File Copy
Surname

Att
Kilsgaard
Gehan
Selfridge
Shimoda
Hyman

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

JAN 23 1956

Mr. Robert Alameda
34 Sierra Drive
Salinas, California

Re: Docket No. DMEA-4036 (Zinc-Lead-Copper)
Robert Alameda
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Alameda:

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 copper-lead-zinc mineralization on your leases, 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. C. [illegible]

Administrator

JWAlt/bjl (1/20/56)

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

R.C.H.

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

January 20, 1956

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of application Docket No. DMEA-4036, Robert Alameda, Chief Joseph Mine, Stevens County, Washington

The cited application dated October 13, 1955, was forwarded by the Executive Officer, Region I, Northwest District, and was received by this office on October 27.

The Applicant proposed to do 2,000 feet of additional diamond drilling. The application does not, however, contain a specific proposal as to where these holes are to be drilled. The total estimated cost of the program is $11,732.50.

This property was examined by the Field Team on November 8 and 9, 1955, and we received their report on January 6, 1956.

The principal workings consist of three adits, a shallow shaft and a number of pits. The Lower adit is 109 feet long, the West Upper adit is 10 feet long, and the East adit is 30 feet long. The shallow shaft is now filled with water but the Applicant reports it to be 50 feet deep.

The Field Team took a number of samples in the adits, all of which assayed low-grade zinc, lead and copper content.

At the time of the examination, the last hole of a 4-hole drilling project was being completed. Although several narrow veins and veinlets, as well as some disseminated ore minerals, had been encountered in the holes completed, no significant ore-bearing structure had been found by the drilling.

Since the Field Team report was completed, the Applicant submitted the assay results of holes Nos. 1 and 3. He reported that no core from hole No. 2 was assayed because only one insignificant structure was cut in the hole. Hole No. 4 cut several structures similar but no better than those in Diamond Drill Holes Nos. 1 and 3. The assays of holes Nos. 1 and 3 showed low-grade lead, zinc and copper content. The results of the core samples bear out what inspection of the core showed; that is, no significant ore structure was cut in any of the holes.

The Field Team states: "The veins and veinlets on the Chief Joseph property are too narrow and of insufficient grade to be of any possible economic interest."

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

J. W. ALT, for
W. R. GRISWOLD

File Copy
Surname

500

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

January 20, 1956

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J. W. Alt

J. W. ALT, for
W. R. CRISWOLD

JWAlt/bjl (1/20/56)

Copy to: Docket
Base Metals
Chron.

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

RECEIVED
JAN 26 1956

January 19, 1956

Re: DMEA Docket 4036 (Zn-Pb-Cu; $11,732)
Robert Alameda
Salinas, California
Chief Joseph Mine
Stevens County, Washington

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of Field Team Letter of December 30, 1955, of Quinlan's Supplemental Memorandum of December 30, 1955, and of Quinlan's Memorandum Covering the Field Examination Dated December 21, 1955

I concur with Mr. Quinlan and the field team that the narrow low-grade veins exposed are of no merit, and that the application should be denied.

The field examiner, James J. Quinlan, on visiting the property November 8 and 9, 1955, noted that the 5 unpatented lode mining claims are principally underlain by andesite and latites which are cut by several narrow veins which contain small quantities of pyrite, galena, sphalerite and chalcopyrite. These structures which dip steeply to the southwest and strike N25°-65°W have been developed in part by 149 feet of drifting on 3 adit levels, by a 50-foot shaft now flooded, and numerous test pits, and 4 diamond drill holes totalling 933 feet in length.

The shear zone on which the 50-foot shaft was sunk is exposed in a pit 30 feet northwest of the shaft. Assays of a sample taken across the 1.4-foot shear zone showed only traces of gold, silver, lead, zinc and copper, and the 1.7-foot disseminated sulfide zone in the adjacent hanging wall showed no values of near commercial grade. Sorted vein material on the dump assayed trace gold, 1.0 ounce silver, 1.1% lead, 1.1% zinc and 0.29% copper.

The structure exposed in the 30-foot East Upper Adit at an 18-foot raise to the surface showed an average width of 2.0 ft. which assayed a trace gold, 0.2 ounces silver less than 0.4% each lead and zinc, and less than 0.1% copper.

The structure exposed in the 10-foot West Upper Adit consisted of discontinuous mineralization in joint planes. The mineralization in the vein and adjacent footwall at the face of the adit showed a trace of gold, 2.2 oz. of silver, 2.4% lead, 1.5% zinc and 0.16% copper, over a width of 4.6 feet. The vein itself, where exposed in the adjacent pit, was but 1.7 feet wide and only about half as good in mineral values as that noted at the face of the West Upper Adit.

Near the face of the Lower Adit, 90 feet from the portal, there were several veinlets, the widest of which ranged from 1 to 6 inches wide, assaying a trace in gold, 1.7% silver, 2.3% lead, 4.3% zinc and 0.24% copper. Samples of the hanging and footwalls showed them to be without commercial interest.

The four diamond drill holes planned to test the veins at depth, with the exception of Hole No. 2 cut sparse sulfide mineralization of no significance except to demonstrate the worthless nature of the veins and veinlets.

There is no evidence whatever to suggest the liklihood that drilling 2,000 feet of additional hole under a cooperative agreement with DMEA would reveal substantially better widths or grades.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Branch of Base Metals
Mr. Kiilsgaard, Room 5222
Mr. Geehan, Room 3608
O. M. Bishop
Files

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

RECEIVED
JAN 20 1956

January 19, 1956

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Robert Alameda
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Chief Joseph Mine
Stevens County, Washington

Memorandum

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O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Branch of Base Metals
Mr. Killingsard, Room 5222
Mr. Gechan, Room 3608
O. M. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
JAN 12 1956

January 11, 1956

Re: DMEA 4036
Robert Alameda
Chief Joseph Mine
Stevens County, Washington
$11,732.50 Zinc-lead-copper

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team report.

The applicant requested assistance in diamond drilling a "general mineralized area." The mineralization consists of narrow and scattered veinlets carrying silver, lead, zinc and copper.

The examiner found 3 or 4 narrow veinlets, two or three of which had been explored by diamond drill holes.

A sample taken in the West Upper Adit assayed:

Width (ft.)	Au Oz	Ag Oz	Pb %	Zn %	Cu %
4.6	Tr	2.2	2.4	1.5	0.16

The veinlet is described; "0.4' high grade sulfide veinlet diss. sulfide ore FW." Probably the 0.4' high grade sulfide veinlet, more or less carried "the 4.1 feet of foot wall included in the sample. Drill Hole No. 1 cut the West Upper Adit vein about 12 feet ahead of the face of the adit and a few feet below. The material assayed:

Length of sample (ft.)	Au Oz	Ag Oz	Pb %	Zn %	Cu %
3'-7"	Tr	0.1	0.1	--	0.3

Hole No. 2 on about the same bearing as No. 1, but steeper did not reach the zone. Neither 1 or 2 showed values under a tight shear, in an open cut.

Hole No. 3 crosscut the zone 150 feet ahead of the face of the adit. A 3-inch sample assayed:

Length of sample (ft.)	Au Oz	Ag Oz	Pb %	Zn %	Cu %
0.25	Tr	0.4	5.1	4.5	0.3

The examiner concludes that the property lacks promise as a prospect and with the Field Team recommends that the application be denied. The conclusion is well supported by thorough sampling and the drilling.

I concur with the recommendation that the application be denied.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
JAN 12 1956

January 11, 1956

Re: DMEA 4036
Robert Alameda
Chief Joseph Mine
Stevens County, Washington
$11,732.50 Zinc-lead-copper

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I concur with the recommendation that the application be denied.

E. E. Nelson

EENelson:jch
6-1/11/56
cc: Director's reading 4212
Branch reading 4212
JMBA (3)
Docket file
O. M. Bishop, 3617
K. M. Mayer, 3683

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

RECEIVED JAN 3 1956

December 30, 1955

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

Re: Docket No. DMEA 4036 (Zinc-Lead-Copper)
Robert Alameda
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of a Field Examination Report by James J. Quinlan, Geologist, evaluating the application of Robert Alameda for exploration assistance on the Chief Joseph property in Stevens County, Washington. Also enclosed are four copies of a supplement to the Field Examination Report reporting the assay results of core samples from a small drilling project being conducted at the time of the field examination. The assay results of these samples were not available when the original field report was prepared.

The veins and veinlets on the Chief Joseph property are too narrow and of insufficient grade to be of any possible economic interest. Therefore, the Field Team concurs with Mr. Quinlan's recommendation that the application be denied.

By Field Team, Region I, NW Dist.

