DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 3291

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Exploration Assistance

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1 cy to USBM & USGS

Routing Slip

To:	500	Date	3/25/54
To:	Oper Com	Date	3-31-54
To:	Oper Com	Date	5-21-54
To:	Oper Com	Date	8-20-54
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CONTROLLED DOCUMENT

File
Surname
J.W. Alt
Wisnowski
Lovaas
Hedges
Martin
Johnson

500

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

AUG 2 1954

Mr. Harold Lyke, President
Hidden Treasure Mines, Inc.
1601 South First Street
Yakima, Washington

Re: Docket No. DMEA-3291 (Copper-Uranium)
Hidden Treasure Mines, Inc.
Hidden Treasure Mines
Yakima County, Washington

Dear Mr. Lyke:

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 mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

JWAlt/bjl (8/18/54)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. C. H. Johnson
Mr. Gildersleeve
Region II (2)
Chron.

File Copy
Surname
J. W. Alt

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

August 18, 1954

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application DMEA-3291, Hidden Trasure Mines, Inc., Hidden Treasure Mines, Yakima, Washington (copper-uranium)

The above application was submitted to the Field Team of Region II on March 15, 1954, and was forwarded to this office and received on March 25, 1954. The applicant estimated that the work of the project would cost $117,793.00.

The Field Team examined the property on June 30 and July 1, 1954. As the Applicant reported the presence of uranium-bearing minerals on the claims, all outcrops along the road and the underground workings were examined using a scintillometer. At no place on the property did testing with a scintillometer indicate the presence of uranium ores.

All of the more promising appearing iron-stained shear zones along the road were sampled, and three samples were taken from the most favorable appearing areas in the underground workings. All these samples consistently assayed a trace of gold, 0.1 ounce o silver per ton, and between 0.1 and 0.2 per cent copper.

The field examiners found no feasible target for exploration on the property and further stated: "The results obtained on the DMEA examination indicate that there is very little probability that further work will find any better indications of ore than those exposed in the roadcuts along U. S. Highway 410."

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

JWAlt/bjl (8/18/54)

W. R. Griswold

Copy to: Docket
~~Admxxx Exx File~~
Base Metals
Chron.

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

August 18, 1954

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of Application DMEA-3291, Hidden Trasure Mines, Inc., Hidden Treasure Mines, Yakima, Washington (copper-uranium)

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The field examiners found no feasible target for exploration on the property and further stated: "The results obtained on the DMEA examination indicate that there is very little probability that further work will find any better indications of ore than those exposed in the roadcuts along U. S. Highway 410."

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

W. R. Griswold

W. R. Griswold

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

August 16, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3291 (Copper) Hidden Treasure mines, Yakima County, Washington

I have reviewed the Field Team report dated July 15, 1954 in the above-named application, and find that it amply supports the recommended denial of the application.

C. H. Johnson

C. H. Johnson

Copy to - Mr. Newcomb, Geological Survey
Minerals Division
C. H. Johnson
Files

IN REPLY REFER TO:

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

August 2, 1954

Re: DMEA-3291
Hidden Treasure Mine
Summit District
Yakima County, Wash.
$117,793 - Copper-Uranium

Memorandum

To: W. R. Griswold
Defense Minerals Exploration Administration

From: E. L. Newcomb
U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial

The applicant requested assistance for 800 feet of drifting and crosscutting, 8,750 feet of diamond drilling, and 48 hours of bulldozing.

The Field Team report recommends the project be denied.

Assays of samples taken by the Field Team in the adits on the No. 5 and No. 7 claims range between trace of gold, 0.1-0.2 ounce of silver, and 0.05-0.17 percent copper. Results of samples from the most promising shear zones at the surface gave comparable low values of gold, silver and copper. Sufficient work has been done at the surface and underground to indicate that further exploration is unlikely to find a significant amount of copper ore.

I concur with the Field Team and recommend this application be denied for copper and/or uranium exploration assistance.

E. L. Newcomb

E. L. Newcomb

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

Bureau of Mines Materials
RECEIVED
AUG 3 - 1954

August 2, 1954

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4640

From: H. D. Keiser, Bureau of Mines Member
Uranium Commodity Committee

Subject: DMEA Docket 3291 (copper-uranium), Hidden Treasure Mines, Inc., Yakima County, Washington

I have reviewed the subject report and have discussed it with Joseph O. Hosted, representative of the Atomic Energy Commission.

I concur with the recommendation of the Field Team that the application involved under the subject docket be denied.

The report has been forwarded to the Chief, Minerals Division, Bureau of Mines, in accord with the routing slip attached thereto.

H. D. Keiser

H. D. Keiser

I concur:
Andrew Berry, U.S.G.S.
for A. P. Butler Jr.
8-20-54

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

July 21, 1954

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

Re: Docket No. DMEA-3291 (copper-uranium)
Hidden Treasure Mines, Inc.
Yakima County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of an examination report on the cited docket, prepared by Willard P. Puffett, Geological Survey.

Mr. Puffett recommends that the application be denied and the Field Team concurs.

By Field Team, Region II

A. E. Weissenborn

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

Wing G. Agnew

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

Enclosure (in quad.)

cc: USBM (2)
Puffett

ACTION
DMEA OPERATING COMMITTEE
7-28-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

July 15, 1954

Memorandum

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Examination report, Docket No. DMEA 3291 (copper-uranium)
Hidden Treasure Mines, Inc., Yakima County, Washington

APPLICANT

Hidden Treasure Mines, Inc.
1601 South First Street
Yakima, Washington

SUMMARY

For a few miles east of Chinook Pass there are numerous shear zones exposed in the Lower Keechelus Andesite formation along U. S. Highway 410. Disseminated pyrite, ranging from 2 to 90 feet wide, occurs throughout the formation and along the fractures. Leaching by surface waters has resulted in copious quantities of brown iron stain. At least at one locality, sparse quantities of chalcopyrite occur, and here copper stain has coated the rock. Some float containing small but high-grade specimens of chalcopyrite has been found at one side of the highway, where it had been dumped during the excavation of the roadcut.

The applicant has staked numerous claims along the highway, and on the basis of assays received from selected high-grade samples has driven 235 feet of adit at one location and is planning quite an ambitious exploration and development program to explore deeper extensions of the iron-stained fracture zones.

All of the more promising appearing iron-stained shear zones along the road were sampled, and three samples were taken from the most favorable appearing areas in the underground workings. All those samples quite consistently assayed a trace gold, 0.1 ounce silver per ton, and between 0.1 and 0.2 percent copper.

Reviewed by
DMEA OPERATING COMMITTEE
7-28-54
(date)

As the applicant reported the presence of uranium-bearing minerals on the claim, all outcrops along the road and the underground workings were examined using a scintillometer. At no place on the property did testing with the scintillometer indicate the presence of uranium minerals.

The field examiners found no feasible target for exploration on the property.

RECOMMENDATION

It is recommended that the application be denied.

EXAMINATION

The Hidden Treasure Mines, Inc., property was examined on June 30 and July 1, 1954, by Paul L. Weis and Willard P. Furfett, geologists, Geological Survey. Mr. Harold Lyke, president of Hidden Treasure Mines, Inc., accompanied the examiners. Mr. Harold M. Harris, mine superintendent, and Mr. F. B. Satterlee, consulting geophysicist, were directing current operations at the property. About 12 men were employed at the mine at the time of the examination.

Mr. Harris directed the examiners to all the more promising outcrops and through the underground workings. All of these areas were tested with a scintillometer for the presence of uranium-bearing minerals, and samples were taken to be assayed for gold, silver, and copper. A sketch map of the workings on the No. 5 claim and a tape and compass traverse were made of the underground workings. The resulting maps and sketches accompany this report as figures 1 and 2.

A total of 10 hours was spent on the property by the DMEA examiners.

PROPERTY

The Hidden Treasure Mines, Inc., property comprises 21 unpatented mining claims in the Summit mining district, Yakima County, Washington. These claims have been located crossing and paralleling U. S. Highway 410, just east of Chinook Pass.

The eastern end of the property is at Morse Creek Bridge, 14 miles west of American River Lodge and about 60 miles west along Highway 410 from Yakima, Washington. The contiguous group of claims extends westward along the highway and along the Rainier Fork of the American River to 4.5 miles west of the Morse Creek Bridge.

During the winter months, when deep snows close the highway through Chinook Pass, public traffic is prohibited from going west of Morse Creek Bridge, but it is believed that access can be gained to the eastern mine workings 12 months in the year. Ordinarily, Chinook Pass is open to general traffic by Memorial Day, but this year the Pass did not get plowed out until the third week in June.

COMPETENCY OF THE APPLICANT

The applicant is apparently well financed to carry out an exploration and development program. The mine superintendent, Mr. Harris, reports that he has had many years' experience in mining and as a mill superintendent in Colorado and the southwest United States. The geologic report Mr. Harris submitted with the application is evidently the work of a typical practical miner and suggests that Mr Harris has had little formal education in geology. He is probably sufficiently competent to direct relatively simple exploration operations. Mr. Satterlee's geophysical report which accompanies the application contains no useful information concerning the property and suggests that Mr. Satterlee has made a gross misrepresentation to the applicant regarding his qualifications as a geophysical engineer.

PROPERTY RIGHTS

The 21 unpatented mining claims are held by right of location and are recorded in the Yakima County Courthouse, Yakima, Washington. These records were not checked by DMEA examiners.

DESCRIPTION OF PROPERTY

The 21 mining claims are on the south-facing slope bordering the Rainier Fork of the American River. Many of the claims have been staked along the river to insure water rights for mining operations. Relief in the area is about 2,500 feet. Brush and small timber cover many of the slopes, although in slide areas and along the highway, the bedrock is well exposed.

On Claim No. 5 there is an old adit, driven many years ago, with about 30 feet of workings. Just inside the portal of this adit is a shaft nearly 12 feet deep. On the day of the examination, an inclined diamond drill hole was being drilled to intersect an area about 100 feet below this adit. The diamond drill rig was set up just 10 feet north of the highway.

On Claim No. 7, the applicant has driven an adit during the past winter. This adit contains 236 feet of workings, and explores an area 100 feet lower in elevation than the highway just to the north of it.

An access road has been constructed from the main highway just west of Morse Creek Bridge to the adit portal. This road is being extended to the lower part of the valley of Rainier Fork, where the applicant plans on driving drifts to explore deeper extensions of the shear zone exposed along the highway, some 300 to 400 feet above the valley floor. A camp is maintained near the portal of the adit on the No. 7 claim. This camp comprises several tents and a cookhouse. No other buildings have been erected on the property.

GEOLOGY

According to Warren 1/, the rocks underlying the area of the Hidden Treasure Mines, Inc., property are members of the Lower Keechelus Andesitic Series and the Snoqualmie granodiorite, both of Oligocene age. The Lower Keechelus consists of a heterogeneous group of felsitic to basaltic rocks, including flows, dike rocks, breccias, agglomerates, and tuffs, as well as minor amounts of sediments. Dacites predominate over minor amounts of basaltic, rhyolitic, and sedimentary rocks. 2/. According to Warren's map, referred to above, Snoqualmie granodiorite intrudes the Lower Keechelus Series with the area of the Hidden Treasure Mines Inc., property.

On Claim No. 5, the westernmost claim, a short adit has explored an iron-stained zone in agglomeratic andesitic rock, in which a few narrow seams of chalcopyrite occur. The copper mineral occurs along a narrow fault which strikes N. 35° E. and dips 75° north. This fracture terminates a much stronger appearing fault, 12 inches wide, which strikes N. 80° W. and dips between 85° north and 85° south. The rock just above the portal of the adit and to the east of the portal, between the NE fault and the NW fault, contains much brown iron stain and sparse bluish-green copper stain. The northwest-trending fault was sampled and a chip sample was cut between the adit portal and the northwest-trending fault. Assay results of these samples yielded a trace of gold, 0.1 ounce silver per ton and from 0.05 to 0.17 percent copper.

The applicant is diamond drilling a hole inclined at -57 degrees to explore deeper extensions of this iron-stained zone. This hole had penetrated to a depth of 142 feet on the day of the examination. Light gray andesite with scattered sparse concentrations of pyrite were recovered in the core. The applicant had a section of the pyrite area in the core assayed and all values were nil.

The west side line of Claim No. 3 is 2.7 miles east along the highway from the diamond drill station on Claim No. 5. A north-trending shear zone occurs 138 feet east of the west side line of Claim No. 3. This zone is about 24 inches wide and consists of iron-stained fault gouge. Sample 236A, taken across the shear zone, yielded an assay of

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1/ Warren, Walter C., Relation of the Yakima Basalt to the Keechelus Andesitic Series: Journal of Geology, vol. XLIX, no. 8, fig. 2, November - December, 1941.

2/ Idem. p. 799

a trace gold, 0.1 ounce per ton silver, and no copper. The rock at this locality appears to be a granodiorite containing very few mafic minerals.

Beginning 234 feet east of the west side line of Claim No. 3, a general shear zone in the granodioritic rock extends eastward for 91 feet. A general sample, 238A, taken of specimens along this shear, yielded assays of trace gold, 0.1 ounce per ton silver, and no copper. At 314 feet east of the west side line of Claim No. 3, a local fracture in the general shear zone contains a few minute crystals of molybdenite. Sample 237A, 24 inches long, taken across this fracture yielded assays of trace gold, 0.3 ounce silver per ton, and no copper.

The center post of Claim No. 9 is just to the north of the highway, 0.6 mile east of the west side line of Claim No. 3. Just to the south of the highway, 150 feet west of the center post on Claim No. 9, are a few specimens of broken rock containing high-grade concentrations of chalcopyrite. The applicant sampled this material and reports an assay of 19.2 percent copper, 8.4 ounces per ton silver, and 0.01 ounce per ton gold. Obviously, this sample was from one of the higher-grade specimens. Mr. Harris showed the examiners what he considered to be the shear from which this high-grade copper material came. Sample 239A, 12 feet long, taken across this supposed ore zone, yielded assays of trace gold, 0.1 ounce per ton silver, and 0.22 percent copper. The enclosing rock is bleached and much fractured andesite.

On Claim No. 7, the applicant has driven an adit at an elevation of 100 feet lower than the highway. This work was to explore another supposed ore zone exposed along the highway, about 0.45 mile west of the Morse Creek Bridge. The accompanying figure 2 shows the outline and geology of these workings. The wall rock of the adit is dense gray andesite with scattered disseminations and tiny stringers of pyrite. The andesite contains many strong joints and some of the joint surfaces are lined with pyrite crystals. Near the portal, sparse copper stain occurs and a few small amounts of chalcopyrite were detected. Three samples were taken in the adit, the locations of which are shown on figure 2. Assays of these samples yielded a trace gold, 0.1 to 0.2 ounce per ton silver, and 0.11 to 0.17 percent copper. The applicant reports obtaining an assay of nearly 1.5 ounces per ton gold from a sample taken at the intersection of the northeast-trending fault and the north-trending fault in the northwest portion of the adit.

No evidence of radioactive minerals was found at any of the surface or underground exposures.

There are no known ore reserves on the property.

PAST OPERATION

Current work during the past year has been in locating claims and driving the adit on the No. 7 claim. Other than the short adit driven on the No. 5 claim several years ago, no previous mining operations have been conducted on the property.

APPLICANT'S PROPOSAL

The applicant proposed a project to include 800 feet of drifting and crosscutting, 8,750 feet of diamond drilling, 48 hours of bulldozing, and the erection of a bunkhouse and mess hall.

