										
Umpire										
Settlement Assay	.02	29.10		68.50	16.2	.50		10.4		

CAR NOS.	WET WEIGHT
Truck	
Total Wet Weight	7090
Sacks 58	107
Net Weight	6983
Less H_2O 1.0 %	69

METAL VALUE		
Gold 100% @ 31.9183		64
Silver 100% Less ½ oz.	20	20
Copper		
Lead	52	86
Zinc		
Total Metal Value	73	70
Less 5 % of value of silver	1	01
Gross Value	72	69
Less Working Charge	3	51

WORKING CHARGE		
Treatment Base 30% Lead		75
Credit Acct Over 30% Pb.		93
Debit Acct Under 30% Pb.		
Insoluble	1	62
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%	2	10
Arsenic Charge, excess over 2%		
Total Debit	3	54
Iron Credit		03
Net Working Charge	3	51

Dry Weight, lbs. 6914 Payment for 3.457 tons @ 69 18 per ton 239.16

Freight advanced @ per ton

Handling Charge Acct. Less Than 10 Tons		
Assay Charges	7.50	
Sampling Charges		
Hauling Charges: @ $13.00 per ton - Lindburg Truck Line, Mackay, Idaho	46.09	
Sacks returned by Lindburg Truck, collect		53.59
Amount Withheld Pending Receipt of Silver Affidavit		185.57
Net Payment		33.71
		151.86

Checked by

Approved by

TRAVERSE LOWER TUNNEL

COURSE	BEARING	HOR. DIST.
1 - 2	S 24° W	22.0 FT
2 - 3	S 42° W	100.0 FT
3 - 4	S 29° W	60.5 FT
4 - 5	S 20° E	73.0 FT

TRAVERSE UPPER TUNNEL

COURSE	BEARING	SL. DIST.	V. ANGLE	HD	VD
1 - 6	S 65° W	41.0	+ 27°	36.0	19.0
6 - 7	S 40° W	100.0	+ 38°	78.0	63.0
7 - 8	S 22° W	41.0	0°	41.0	0.0
8 - 9	S 22° E	42.5	0°	42.5	0.0
9 - 10	S 60° W	6.0	0°	6.0	0.0
10 - 11	S 22° E	92.0	0°	92.0	0.0