A. E. Weissenborn
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Thomas E. Howard
for Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures as indicated

cc: USBM (2)
USGS (SRO)
Quinlan

Reviewed by
DMEA OPERATING COMMITTEE
1-6-56
(date)

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

RECEIVED JAN 3 1956

December 30, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: James J. Quinlan, Geologist, U. S. Geological Survey

Subject: Supplement to Field Examination Report of December 21, 1955, Docket No. DMEA-4036 (Zinc-Lead-Copper), Robert Alameda, Chief Joseph Mine, Stevens County, Washington

Since I prepared my Field Examination Report on the Chief Joseph property, Mr. Frank M. Paparich, Jr., has submitted the assay results of the core samples from D. D. H. Nos. 1 and 3. No core from D. D. H. No. 2 was assayed because only one insignificant structure was cut in the hole. The assay results from D. D. H. Nos. 1 and 3 are tabulated below:

Hole No.	Footage	Length	Au oz	Ag oz	Pb %	Zn %	Cu %
1	88'8" to 92'3"	3'7"	Tr	0.1	0.1	-	0.3
	112'0" to 119'0"	7'0"	Tr	0.1	0.3	0.9	No
2	No structure worth sampling was encountered						
3	137'7" to 138'6"	11"	Tr	0.1	No	Tr	No
	138'6" to 138'9"	3"	Tr	0.4	5.1	4.5	0.3
	138'9" to 141'6"	2'9"	No	0.1	No	No	No
	141'6" to 143'0"	1'6"	No	0.1	No	No	No

Mr. Paparich reports that the fourth hole, which was being drilled at the time of the field examination, was drilled to a depth of 378 feet. He reports that this hole cut several structures similar but no better than those encountered in D. D. H. Nos. 1 and 3. The core from this hole has not been assayed, but the applicant plans to do so at some future date.

The results of the assays from the core samples bear out what inspection of the core showed; that is, no significant ore structure was cut in any of the holes. The results of the assays of the core samples in no way alter the conclusion that the property lacks promise as a prospect and that the application should be denied.

Distribution:
DMEA (4) (Orig. + 3 cys.) Docket
USBM (2) Quinlan
USGS (SRO)

Reviewed by
DMEA OPERATING COMMITTEE
1-6-56
(date)

DMEA (1)

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

December 21, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: James J. Quinlan, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4036 (Zinc-Lead-Copper), Robert Alameda, Chief Joseph Mine, Stevens County, Washington

INTRODUCTION AND SUMMARY

The Chief Joseph property was examined by the writer on November 8 and the morning of November 9, 1955. Mr. Frank Paparich, Sr., and Mr. Stephan Paparich assisted at various times during the examination. Diamond drill core from a small diamond drilling project being conducted at the property at the time of the examination was examined by the writer and the application discussed with Mr. Frank Paparich, Jr., the applicant's principal representative on the evening of November 9.

Narrow veins and veinlets containing small amounts of galena, sphalerite and chalcopyrite are exposed in volcanic rocks of the Rossland volcanic group on the property. Considering the narrow width of the veins and the low grade of the vein material indicated by samples taken during the examination, the property lacks promise as a lead-zinc-copper prospect.

At the time of the examination the last hole of a 4-hole drilling project was being completed. Although several narrow veins and veinlets, as well as some disseminated ore minerals, had been encountered in the holes completed, no significant ore-bearing structure had been found by the drilling. At the time of the examination the applicant had not as yet had the core from the holes assayed (no sludge samples were taken during the drilling project), but planned to do so in a week or so. The applicant's representative was therefore requested to submit the results of these assays to this office when they were available along with a definite exploration proposal if he and the applicant considered the results of drilling sufficiently encouraging to justify further exploration. As yet we have not heard from the applicant or his representative.

Reviewed by
DMEA OPERATING COMMITTEE
1-6-56
(date)

Undoubtedly, the assay data from the drill holes would be useful in evaluating the application but it is not essential considering that inspection of the core revealed no significant ore. Furthermore, it appears that there is little likelihood of cutting a significant ore structure in the drill hole which remained to be completed at the time of the examination. As we have not received the additional data requested of the applicant and inasmuch as it probably will not materially alter the conclusion that the property lacks promise as a prospect it appears that it would be best to process the application on the basis of available information.

RECOMMENDATIONS

It is recommended that Mr. Alameda's application for exploration assistance on the Chief Joseph property be denied.

APPLICANT

The applicant is Robert Alameda, 34 Sierra Drive, Salinas, California. Mr. Alameda is in a produce business in Salinas. He has no mining background and the diamond drilling project on the Chief Joseph property represents his first mining venture.

Present work on the property is under the direction of Mr. Frank M. Paparich, Jr., the applicant's brother-in-law. Mr. Paparich is regularly employed by the American Smelting and Refining Company as pit foreman at the Van Stone mine in Stevens County, Washington. Mr. Paparich is a practical miner with some knowledge and appreciation of engineering and geology and is qualified to direct the work. Because of his duties at the Van Stone mine he cannot follow work as closely as he would like and if additional work is to be done he stated that an engineer would have to be hired to supervise and direct it, although undoubtedly he will continue to look after his brother-in-law's interest.

LOCATION

The Chief Joseph property is about 10 miles northwest of Northport, Washington, and is within a mile of the Canadian border. It lies north of the American Fork of Big Sheep Creek, a small tributary of the Columbia River, and is within sec. 3, T. 40 N., R. 38 E., W. M., Stevens County, Washington.

From Northport the property is reached by following the County and Forest Service road leading up Big Sheep Creek and the American Fork of Big Sheep Creek for about 12 miles to its junction with the road leading to the property. It is about 2½ miles from the Big Sheep Creek road to the property.

PROPERTY

The property consists of five unpatented quartz lode mining claims: the Babe Ruth, Babe Ruth No. 2, Ann, Lucky Strike and Chief Joseph claims. The claims are reported to be recorded on pages 375, 377, 379, 445 and 447 of Book 19 of the records of unpatented lode claims of Stevens County, Washington.

The claims are owned by Frank M. Paparich, Sr., Stephan L. Paparich, Frank M. Paparich, Jr., William J. Laird and Charles Laird, all of Northport, Washington, and are leased to the applicant. The application contains an unsigned copy of the lease agreement and option agreement between the owners and the applicant. The lease agreement allows the applicant only 120 days from the date of the lease, September 1955, plus a 60-day grace period to exercise his purchase option. Although we do not know the applicant's intention in this regard, it may well be that he will not want to exercise the option because of the negative results of the small drilling program.

The principal workings consist of three adits, a shallow shaft and a number of pits. These workings are shown on the map accompanying this memorandum. The lower adit is 109 feet long, the West Upper adit is 10 feet long, and the east adit is 30 feet long. The shallow shaft is now filled with water but the applicant reports it to be 50 feet deep.

GEOLOGY

The Chief Joseph property is principally underlain by andesites and latites which are a part of the Rossland volcanic group. Rocks of the Rossland volcanic group are believed to range in age from Carboniferous to Triassic.

Several narrow veins and veinlets containing small amounts of pyrite, galena, sphalerite and chalcopyrite are exposed in the workings on the property.

The old shaft, which is now filled with water, was sunk on a structure which apparently strikes N. 25° - 35° W. and dips steeply southwest. This structure is best exposed in a pit 30 feet northwest of the shaft. Where exposed in this pit the structure consists of a shear zone of black andesitic material 1.4 feet wide. The hanging wall of this shear contains sparse amounts of disseminated pyrite and galena. A sample across the shear showed only traces in gold, silver, lead, zinc and copper. A sample of the disseminated zone in the hanging wall of the shear, 1.7 feet wide, assayed trace gold, 0.4 ounce silver, 0.2 percent lead, trace zinc, and 0.02 percent copper. A grab sample from a sorted pile of vein material on the dump of the shaft assayed a trace gold, 1.0 ounce silver, 1.1 percent lead, 1.1 percent zinc and 0.29 percent copper.

A narrow vein which strikes N. 65° W. and dips 75° to 85° SW. is exposed in the East Upper adit and pit immediately to the northwest. This vein consists of a weak shear about 1.0 foot wide with sparse amounts of disseminated sulfide in the footwall. An 18-foot raise was driven on this structure from the East Upper adit to the surface at a place where the structure is crossed by a zone of weak shearing. Evidently the vein must have appeared strongest where cut by this zone of weak shearing. Samples from this structure are shown on the attached map and are tabulated below:

Sample No.	Width (ft.)	Oz Au	Oz Ag	% Pb	% Zn	% Cu	Description
4	1.0	Tr	1.6	1.9	1.3	0.19	Vein exposed in pit
5	2.1	Tr	Tr	0.4	0.2	Tr	FW of vein exposed in pit
9	1.7	Tr	Tr	Tr	Tr	0.2	HW of vein exposed at face of adit
10	1.0	Tr	0.4	0.2	0.4	Tr	Vein exposed at face of adit
11	4.5	Tr	Tr	0.25	0.3	Tr	FW of vein exposed at face of adit

103

A narrow vein which ranges in width from several inches to 1.7 feet is exposed in the West Upper adit and pit to the northwest. This vein appears to be controlled by several sets of northwestward-striking joints. These joints dip steeply in either direction, i.e., toward northeast or southwest. The vein follows for short distances along one joint and then another of these joint sets. Samples taken from this vein are shown on the attached map and are tabulated below:

Sample No.	Width (ft.)	Oz Au	Oz Ag	% Pb	% Zn	% Cu	Description
6	1.7	Tr	1.2	1.6	0.5	0.07	Vein exposed in pit
7	3.8	Tr	Tr	0.15	Tr	Tr	HW of vein exposed in pit
8	4.6	Tr	2.2	2.4	1.5	0.16	Vein and FW zone of diss. ore minerals at face of West Upper adit

Several narrow veinlets are exposed in the Lower adit about 90 feet from the portal. These veinlets strike N. 65° W. and dip about 60° NE. The largest veinlet is from 1 to 6 inches wide. In the footwall of this veinlet are several other thinner veinlets as well as some minor disseminated ore minerals. Samples taken in the vicinity of this veinlet are shown on the attached map and are tabulated below:

Sample No.	Width (ft.)	Oz. Au	Oz. Ag	% Pb	% Zn	% Cu	Description
12	0.3	Tr	1.7	2.3	4.3	0.24	Principal veinlet
13	1.0	Tr	Tr	Tr	0.1	0.02	HW of principal veinlet
14	3.0	Tr	0.6	1.05	0.6	Tr	FW of principal veinlet

The diamond drilling program undertaken by the applicant is designed to test the veins and veinlets previously described. The location of the three holes completed as well as the last hole being drilled at the time of the examination are shown on the attached map. Holes Nos. 1 and 2 were planned to test the veins and veinlets exposed in the adit workings at depth and down dip from known exposures. Hole No. 3 was planned to test these same structures at depth but northwest of the exposures in the adit workings. Hole No. 4, the hole being drilled at the time of the examination, is planned to test these same structures at depth southeast of the adit workings as well as the structure exposed in the old shaft. None of the holes completed at the time of the examination had cut any significant ore structure. Tabulated below is a brief description of the mineral-bearing structures cut in the holes.