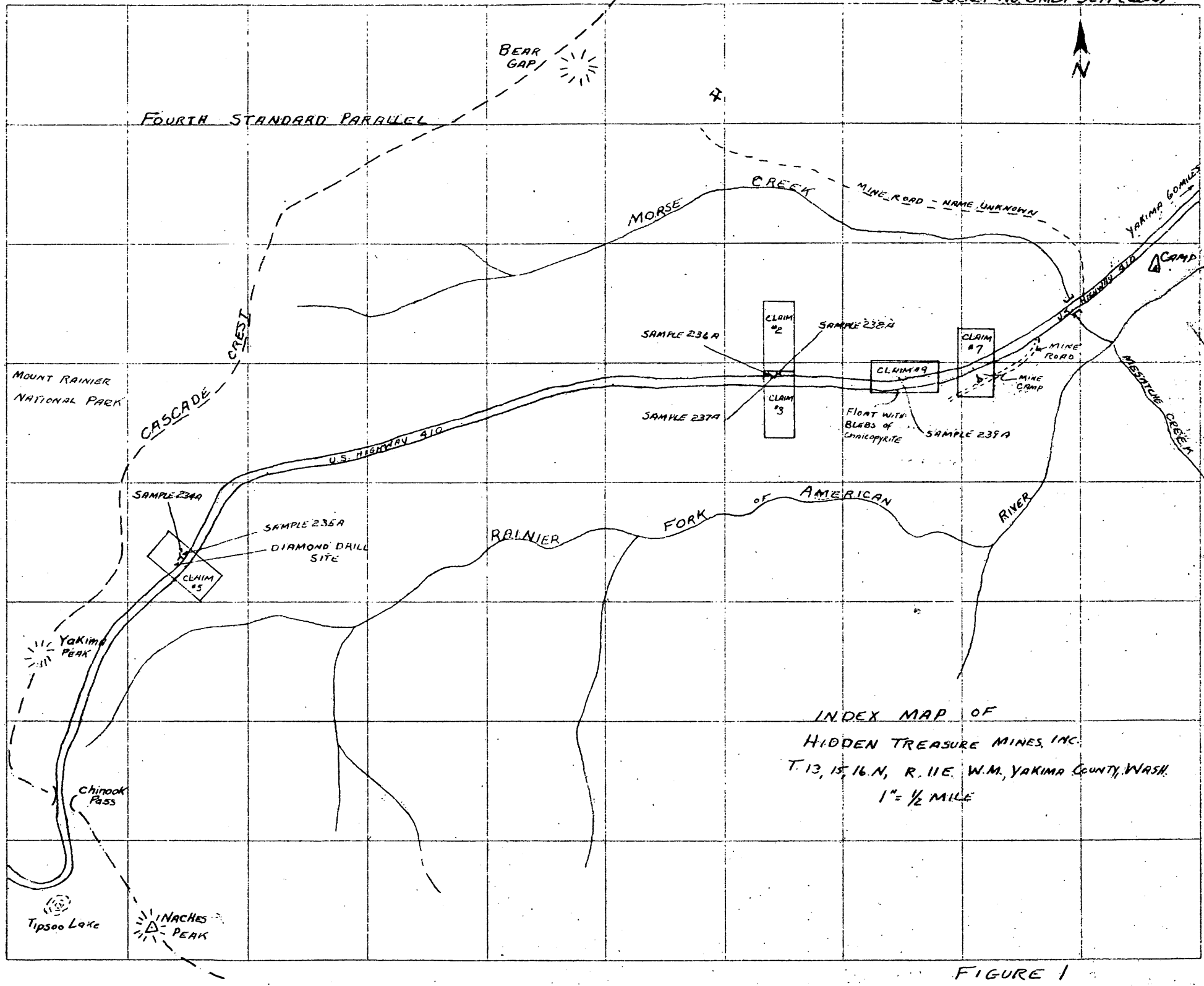
Undoubtedly, the applicant sincerely believes his property is worthy of exploration, and the mine superintendent, Mr. Harris, is very enthusiastic concerning the possibilities of the property as an ore producer.

The results obtained on the DMEA examination indicate that there is very little probability that further work will find any better indications of ore than those exposed in the roadcuts along U. S. Highway 410.

Attachments - 2

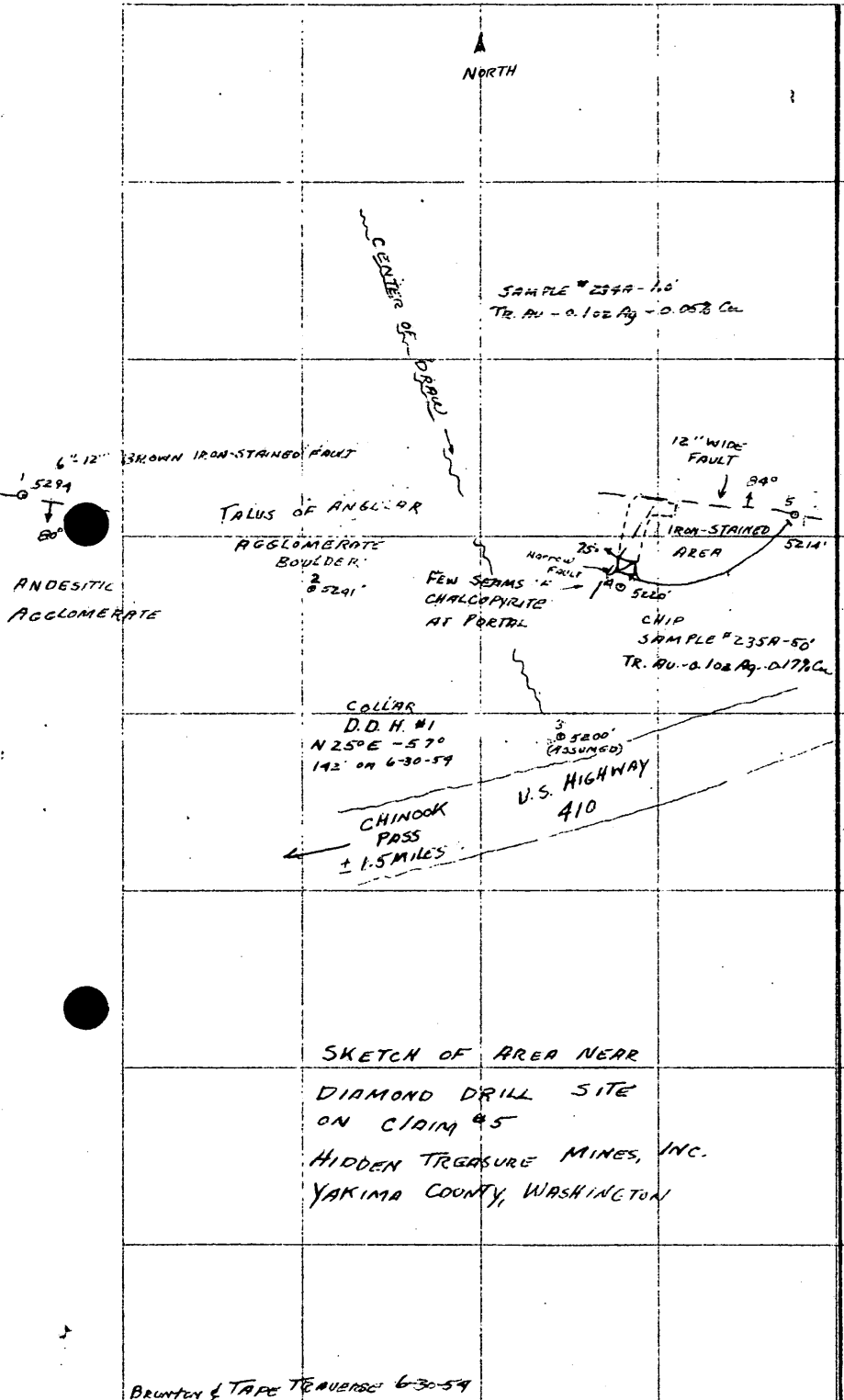
Distribution:
- DMEA (4)
- USBM (2)
- USGS (SRO)
- AEC (2)
- Docket
- Puffett

DOCKET NO. DMEA 3291 (Cu-U)



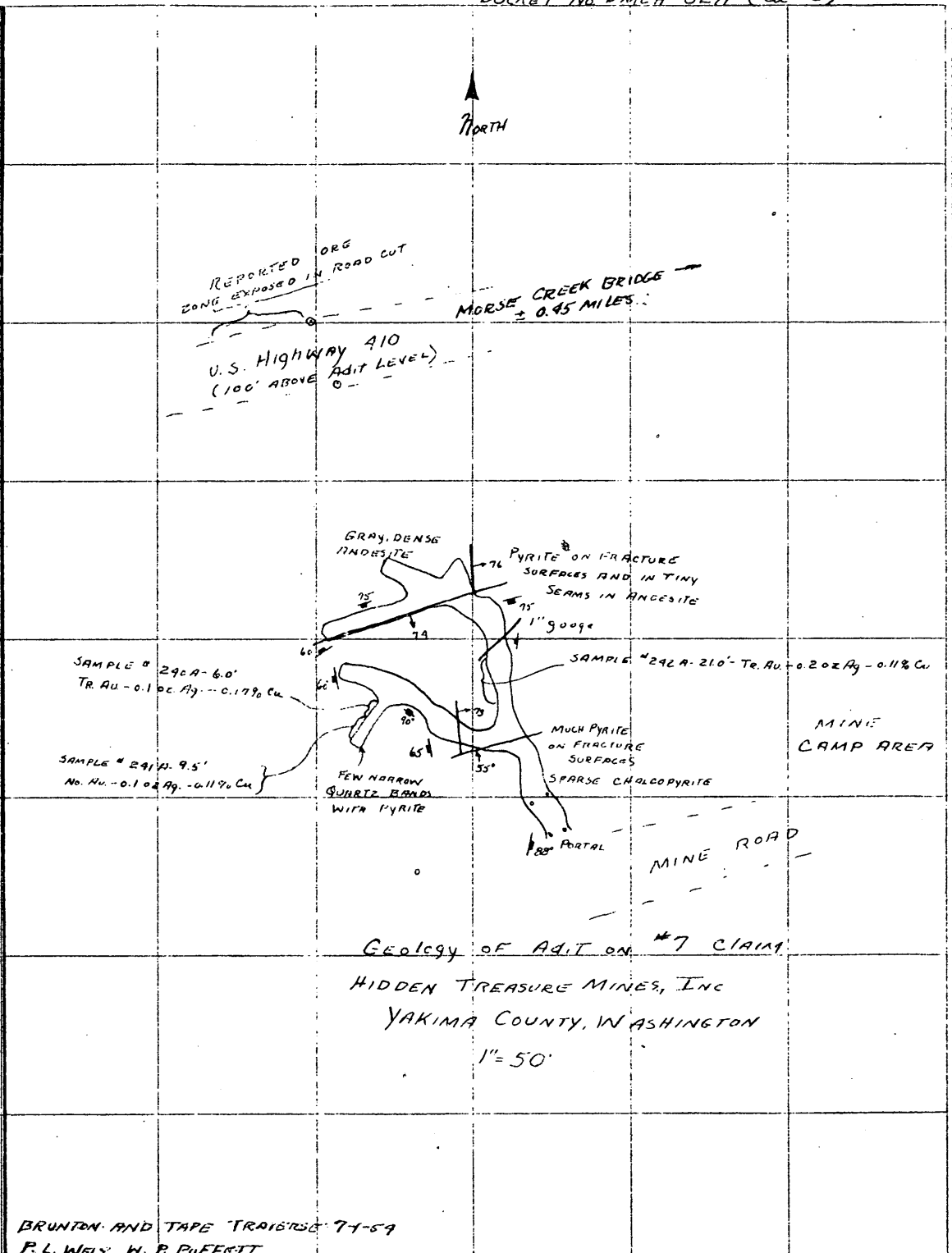
INDEX MAP OF
HIDDEN TREASURE MINES, INC.
T. 13, 15, 16 N, R. 11 E. W.M., YAKIMA COUNTY, WASH.
1" = 1/2 MILE

FIGURE 1



SKETCH OF AREA NEAR
DIAMOND DRILL SITE
ON CLAIM #5
HIDDEN TREASURE MINES, INC.
YAKIMA COUNTY, WASHINGTON

BRUNTON & TAPE TRAVERSE 6-30-59
P.L. WEIS, W.P. PUFFETT
U.S.G.S.



GEOLOGY OF ADIT ON #7 CLAIM
HIDDEN TREASURE MINES, INC
YAKIMA COUNTY, WASHINGTON
1" = 50'

BRUNTON AND TAPE TRAVERSE 7-1-59
P.L. WEIS, W.P. PUFFETT
U.S.G.S.

FIGURE 2

"ALBANENE" NO. 100M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

July 21, 1954

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

Re: Docket No. DMEA-3291 (copper-uranium)
Hidden Treasure Mines, Inc.
Yakima County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of an examination report on the cited docket, prepared by Willard P. Puffett, Geological Survey.

Mr. Puffett recommends that the application be denied and the Field Team concurs.

By Field Team, Region II

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

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

Enclosure (in quad.)

cc: USGS (2)
Puffett

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

July 15, 1954

Memorandum

To: DMEA Field Team, Region II

From: Willard P. Puffett, Geologist, U. S. Geological Survey

Subject: Examination report, Docket No. DMEA 3291 (copper-uranium)
Hidden Treasure Mines, Inc., Yakima County, Washington

APPLICANT

Hidden Treasure Mines, Inc.
1601 South First Street
Yakima, Washington

SUMMARY

For a few miles east of Chinook Pass there are numerous shear zones exposed in the Lower Keechelus Andesite formation along U. S. Highway 410. Disseminated pyrite, ranging from 2 to 90 feet wide, occurs throughout the formation and along the fractures. Leaching by surface waters has resulted in copious quantities of brown iron stain. At least at one locality, sparse quantities of chalcopyrite occur, and here copper stain has coated the rock. Some float containing small but high-grade specimens of chalcopyrite has been found at one side of the highway, where it had been dumped during the excavation of the roadcut.

The applicant has staked numerous claims along the highway, and on the basis of assays received from selected high-grade samples has driven 235 feet of adit at one location and is planning quite an ambitious exploration and development program to explore deeper extensions of the iron-stained fracture zones.

All of the more promising appearing iron-stained shear zones along the road were sampled, and three samples were taken from the most favorable appearing areas in the underground workings. All these samples quite consistently assayed a trace gold, 0.1 ounce silver per ton, and between 0.1 and 0.2 percent copper.

As the applicant reported the presence of uranium-bearing minerals on the claim, all outcrops along the road and the underground workings were examined using a scintillometer. At no place on the property did testing with the scintillometer indicate the presence of uranium minerals.

The field examiners found no feasible target for exploration on the property.

RECOMMENDATION

It is recommended that the application be denied.

EXAMINATION

The Hidden Treasure Mines, Inc., property was examined on June 30 and July 1, 1954, by Paul L. Weis and Willard P. Puffett, geologists, Geological Survey. Mr. Harold Lyke, president of Hidden Treasure Mines, Inc., accompanied the examiners. Mr. Harold M. Harris, mine superintendent, and Mr. F. B. Satterlee, consulting geophysicist, were directing current operations at the property. About 12 men were employed at the mine at the time of the examination.

Mr. Harris directed the examiners to all the more promising outcrops and through the underground workings. All of these areas were tested with a scintillometer for the presence of uranium-bearing minerals, and samples were taken to be assayed for gold, silver, and copper. A sketch map of the workings on the No. 5 claim and a tape and compass traverse were made of the underground workings. The resulting maps and sketches accompany this report as figures 1 and 2.