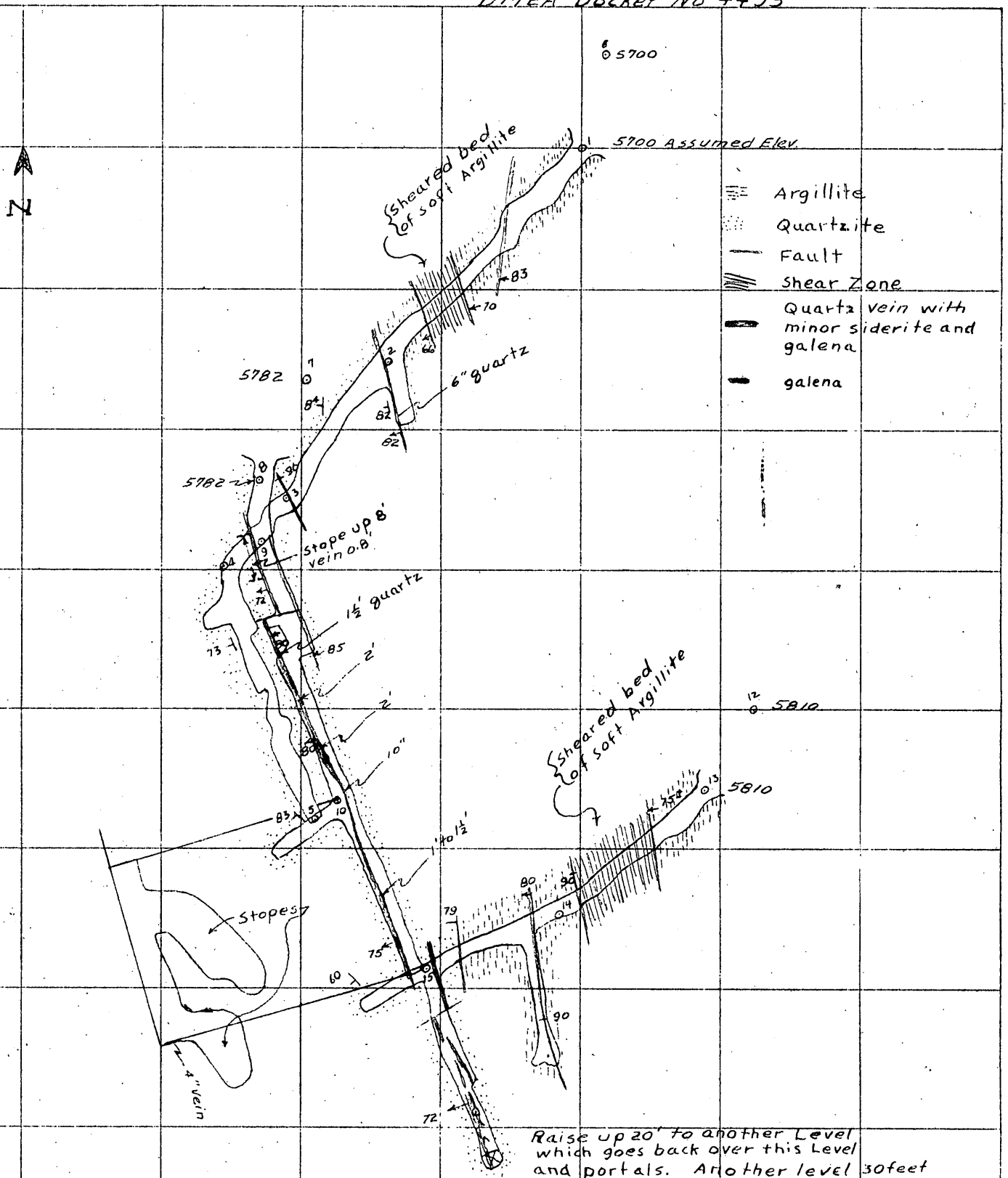
VEIN IN UPPER TUNNEL

STRIKES S 24° E

DIPS 72° AT A BEARING OF S 66° W

VARIES FROM 6" TO 2½' THICK

DMEA Docket No 4495



Raise up 20' to another Level which goes back over this Level