Hole No. 1

Bearing: S. 30° W. Inclination: -32° Length: 158.7 feet

Rock type: mostly latite, some andesite

Footage	Description
29.5	0.1' stringers and disseminated grains of pyrite and galena
44.8	1/8" stringer of quartz and galena, few disseminated grains of pyrite and galena
46.6	1/4" zone of disseminated grains of pyrite and galena

Hole No. 1--continued

Footage	Description
46.9	0.3' zone containing some grains of disseminated pyrite and galena
48.1	1/8" stringer of pyrite and galena, few disseminated grains of sulfides to 51.3'
51.3	Small pods of pyrite
51.8	Few grains of galena
53.9	1/2" x 3/4" lens of galena, pyrite and chalcopyrite
56.1	0.2' veinlet 70° to core, fine disseminated sphalerite, pyrite and galena
58.2	Few grains of disseminated sulfide
84.5	0.1' sparse disseminated grains of sphalerite and galena
87.2	Few grains of disseminated sulfides
150 - 157	Few thin veinlets and minor grains of disseminated sulfides

Hole No. 2

Bearing: S. 27° W. Inclination: -68° Length: 214 feet

Rock type: mostly latite

Footage	Description
54.0	1/8" stringer of quartz and galena

Hole No. 3

Bearing: S. 70° W. Inclination: -30° Length: 183 feet

Rock type: mostly latite

Hole No. 3 --continued

Footage	Description
101.5	0.1' minor spots of limonite and malachite
148	1/2" quartz stringer
154.6 - 155.6	1.0' zone of sparse disseminated sulfide
155.7	0.2' stringer containing fair pyrite and galena and some sphalerite

Hole No. 4

Bearing: Inclination: Proposed length: 300-350 feet
Completed: 52 feet

Rock type: mostly latite

Footage	Description
31.9	Some grains of disseminated pyrite and galena
34.2 - 36.2	4.0' in part silicified, few grains of disseminated sulfides
37.0	0.1' stringer containing fair galena and sphalerite
37.0 - 42.0	Few sparse grains of disseminated sulfides
49.5 - 52.2	Very sparse disseminated sulfides

APPLICANT'S PROPOSAL AND CONCLUSION

The applicant requests assistance for 2000 feet of additional drilling on the property. The application does not, however, contain a specific proposal as to where these holes are to be drilled. At the time of the examination the applicant's representative was not sure in the light of the results of the drilling thus far completed if further exploration was warranted and if it was what type of program would be best. It was agreed that it would be best to wait until the last drill hole was completed and the cores assayed before further exploration plans were considered. I, therefore, requested that the results of the assays of the core samples be sent to DMEA when available along with a definite exploration proposal if the applicant and his representative considered further exploration warranted. We have not, however, received any word from the applicant.

In the light of the assay results of the samples taken from the narrow veins and veinlets during the examination and considering

that inspection of the core revealed no significant ore structures, and that there is little likelihood of cutting a significant ore structure in the hole remaining to be completed at the time of the examination it is believed that the assay data from the drill cores and the drilling of the last hole will not materially alter the conclusion that the property lacks promise as a prospect. It is therefore recommended that the application be denied.

Attachment 1

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
Docket
Quinlan

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

December 30, 1955

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

Re: Docket No. DMEA 4036 (Zinc-Lead-Copper)
Robert Alameda
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of a Field Examination Report by James J. Quinlan, Geologist, evaluating the application of Robert Alameda for exploration assistance on the Chief Joseph property in Stevens County, Washington. Also enclosed are four copies of a supplement to the Field Examination Report reporting the assay results of core samples from a small drilling project being conducted at the time of the field examination. The assay results of these samples were not available when the original field report was prepared.

The veins and veinlets on the Chief Joseph property are too narrow and of insufficient grade to be of any possible economic interest. Therefore, the Field Team concurs with Mr. Quinlan's recommendation that the application be denied.

By Field Team, Region I, NW Dist.

A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing O. Agnew, Member
U. S. Bureau of Mines

Enclosures as indicated

cc: USBM (2)
USGS (SRO)
Quinlan

Reviewed by
DMEA OPERATING COMMITTEE
11/8/56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

December 30, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: James J. Quinlan, Geologist, U. S. Geological Survey

Subject: Supplement to Field Examination Report of December 21, 1955, Docket No. DMEA-4036 (Zinc-Lead-Copper), Robert Alameda, Chief Joseph Mine, Stevens County, Washington

Since I prepared my Field Examination Report on the Chief Joseph property, Mr. Frank M. Paparich, Jr., has submitted the assay results of the core samples from D. D. H. Nos. 1 and 3. No core from D. D. H. No. 2 was assayed because only one insignificant structure was cut in the hole. The assay results from D. D. H. Nos. 1 and 3 are tabulated below:

Hole No.	Footage	Length	Au oz	Ag oz	Pb %	Zn %	Cu %
1	88'8" to 92'3"	3'7"	Tr	0.1	0.1	-	0.3
	112'0" to 119'0"	7'0"	Tr	0.1	0.3	0.9	No
2	No structure worth sampling was encountered						
3	137'7" to 138'6"	11"	Tr	0.1	No	Tr	No
	138'6" to 138'9"	3"	Tr	0.4	5.1	4.5	0.3
	138'9" to 141'6"	2'9"	No	0.1	No	No	No
	141'6" to 143'0"	1'6"	No	0.1	No	No	No

Mr. Paparich reports that the fourth hole, which was being drilled at the time of the field examination, was drilled to a depth of 378 feet. He reports that this hole cut several structures similar but no better than those encountered in D. D. H. Nos. 1 and 3. The core from this hole has not been assayed, but the applicant plans to do so at some future date.

The results of the assays from the core samples bear out what inspection of the core showed; that is, no significant ore structure was cut in any of the holes. The results of the assays of the core samples in no way alter the conclusion that the property lacks promise as a prospect and that the application should be denied.

Distribution:
DMEA (4) (Orig. + 3 cys.) Docket
USBM (2) Quinlan
USGS (SRO)

Reviewed by
DMEA OPERATING COMMITTEE

(date)

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

December 21, 1955

MEMORANDUM

To: DMEA Field Team, Region I, Northwest District

From: James J. Quinlan, Geologist, U. S. Geological Survey

Subject: Field Examination Report, Docket No. DMEA-4036 (Zinc-Lead-Copper), Robert Alameda, Chief Joseph Mine, Stevens County, Washington

INTRODUCTION AND SUMMARY

The Chief Joseph property was examined by the writer on November 8 and the morning of November 9, 1955. Mr. Frank Paparich, Sr., and Mr. Stephan Paparich assisted at various times during the examination. Diamond drill core from a small diamond drilling project being conducted at the property at the time of the examination was examined by the writer and the application discussed with Mr. Frank Paparich, Jr., the applicant's principal representative on the evening of November 9.

Narrow veins and veinlets containing small amounts of galena, sphalerite and chalcopyrite are exposed in volcanic rocks of the Rossland volcanic group on the property. Considering the narrow width of the veins and the low grade of the vein material indicated by samples taken during the examination, the property lacks promise as a lead-zinc-copper prospect.

At the time of the examination the last hole of a 4-hole drilling project was being completed. Although several narrow veins and veinlets, as well as some disseminated ore minerals, had been encountered in the holes completed, no significant ore-bearing structure had been found by the drilling. At the time of the examination the applicant had not as yet had the core from the holes assayed (no sludge samples were taken during the drilling project), but planned to do so in a week or so. The applicant's representative was therefore requested to submit the results of these assays to this office when they were available along with a definite exploration proposal if he and the applicant considered the results of drilling sufficiently encouraging to justify further exploration. As yet we have not heard from the applicant or his representative.

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

Undoubtedly, the assay data from the drill holes would be useful in evaluating the application but it is not essential considering that inspection of the core revealed no significant ore. Furthermore, it appears that there is little likelihood of cutting a significant ore structure in the drill hole which remained to be completed at the time of the examination. As we have not received the additional data requested of the applicant and inasmuch as it probably will not materially alter the conclusion that the property lacks promise as a prospect it appears that it would be best to process the application on the basis of available information.