A total of 10 hours was spent on the property by the DMEA examiners.

PROPERTY

The Hidden Treasure Mines, Inc., property comprises 21 unpatented mining claims in the Summit mining district, Yakima County, Washington. These claims have been located crossing and paralleling U. S. Highway 410, just east of Chinook Pass.

The eastern end of the property is at Morse Creek Bridge, 14 miles west of American River Lodge and about 60 miles west along Highway 410 from Yakima, Washington. The contiguous group of claims extends westward along the highway and along the Rainier Fork of the American River to 4.5 miles west of the Morse Creek Bridge.

During the winter months, when deep snows close the highway through Chinook Pass, public traffic is prohibited from going west of Morse Creek Bridge, but it is believed that access can be gained to the eastern mine workings 12 months in the year. Ordinarily, Chinook Pass is open to general traffic by Memorial Day, but this year the Pass did not get plowed out until the third week in June.

COMPETENCY OF THE APPLICANT

The applicant is apparently well financed to carry out an exploration and development program. The mine superintendent, Mr. Harris, reports that he has had many years' experience in mining and as a mill superintendent in Colorado and the southwest United States. The geologic report Mr. Harris submitted with the application is evidently the work of a typical practical miner and suggests that Mr Harris has had little formal education in geology. He is probably sufficiently competent to direct relatively simple exploration operations. Mr. Satterlee's geophysical report which accompanies the application contains no useful information concerning the property and suggests that Mr. Satterlee has made a gross misrepresentation to the applicant regarding his qualifications as a geophysical engineer.

PROPERTY RIGHTS

The 21 unpatented mining claims are held by right of location and are recorded in the Yakima County Courthouse, Yakima, Washington. These records were not checked by DMEA examiners.

DESCRIPTION OF PROPERTY

The 21 mining claims are on the south-facing slope bordering the Rainier Fork of the American River. Many of the claims have been staked along the river to insure water rights for mining operations. Relief in the area is about 2,500 feet. Brush and small timber cover many of the slopes, although in slide areas and along the highway, the bedrock is well exposed.

On Claim No. 5 there is an old adit, driven many years ago, with about 30 feet of workings. Just inside the portal of this adit is a shaft nearly 12 feet deep. On the day of the examination, an inclined diamond drill hole was being drilled to intersect an area about 100 feet below this adit. The diamond drill rig was set up just 10 feet north of the highway.

On Claim No. 7, the applicant has driven an adit during the past winter. This adit contains 236 feet of workings, and explores an area 100 feet lower in elevation than the highway just to the north of it.

An access road has been constructed from the main highway just west of Morse Creek Bridge to the adit portal. This road is being extended to the lower part of the valley of Rainier Fork, where the applicant plans on driving drifts to explore deeper extensions of the shear zone exposed along the highway, some 300 to 400 feet above the valley floor. A camp is maintained near the portal of the adit on the No. 7 claim. This camp comprises several tents and a cookhouse. No other buildings have been erected on the property.

GEOLOGY

According to Warren 1/, the rocks underlying the area of the Hidden Treasure Mines, Inc., property are members of the Lower Keechelus Andesitic Series and the Snoqualmie granodiorite, both of Oligocene age. The Lower Keechelus consists of a heterogeneous group of felsitic to basaltic rocks, including flows, dike rocks, breccias, agglomerates, and tuffs, as well as minor amounts of sediments. Dacites predominate over minor amounts of basaltic, rhyolitic, and sedimentary rocks. 2/. According to Warren's map, referred to above, Snoqualmie granodiorite intrudes the Lower Keechelus Series with the area of the Hidden Treasure Mines Inc., property.

On Claim No. 5, the westernmost claim, a short adit has explored an iron-stained zone in agglomeratic andesitic rock, in which a few narrow seams of chalcopyrite occur. The copper mineral occurs along a narrow fault which strikes N. 35° E. and dips 75° north. This fracture terminates a much stronger appearing fault, 12 inches wide, which strikes N. 80° W. and dips between 85° north and 85° south. The rock just above the portal of the adit and to the east of the portal, between the NE fault and the NW fault, contains much brown iron stain and sparse bluish-green copper stain. The northwest-trending fault was sampled and a chip sample was cut between the adit portal and the northwest-trending fault. Assay results of these samples yielded a trace of gold, 0.1 ounce silver per ton and from 0.05 to 0.17 percent copper.

The applicant is diamond drilling a hole inclined at -57 degrees to explore deeper extensions of this iron-stained zone. This hole had penetrated to a depth of 142 feet on the day of the examination. Light gray andesite with scattered sparse concentrations of pyrite were recovered in the core. The applicant had a section of the pyrite area in the core assayed and all values were nil.

The west side line of Claim No. 3 is 2.7 miles east along the highway from the diamond drill station on Claim No. 5. A north-trending shear zone occurs 138 feet east of the west side line of Claim No. 3. This zone is about 24 inches wide and consists of iron-stained fault gouge. Sample 236A, taken across the shear zone, yielded an assay of

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1/ Warren, Walter C., Relation of the Yakima Basalt to the Keechelus Andesitic Series: Journal of Geology, vol. XLIX, no. 8, fig. 2, November - December, 1941.

2/ Idem. p. 799

a trace gold, 0.1 ounce per ton silver, and no copper. The rock at this locality appears to be a granodiorite containing very few mafic minerals.

Beginning 234 feet east of the west side line of Claim No. 3, a general shear zone in the granodioritic rock extends eastward for 91 feet. A general sample, 238A, taken of specimens along this shear, yielded assays of trace gold, 0.1 ounce per ton silver, and no copper. At 314 feet east of the west side line of Claim No. 3, a local fracture in the general shear zone contains a few minute crystals of molybdenite. Sample 237A, 24 inches long, taken across this fracture yielded assays of trace gold, 0.3 ounce silver per ton, and no copper.

The center post of Claim No. 9 is just to the north of the highway, 0.6 mile east of the west side line of Claim No. 3. Just to the south of the highway, 150 feet west of the center post on Claim No. 9, are a few specimens of broken rock containing high-grade concentrations of chalcopyrite. The applicant sampled this material and reports an assay of 19.2 percent copper, 8.4 ounces per ton silver, and 0.01 ounce per ton gold. Obviously, this sample was from one of the higher-grade specimens. Mr. Harris showed the examiners what he considered to be the shear from which this high-grade copper material came. Sample 239A, 12 feet long, taken across this supposed ore zone, yielded assays of trace gold, 0.1 ounce per ton silver, and 0.22 percent copper. The enclosing rock is bleached and much fractured andesite.

On Claim No. 7, the applicant has driven an adit at an elevation of 100 feet lower than the highway. This work was to explore another supposed ore zone exposed along the highway, about 0.45 mile west of the Morse Creek Bridge. The accompanying figure 2 shows the outline and geology of these workings. The wall rock of the adit is dense gray andesite with scattered disseminations and tiny stringers of pyrite. The andesite contains many strong joints and some of the joint surfaces are lined with pyrite crystals. Near the portal, sparse copper stain occurs and a few small amounts of chalcopyrite were detected. Three samples were taken in the adit, the locations of which are shown on figure 2. Assays of these samples yielded a trace gold, 0.1 to 0.2 ounce per ton silver, and 0.11 to 0.17 percent copper. The applicant reports obtaining an assay of nearly 1.5 ounces per ton gold from a sample taken at the intersection of the northeast-trending fault and the north-trending fault in the northwest portion of the adit.

No evidence of radioactive minerals was found at any of the surface or underground exposures.

There are no known ore reserves on the property.

PAST OPERATION

Current work during the past year has been in locating claims and driving the adit on the No. 7 claim. Other than the short adit driven on the No. 5 claim several years ago, no previous mining operations have been conducted on the property.

APPLICANT'S PROPOSAL

The applicant proposed a project to include 800 feet of drifting and crosscutting, 8,750 feet of diamond drilling, 48 hours of bulldozing, and the erection of a bunkhouse and mess hall.

Undoubtedly, the applicant sincerely believes his property is worthy of exploration, and the mine superintendent, Mr. Harris, is very enthusiastic concerning the possibilities of the property as an ore producer.

The results obtained on the DMEA examination indicate that there is very little probability that further work will find any better indications of ore than those exposed in the roadcuts along U. S. Highway 410.

Attachments - 2

Distribution:
- DMEA (4)
- USBM (2)
- USGS (SRO)
- AEC (2)
- Docket
- Puffett

DOCKET No. DMEA 3291 (Cu-U)

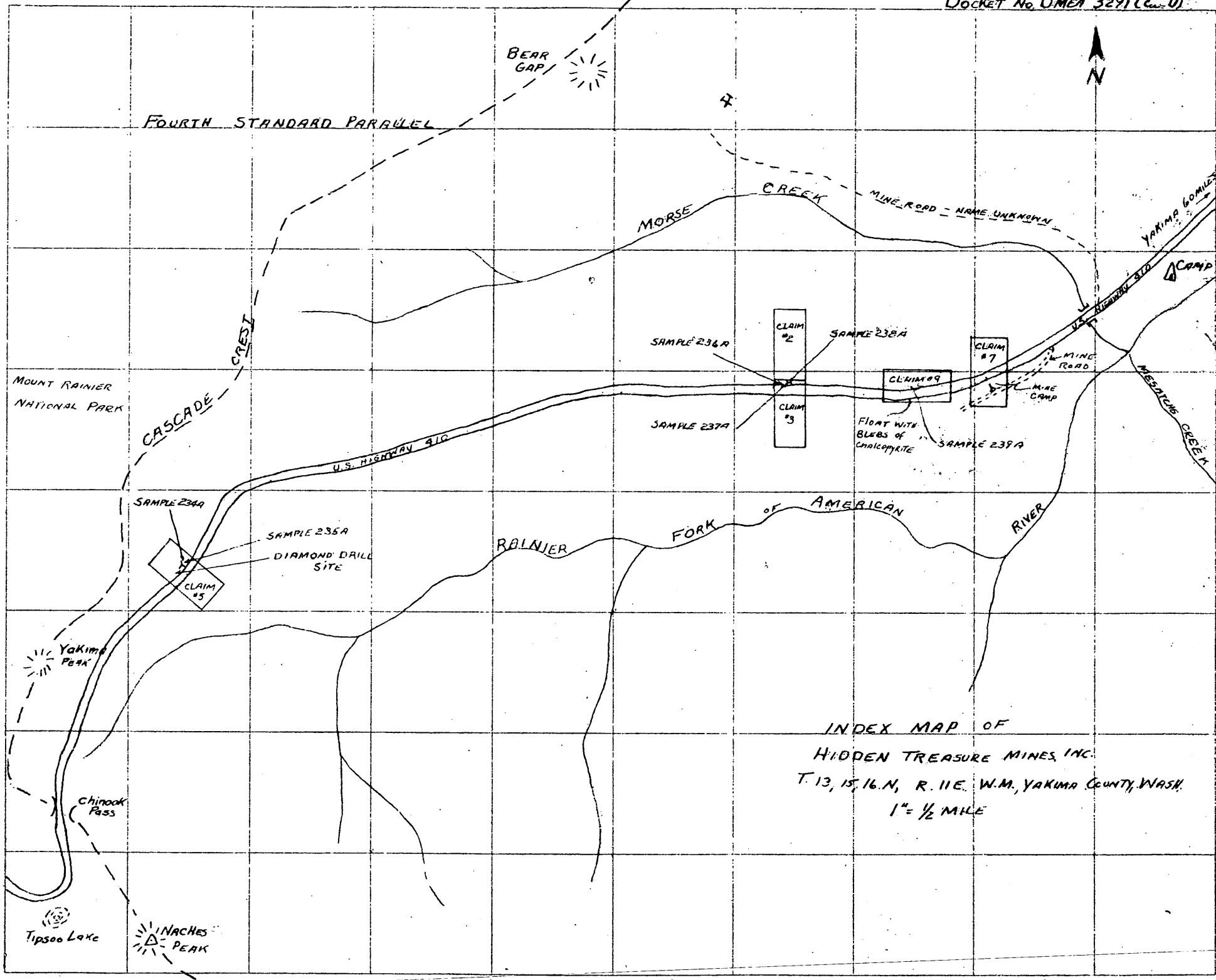
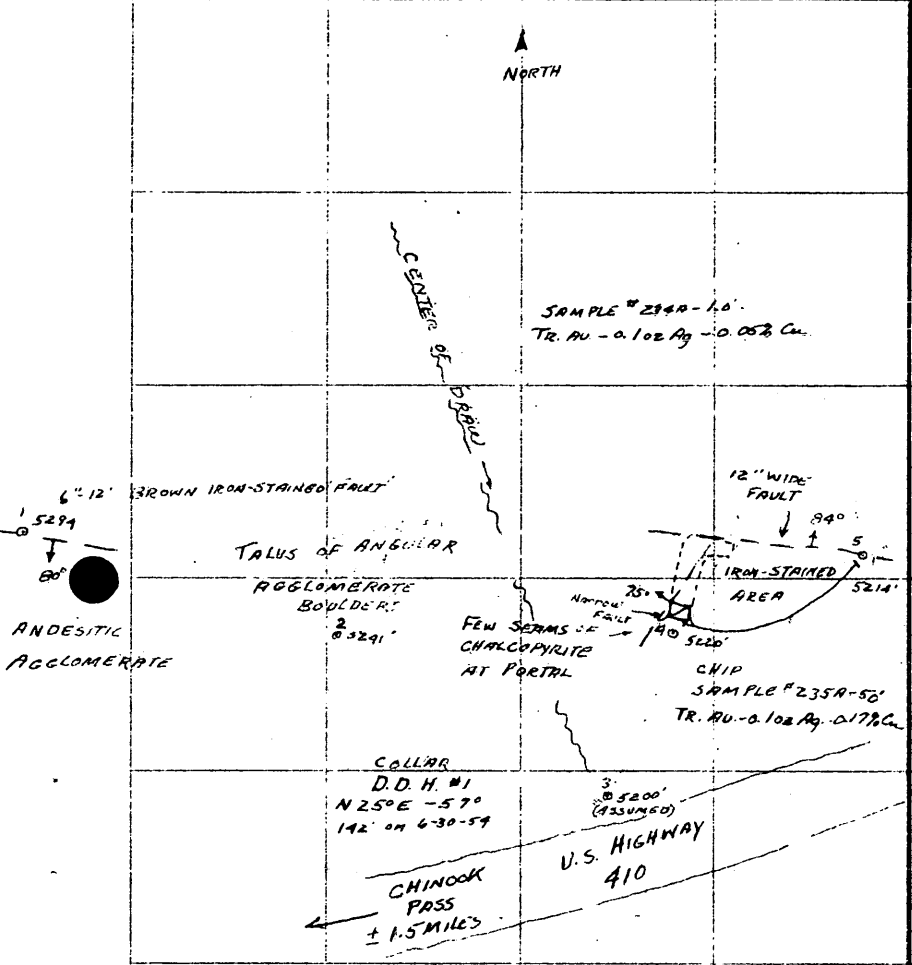
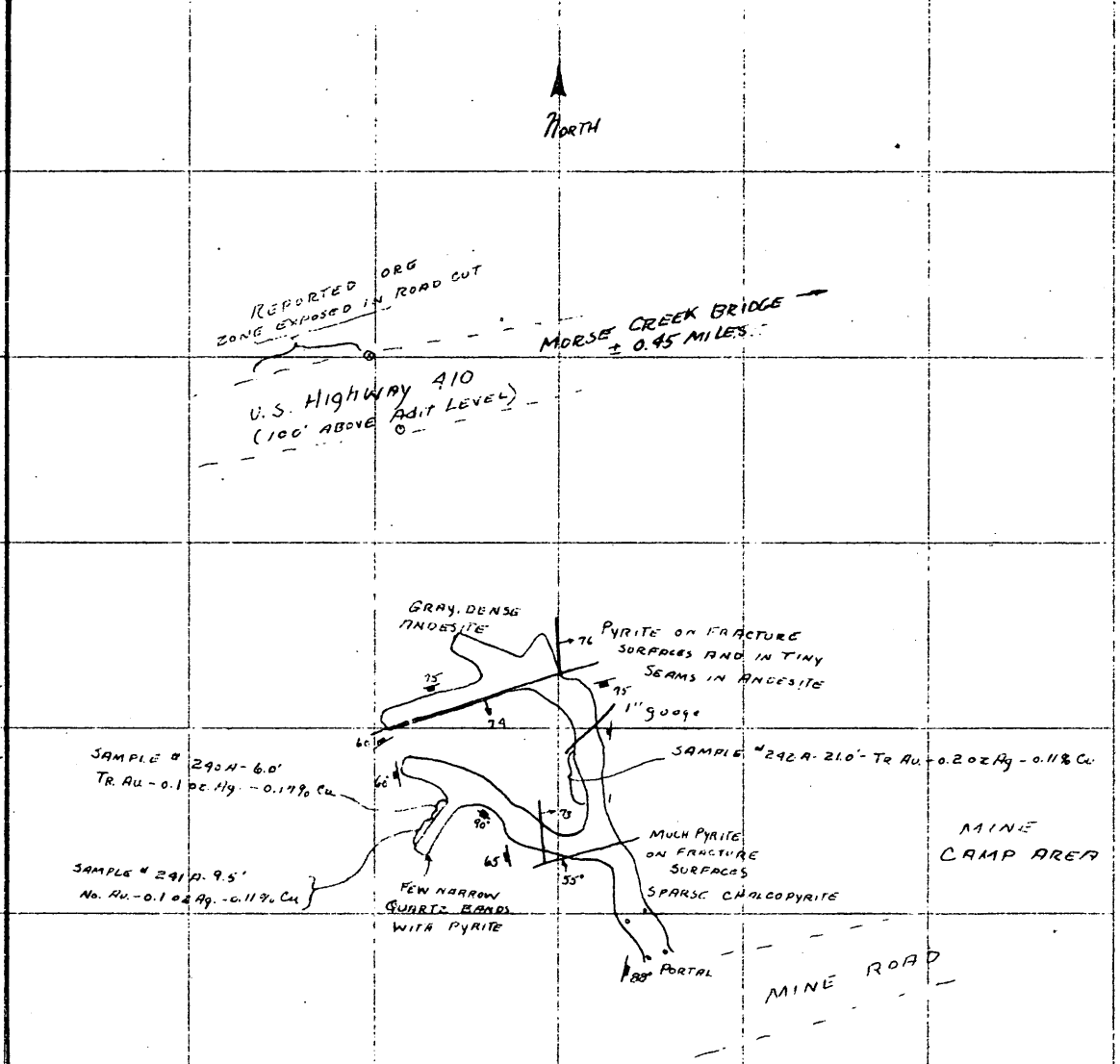