and portals. Another level 30 feet above the level the raise holes to exists. This level is about 50 feet long.

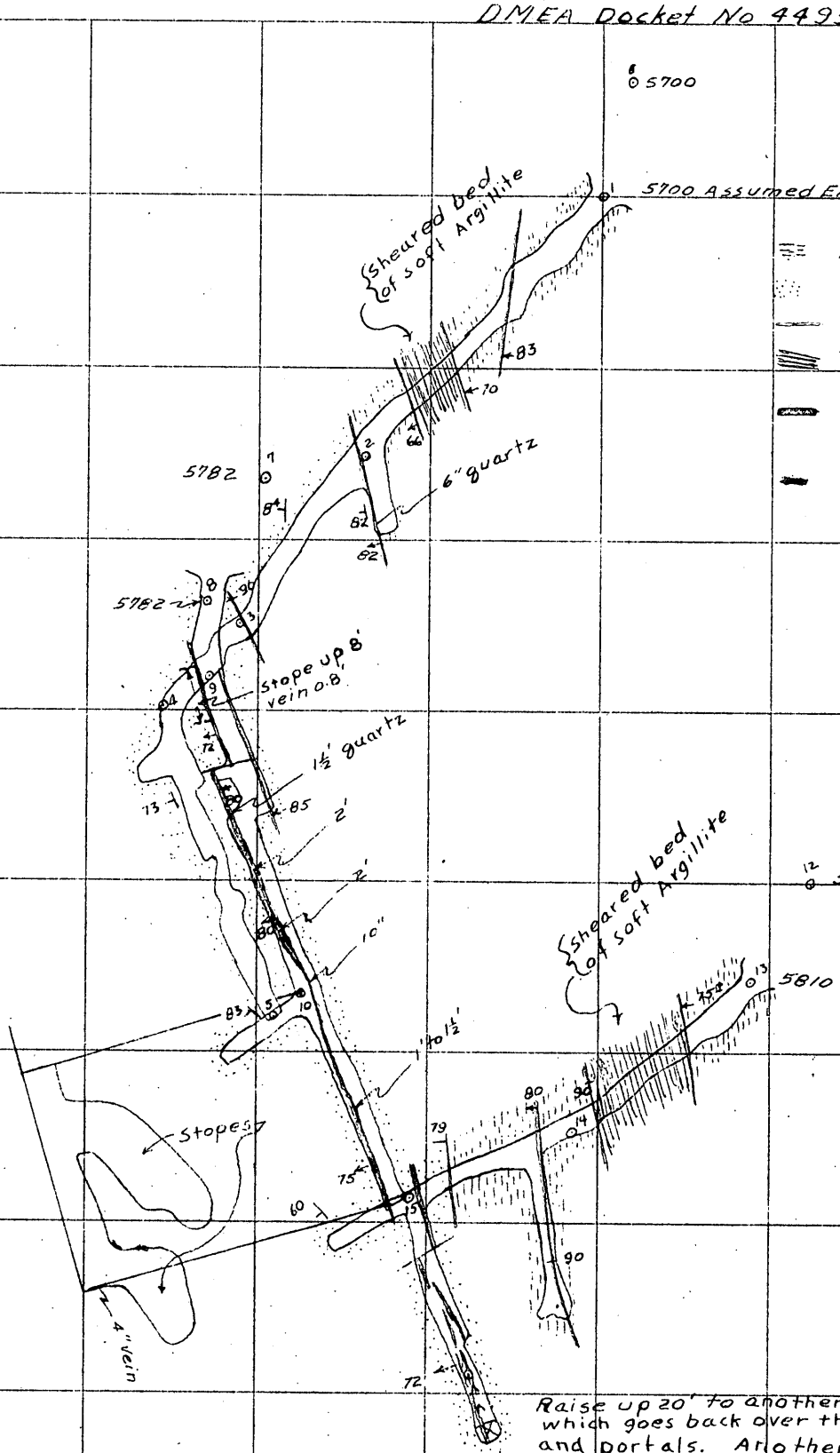
CLAYTON VIEW MINE
Custer County Idaho
Fred Leuzinger
Scale 1" = 40'