RECOMMENDATIONS

It is recommended that Mr. Alameda's application for exploration assistance on the Chief Joseph property be denied.

APPLICANT

The applicant is Robert Alameda, 34 Sierra Drive, Salinas, California. Mr. Alameda is in a produce business in Salinas. He has no mining background and the diamond drilling project on the Chief Joseph property represents his first mining venture.

Present work on the property is under the direction of Mr. Frank M. Paparich, Jr., the applicant's brother-in-law. Mr. Paparich is regularly employed by the American Smelting and Refining Company as pit foreman at the Van Stone mine in Stevens County, Washington. Mr. Paparich is a practical miner with some knowledge and appreciation of engineering and geology and is qualified to direct the work. Because of his duties at the Van Stone mine he cannot follow work as closely as he would like and if additional work is to be done he stated that an engineer would have to be hired to supervise and direct it, although undoubtedly he will continue to look after his brother-in-law's interest.

LOCATION

The Chief Joseph property is about 10 miles northwest of Northport, Washington, and is within a mile of the Canadian border. It lies north of the American Fork of Big Sheep Creek, a small tributary of the Columbia River, and is within sec. 3, T. 40 N., R. 38 E., W. M., Stevens County, Washington.

From Northport the property is reached by following the County and Forest Service road leading up Big Sheep Creek and the American Fork of Big Sheep Creek for about 12 miles to its junction with the road leading to the property. It is about 2½ miles from the Big Sheep Creek road to the property.

PROPERTY

The property consists of five unpatented quartz lode mining claims: the Babe Ruth, Babe Ruth No. 2, Ann, Lucky Strike and Chief Joseph claims. The claims are reported to be recorded on pages 375, 377, 379, 445 and 447 of Book 19 of the records of unpatented lode claims of Stevens County, Washington.

The claims are owned by Frank M. Paparich, Sr., Stephan L. Paparich, Frank M. Paparich, Jr., William J. Laird and Charles Laird, all of Northport, Washington, and are leased to the applicant. The application contains an unsigned copy of the lease agreement and option agreement between the owners and the applicant. The lease agreement allows the applicant only 120 days from the date of the lease, September 1955, plus a 60-day grace period to exercise his purchase option. Although we do not know the applicant's intention in this regard, it may well be that he will not want to exercise the option because of the negative results of the small drilling program.

The principal workings consist of three adits, a shallow shaft and a number of pits. These workings are shown on the map accompanying this memorandum. The lower adit is 109 feet long, the West Upper adit is 10 feet long, and the east adit is 30 feet long. The shallow shaft is now filled with water but the applicant reports it to be 50 feet deep.

GEOLOGY

The Chief Joseph property is principally underlain by andesites and latites which are a part of the Rossland volcanic group. Rocks of the Rossland volcanic group are believed to range in age from Carboniferous to Triassic.

Several narrow veins and veinlets containing small amounts of pyrite, galena, sphalerite and chalcopyrite are exposed in the workings on the property.

The old shaft, which is now filled with water, was sunk on a structure which apparently strikes N. 25° - 35° W. and dips steeply southwest. This structure is best exposed in a pit 30 feet northwest of the shaft. Where exposed in this pit the structure consists of a shear zone of black andesitic material 1.4 feet wide. The hanging wall of this shear contains sparse amounts of disseminated pyrite and galena. A sample across the shear showed only traces in gold, silver, lead, zinc and copper. A sample of the disseminated zone in the hanging wall of the shear, 1.7 feet wide, assayed trace gold, 0.4 ounce silver, 0.2 percent lead, trace zinc, and 0.02 percent copper. A grab sample from a sorted pile of vein material on the dump of the shaft assayed a trace gold, 1.0 ounce silver, 1.1 percent lead, 1.1 percent zinc and 0.29 percent copper.

A narrow vein which strikes N. 65° W. and dips 75° to 85° SW. is exposed in the East Upper adit and pit immediately to the northwest. This vein consists of a weak shear about 1.0 foot wide with sparse amounts of disseminated sulfide in the footwall. An 18-foot raise was driven on this structure from the East Upper adit to the surface at a place where the structure is crossed by a zone of weak shearing. Evidently the vein must have appeared strongest where cut by this zone of weak shearing. Samples from this structure are shown on the attached map and are tabulated below:

Sample No.	Width (ft.)	Oz Au	Oz Ag	% Pb	% Zn	% Cu	Description
4	1.0	Tr	1.6	1.9	1.3	0.19	Vein exposed in pit
5	2.1	Tr	Tr	0.4	0.2	Tr	FW of vein exposed in pit
9	1.7	Tr	Tr	Tr	Tr	0.2	HW of vein exposed at face of adit
10	1.0	Tr	0.4	0.2	0.4	Tr	Vein exposed at face of adit
11	4.5	Tr	Tr	0.25	0.3	Tr	FW of vein exposed at face of adit

A narrow vein which ranges in width from several inches to 1.7 feet is exposed in the West Upper adit and pit to the northwest. This vein appears to be controlled by several sets of northwestward-striking joints. These joints dip steeply in either direction, i.e., toward northeast or southwest. The vein follows for short distances along one joint and then another of these joint sets. Samples taken from this vein are shown on the attached map and are tabulated below:

Sample No.	Width (ft.)	Oz Au	Oz Ag	% Pb	% Zn	% Cu	Description
6	1.7	Tr	1.2	1.6	0.5	0.07	Vein exposed in pit
7	3.8	Tr	Tr	0.15	Tr	Tr	HW of vein exposed in pit
8	4.6	Tr	2.2	2.4	1.5	0.16	Vein and FW zone of diss. ore minerals at face of West Upper adit

Several narrow veinlets are exposed in the Lower adit about 90 feet from the portal. These veinlets strike N. 65° W. and dip about 60° NE. The largest veinlet is from 1 to 6 inches wide. In the footwall of this veinlet are several other thinner veinlets as well as some minor disseminated ore minerals. Samples taken in the vicinity of this veinlet are shown on the attached map and are tabulated below:

Sample No.	Width (ft.)	Oz. Au	Oz. Ag	% Pb	% Zn	% Cu	Description
12	0.3	Tr	1.7	2.3	4.3	0.24	Principal veinlet
13	1.0	Tr	Tr	Tr	0.1	0.02	HW of principal veinlet
14	3.0	Tr	0.6	1.05	0.6	Tr	FW of principal veinlet

The diamond drilling program undertaken by the applicant is designed to test the veins and veinlets previously described. The location of the three holes completed as well as the last hole being drilled at the time of the examination are shown on the attached map. Holes Nos. 1 and 2 were planned to test the veins and veinlets exposed in the adit workings at depth and down dip from known exposures. Hole No. 3 was planned to test these same structures at depth but northwest of the exposures in the adit workings. Hole No. 4, the hole being drilled at the time of the examination, is planned to test these same structures at depth southeast of the adit workings as well as the structure exposed in the old shaft. None of the holes completed at the time of the examination had cut any significant ore structure. Tabulated below is a brief description of the mineral-bearing structures cut in the holes.

Hole No. 1

Bearing: S. 30° W. Inclination: -32° Length: 158.7 feet

Rock type: mostly latite, some andesite

Footage	Description
29.5	0.1' stringers and disseminated grains of pyrite and galena
44.8	1/8" stringer of quartz and galena, few disseminated grains of pyrite and galena
46.6	1/4" zone of disseminated grains of pyrite and galena

Hole No. 1--continued

Footage	Description
46.9	0.3' zone containing some grains of disseminated pyrite and galena
48.1	1/8" stringer of pyrite and galena, few disseminated grains of sulfides to 51.3'
51.3	Small pods of pyrite
51.8	Few grains of galena
53.9	1/2" x 3/4" lens of galena, pyrite and chalcopyrite
56.1	0.2' veinlet 70° to core, fine disseminated sphalerite, pyrite and galena
58.2	Few grains of disseminated sulfide
84.5	0.1' sparse disseminated grains of sphalerite and galena
87.2	Few grains of disseminated sulfides
150 - 157	Few thin veinlets and minor grains of disseminated sulfides

Hole No. 2

Bearing: S. 27° W. Inclination: -68° Length: 214 feet

Rock type: mostly latite

Footage	Description
54.0	1/8" stringer of quartz and galena

Hole No. 3

Bearing: S. 70° W. Inclination: -30° Length: 183 feet

Rock type: mostly latite

Hole No. 3 --continued

Footage	Description
101.5	0.1' minor spots of limonite and malachite
148	1/2" quartz stringer
154.6 - 155.6	1.0' zone of sparse disseminated sulfide
155.7	0.2' stringer containing fair pyrite and galena and some sphalerite

Hole No. 4

Bearing: Inclination: Proposed length: 300-350 feet
Completed: 52 feet

Rock type: mostly latite

Footage	Description
31.9	Some grains of disseminated pyrite and galena
34.2 - 36.2	4.0' in part silicified, few grains of disseminated sulfides
37.0	0.1' stringer containing fair galena and sphalerite
37.0 - 42.0	Few sparse grains of disseminated sulfides
49.5 - 52.2	Very sparse disseminated sulfides

APPLICANT'S PROPOSAL AND CONCLUSION

The applicant requests assistance for 2000 feet of additional drilling on the property. The application does not, however, contain a specific proposal as to where these holes are to be drilled. At the time of the examination the applicant's representative was not sure in the light of the results of the drilling thus far completed if further exploration was warranted and if it was what type of program would be best. It was agreed that it would be best to wait until the last drill hole was completed and the cores assayed before further exploration plans were considered. I, therefore, requested that the results of the assays of the core samples be sent to DMEA when available along with a definite exploration proposal if the applicant and his representative considered further exploration warranted. We have not, however, received any word from the applicant.