FIGURE 1



SKETCH OF AREA NEAR
DIAMOND DRILL SITE
ON CLAIM #5
HIDDEN TREASURE MINES, INC.
YAKIMA COUNTY, WASHINGTON

BRUNTON & TAPE TRAVERSE 6-30-59
P.L. WEIS, W.P. PUFFETT
U.S.G.S.



Geology of Adit on #7 Claim
HIDDEN TREASURE MINES, INC
YAKIMA COUNTY, WASHINGTON
1" = 50'

BRUNTON AND TAPE TRAVERSE 7-1-59
P.L. WEIS, W. P. PUFFETT
U.S.G.S.

FIGURE 2

"ALBANENE" NO. 190M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 10 1954

June 2, 1954

Docket

Mr. Arthur Lyke
2014 Broadway
Yakima, Washington

Re: Docket No. DMEA 3291 (copper-uranium)
Hidden Treasure Mines, Inc.
Yakima County, Washington

Dear Mr. Lyke:

It will be necessary that we make a field examination of your property to determine the feasibility of your proposed project for DMEA assistance. Undoubtedly snow obscures the surface of your property at this time. Will you kindly inform us when snow conditions will permit an examination.

Yours very truly,

Willard P. Puffett
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2)
USBM (2)
Puffett

File Copy
Surname
J. W. Alt.
Grismold
Selfridge
Hermann
Muttendorf

500

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

MAY 2 6 1954

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

Re: Docket No. DMEA-3291 (Copper-Uranium)
Hidden Treasure Mines, Inc.
Hidden Treasure Mines
Yakima County, Washington

Dear Mr. Weissenborn:

In reference to your letter of May 13, 1954, regarding the cited docket, we request that you have a field examination made of this property and submit your report and recommendations.

Sincerely yours,

S.24

George C. Selfridge
Chairman, Operating Committee (JHB)

APPROVED:

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

Philip W. Guild
Member, Geological Survey (JHB)

JWAlt/bjl (5/20/54)

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

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

May 13, 1954

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

Re: Docket No. DMEA-3291 (copper-uranium)
Hidden Treasure Mines, Inc.
Yakima County, Washington

Dear Mr. Selfridge:

Reference is made to our letter of March 19, forwarding to you three copies of the cited application. Since that time, we have, on two separate occasions (March 23 and April 15, 1954), written the applicant for additional information, specifically for maps and for assay data. In answer to our first letter of March 23, we received from the applicant a series of maps, which are enclosed, and one assay return for copper, a copy of which is also enclosed. We were also informed by the operator that because of the heavy snow cover on the property he would be unable to secure a sample of the uranium-bearing rock for us until summer.

In our second letter to the applicant, we informed him that the numbering of the individual claims on his claim maps did not correspond with the location of these claims as plotted on the general map of the Summit district. In answer to this we received copies of the map with corrected claim numbers, copies of which are also enclosed. No letter accompanied the latest received maps.

We suspect that further requests for information from the applicant will be useless. Therefore, it is suggested that either the application be denied or that we be instructed to conduct a field examination. If a field examination is to be made, it will probably be late in June or early in July before snow conditions will permit such an examination.

We shall await instructions from the Operating Committee before taking further action on this matter.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM (2); Puffett

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

May 13, 1954

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

Re: Docket No. DMEA-3291 (copper-uranium)
Hidden Treasure Mines, Inc.
Yakima County, Washington

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We shall await instructions from the Operating Committee before taking further action on this matter.

Sincerely yours,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosures
cc: USBM (2); Puffett

GOLD and SILVER BOUGHT.

Wm. M. Stowell & Co.

CHEMISTS and ASSAYERS
[illegible] SPRAGUE AVENUE
TELEPHONE MAIN 5924

Memorandum of Assay of [illegible] made for

[illegible]

Spokane, Wash., [illegible] 1903

ASSAY VALUE PER TON OF 2000 POUNDS AVOIRDUPOIS

SAMPLE MARK		per lb.			per lb.		Silver at		cents per ounce		Gold at		per ounce		Total	
	Per Cent	DOLLARS	Cents	Per Cent	DOLLARS	Cents	OUNCES	100ths	DOLLARS	Cents	OUNCES	100ths	DOLLARS	Cents	DOLLARS	Cents
No. 1				21 to	12	60										
No. 2																
No. 3																
No. 4																
No. 5																
No. 6																
No. 7																
No. 8																

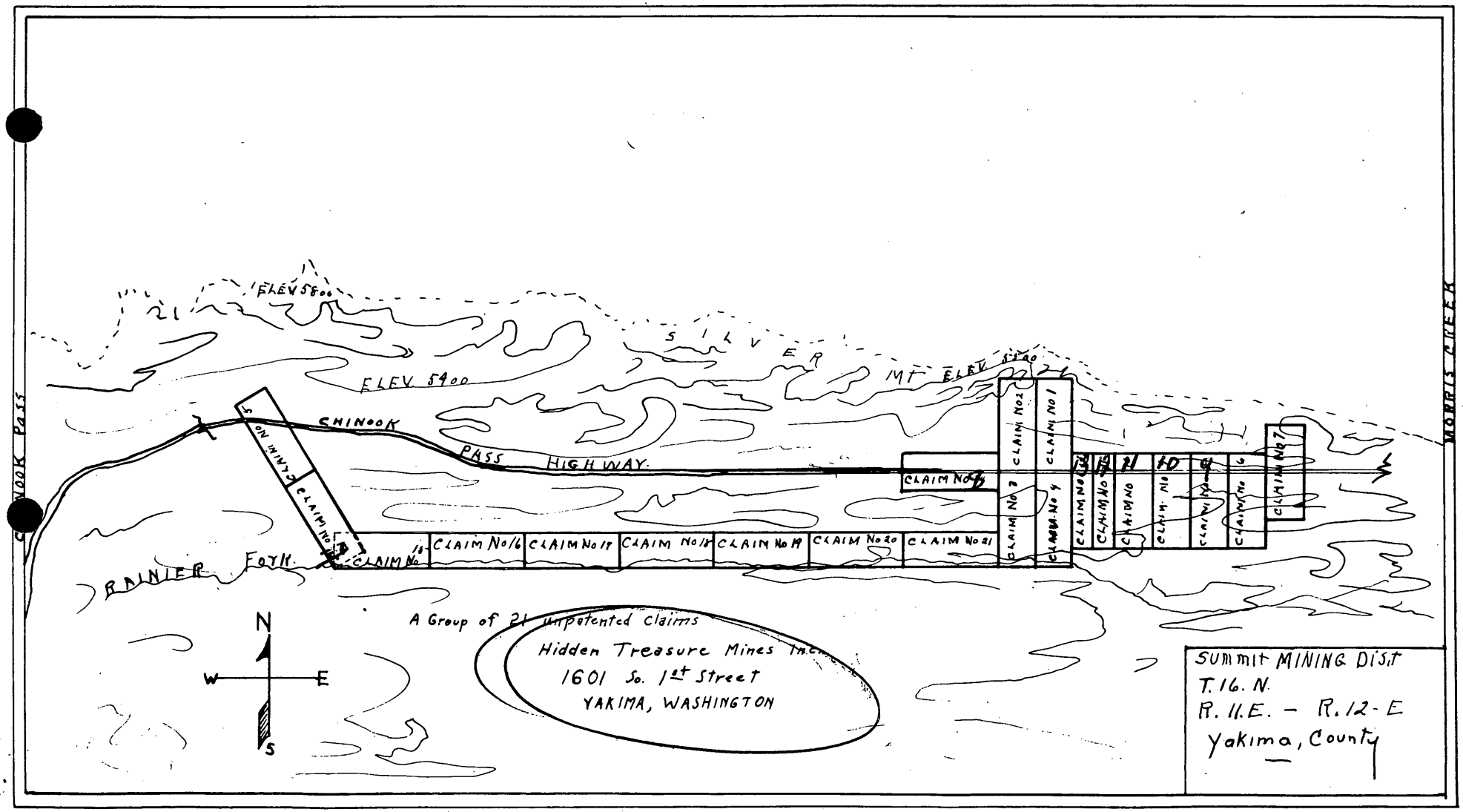
No. [illegible]

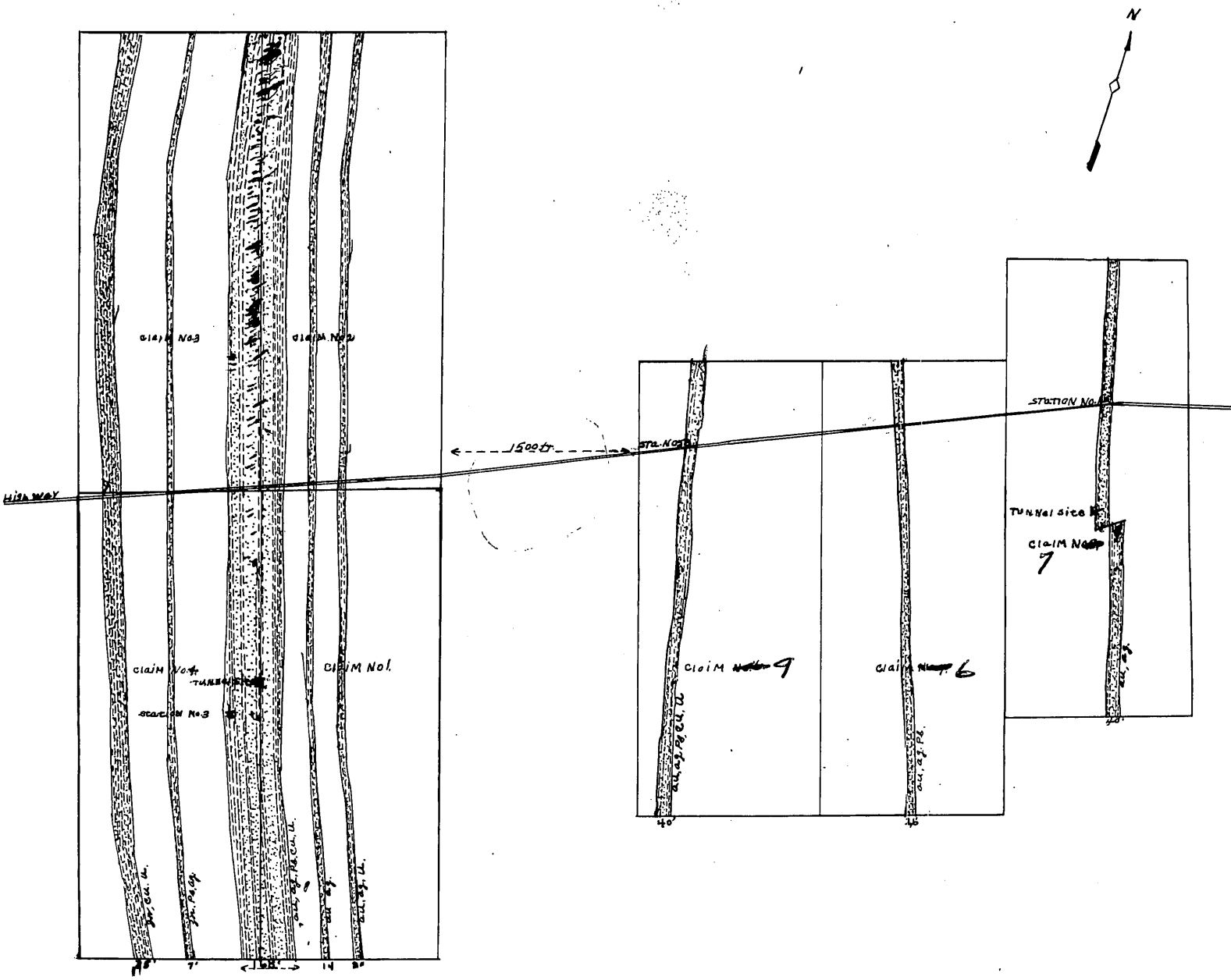
Charges $ [illegible]