Plate-1

HBN-USGS DIN-USBM 10-56

"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.

DMEA Docket No 4495



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CLAYTON VIEW MINE
Custer County Idaho
Fred Leuzinger
Scale 1" = 40'

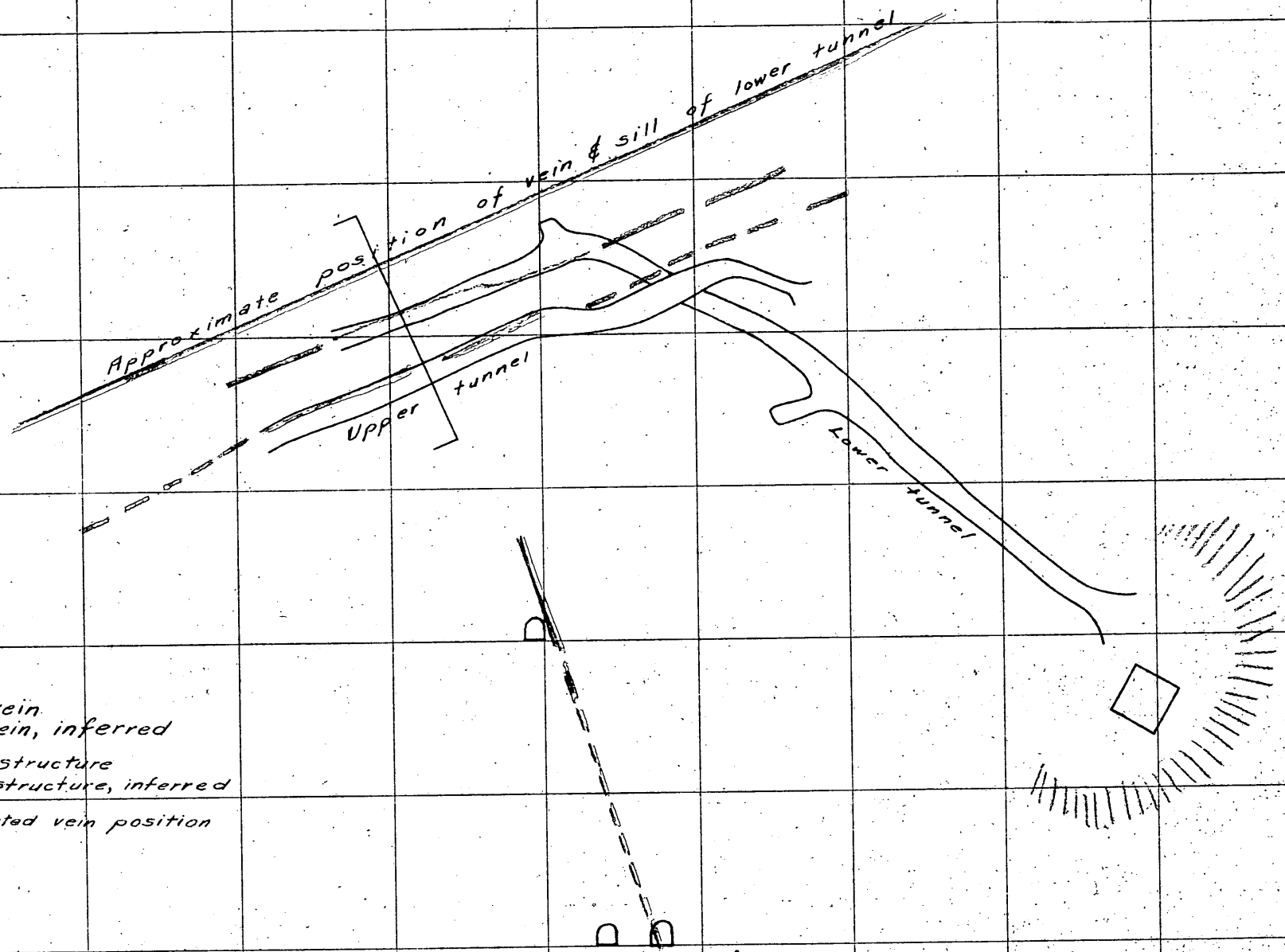
Plate-1

HBN-USGS DWI-USBM 10-56

"ALBANENE" NO. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.

RECEIVED
OCT - 8 1956

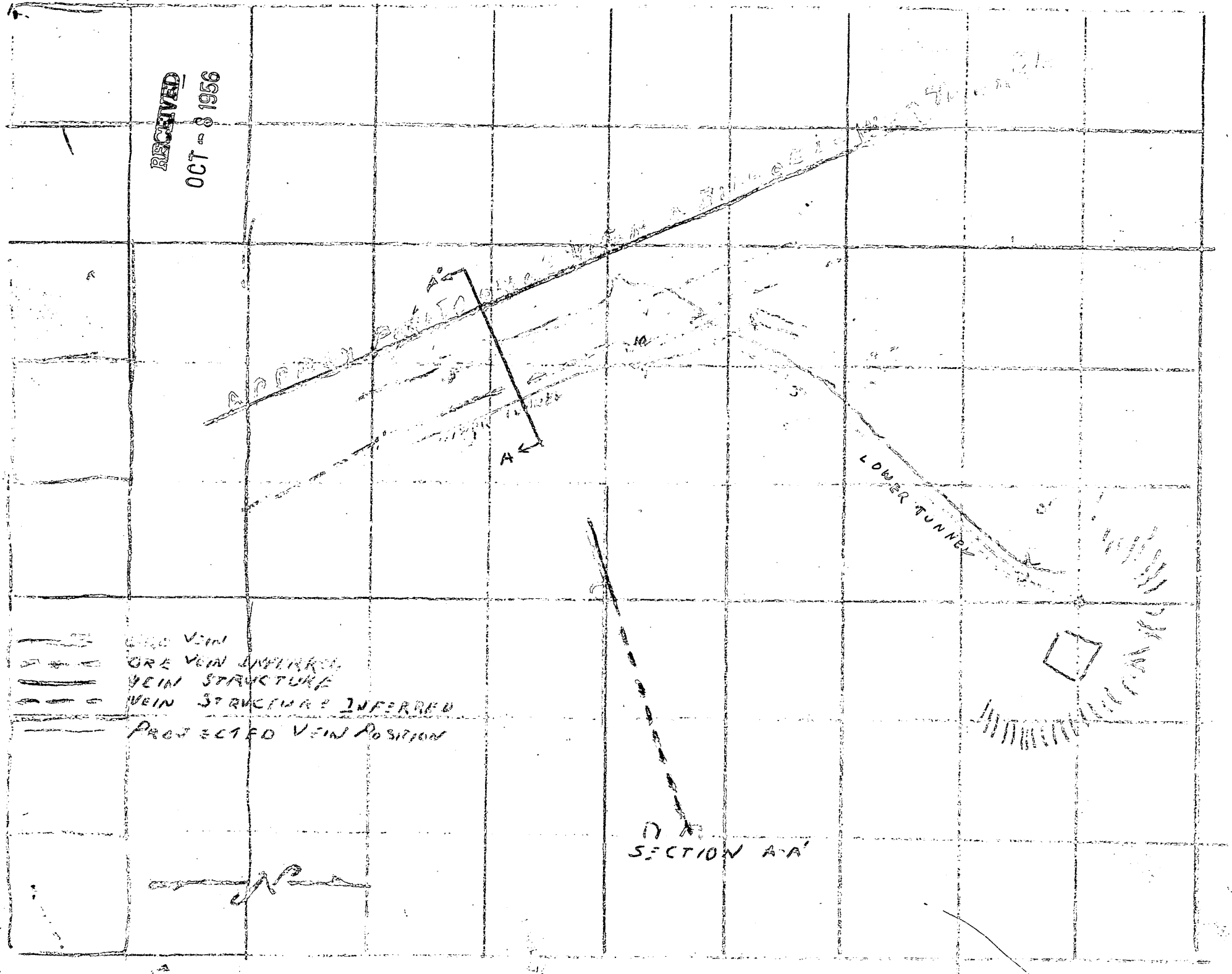
Copy of original map.