In the light of the assay results of the samples taken from the narrow veins and veinlets during the examination and considering

that inspection of the core revealed no significant ore structures, and that there is little likelihood of cutting a significant ore structure in the hole remaining to be completed at the time of the examination it is believed that the assay data from the drill cores and the drilling of the last hole will not materially alter the conclusion that the property lacks promise as a prospect. It is therefore recommended that the application be denied.

Attachment 1

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
Docket
Quinlan

File Copy
Surname

J. All
Surname
Selfridge
GJ Johnson

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

NOV - 4 1955

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

Re: Docket No. DMEA-4036 (Zinc-Lead-Copper)
Robert Alameda
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Weissenborn:

A review of the cited application of which you have retained a copy, indicates that there is much lacking in this application and that it will need a complete study by the Field Team.

In your letter of October 24, you stated that you would schedule an examination as soon as possible. Therefore we will hold this application in abeyance until we receive your recommendations.

Enclosed are copies of memorandums, dated October 31 and November 2, 1955, by O. M. Bishop, USBM, and N. E. Nelson, USGS, respectively, giving their recommendations.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JWB)

Enclosures

APPROVED:

/s/ Robert W. Graham (JWB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JWB)
Member, Geological Survey

JWAlt/er 11/4/55
Copies to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

R.C.B.

File Copy
Surname

J. Alt
Grimmel
Geehan
Kilgaard
Selfridge

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

NOV - 4 1955

Mr. Robert Alameda
34 Sierra Drive
Salinas, California

Re: Docket No. DMEA-4036 (Zinc-Lead-Copper)
Robert Alameda
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Alameda:

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

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

The Regional Office will contact you at an early date as to when an examination is to be made. Any assistance that you may give the Field Team during the examination will be appreciated.

Sincerely yours,

JWAlt/er 11/4/55
Copies to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, NW Dist. (2)
Chron.

Frank E. Johnson
ACTING Administrator

RCS.

IN REPLY REFER TO:

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

November 2, 1955

RECEIVED
NOV - 2 1955

Re: DMEA 4036
Robert Alameda
Chief Joseph Mine
Stevens Co., Washington
$11,732.50 - Zinc, Lead, Copper

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

An examination of this prospect has been scheduled and referral is a formality.

If the one analysis given is that of typical material the prospect lacks promise in view of the narrowness of the vein.

By November 8, the date set for the examination, the initial diamond drilling may have been finished and information useful in an appraisal obtained.

I will await a Field Team report.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
NOV 3 1955

November 2, 1955

Re: DMEA 4036
Robert Alamada
Chief Joseph Mine
Stevens Co., Washington
$11,732.50 - Zinc, Lead, Copper

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

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If the one analysis given is that of typical material the prospect lacks promise in view of the narrowness of the vein.

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I will await a Field Team report.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-11/2/55

cc: 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.

October 31, 1955 alt

Re: DMEA-4036
(Pb-Zn-Cu; $11,732.50)
Robert Alameda
Salinas, California
Chief Joseph Mine
Stevens County, Washington

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of Application dated October 13, 1955, received October 27, 1955

I have reviewed the application together with the lease-option agreement which allows the lessee but 120 days from the date of the lease to exercise his purchase option plus a 60 day grace period.

Although the applicant shows that prospecting near the surface has exposed lead, zinc and copper mineralization up to 18 inches in width, there is no evidence whatever to permit evaluation of such mineralization at the surface, nor yet the liklihood of continuity or improvement at some depth.

I recommend that the application be referred to the field team for field examination.

O. M. Bishop
O. M. Bishop

Copy to - Division of Minerals
Mr. Kilsgaard, Room 5222
O. M. Bishop
Files

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

October 31, 1955

Re: DMEA-4036
(Pb-Zn-Cu; $11,732.50)
Robert Alameda
Salinas, California
Chief Joseph Mine
Stevens County, Washington

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of Application dated October 13, 1955, received October 27, 1955

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Although the applicant shows that prospecting near the surface has exposed lead, zinc and copper mineralization up to 18 inches in width, there is no evidence whatever to permit evaluation of such mineralization at the surface, nor yet the liklihood of continuity or improvement at some depth.

I recommend that the application be referred to the field team for field examination.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kilsgaard, Room 5222
O. M. Bishop
Files

Subject: DMEA-4036
Re: Chief Joseph Mine

Robert Alameda
34 Sierra Drive
Salinas, California

October 27, 1955

Dear Sir:

The receipt of your application dated October 13, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4036 and referred to the Base Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

October 27, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region I (NW)

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region I (NW).

DMEA-DMEA-4036

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

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

RECEIVED
OCT 27 1955

October 24, 1955

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

Re: New Application (zinc, lead and copper)
Robert Alameda
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Selfridge:

Enclosed are three copies of an application submitted by Robert Alameda on the Chief Joseph prospect, Stevens County, Washington.

We have no information in our files about this prospect. An examination will be scheduled as soon as possible. If a favorable recommendation results, a valid copy of the lease and consent to lien will be obtained.

Sincerely yours,

Verne C. Fryklund, Jr.

Verne C. Fryklund, Jr.
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

Enclosures

cc: USBM (2)
Kellum

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

RECEIVED
OCT 27 1955

October 24, 1955

Mr. Robert Alameda
34 Sierra Drive
Salinas, California

Re: New Application
(zinc, lead and copper)
Chief Joseph Mine
Stevens County, Washington

Dear Mr. Alameda:

We plan to examine the Chief Joseph prospect on November 8, 1955. Our field geologist will meet you or your representative on that date at the Northport Post Office.

If for any reason you are unable to keep this appointment, please let us know immediately.

Sincerely yours,

James J. Quinlan
For: A. R. Weissenborn
Executive Officer, DMEA
Field Team, Region I, NW District

cc: DMEA (2)
[illegible] (2)
Quinlan

TELEPHONE ~~XXXXX~~
20460

LAW OFFICES
JOSEPH W. ROBB, JR.
P. O. BOX 696
SALINAS, CALIFORNIA

RECEIVED
OCT 27 1955

October 13, 1955

DMEA

Defense Minerals Exploration Administration
South 157 Howard Street
Spokane 4, Washington

Gentlemen:

You will find enclosed herewith original and three copies of an Application for Aid in the exploration of a zinc & copper mine, together with the necessary exhibits.

We would appreciate your assistance in processing this Application as soon as possible because of the extremely restricted time allowed the applicant under his agreement with the landowners. If I can furnish you with any further information or be of help in any way, please do not hesitate to get in touch with me or telephone me at my expense.

Very truly yours,

JOSEPH W. ROBB, JR.

JWRJr:pa
Encl.

OCT 1955
SPOKANE, WASH.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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OCT 27 1955

RECEIVED
OCT 21 1955
U. S. G. S.
SPOKANE, WASH.

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. 4036
Metal or Mineral Lead Zinc Copper
Date Received
Estimated Cost 11,732.50
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: Robert Alameda, 34 Sierra Drive, Salinas, California

(*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

See Exhibit 3

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

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

(*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

(*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. See Exhibit 4

(*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 See Exhibit 5

(*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 ..... days and be completed within ..... 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: Exhibit 6

(*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)? Exhibit 7

(*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 October 13, 1955

(Applicant)

By Robert Alameda

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

EXHIBIT 3

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a. Northwest Quarter (NW 1/4), Section 3, Township 40N, Range 38E, 14M. of the North port Mining District, Stevens County, State of Washington.

b. Chief Joseph

c. Lessee, with option to purchase.

d. See attached copy of Lease and Option.

e. - - - - - - -

f. Book of Quartz 19, Page 375 - Babe Ruth Claim

Book of Quartz 19, Page 447 - Babe Ruth #2 Claim

Book of Quartz 19, Page 445 - Ann Claim

Book of Quartz 19, Page 379 - Lucky Strike Claim

Book of Quartz 19, Page 377 - Chief Joseph Claim

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LEASE AND OPTION

****

This Agreement made and entered into this _____ day of September, 1955, by and between Frank M. Paparich, Sr., Stephan L. Paparich, Frank M. Paparich, Jr., Wm. J. Laird, and Charles Laird, all of Northport, Washington, hereinafter referred to as the Lessors, and Robert Alameda, of Salinas, California, hereinafter referred to as the Lessee, WITNESSETH:

That the Lessors, for and in consideration of $10.00 in hand paid, by the Lessee, which amount the Lessors hereby receipt for, and the mutual covenants and conditions herein contained, do hereby lease and demise unto the Lessee, the following described unpatented mining claims situated in the Northport Mining District of Stevens County, State of Washington, to-wit:

Name of Claim	Staked or Located	Recorded
Chief Joseph, Section _____, Township_____ N., R._____ E.W.M.	August 27, 1948	Sept. 3, 1948
Lucky Strike, Section _____, Township _____ N., R._____ E.W.M.	August 12, 1948	Sept. 3, 1948
Babe Ruth, Section _____, Township ____ N., R. _____ E.W.M.	August 26, 1948	Sept. 3, 1948
Ann, Section ____, Township _____ N., R._____ E.W.M.	May 24, 1948	July 28, 1948
Babe Ruth #2, Section _____, Township _____ N., R. _____ E.W.M.	June 8, 1948	July 28, 1948

together with all ore and minerals therein, and lodes and veins with their dips, spurs, angles and variations.