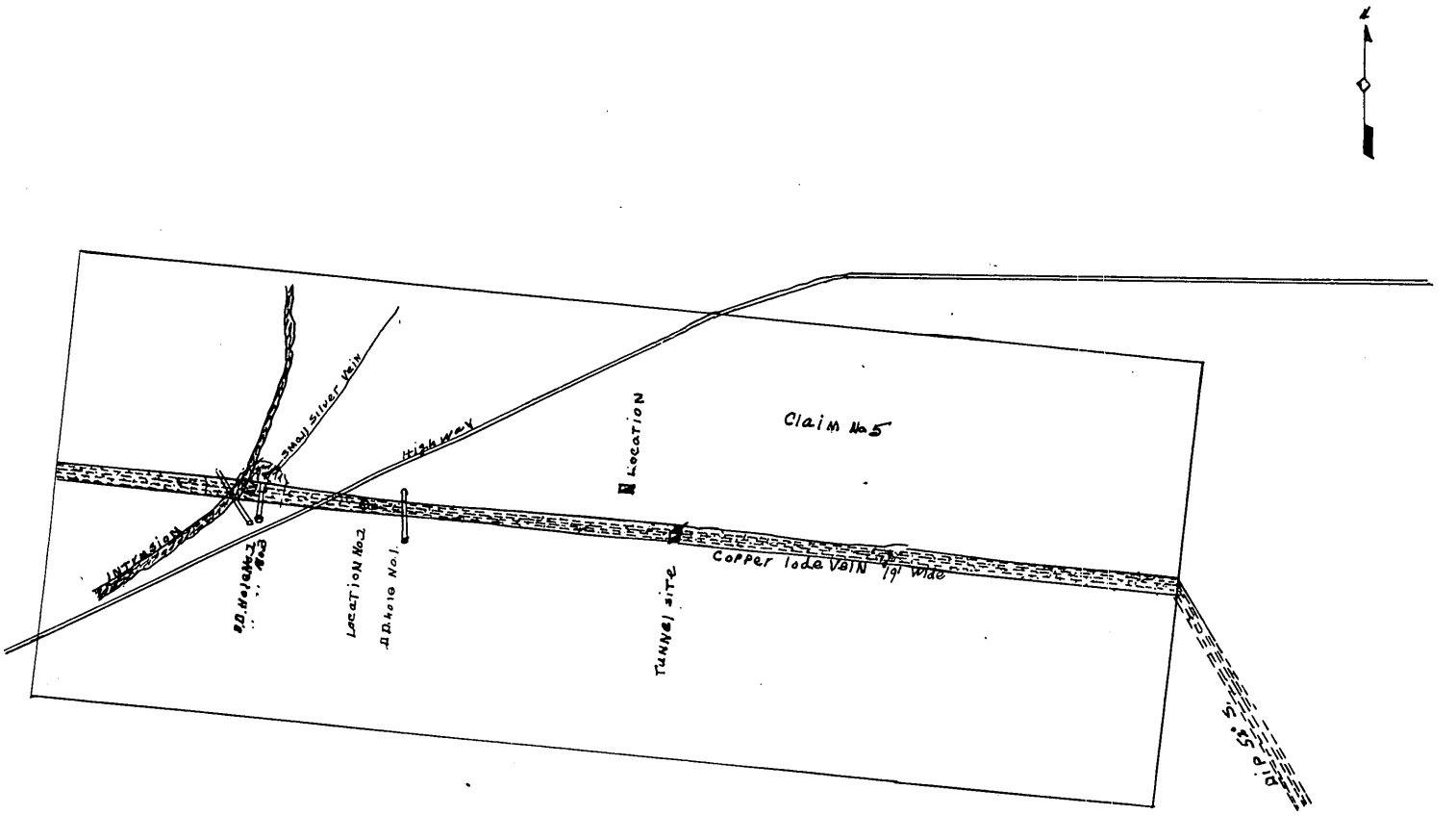
Assayer

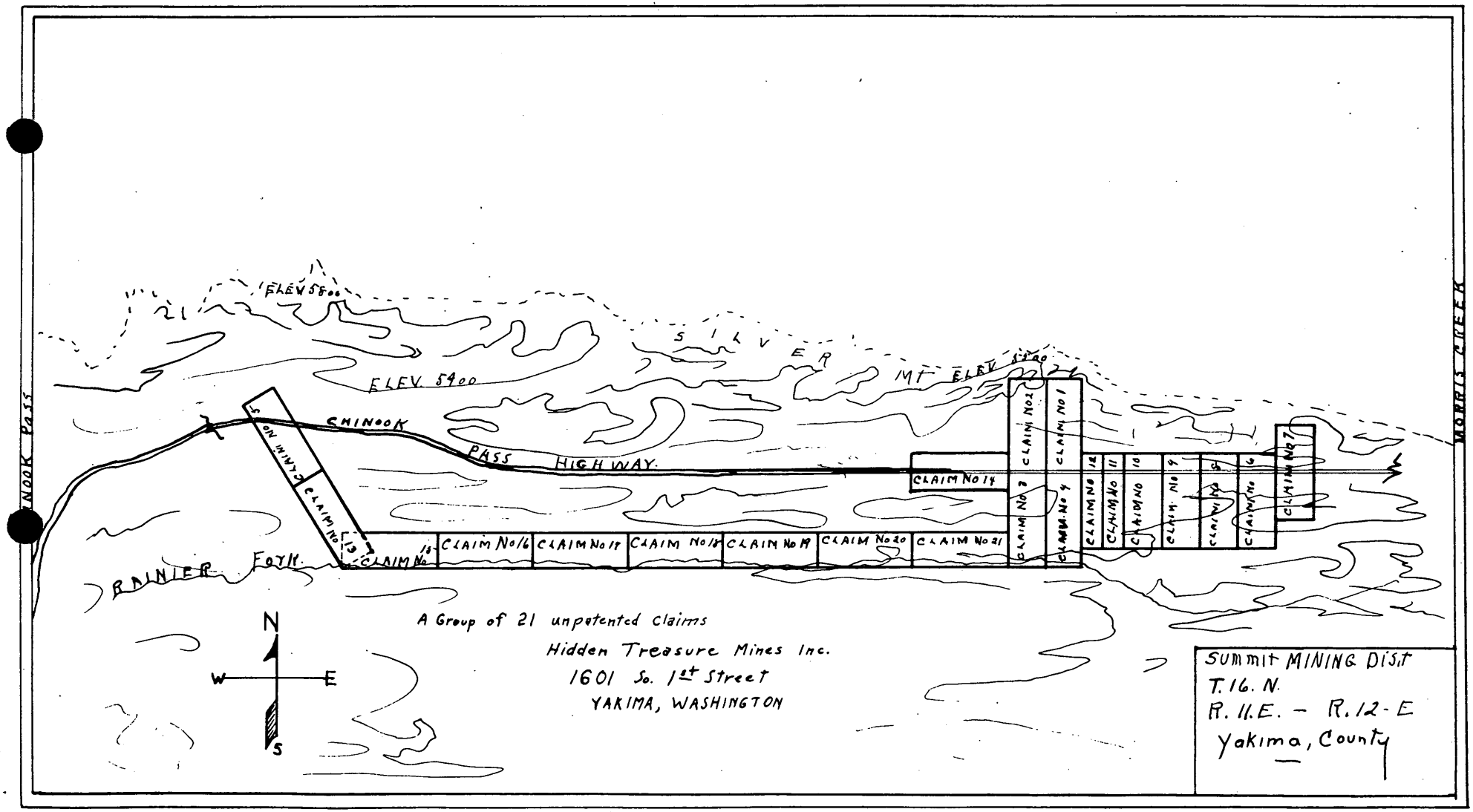
James C. Young
1010 James St.
Seattle, Wash.

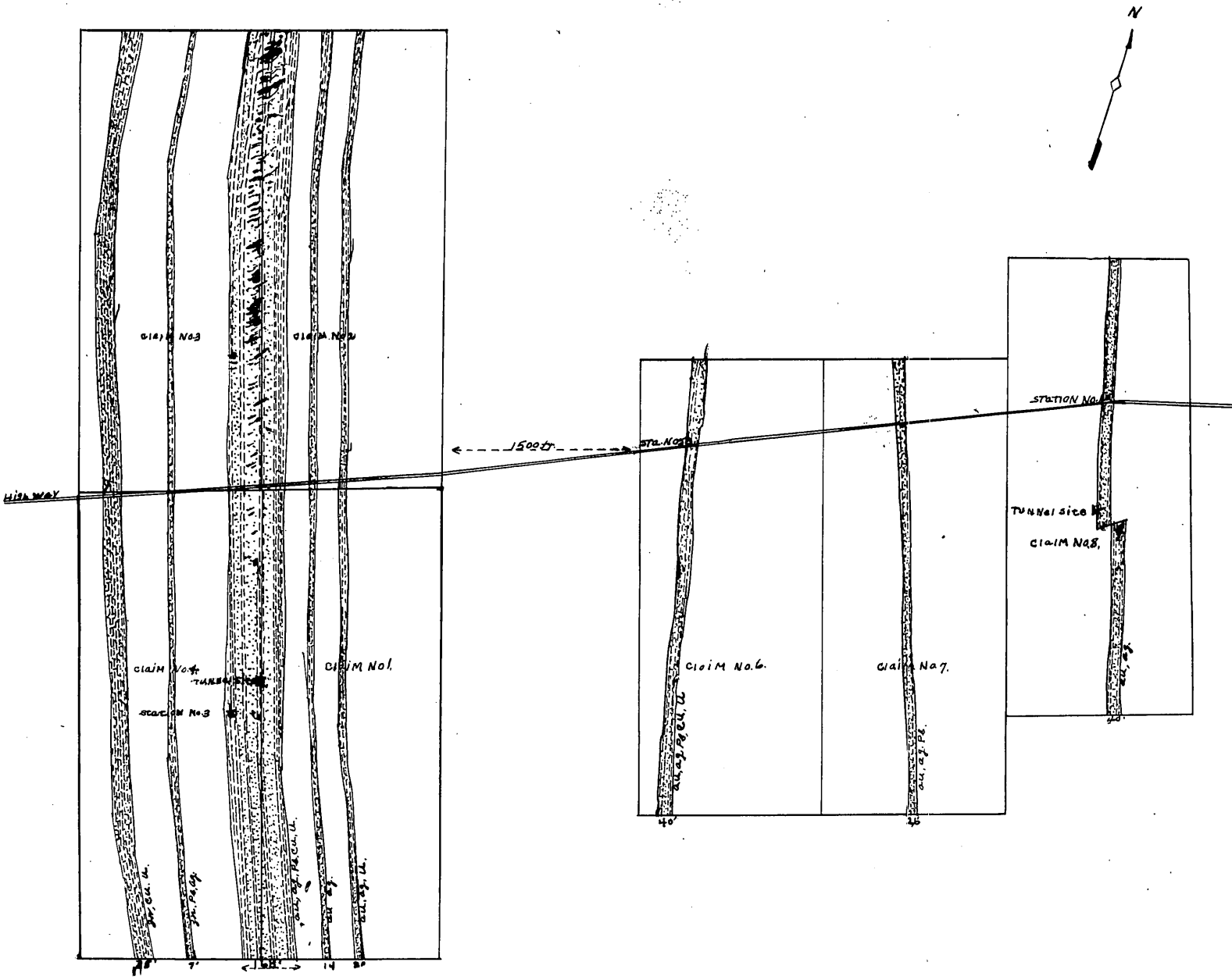
Copper Lode In
No. 5

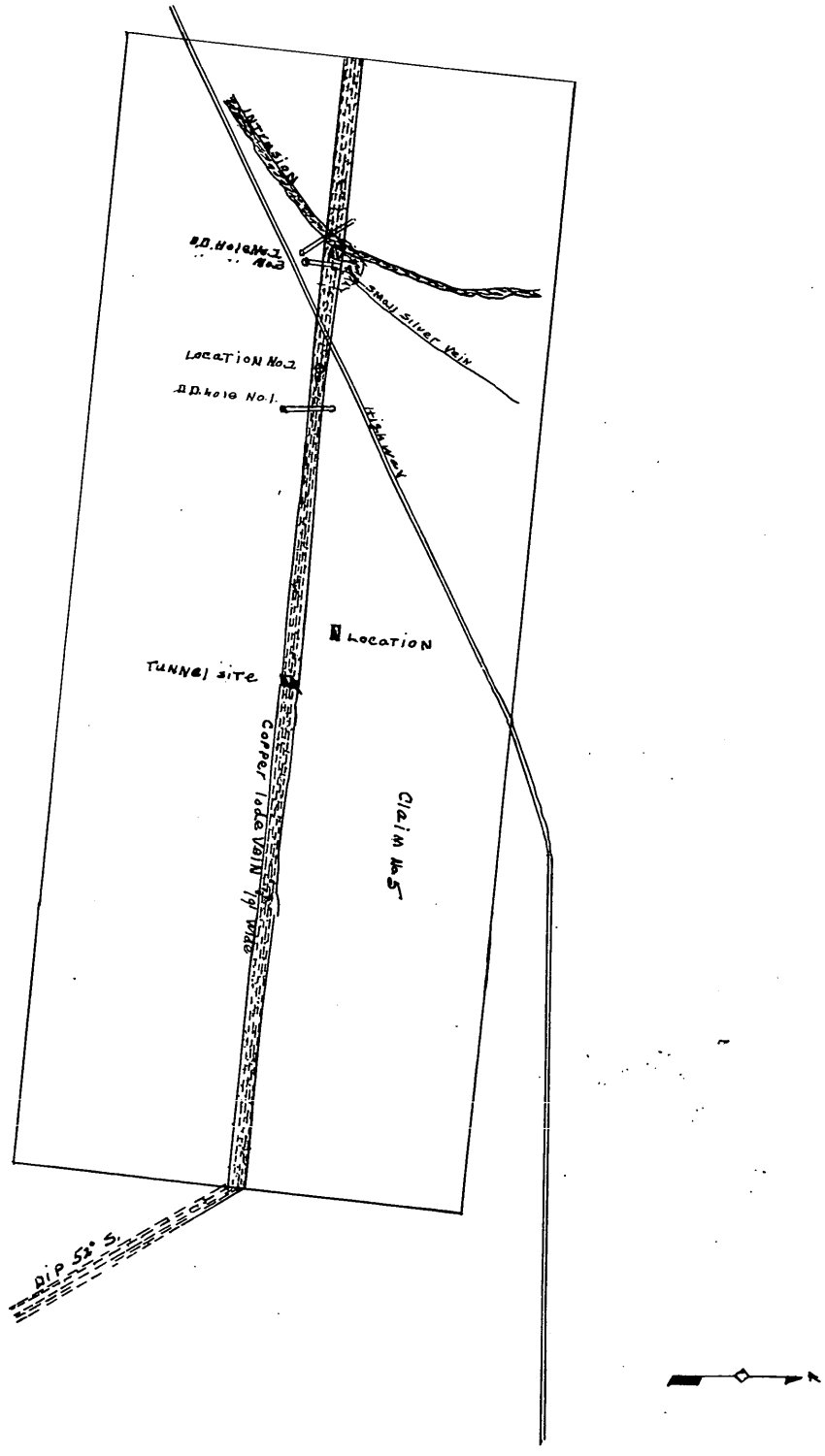

CHINOOK PASS
MORRIS CREEK
ELEV 5800
ELEV 5400
SILVER MT
ELEV 5140
CHINOOK PASS HIGHWAY
RAINIER FORK
CLAIM No 5
CLAIM No 15
CLAIM No 16
CLAIM No 17
CLAIM No 18
CLAIM No 19
CLAIM No 20
CLAIM No 21
CLAIM No 2
CLAIM No 1
CLAIM No 4
CLAIM No 3
CLAIM No 7
N
W
E
S
A Group of 21 unpatented claims
Hidden Treasure Mines Inc.
1601 So. 1st Street
YAKIMA, WASHINGTON
SUMMIT MINING DIST
T. 16. N.
R. 11. E. - R. 12 - E
Yakima, County