Ore vein
Ore vein, inferred
Vein structure
Vein structure, inferred
Projected vein position

CLAYTON VIEW MINE
Custer County, Idaho
Fred Leuzinger

RECEIVED
OCT - 8 1956



FORM C.O. 77-1 ®

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Provisional Settlement
7296-a

Salt Lake City, Utah, December 16, 1941

Dry DAVID E. BELL, Clayton, Idaho

Pr Clayton, Idaho

Grade 9

Lot No. Gold License No.

Sampled by Mizvale Received 12-5-41 Sampled 12-10-41 Assayed 12-11-41

Metal Quotations—Gold Silver 70.625 Copper, N. Y. Lead, N. Y. 7.05 Zinc

Assayer	Gold Ozs. per ton	Silver Ozs. per ton	Per Cent Copper Wet	Per Cent Lead	Per Cent Insoluble	Per Cent Iron	Per Cent Zinc	Per Cent Sulphur	Per Cent Lime	Per Cent [illegible]
U.S.S.&R. Co.	.0075	23.90		59.90	24.4	1.6		9.4		
[illegible]	.01	24.2		59.40	23.4	1.7		9.3		
Umpire										
Settlement Assay	.00875	24.05	.25	59.65	23.90	1.65		9.35	.5	

Car Nos.	Wet Weight
Total Wet Weight	
Sacks	
Net Weight	16780
Less H_2O 1.0 %	168

Metal Value		
Gold 100% @		
Silver 100% Less ½ oz.	16	63
Copper		
Lead	46	03
Zinc		
Total Metal Value	62	66
Less 5 % of value of silver		83
Gross Value	61	83
Less Working Charge	3	66

Working Charge		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb.		
Debit Acc't Under 30% Pb.		
Insoluble	2	19
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge, excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 16612 Payment for 8.306 tons @ 58 17 per ton 483.16

Freight advanced @ per ton

Handling Charge Acct. Less Than 10 Tons		
Assay Charges		
Sampling Charges	5.00	
Hauling Charges: @ 12.00 per ten - Lindberg Truck Line, Mackay, Idaho	100.68	
Royalty 20% of $377.18 - Fred Lemminger, Clayton, Idaho	75.50	181.18
Total Net Proceeds		301.98
Amount withheld pending receipt of silver affidavit		65.95
Net Proceeds Provisional		236.03
50% of Net Proceeds Provisional - Fisher Bros., Clayton, Idaho		118.02
Amount Withheld Pending Receipt of Silver Affidavit		
Net Proceeds Provisional	Net Payment	118.02

Checked by

Approved by

FORM C.O. 77-1

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

Salt Lake City, Utah, March 21, 1942

[illegible] Settlement adjustment
/o Lead umpire - 7369-a

[illegible] E. [illegible], Clayton, Idaho

[illegible] Wallace, Idaho

Ore Crude Lot No. 5 Gold License No.

Sampled by Received 3-15-42 Sampled 3-15-42 Assayed 3-15-42

Metal Quotations—Gold Silver [illegible] Copper, N. Y. Lead, N. Y. 6.50 Zinc

Assays	Gold Ozs. per ton	Silver Ozs. per ton	Per Cent Copper Wet	Per Cent Lead	Per Cent Insoluble	Per Cent Iron	Per Cent Zinc	Per Cent Sulphur	Per Cent Lime	Per Cent
S. S. Co. [illegible]		25.2		62.7	22.0	1.50		10.5		
[illegible]	.01	25.5		62.4	21.4	1.50		10.4		
[illegible] Umpire				62.5						
[illegible]tlement Assay	.005	25.38	.30	62.5	21.7	1.50		10.45	.60	