In further consideration of said leasing, it is agreed between the parties as follows:

1. That the Lessee shall have 120 days from and after the date of the execution of this agreement to prospect and explore said mining claims, and shall, if any diamond drilling is performed on said claims, furnish the Lessors with a copy of the log of all drilling as the same progresses.

2. That at the expiration of said 120 days, the Lessee shall notify the Lessors in writing if he intends to exercise the option to purchase said property as hereinafter provided, and should the Lessee fail to notify said Lessors of his election to exercise said option, said failure shall constitute a forfeiture of this agreement and the Lessee shall have no further rights under this said agreement.

3. That the Lessee shall have an option to purchase the above

described mining claims for the agreed consideration of Fifty-Thousand and no/100 Dollars ($50,000.00), which option to purchase shall be exercised as above provided.

4. That if the Lessee exercises the option to purchase as hereinabove provided, the purchase price of $50,000.00 shall be paid as follows: $7500.00 in cash upon the Lessee's exercising the option as above provided, and the balance of $42,500.00 shall be paid in six equal annual installments, the first of which installments shall be paid on or before one year from the date of the exercising of said option, and annually thereafter, except that it is understood and agreed that if the Lessee shall actively mine said property during the time there is any sum owing to the Lessors, he shall pay to the Lessors, 10% of the net smelter returns received from all ores mined from said claims, all of which sums shall be applied on the purchase price hereinabove set forth. Net smelter returns for the purposes of this agreement shall mean, the gross returns from the ores taken from said property received by the Seller of the same from the smelter or other purchasing agent, after the charges of transportation and treatment have been deducted, it being understood that if the concentrate or product is shipped by truck, that it shall be at competitive rates, and the cost of reduction or milling and mining by the Lessee shall not be considered a cost, and the smelter or other purchasing agent purchasing said ores or concentrates shall be furnished a copy of this agreement and shall deduct the amount due the Lessors and remit the same to the Colville Branch of the Seattle First National Bank, Colville, Washington, on behalf of said Lessors. It being understood and agreed between the parties that the minimum payment which the Lessee may make under the terms of this agreement shall be $7,083.33 in any one year after the option to purchase is exercised and he shall pay whichever amount is greater, that is to say, 10% of the net smelter returns or $7,083.33.

5. That if the Lessee actively mines said property that he shall do so in a good minerlike manner consistent with the accepted practices in the locality.

6. That the Lessee shall pay all payroll taxes which may be assessed by the United States Government or the State of Washington, and shall not allow the same to become delinquent, nor shall he permit any liens or encumbrances to accrue as to said property while there remains any sums due and owing the Lessors.

7. That the Lessors shall have access to the books and records of the Lessee at all reasonable times and places and that the Lessors shall have access to the property for purposes of inspection.

8. That it is understood and agreed between the parties that the rights of the Lessee under the terms of this agreement are transferable and assignable, in whole or in part, without the consent of the Lessors.

9. That the Lessee may have the right to erect upon said premises such buildings and/or structures, and to install such machinery or equipment as may be necessary or advisable in carrying on the operation contemplated in this agreement. It is agreed that title to any and all machinery, equipment, buildings and or structures placed upon the premises for or by the Lessee shall be and remain in said Lessee at all times, and in the event of a termination of this agreement for any reason, all of said property may be removed from said premises by the Lessee at any time within 90 days after said termination. Provided however, that there are no sum or sums due the said Lessors.

10. That the Lessee may terminate this agreement upon giving to the Lessors written notice of said election to terminate and upon the expiration of thirty days may remove the machinery as hereinabove provided and all payments heretofore made to the Lessors shall be retained by said Lessors as liquidated damages.

11. That the Lesse shall perform the annual assessment work on said mining claims as required by law and shall perform the same before June 1st of each year that this agreement is in force, and shall furnish the Lessors a certified copy of the Proof of Labor by the 1st of June of each year, and in the event the said Lessee shall not perform said assessment work, then the Lessors may go upon the property and perform the same and the Lessee shall have thirty days in which to pay the Lessors for said work, and in the event they fail to pay said sums so due, said failure shall constitute a forfeiture of this agreement.

Time is of the essence of this agreement, and in the event the Lessee shall fail to perform any of the terms or conditions or covenants herein contained the Lessors may declare a forfeiture of this agreement upon giving the Lessee notice in writing of the deficiencies complained of , and the Lessee shall have sixty days in which to correct said deficiencies and if the same has not been corrected within said sixty day period, the Lessors may re-enter upon the property and the Lessee shall have no further rights hereunder and all sums heretofore paid to the Lessors shall be retained by them as liquidated damages.

This agreement shall be binding upon and inure to the benefit of the heirs, executors, administrators, and assigns of the parties hereto.

In Witness Whereof, the parties hereto have hereunto set their hands, the day, month and year first above written.

/S/ Frank M. Paparich, Sr.
Frank M. Paparich, Sr., Lessor

/s/ Frank M. Paparich, Jr.
Frank M. Paparich, Jr., Lessor

/s/ Stephen L. Paparich
Stephan L. Paparich, Lessor

/s/ ~~XXX~~ Wm. J. Laird
Wm. J. Laird, Lessor

/s/ Charles Laird
Charles Laird, Lessor

/s/ Robert Alameda
Robert Alameda, Lessee

STATE OF CALIFORNIA)
: ss.
County of Monterey)

On this 23rd day of September, 1955, before me, a Notary Public, personally appeared, Robert Alameda, known to me to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same.

/s/ La Verne Lorentzen
Notary Public in and for said
County and State
My Commission Expires August 3, 1958

STATE OF WASHINGTON)
: ss.
County of Stevens)

On this 14th day of September, 1955, before me, a Notary Public, personally appeared Frank M. Paparich, Sr.; Frank M. Paparich, Jr.; Stephan L. Paparich; Wm. J. Laird, and Charles Laird, known to be to be the persons whose names are subscribed to the within instrument, and acknowledged that they executed the same.

/s/ R bert A. Rukke
Notary Public in and for said
County and State

EXHIBIT 4

a. Work on the property consists of four surface cuts and two tunnels, all accessible, and a 50-foot deep inclined shaft now partly filled with water and not accessible. The lower tunnel at an elevation of 2950 feet is 109 feet long and the upper tunnel, 23 feet higher, is 21 feet long. All development work so far completed has exposed mineralization at or near the surface.

b. There has been no production to date. We are planning to do diamond drilling to establish grade and tonnage at depth.

c. Rocks exposed in the vicinity of the mine are meta-rhyolites and meta-andesites of the Rossland Volcanic group. The meta-andesites are locally pyritized, silicified, and broken by slips and faults.

On the mine property a fracture zone trending northwesterly has been mineralized with Zn, Pb, Ag, Cu and Au, along some of the stronger fracture planes. One main vein from 6 inches to 18 inches in width, and 3 smaller subsidiary veins from 6 inches to 12 inches in width have been exposed by surface trenching and tunneling. They strike in a northwesterly direction and dip steeply to the southwest. These mineralized zones are of the fissure replacement type with mineralization concentrated in the footwall area and scattered replacement in the hanging wall area.

The main vein is the most promising mineralized zone. It has been exposed by 4 open cuts for a strike length of about 700 feet. It trends about N. 45° W. dips 80° to the southwest and has been mineralized with Zn, Pb, Ag, Cu and Au, over a width of from 6 inches to 18 inches. The diamond drilling that has been proposed for the property is designed to verify the continuity of this vein at depth.

Three smaller subsidiary veins have been exposed by a short tunnel, a 50-foot shaft, and an open cut. They vary in direction from N 45 W to east-west, dip from 80° to 75° to the southwest, and have been mineralized with Zn, Pb, and Ag and minor amounts of Cu, and Au in widths from 6inches to 12 inches. Diamond drilling has been laid out that in the course of proving the main vein these smaller subsidiary zones should be intercepted.

I wish to explore in order to try and establish a tonnage and grade sufficient to mine the ore.

See Plates 1, 2 and 3 attached hereto.

d. Access to the mine is by 13 miles of partly good, fair, and poor gravel road from Northport, Washington, a small town on both the Columbia River and the Nelson Branch of the Great Northern Railway. The road has few adverse grades and with maintenance and some grading it could serve as an all-weather road suitable for heavy hauling.

e. Minor mine supplies could be purchased in Northport, but the bulk of the supplies and replacements would have to be freighted in from Spokane, Washington, some 120 miles from Northport. The freight rates by either truck or rail are considered moderate.

Both experienced mine labor and adequate living accommodations exist in the town of Northport.

There is a plentiful supply of timber suitable for mining purposes on the property. A spring within the limits of the property, making approximately 250 gallons per minute, serves as the water source. Further trenching could probably increase this water supply considerably.

A power line would have to be carried in from Northport, 13 miles distant.