N
HIGH WAY
1500 ft
STA. No 2
STATION No.
CLAIM No.3
CLAIM No.2
CLAIM No.4
TUNNEL
STATION No.3
CLAIM No.1
Au, Ag, Pb, Cu, U.
Au, Ag, Pb, Cu, U.
Au, Ag, Pb, Cu, U.
Au, Ag, Pb, Cu, U.
7'
14'
8'
40'
CLAIM 9
CLAIM 6
CLAIM 7
Au, Ag, Pb, Cu, U.
Au, Ag, Pb.
Au, Ag.
40'
40'


Small Silver Vein
Highway
Intrusion
P.D. Hole No. 3
Location No. 2
P.D. Hole No. 1
Tunnel site
Location
Claim No 5
Copper lode Vein 19' wide
Pipe 5.5"


NOOK PASS
MORRIS CREEK
ELEV 5800
ELEV 5400
SILVER MT
ELEV 5400
CHINOOK PASS HIGHWAY
RAINIER FORK
CLAIM No 13
CLAIM No 15
CLAIM No 16
CLAIM No 17
CLAIM No 18
CLAIM No 19
CLAIM No 20
CLAIM No 21
CLAIM No 14
CLAIM No 2
CLAIM No 1
CLAIM No 3
CLAIM No 4
CLAIM No 12
CLAIM No 11
CLAIM No 10
CLAIM No 9
CLAIM No 8
CLAIM No 6
CLAIM No 7
N
W
E
S
A Group of 21 unpatented claims
Hidden Treasure Mines Inc.
1601 So. 1st Street
YAKIMA, WASHINGTON
SUMMIT MINING DIST
T. 16. N.
R. 11.E. - R. 12-E
Yakima, County


N
Claim No.3
Claim No.2
Claim No.4
TUNNEL
Station No.3
Claim No.1
Gn, Cu, U.
Gn, Pb, Ag.
Au, Ag, Pb, Cu, U.
Au, Ag, U.
Au, Ag, U.
HIGH WAY
1500 ft
Sta. No.2
Claim No.6.
Au, Ag, Pb, Cu, U.
Claim No.7.
Au, Ag, Pb.
STATION No.1
TUNNEL site
Claim No.8.
Au, Ag.


Intersection
D.D. Hole No.1
" " No.3
Small Silver Vein
Location No.2
D.D. hole No.1.
Highway
Location
TUNNEL site
Copper Lode Vein 10' wide
Claim No.5
Dip 52° S.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 3 - 1954

April 27, 1954

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

Re: Docket No. DMEA-~~4292~~ 3291 (copper, uranium)
Hidden Treasure Mines, Inc.
Yakima County, Washington

Dear Mr. Selfridge:

Reference is made to your letter of April 1 in which you state that you will wait for the information we have requested from the applicant before taking any action in regard to the cited application.

The applicant, in response to our letter of March 23, forwarded to us additional information but we did not consider it sufficient and therefore we again wrote him on April 15 requesting additional data. When this latter data is received, we shall forward it to you for your consideration.

Sincerely yours,

Thor H. Kiilsgaard
Acting Member, DMEA
Field Team, Region II

cc: USBM (2)

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

April 15, 1954

Mr. Harold Lyke
2014 Broadway
Yakima, Washington

Re: Application for exploration assistance
Hidden Treasure Mines, Inc.
Yakima County, Washington
Commodity: Copper, Uranium

Dear Mr. Lyke:

This will acknowledge receipt of your reply to our letter of March 23 in which you enclosed some maps of your claims in the Summit mining district, together with an assay report on one sample taken from this area. We will await with interest the additional samples you are going to send us.

Incidentally, in checking your claim maps we note that the numbering of the individual claims does not correspond with the location of these claims as you have plotted them on the general map of the Summit district. Would you please check this and indicate which is the correct numbering.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
DMEA (2)

FILE COPY
SURNAME

500

J. W. Alt.
Norman
Selfridge
J. Hudson
Northenday

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

APR 1 1954

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

Re: Docket No. DMEA-3291 (Copper-Uranium)
Hidden Treasure Mines, Inc.
Hidden Treasure Mines
Yakima County, Washington

Dear Mr. Weissenborn:

In reference to your letter regarding the cited docket, we will await the information you have requested from the Applicant before taking any action regarding this application for Government exploration assistance.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

APPROVED:

J. H. Hedges

Member, Bureau of Mines (JHB)

D. M. Larrabee

Member, Geological Survey (JHB)

JWAlt/bjl (3/31/54)

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

R.C.G. 4-1-54

IN REPLY REFER TO:

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

March 31, 1954

Re: DMEA-3291
Hidden Treasure Mine
Summit District
Yakima County, Washington
$117,793
Copper-Uranium

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb

Subject: Review of application

The field team has requested additional pertinent data from the applicant. If this new material indicates that exploration assistance may be warranted, the field team will examine the property when weather conditions are favorable.

We are returning our copy of the application to your office. Further consideration of the application will be made after we receive the field team's recommendation.

E. L. Newcomb

E. L. Newcomb
Geologist

IN REPLY REFER TO:

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

March 31, 1954

Re: DMA-3291
Hidden Treasure Mine
Summit District
Yakima County, Washington
$117,793
Copper-Uranium

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb

Subject: Review of application

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E. L. Newcomb
Geologist

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

March 30, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3291 (Copper and Uranium) Hidden Treasure Mines, Incorporated, Yakima County, Washington

I have reviewed the above-named application which is returned herewith. Inasmuch as the application gives no acceptable justification for exploration, I suggest the applicant be requested to furnish such justification before a field examination is requested. The two reports, one by H. H. Harris and one by F. B. Satterlee, that accompany the application ostensibly to furnish justification for exploration for copper and uranium, are utterly worthless. There are no sketches, no sample returns, no mention of any prospecting results, no description of the kind of geophysical survey claimed to have been made.

C. H. Johnson

C. H. Johnson

Attachment
Copy to - Mr. Newcomb, Geological Survey
Minerals Division
C. H. Johnson
Files

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

March 30, 1954

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-3291 (Copper and Uranium) Hidden Treasure Mines, Incorporated, Yakima County, Washington

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C. H. JOHNSON

Attachment

C. H. Johnson

CHJohnson:ks

Copy to - Mr. Newcomb, Geological Survey
Minerals Division
C. H. Johnson
Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
No. 157 Howard Street
Spokane 4, Washington

Betty

March 23, 1954

Mr. Harold Lyke
2014 Broadway
Yakima, Washington

Re: Application for exploration assistance
Hidden Treasure Mines, Inc.
Yakima County, Washington
Commodity: Copper, uranium

Dear Mr. Lyke:

This will acknowledge receipt of your application dated March 15, 1954, for a DMEA exploration contract to explore the Hidden Treasure mine west of Hidden Pass. We have forwarded this application to our Washington office.

The two reports accompanying the application mention the presence of veins with uranium and copper on the property but do not present any evidence in the form of maps or assays to substantiate the presence of these minerals. Before making an examination we would like to have whatever maps that you have of the property together with the assays of any samples taken from the property, and we would particularly like to have a specimen of the uranium-bearing rock. If this evidence shows significant amounts of copper or uranium, we will proceed to make an examination as soon as the snow is gone from the property.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
DMEA (2)
Puffett

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

March 23, 1954

Mr. Harold Lyke
2014 Broadway
Yakima, Washington

Re: Application for exploration assistance
Hidden Treasure Mines, Inc.
Yakima County, Washington
Commodity: Copper, uranium

Dear Mr. Lyke:

This will acknowledge receipt of your application dated March 15, 1954, for a DMEA exploration contract to explore the Hidden Treasure mine west of Hidden Pass. We have forwarded this application to our Washington office.

The two reports accompanying the application mention the presence of veins with uranium and copper on the property but do not present any evidence in the form of maps or assays to substantiate the presence of these minerals. Before making an examination we would like to have whatever maps that you have of the property together with the assays of any samples taken from the property, and we would particularly like to have a specimen of the uranium-bearing rock. If this evidence shows significant amounts of copper or uranium, we will proceed to make an examination as soon as the snow is gone from the property.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
DMEA (2)
Puffett

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

March 25, 1954
Subject: DMEA-3291
Re: Exploration Assistance
Hidden Treasures Mines

Hidden Treasure Mines Inc.
1601 South First Street
Yakima, Washington

Dear Sirs:

The receipt of your application dated March 15, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3291 and referred to the Base Metals Division.

Kindly refer to DMEA-3291 in any future correspondence relating to your application.

Sincerely yours,

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

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

March 25, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II

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 II.

DMEA- 3291 Hidden Treasure Mines Inc.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

March 19, 1954

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

Re: Application for exploration assistance
Hidden Treasure Mines, Inc.
Yakima County, Washington
Commodity: Copper, uranium

Dear Mr. Selfridge:

Enclosed are 3 copies of an application by the Hidden Treasure Mines, Inc., 1601 South First Street, Yakima, Washington. Requested aid is for a project to explore for copper and uranium minerals in an area just east of Chinook Pass, Yakima County, Washington. Total estimated cost of this project is $117,793.00. We have retained one copy for our files.

We have very little information on file about the area concerned in this application and have no knowledge of any uranium discovery in this vicinity. An open file report by S. W. Hobbs, Geological Survey, prepared in 1942, describes a small copper-scheelite property just to the southeast near Bumping Lake. Oddly enough, the application does not mention possibilities of tungsten minerals on the Hidden Treasure property; we presume the applicant must be unaware of this or surely he would have added tungsten to the list of valuable minerals in the vein.

Two reports are attached to the application. Both are sheer gibberish and neither presents any evidence that any valuable minerals exist on the property. An examination would be impossible until June at the earliest. In view of the poor quality of the application it will obviously be a waste of time to make an examination and I hope it can be avoided. We are writing the applicant requesting substantiating data and will await your instructions before making an examination.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure
cc: USBM (2)
Puffett

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Defense Minerals Administration
RECEIVED
MAR 25 1954

March 19, 1954

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

Re: Application for exploration assistance
Hidden Treasure Mines, Inc.
Yakima County, Washington
Commodity: Copper, uranium

Dear Mr. Selfridge:

Enclosed are 3 copies of an application by the Hidden Treasure Mines, Inc., 1601 South First Street, Yakima, Washington. Requested aid is for a project to explore for copper and uranium minerals in an area just east of Chinook Pass, Yakima County, Washington. Total estimated cost of this project is $117,793.00. We have retained one copy for our files.

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Two reports are attached to the application. Both are sheer gibberish and neither presents any evidence that any valuable minerals exist on the property. An examination would be impossible until June at the earliest. In view of the poor quality of the application it will obviously be a waste of time to make an examination and I hope it can be avoided. We are writing the applicant requesting substantiating data and will await your instructions before making an examination.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure
cc: USGS (2)
Moffatt

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
MAR 25 1954

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. 3291
Metal or Mineral Copper & Uranium
Date Received
Estimated Cost $117,793
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: Hidden Treasure Mines Inc.
1601 South First Street.
Yakima, Washington.

(*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. Incorporated in the State of Washington.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers See Accompanying paper "A"

(*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 See accompanying paper "B"

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise See accompanying paper "B"

(*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. Not applicable

(*e*) If you own the land, describe any liens or encumbrances on it Not applicable

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

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 accompanying paper "C"

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

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

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

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

See Accompaning Paper "C"

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

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

(*c*) The work will start within 30 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. We propose to contract this work

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: $106,625.00

(*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.). See accompanying paper "D" continued.

(*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. See accompanying paper "D"

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

(*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. Responsibility of contractor.

(*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. None

(*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. See "E"

(*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. Responsibility of contractor.

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

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

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

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

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

Explain in detail on acompanying paper. See accompanying paper "E".

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 Mar. 15, 1954

HIDDEN TREASURE MINES, INC.

President (Applicant)

By [signature]

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

Paper "A"

1,c. President:- Harold Lyke--2014 Broadway, Yakima, Washington.
Vice President-- C. J. Caldwell, 11 Short Street. Union Gap. Wash.
Secretary-treasurer--A. H. Darby, Box 352 Toppenish, Wash.
Mining Superintendent--Harold H. Harris, Rt. 8, Box 175, Yakima, Wash.

The Board of Directors is as Follows:
A. H. Darby--Box 352 Toppenish, Wash.
Ralph D. Hubbard--208 N. 23rd. Ave. Yakima, Wash.
Harold Lyke--2014 Broadway, Yakima, Wash.
Harold H. Harris--Rt. 8, Box 175, Yakima, WAsh.
Homer B. Hubbard-- 2022 Broadway, Yakima, Wash.

Paper "B"

3a This land lies in the Summit Mining Dist, Yakima, County--in townships 13, 15, 16,. Range 11 east W. M. on Silber mountain approximently two and a half miles from Chinook Summit on easterly slope extending easterly some five miles.

3c Claims staked and registered in Yakima county court house, Yakima, Wash.

3f Vol. G Page 95
Vol. G Page889
Vol. G Page 107
Vol. G Page 114
Vol. G Page 113
Vol. G Page 112
Vol. G Page 111
Vol. G Page 110
Vol. G Page81
Vol. G Page 83
Vol. G Page 109
Vol. G Page 108
Vol. G Page 90
Vol. G Page 94
Vol. G Page 93
Vol. G Page 91
Vol. G Page 92
Vol. G Page 84
Vol. G Page 82

4a No other mining or exploration operations being conducted at this time. Claims may be inspected about the end of May or early June depending on depletion of the snow.

4c See attached report of Mr. Harold H. Harris and attached report of Mr. F. B. Satterlee, Geophysical Engineer.

4d The mining claims are 60 miles west of Yakima, Washington on Highway 410, and 45 miles west of rail head at Naches City, Wash. All claims boarder or cross highway #410--good access to property by road.

4e Manpower available at Naches and Yakima. Materials and supplies available at Yakima and Seattle. Seattle being approximatly 100 miles distance by highway. Natural water available from Raineer Fork Creek. No. power available.

Paper "D"

5b According to the Geosiphical Survy we have claims on a Copper vein and four veins containing Uranium.

In order to fully explor this property we propose to contract core drilling, shafting, and tunneling as follows:-

Copper vein:- We propose to tunnel 200 feet at an estimated contract cost of $27.50 per. foot----------$5,500.00

In addition to the tunneling we propose to make three core drilling for a total of 1750 ft. at $4.50 per ft.-------$7,875.00

$13,375.00

Uranium:- We feel we have one large and three smaller veins of uranium and in order to fully explor this project it will be necessary to make four core drillings in the large vein for a total of 4000 ft. at $5.50 per. ft.----------$22,000.00

And three small veins takeing a total of six core drillings for a combined footage of 3000ft. at $4.50 per. ft.-------$13,500.00

Also 300 ft. of 5x7 Tunneling in the larger vein at $27.50 per. foot.----------$8,250.00

And 300ft of 5x7 Tunneling in each of the six smaller veins for a total of 1800 ft. at $27.50 per ft.----------$49,500.00

$95,250.00

These figures are based on quotations from Boyles and Co. Core drillers with address at Salt Lake City, Utah.

"D" continued

6a It is estimated that in additional to the above that it will be necessary to do 48 hours of bulldozing to prepair the portals for tunneling at $16.00 per. hour----------$768.00

6b It is felt that consultant cost will be----------$600.00

Paper "E"

6f If it is necessarty to provide liveing quarters for the contractors it is estimated that a bunk house and mess hall with washing and toilet facilities will cost----------$10,00.00

7b We propose to obtain the monies from the sale of stock at .50¢ per. share. Our application for the sale of this stock is now being considered by the State of Washington Licenses Dept.