Car Nos.	Wet Weight
[illegible] 713431	
[illegible]tal Wet Weight	
[illegible]ks	
[illegible]t Weight	51820
[illegible] H_2O 1.0 %	518

Metal Value		
Gold 100% @		
Silver 100% Less ½ oz.	17	57
Copper		
Lead	55	55
Zinc		
Total Metal Value	73	12
Less 5 % of value of silver		88
Gross Value	72	24
Less Working Charge	3	44

Working Charge		
Treatment Base 50% Lead		50
Credit Acc't Over 30% Pb.	1	25
Debit Acc't Under 30% Pb.		
Insoluble	2	17
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%	2	11
Arsenic Charge, excess over 2%		
Total Debit	3	53
Iron Credit		09
Net Working Charge	3	44

[illegible] Weight, lbs. 51302 Payment for 25.651 tons @ 68|90 per ton 1764.79

Freight advanced @ 85.23 per ton	135.51	
Umpire Charges:	2.00	
Handling Charge Acct. Less Than 10 Tons		
Assay Charges	5.00	
Sampling Charges		
Hauling Charges: * $6.00 per ton allowed before figuring royalty		
[illegible]alty 20% of $1466.82 - Fred Lausinger, Clayton, Idaho	293.16	436.67
Total Net Proceeds Final		1328.12
[illegible]alty of Net Proceeds $664.06 *		* 664.06
[illegible] Proceeds Paid 664.07		
[illegible]itional Proceeds $ 9.99 Fisher Bros., Clayton, Idaho		664.06
[illegible]cked by Former Payment		664.06
[illegible]proved by	Net Payment	9.98

FORM C.O. 77-2

UNITED STATES SMELTING REFINING AND MINING COMPANY

NINTH FLOOR NEWHOUSE BUILDING

PROVISIONAL SETTLEMENT 9567-A — Salt Lake City, Utah, May 7, 1948

Purchased From BELL AND LAMBERT

Pay DAVID S. BELL AND IRA C. LAMBERT, c/o DAVID S. BELL, SHOSHONE, IDAHO

Ore SHIPS — Lot No. 1 — Gold License No.

Sampled by MIDVALE — Received 4/30/48 — Sampled 5/3/48 — Assayed 5/5/48

Metal Quotations—Gold — Silver 90.00 — Copper, N. Y. — Lead, N. Y. 17.50 — Zinc

ASSAYS	GOLD OZS. PER TON	SILVER OZS. PER TON	PER CENT COPPER WET	PER CENT LEAD	PER CENT INSOLUBLE	PER CENT IRON	PER CENT ZINC	PER CENT SULPHUR	PER CENT LIME	PER CENT
U. S. S. R. & M. Co.										
Umpire										
Non-Sulphide										
Settlement Assay	.005	14.25	.35	*38.55 47.80		2.20	-	5.00	-	

CAR NOS.	WET WEIGHT
Truck 2 loads	
*Assay shown for lead is wet assay less 1.5%	
Total Wet Weight	19320
Sacks 208	216
Net Weight	19104
Less H_2O 1.0 %	192

METAL VALUE		
Gold 100% @		
Silver 95 % @ 90.00	12	18
Copper		
Lead	108	56
Zinc		
Gross Value	120	74
Less Working Charge	7	50

WORKING CHARGE		
Treatment Base 30% Lead		
Credit Acc't Over 30% Pb		
Debit Acc't Under 30% Pb.		
Insoluble		
Zinc Charge, excess over 6%		
Sulphur Charge, excess over 2%		
Arsenic Charge excess over 2%		
Total Debit		
Iron Credit		
Net Working Charge		

Dry Weight, lbs. 18912 — Payment for 9.456 tons @ 113 24 per ton — 1070.30

Freight advanced @ per ton

Assay Charges

Sampling or Watching Charges

Hauling Charges @ 15.00 Ton — 144.90

Federal Tax 3% — 4.35

Lindberg Truck Lines, Mackay, Idaho

Royalty 15% of $921.55 — 138.23

Fred Lemmingar, Clayton, Idaho

Bag returned via freight 216 @ 6¢ per cwt. — 1.13

Federal Tax 3% — .34

TOTAL NET PROCEEDS — 785 85

Amount Withheld Pending Receipt of Silver Affidavit — 15 67

NET PROCEEDS PROVISIONAL SETTLEMENT — 769 18

Please return this receipt.