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EXHIBIT 6

a. Drilling

2000 ft. @ $4.50 per ft.	$ 9,000.00
AX Casing 150 ft. @ $1.50 per ft.	225.00
Remove casing 150 ft. @ 25¢ per ft.	37.50
Cementing drill holes $8.00 per hr. Approximately 40 hrs.	320.00
Mobilization to and from job	100.00
Total	$ 9,682.50

b. Supervision and Engineering

82 days @ $25.00 per day	$ 2,050.00

c, d, e, f, g & h ----------

11,732.50

EXHIBIT 7

a. Yes

b. The initial diamond drilling is being financed at my expense and I intend to furnish my share of the costs of any work undertaken under the terms of this contract by cash payments at the times required.

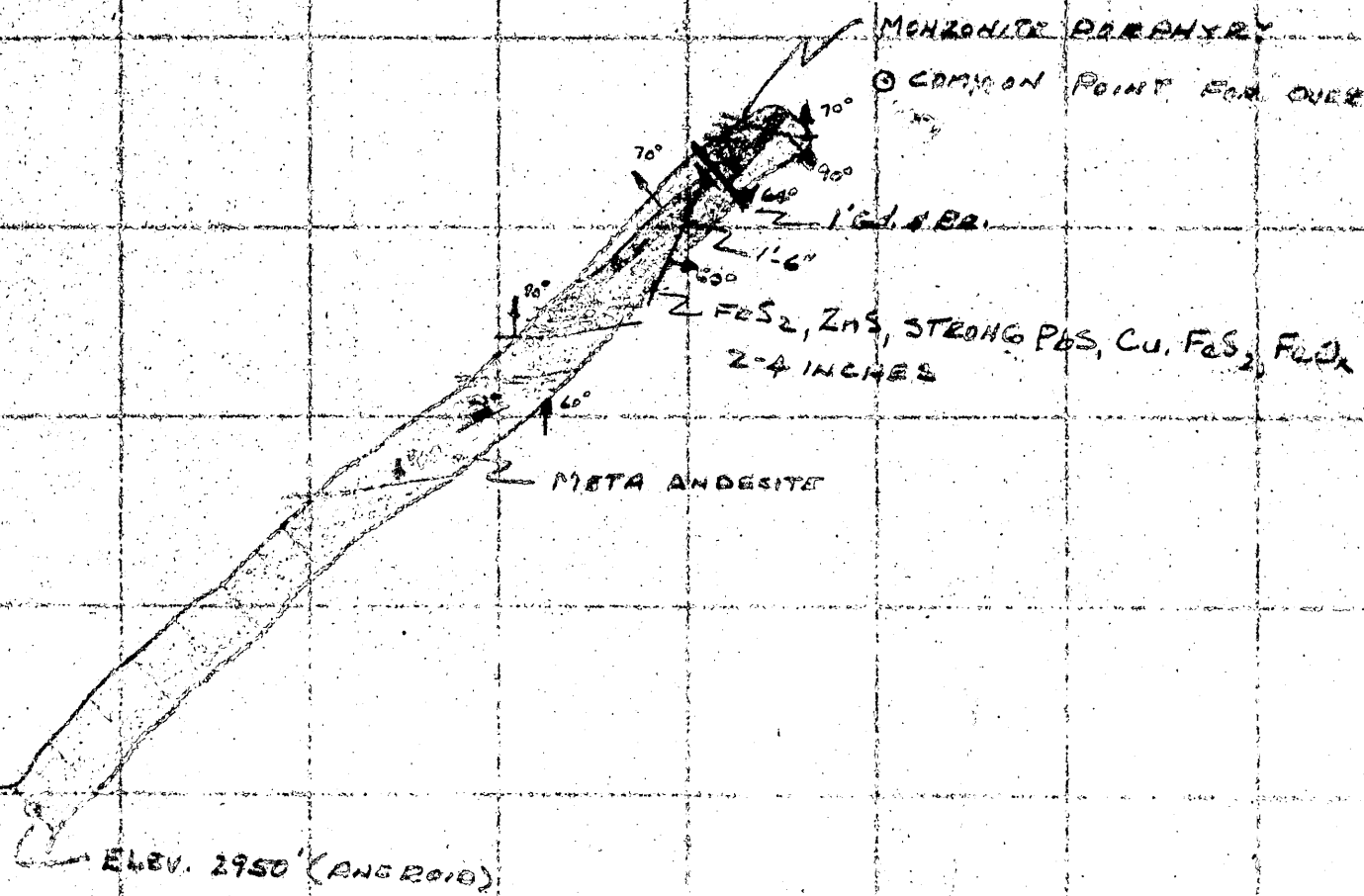
UNITED STATES
ARTMENT OF THE INTERIOR
BUREAU OF MINES
224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

OFFICIAL BUSINESS

Defense Minerals Exploration Admini
U. S. Dept. of the Interior
Interior Bldg.
Washington 25, D. C.

(1)

PLATE #1



MINE _____ LOCATION _____ LEVEL _____

GEOLOGY BY _____ SURVEY _____ SCALE 1" = 20' DATE _____

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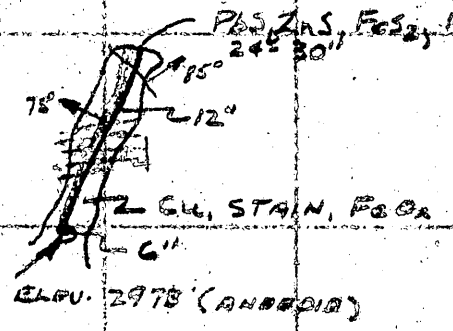
(2)

PLATE #2



MINE _____ LOCATION _____ LEVEL _____

GEOLOGY BY _____ SURVEY _____ SCALE 1" = 20' DATE _____

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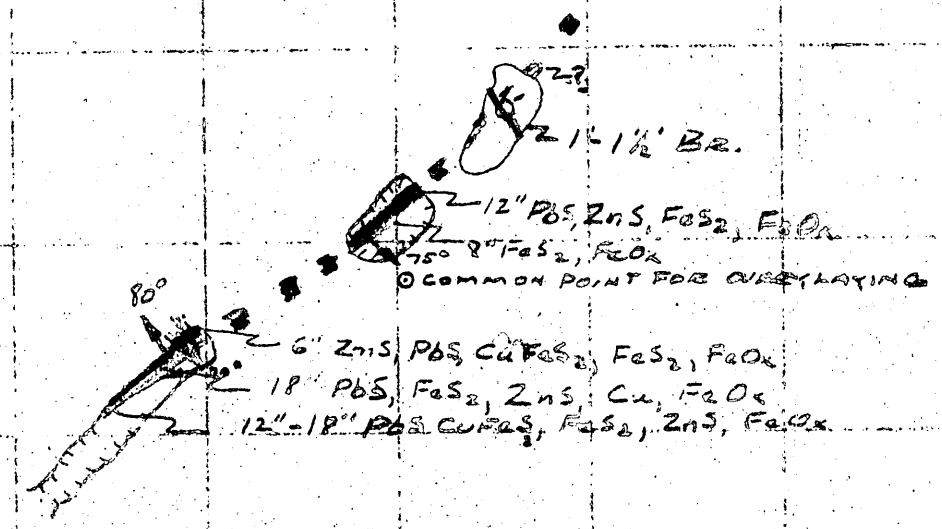
OCT 27 1955

PLATE #3

(3)



MINE _____ LOCATION _____ LEVEL _____

GEOLOGY BY _____ SURVEY _____ SCALE 1" = 2.0' DATE _____

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OCT 27 1950

EXHIBIT 5

a. Zn, Pb and Cu.

b. See plantes 1, 2 and 3 attached to Exhibit 4 and plates 4 and 5 attached hereto.

I want to diamond drill along the strike of the vein and try to prove it at depth as well as strike.

Drill holes #1 and #2 will be drilled from same set up, first one at -30°, second at -70°.

This is the only practical location to drill from due to terrain. The balance of the drilling will depend on what I find in the first 2 drill holes.

c. The initial diamond drilling work has commenced already and is being undertaken at my sole expense and must be completed on or before December 26, 1955, at which time I must execute my option to acquire the land herein described. It is my intention to exercise this option if the initial diamond drilling discloses any degree of sizeable mineralization and I propose to continue diamond drilling after the exercise of the option as soon as the weather permits. The work should start in the spring of 1956 and continue for an approximate period of 6 months thereafter and in my estimation it should terminate on or about October 15, 1956.

d. As far as my operating experience and background are concerned, this exploration represents my first attempt at a mining venture. However, I am working in close conjunction with my father-in-law, Frank M. Paparich, and my brother-in-law, Frank M. Paparich, Jr., both of whom have been engaged in various aspects of mine operations in this area during the whole of their lives. In addition thereto, I have retained Dr. Branner Newsom, Stanford University, Palo Alto, California, and Dr. Pierson, University of California, Berkely, California, on a consulting basis to work with me in planning methods for the ultimate production of the ore.

The initial and subsequent diamond drilling is and shall be conducted by a qualified mining engineer in the Stevens County area who has been selected by the aforesaid Frank M. Paparich, Jr., and is presently engaged in carrying out his duties under the supervision of the latter.