Entire Total $117,793.00 ? 117,993.00

REPORT OF HAROLD H. HARRIS, MINING SUPERINTENDENT
YAKIMA, WASHINGTON
MADE IN NOVEMBER 1953 ON THE COMPANY PROPERTY
(Original on file for public inspection)
HIDDEN TREASURE MINES, INC,

DEPARTMENT OF THE INTERIOR
Bureau Mineral Administration
RECEIVED
MAR 25 1954

REPORT ON SILVER MOUNTAIN STRUCTURE.

The uprise of primary and secondary formations extend from Morris Creek west to Chinook Pass with approximately 5800 feet elevation.

The velocity of the rock is above normal with extensive fusing near the apex of the mountain.

In the deeper levels of the chistos or slaty structures, existing minerals appear with the downward trend of ore, and vein slippage decreases in the primaries, Nest levels of this formation ore bodies appear in the vein contracts. Deep into the mountain, mineralization under pressure increases, and metals in combination will probably be good.

Beginning at the east side of the mountain six miles from Chinook Pass, appears a major fault, which divides the Gold Hill area from Silver Mountain.

On the south side appears heavy pyrites of iron also sulphides, and in certain zones the iron is carring good values in gold, accordingto surface exposures and assays.

The slaty and chistos rocks extend about two miles toward the divide.

Continuing westward along the mountain, granite is exposed to the surface and extends through the mountain probably with great depth. This rock isthe oldest that I know of in the state. Dborite and porphretic rock contacts the granite wich is probably Cambrian age.

Values in the basic metals are found in veins ranging from 20 inches to three feet wide. Assays are very favorable in gold, silver, lead and copper.

Hidden Treasure No. 1 vein isthree feet wide and near the surface the ore assays very good, in five metals, Ore in combination.

Hidden Treasure No. 2 vein is exposed at 24 inches wide and carrying good gold values.

Hidden Treasure No. 3 vein has a tremendous ore body foot and hanging walls clear and well defined. This ore body is 165 feet wide and is very radioactive and when the pitchblend is encountered at 200 feet of depth every indication points to commercial uranium ores. Extensive research work in surface geology on this lode incicates a favorable strike when great depth is made on the vien. Careful surveys with the Geiger counter shows this to be very good.

A considerable amount has been spent in having a careful and longthy geophysical survey made and, also, in this examination, the uranium comes in very good, In fact, the survey shows this lead to continue for miles through the country at great depths. Other claims adjoining this major [redacted] lead have other uranium veins transversing the mountain. These veins do not outcrop.

Continuring westward towards Chinook Pass a direct change takes place and copper formations appear and as those structures near the summit, copper mineralizatuon is increased.

One 1½-foot vein in width has 8000 foot extension north and south. Extremely high-grade ores outcrop at the surface, assaying good shipping ore.

REMARKS:

Mr. T. V. Brannan, now deceased, who during his lifetime was consulting engineer for the American Smelting and Refining Company, during his lifetime spoke very favorable to me of this great mineralized zone of the Cascades.

SUMMARY:

In the many years of field work, I can safely say that this great mineralized property has merit and, I believe with proper development and deep mining linked together with good management, it will become one of the greatest mines in the state. I highly recommend its development.

/s/ Harold H. Harris
Mining Superintendent for
HIDDEN TREASURE MINES, LTD.

REPORT OF F. B. SATTERLEE, GEOPHYSICAL ENGINEER
OMAK, WASHINGTON

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

October 24, 1953

Mr. H. Harris
Rt. 8, Box 175
Yakima, Washington

Dear Sir;

Pursuant to your request for The Geophysical Survey of The Golden Anchor Mining Property (name later changed to Hidden Treasure) having completed the Survey, I herewith submit my report.

The objective of this survey is to locate and to trace out all of the mineral bearing veins and to determine the different minerals present, also to determine the strike, dip, estension and any faulting that may occur, also to determine as to the depths that the veins may attain and their relation to the surface.

This survey does not attempt to give the values of the minerals in the veins that must be ascertained by assaying, although there is certain criteria obtained by the survey upon which judgment may be based.

The survey being made on eight, full, unpatented mining claims.

The above claims can be divided into three separate blocks, Block No. 1, which is located on a large copper lode vein just East of the summit on Chinook Pass and is crossed diagonally from East to West by Highway No. 410.

Block No. 2 consists of four claims; located one and one-half miles ~~to the West and~~ miles to the East and also crossed by the highway, this block of claims is covering a mineralized zone 625 feet wide, consisting of five parallel veins, carrying gold, silver, lead, copper and uranium, the veins vary in width from 7 feet to 165 feet.

The vein which is 165feet wide appears to be the mother lode of this district as it extends for a number of miles in a North, Surth general trend and attains a great depth.

The third block consisting of three claims, are located 1500 feet to the East of Block No. 2, also crossed by the highway, and are chiefly on gold bearing ground with the exception of one claim, which is on a wide vein, carrying gold, silver, lead, copper and uranium, the mineral reaches a depth of 5500 beet.

Survey on Block #1.

Station #2 is staked on a copper bearing lode vein, striking North 85 degrees West, practically East and West.

This copper lode is a strong vein 19 feet wide transversing the claim from East to West and dipping 52 degrees to the South; it extends through the West end line and beyond for a distance of 540 feet here a faulting action takes place which causes the vein to swing off the strike and take a more Northerly trend; the vein extends through and beyond the East end line for a distance of 1330 feet.

The survey projections on the vein are make from Station No. 2, location of which is marded by a stake driven on the vein 420 feet West of discovery location and 330 feet East of the West end line.

The vein reaches a depth of 3700 feet at the Station No 2 and takes a slight downward trend into the hill; there is a minor fault or surface intrusion cutting the vein 270 feet East of the West end lines, this intrusion veing the West wall of the old tunnel near the highway, and has caused the copper solutions to ascend to the surface forming a large outcrop of the copper ore.

This intrusion strikes to the North and Dips to the West to a depth of 700 feet thus affecting the surface of the vein to that depth.

The discovery location is made on a stringer outcrop near the center of the claim and is 40feet North of the lode vein; the proposed tennel site is 50 feet East of discovery location.

Three diamond drill locations wre made on Block #1.

Hole No. 1 is Surth 33 degrees East 59' from Station No. 2, strike of hole North nine degrees East, dip of hole 62 degrees, the hole is located 25 feet South of the vein and will cut the haging wall at a depth of 135 feet and reach the footwall at a depth of 185 feet giving 50 feet of coring in vein material.

Hole No. 2 is located 15 feet North of the highway and 25feet South of the vein, strike of hole North three degrees West, dip 60 degrees and should cut the hanging wall at a depth of 170 feet and the footwall at 210 feet giving 40 feet of coring in vein material.

Hole No. 3 is located two feet South of Hole No. 2 with a strike North 32 degrees East, dip 60 degrees and should cut hanging wall at a depth of 110 feet and the footwall of 200 feet giving 90 feet of coring in vein material.

REMARKS:

The vein is a strong copper lode 19 feet wide and attaining a depth of 3,700; it is very consistent with no major faulting, the minor fault on the end of the claim is a surface intrusion and affects only the upper 700 feet of the vein at this point.

Survey on Block #2.

The four claims adjoin in a square block, crossed by the highway at the center end lines.

The claims are staked striking North 18 degrees West and are paralleled by a mineralized zone 625 feet wide, striking North 18 degrees West.

In this mineralized zone there are five well defined parallel veins with true strike and dip, the strike being North 18 degrees West and dip at 87½ degrees to the East, this is a mammoth structure that carries through the district for a distance of several miles and attains a depth of more than 6,000 feet on this ground.

The veins are carrying values in gold, silver, lead, copper and uranium; the large vein is 165 feet in width carrying the different minerals cinsistently through the entire width nd depth although there is a greater enrichment on each wall and on certain courses along the vein, the lead and uranium carry down to a depth of 6,200 feet, the gold, silver and copper bottoming at 4,200 feet.

the survey work on the claims is tied into Station No. 3 which is located on Claim No. 4, 90' West of the East side line and 700' South of the North end line, the vertical depth to the vein at Station No. 3 is 62 feet.

Station No. 3 is set in 15 feet East of the footwall side of the big vein, this vein laps over into the next two claims for a distance of 75 feet, slightly more to the North end of these claims.

From Station No. 3 to the West 165 feet is a 7 foot parallel vein carrying gold, silver, lead and sinc; the strike of this vein is North 18 degrees West, dip 87½ degrees to the East; the mineral comes to within 35 feet of the surface at this point and carries down to a depth of 3,500 feet.

Station No. 4 is due West 280 feet from Station no. 3 and is located on another parallel vein 35 feet wide, strike North 19 degrees West, dip 87½ degrees to the East; this vein carries gold, silver, lead, sinc, copper and uranium and extends to the North on the strike swinging slightly to the East for a distance of 3,000 feet and extending on the strike to the South for 3,000 feet swinging slightly to the East, all minerals bottom at a depth of 6,200 feet with the exception of copper which attains a depth of 8,000 feet.

The above three veins parallel the easterly one-half of Block #2.
Veins carrying through the westerly one-half of Block #2.
There is a parallel vein 14 feet in width at a distance of 270 feet East from Station No. 3, this vein carries gold and silver and strikes North 18 degrees West, dip 87½ degrees to the East, extension on the strike to the North 3,150 feet and extension on the strike South 1,200 feet.

Another parallel vein e20 feet East from Station No. 3, 25 feet in width carrying gold, silver, lead and uranium, striking North 18 degrees West, dip 87½ degrees to the East, extension on the strike to the North 3,400 feet and extension on the strike to the South 3,450 feet; the gold and silver goes down to a depth of 1,550 feet, the lead and uranium bottoming at 5,500 feet.

Proposed tunnel ~~xxxx~~ site is on the southeast portion of Block ~~#2xxxxxxx~~ #2 approximately 400 feet below the highway and 80 feet West of the East side line, there being 50 feet of overburden at this point.

REMARKS:

This wide mineralized zone is very important, three of the veins are carrying uranium and should be core drilled to depth, the wide vein which is 165 foot wide has no timber growing on it while the timber is heavy right up to the vein on each side.

This ground has no major faulting, the veins have a true dip and strike through the entire length of the claims, there may be some slight surface movement higher on the hill, the subsurface has a slight dip to the North and West.

Block #3 is located about 1,500 feet to the East of Block #2 the North end line of the claim being 200 feet North of the highway, the location notice is in the center of the claim and on the North side of the highway, the South end line being 1,300 feet South of the highway.

Station #5 is staked on a wide 40feet vein carrying values in gold, silver, lead, [illegible]per and uranium; the vein stri[illegible] North 8 degtees West and dips to 84 degrees to the East, the survey projections are made from St. No. 5.

Station No. 5 is located on the footwall side of the vein and is 210 feet West of the location notice and 200 feet South of the North end line, the vein extends North 3,000 feet from Station No. 5 and 2,000 feet to the South.

The mineral goes down to a depth of 5,500 feet at Station N. 5 and has 63 feet of overburden at this point.

The gold checks very good on this vein, especially on the hanging wall side.

The eastorly claim is Block No. 3 is staked on a 26 foot vein carrying values in gold, silver and lead; the vein strikes North 24degrees West and dips 85 degrees to the East.

The survey projections on the vein are made from Station No. 6 wich is marked by a stake driven on the footwall side of the vein 120 feet West from the location notice and 200 feet South from the North end line.

The extension to the North is 2,800 feet to the South 1,750 Feet; the mineral goeg down to a depth of 1,300 feet at Station N. 6 and outcrops here.

Station #1 in Block #3, is staked on a mineralized zone 42 feet wide, carrying values in gold and silver, the greater enrichment of gold on each wall with a thickness of six to eight feet and in certain enriched courses along the vein.

The vein strikes North 8 degrees West and dips 85 degrees to the East, the survey projections are made from Station No. 1 which is located 22 feet South of the location notice and 10 feet North of the highway and is shown by a stake driven on the hanging wall side of the vein.

The vein extends North 1,000 feet and to the South for 1,000 feet on the projection to the South 130 ft; South of Station N. 1 the vein faults of slips 40 ft.to the east.

Tunnel site is located 120 feet South of Station No. 1 on the hanging wall side, at this point there is 20 feet of overburden.

A SHORT SUM ARY.

The Geophysical Survey shows the property to have merit and a very good possibility of veing a great mine.

The copper deposits on the West end should be a profitable operation without too much of a cash outlay in opening it up.

Four veins are carrying uranium along with the other valuable minerals, these veins goes to great depths and prove out to be good, although the values have not been fully established. I understand that the assays run well where the veins outcrop; the veins on the East end s ow to be carrying good gold values.

/s/ F. B. Satterlee

Bureau of Mines
DEPARTMENT OF THE INTERIOR
RECEIVED
MAR 25 1954
BASE METALS BRANCH

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved
Budget Bureau No. 42-R1033.2.

RECEIVED
MAR 25 1954

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. 3291
Metal or Mineral Copper & Uranium
Date Received
Estimated Cost $117,793
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: Hidden Treasure Mines Inc.
1601 South First Street.
Yakima, Washington.

(*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. Incorporated in the State of Washington.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. See Accompanying paper "A"

(*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 See accompanying paper "B"

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise See accompanying paper "B"

(*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. Not applicable

(*e*) If you own the land, describe any liens or encumbrances on it Not applicable

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

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 accompanying paper "C"

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

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

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

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.
See Accompanying Paper "C"

16—66551-1

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

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

(*c*) The work will start within 30 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. We propose to contract this work.

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: $106,625.00

(*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.). See accompanying paper "D" continued.

(*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. See accompanying paper "D"

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

(*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. Responsibility of contractor.

(*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. None

(*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. See "L"

(*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. Responsibility of contractor.

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

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

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

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

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

Explain in detail on acompanying paper. See accompanying paper "L".

CERTIFICATION

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

Dated May 15, 1954

HIDDEN TREASURE MINES, INC.
(Applicant)

By President Harold Lyke

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

Paper "A"

1,c. President:- Harold Lyke--2014 Broadway, Yakima, Washington.
Vice President-- C. J. Caldwell, 11 Short Street. Union Gap. Wash.
Secretary-Treasurer--A. H. Darby, Box 392 Toppenish, Wash.
Mining Superintendent--Harold M. Harris, Rt. 6, Box 175, Yakima, Wash.

The Board of Directors is as Follows:
A. H. Darby--Box 392 Toppenish, Wash.
Ralph D. Hubbard--203 N. 2nd. Ave. Yakima, Wash.
Harold Lyke--2014 Broadway, Yakima, Wash.
Harold M. Harris--Rt. 6, Box 175, Yakima, Wash.
Homer D. Hubbard-- 2022 Broadway, Yakima, Wash.

3a This land lies in the Summit Mining Dist, Yakima, County--in townships 13, 19, 16,. Range 11 east W. M. on Silver mountain approximently two and a half miles from Chinook Summit on easterly slope extending easterly some five miles.

3c Claims staked and registered in Yakima county court house, Yakima, Wash.