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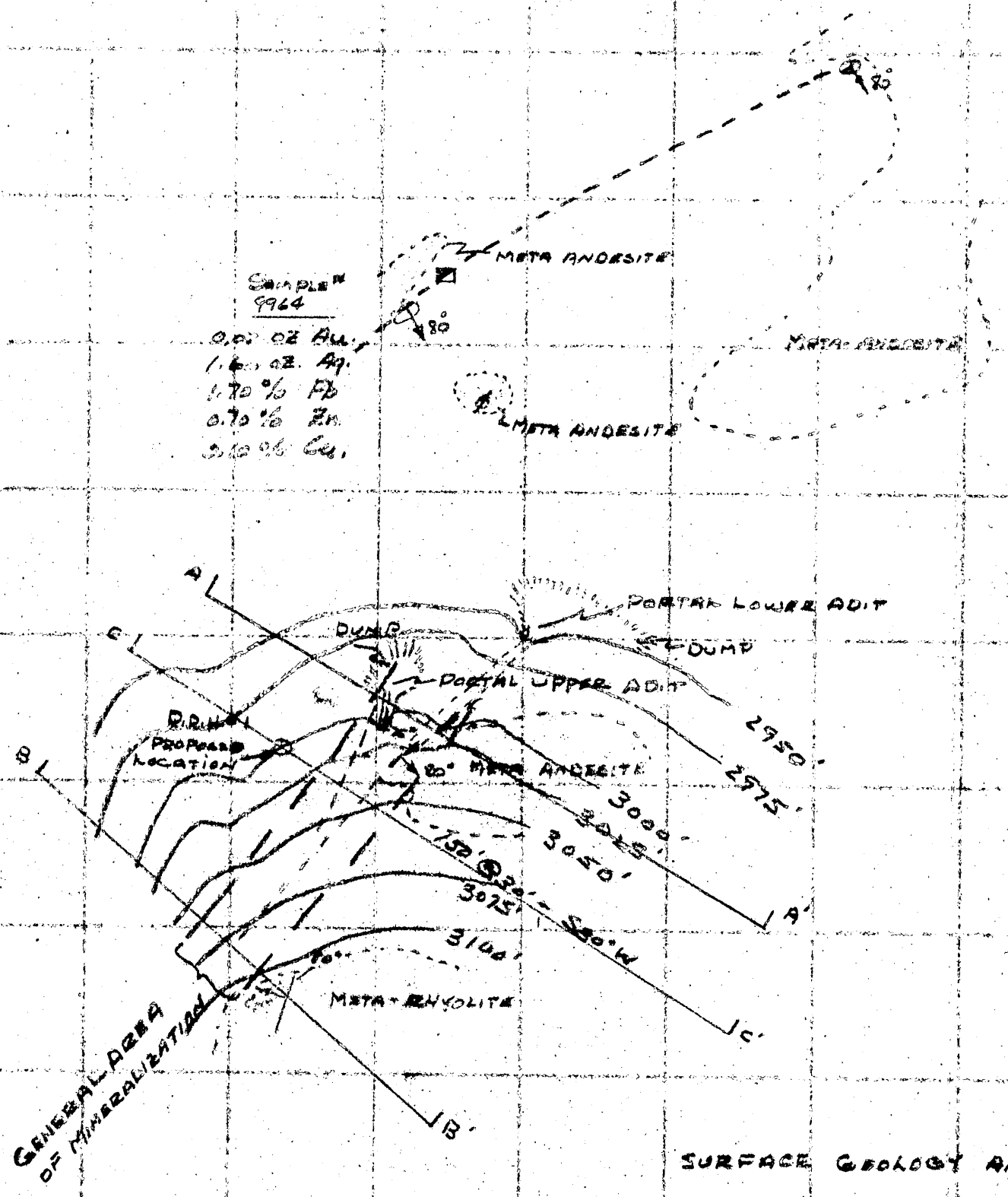
(4)

PLATE #4



SURFACE GEOLOGY AND
PROPOSED LOCATION OF
D.D.H. #1

MINE _____ LOCATION _____ LEVEL _____

GEOLOGY BY _____ SURVEY _____ SCALE 1" = 100' DATE _____

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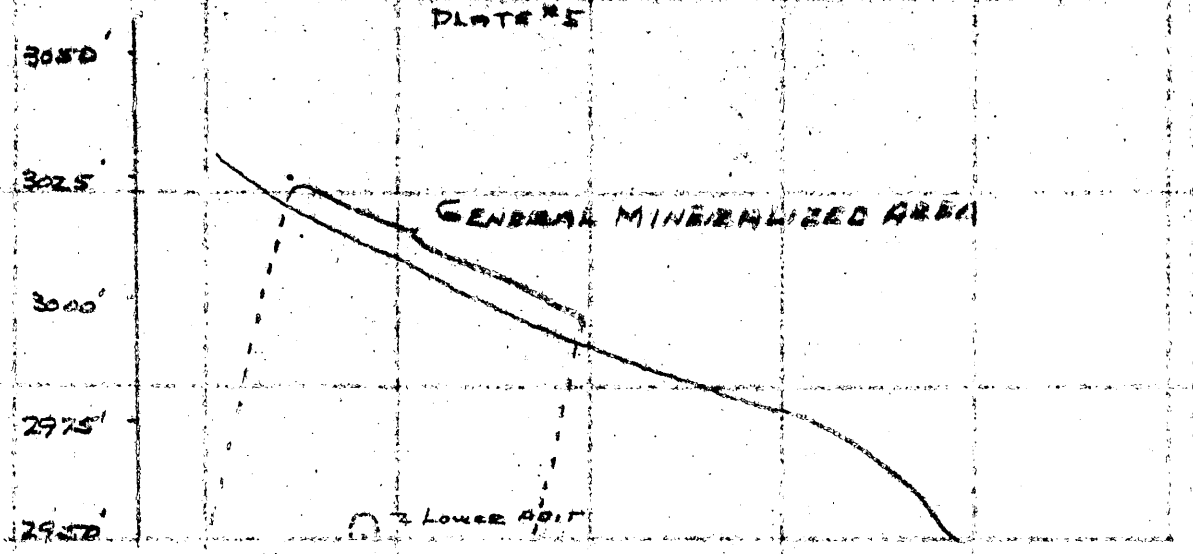
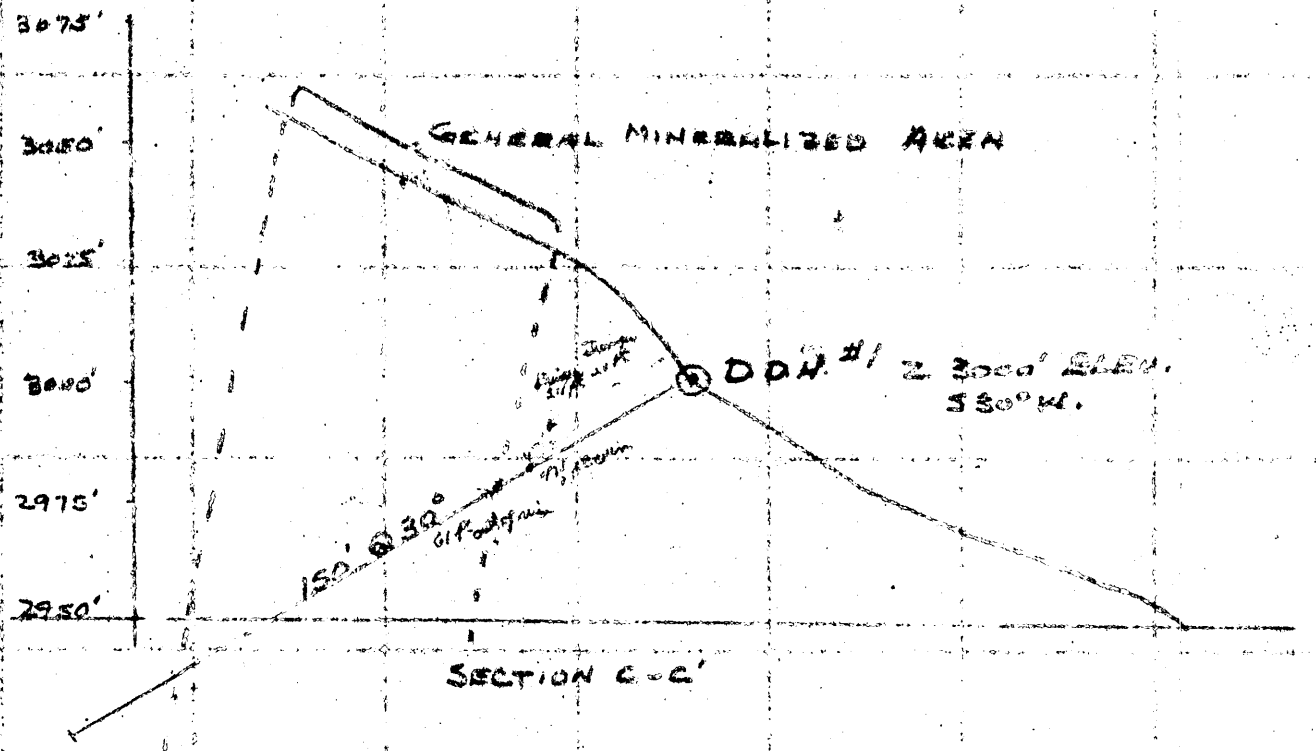
(5)

PLATE #5



SECTION A-A'



SECTION C-C'

PROPOSED LOCATION OF D.D.H. #1

MINE _____ LOCATION _____ LEVEL _____

GEOLOGY BY _____ SURVEY _____ SCALE 1" = 40' DATE _____

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