3f Vol. 6 Page 95
Vol. 6 Page 89
Vol. 6 Page 107
Vol. 6 Page 114
Vol. 6 Page 113
Vol. 6 Page 112
Vol. 6 Page 111
Vol. 6 Page 110
Vol. 6 Page 81
Vol. 6 Page 83
Vol. 6 Page 109
Vol. 6 Page 108
Vol. 6 Page 90
Vol. 6 Page 94
Vol. 6 Page 93
Vol. 6 Page 91
Vol. 6 Page 92
Vol. 6 Page 84
Vol. 6 Page 82

4a No other mining or exploration operations being conducted at this time. Claims may be inspected about the end of May or early June depending on depletion of the snow.

4c See attached report of Mr. Harold M. Harris and attached report of Mr. F. B. Satterlee, Geophysical Engineer.

4d The mining claims are 60 miles west of Yakima, Washington on Highway 410, and 45 miles west of rail head at Naches City, Wash. All claims border or cross highway #410--good access to property by road.

4e Manpower available at Naches and Yakima. Materials and supplies available at Yakima and Seattle. Seattle being approximately 100 miles distance by highway. Natural water available from Rainear Fork Creek. No. power available.

Paper "D"

5b According to the Geological Survy we have claims on a Copper vein and four veins containing Uranium.

In order to fully explor this property we propose to contract core drilling, shafting, and tunneling as follows:-

Copper vein:- We propose to tunnel 200 feet at an estimated contract cost of $27.50 per. foot----------$5,500.00

In addition to the tunneling we propose to make three core drilling for a total of 1750 ft. at $4.50 per ft.-------$7,875.00

$13,375.00

Uranium:- To feel we have one large and three smaller veins of uranium and in order to fully explor this project it will be necessary to make four core drillings in the lar e vein for a total of 4000 ft. at $5.50 per. ft.----------$22,000.00

And three small veins taking a total of six core drillings for a combined footage of 3000ft. at $4.50 per. ft.-------$13,500.00

Also 300 ft. of 5x7 Tunneling in the larger vein at $27.50 per. foot.----------$8,250.00

And 300ft of 5x7 Tunneling in each of the six smaller veins for a total of 1800 ft. at $27.50 per ft.----------$49,500.00

$93,250.00

These figures are based on quotations from Boyles and Co. Core drillers with address at Salt Lake City, Utah.

6a It is estimated that in additional to the above that it will be necessary to do 48 hours of bulldozing to prepair the portals for tunneling at $16.00 per. hour----------$768.00

6b It is felt that consultant cost will be----------$600.00

Paper "E"

6f If it is necessarty to provide living quarters for the contractors it is estimated that a bunk house and mess hall with washing and toilet facilities will cost----------$10,00.00

7b We propose to obtain the monies from the sale of stock at .50¢ per. share. Our application for the sale of this stock is now being considered by the State of Washington Licenses Dept.

Entire Total $117,793.00

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

REPORT OF [redacted]ALD R. MA[redacted], MINING SUPERVISOR [redacted]
YAKIMA, WASHINGTON
MADE IN NOVEMBER 1953 ON THE COMPANY PROPERTY
(Original on file for public inspection)
HIDDEN TREASURE MINES, INC.

REPORT ON SILVER MOUNTAIN STRUCTURE.

The uprise of primary and secondary formations extend from Morris Creek west to Chinook Pass with approximately 5000 foot elevation.

The velocity of the rock is above normal with extensive fusing near the apex of the mountain.

In the deeper levels of the chlotes or slaty structures, sulfating minerals appear with the downward trend of ore, and vein slippage decreases in the primaries. Lest levels of this formation ore bodies appear in the vein contracts. Deep into the mountain, mineralization under pressure increases, and metals in combination will probably be good.

Beginning at the east side of the mountain six miles from Chinook Pass, appears a major fault, which divides the Gold Hill area from Silver Mountain.

On the south side appears heavy pyrites of iron also sulphides, and in certain zones the iron is carring good values in gold, accordingto surface exposures and assays.

The slaty and chlotes rocks extend about two miles toward the divide.

Continuing westward along the mountain, granite is exposed to the surface and extends through the mountain probably with great depth. This rock isthe oldest that I know of in the state. Diorite and porphrocie rock contacts the granite wich is probably Cambrian age.

Values in the basic metals are found in veins ranging from 20 inches to three feet wide. Assays are very favorable in gold, silver, lead and copper.

Hidden Treasure No. 1 vein isthree feet wide and near the surface the ore assays very good, in five metals. Ore in combination.

Hidden Treasure No. 2 vein is exposed at 24 inches wide and carrying good gold values.

Hidden Treasure No. 3 vein has a tremendous ore body foot and hanging walls clear and well defined. This ore body is 165 feet wide and is very radioactive and when the pitchblend is encountered at 200 feet of depth every indication points to commercial uranium ores. Extensive research work in surface geology on this lode indicates a favorable strike when great depth is made on the vein. Careful surveys with the Geiger counter shows this to be very good.

A considerable amount has been spent in having a careful and [illegible] geological survey made and, also, in this connection, the results seem to be very good. In fact, the survey shows this land to contain fine veins through the country at great depth. Some claims adjoining this to the [illegible] land have other veins veins transversing the mountain. These veins do not outcrop.

Continuing northward towards Chinook Pass a direct shear zone takes place and copper formations appear and as these structures near the summit, copper mineralization is increased.

The 1 -[illegible] vein in [illegible] has been found extension north and south. Intensely [illegible] upon outcrop of the surface, necessitating good stripping etc.

[illegible]:

Mr. F. V. Cromer, now deceased, who during his lifetime was consulting engineer for the Anaconda Copper Mining Company, during his lifetime a visit very favorable to me of this great mineralized zone of the Cascades.

[illegible]:

In the many years of field work, I can safely say that this great mineralized property has merit and, I believe that upon development and deep mining, linked together with good management, it will become one of the greatest mines in the state. I, therefore, recommend its development.

/s/ Gerald [illegible] Morris
Mining Superintendent for
[illegible], Ltd.

[illegible] F. D. [illegible]
OTAK, WASHINGTON

October 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

Mr. H. Harris
Rt. 8, Box 175
Yakima, Washington

Dear Sir;

Pursuant to your request for The Geophysical Survey of the Golden Anchor Mining Property (name later changed to Hidden Treasure) having completed the Survey, I herewith submit my report.

The objective of this survey is to locate and to trace out all of the mineral bearing veins and to determine the different minerals present, also to determine the strike, dip, extension and any faulting that may occur, also to determine as to the depths that the veins may attain and their relation to the surface.

This survey does not attempt to give the values of the minerals in the veins that must be ascertained by assaying, although there is certain criteria obtained by the survey upon which judgment may be based.

The survey being made on eight, full, unpatented mining claims.

The above claims can be divided into three separate blocks, Block No. 1, which is located on a large copper lode vein just East of the cut it on Chinook Pass and is crossed diagonally from East to West by Highway No. 410.

Block No. 2 consists of four claims; located one and one-half miles ~~to the East and~~ miles to the East and also crossed by the Highway, this block of claims is covering a mineralized zone 625 feet wide, consisting of five parallel veins, carrying gold, silver, lead, copper and uranium, the veins vary in width from 7 feet to 165 feet.

The vein which is 165 feet wide appears to be the mother lode of this district as it extends for a number of miles in a North, South general trend and attains a great depth.

The third block consisting of three claims, are located 1500 feet to the East of Block No. 2, also crossed by the highway, and are chiefly on gold bearing ground with the exception of one claim, which is on a wide vein, carrying gold, silver, lead, copper and uranium, the mineral reaches a depth of 5500 feet.

Survey on Block No. 1.

Station No. 2 is staked on a copper bearing lode vein, striking North 65 degrees West, practically East and West.

This copper lode is a strong vein 19 feet wide transversing the claim from East to West and dipping 52 degrees to the South; it extends through the West end line and beyond for a distance of 540 feet here a faulting action takes place which causes the vein to swing off the strike and take a more Northerly trend; the vein extends through and beyond the East end line for a distance of 1330 feet.

The survey projections on the vein are make from Station No. 2, location of which is marked by a stake driven on the vein 420 feet West of discovery location and 330 feet East of the West end line.

The vein reaches a depth of 3700 feet at the Station No 2 and takes a slight downward trend into the hill; there is a minor fault or surface intrusion cutting the vein 270 feet East of the West end lines, this intrusion being the West wall of the old tunnel near the highway, and has caused the copper solutions to ascend to the surface forming a large outcrop of the copper ore.

This intrusion strikes to the North and lips to the West to a depth of 700 feet thus affecting the surface of the vein to that depth.

The discovery location is made on a stringer outcrop near the center of the claim and is 40feet North of the lode vein; the proposed tennel site is 50 feet East of discovery location.

Three diamond drill locations were made on Block #1.

Hole No. 1 is South 33 degrees East 59' from Station No. 2, strike of hole North nine degrees East, dip of hole 62 degrees, the hole is located 25 feet South of the vein and will cut the hanging wall at a depth of 135 feet and reach the footwall at a depth of 185 feet giving 50 foot of coring in vein material.

Hole No. 2 is located 15 feet North of the highway and 25feet South of the vein, strike of hole North three degrees West, dip 60 degrees and should cut the hanging wall at a depth of 170 feet and the footwall at 210 feet giving 40 feet of coring in vein material.

Hole No. 3 is located two feet South of Hole No. 2 with a strike North 32 degrees East, dip 60 degrees and should cut hanging wall at a depth of 110 feet and the footwall of 200 feet giving 90 feet of coring in vein material.

REMARKS:

The vein is a strong copper lode 19 feet wide and attaining a depth of 3,700; it is very consistent with no major faulting, the minor fault on the end of the claim is a surface intrusion and affects only the upper 700 feet of the vein at this point.

<u>Survey on Block #2.</u>

The four claims adjoin in a square block, crossed by the highway at the center end lines.

The claims are staked striking North 18 degrees West and are paralleled by a mineralized zone 625 feet wide, striking North 18 degrees West.

In this mineralized zone there are five well defined parallel veins with true strike and dip, the strike being North 18 degrees West and dip at 87½ degrees to the East, this is a mammoth structure that carries through the district for a distance of several miles and attains a depth of more than 6,000 feet on this ground.

The veins are carrying values in gold, silver, lead, copper and uranium; the large vein is 165 feet in width carrying the different minerals consistently through the entire width and depth although there is a greater enrichment on each wall and on certain courses along the vein, the lead and uranium carry down to a depth of 6,200 feet, the gold, silver and copper bottoming at 4,200 feet.

The survey work on the claims is tied into Station No. 3 which is located on Claim No. 4, 90' West of the East side line and 700' South of the North end line, the vertical depth to the vein at Station No. 3 is 62 feet.

Station No. 3 is set in 15 feet East of the footwall side of the big vein, this vein lays over into the next two claims for a distance of 75 feet, slightly more to the North end of these claims.

From Station No. 3 to the West 165 feet is a 7 foot parallel vein carrying gold, silver, lead and zinc; the strike of this vein is North 18 degrees West, dip 87½ degrees to the East; the mineral comes to within 35 feet of the surface at this point and carries down to a depth of 3,500 feet.

Station No. 4 is due West 280 feet from Station no. 3 and is located on another parallel vein 35 feet wide, strike North 19 degrees West, dip 87½ degrees to the East; this vein carries gold, silver, lead, zinc, copper and uranium and extends to the North on the strike swinging slightly to the East for a distance of 3,000 feet and extending on the strike to the South for 3,000 feet swinging slightly to the East, all minerals bottom at a depth of 6,200 feet with the exception of copper which attains a depth of 8,000 feet.

The above three veins parallel the easterly one-half of Block #2.
Veins carrying through the westerly one-half of Block #2.
There is a parallel vein 14 feet in width at a distance of 270 feet East from Station No. 3, this vein carries gold and silver and strikes North 18 degrees West, dip 87½ degrees to the East, extension on the strike to the North 3,150 feet and extension on the strike South 1,200 feet.

Another parallel vein 820 feet East from Station No. 3, 25 feet in width carrying gold, silver, lead and uranium, striking North 18 degrees West, dip 87½ degrees to the East, extension on the strike to the North 3,400 feet and extension on the strike to the South 3,450 feet; the gold and silver goes down to a depth of 1,550 feet, the lead and uranium bottoming at 5,500 feet.

Proposed tunnel site is on the southeast portion of Block #2 approximately 400 feet below the highway and 80 feet West of the East side line, there being 50 feet of overburden at this point.

REMARKS:

This wide mineralized zone is very important, three of the veins are carrying uranium and should be core drilled to depth, the wide vein which is 165 feet wide has no timber growing on it while the timber is heavy right up to the vein on each side.

This ground has no major faulting, the veins have a true dip and strike through the entire length of the claims, there may be some slight surface movement higher on the hill, the subsurface has a slight dip to the North and West.

Block #3 is located about 1,500 feet to the East of Block #2 the North end line of the claim being 200 feet North of the highway, the location notice is in the center of the claim and on the North side of the highway, the South end line being 1,300 feet South of the highway.

Station #5 is staked on a wide 40foot vein carrying values in gold, silver, lead, copper and uranium; the vein strikes North 8 degrees West and dips to 84 degrees to the East, the survey projections are made from St. No. 5.

Station No. 5 is located on the footwall side of the vein and is 210 feet West of the location notice and 200 feet South of the North end line, the vein extends North 5,000 foot from Station No. 5 and 2,000 foot to the South.

The mineral goes down to a depth of 5,500 feet at Station N. 5 and has 63 feet of overburden at this point.

The gold checks very good on this vein, especially on the hanging wall side.

The easterly claim in Block No. 5 is staked on a 26 foot vein carrying values in gold, silver and lead; the vein strikes North 24degrees West and dips 83 degrees to the East.

The survey projections on the vein are made from Station No. 6 wich is marked by a stake driven on the footwall side of the vein 120 foot West from the location notice a d 200 foot South from the North end line.

The extension to the North is 2,000 foot to the South 1,750 Foot; the mineral goes down to a depth of 1,300 feet at Station No. 6 and outcrops here.

Station #1 in Block #3, is staked on a mineralized zone 42 feet wide, carrying values in gold and silver, the greater enrichment of gold on each wall with a thickness of six to eight feet and in certain enriched courses along the vein.

The vein strikes North 8 degrees West and dips 83 degrees to the East, the survey projections are made from Station No. 1 which is located 22 feet South of the location notice and 10 feet North of the highway and is shown by a stake driven on the hanging wall side of the vein.

The vein extends North 1,000 feet and to the South for 1,000 foot on the projection to the South 150 ft; South of Station N. 1 the vein faults of slips 40 ft. to the east.

Tunnel site is located 120 feet South of Station No. 1 on the hanging wall side, at this point there is 20 foot of overburden.

A [illegible] MAN.

The Geophysical Survey shows the property to have merit and a very good possibility of being a great mine.

The copper deposits on the West end should be a profitable operation without too much of a cash outlay in opening it up.

Four veins are carrying uranium along with the other valuable minerals, these veins goes to great depths and prove out to be good, although the values have not been fully established. I understand that the assays run well where the veins outcrop; the veins on the East end s ou to be carrying good gold values.

/s/ F. B. Satterlee

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

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. 3291
Metal or Mineral Copper & Uranium
Date Received
Estimated Cost $117,793
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: Hidden Treasure Mines Inc.
1601 South First Street.
Yakima, Washington.

(*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. Incorporated in the State of Washington.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers See Accompanying paper "A"

(*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 See accompanying paper "B"

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

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
See accompanying paper "B"

(*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. Not applicable

(*e*) If you own the land, describe any liens or encumbrances on it Not applicable

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

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 accompanying paper "C"

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

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

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

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.
See Accompaning Paper "C"

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

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

(*c*) The work will start within 30 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. We propose to contract this work.

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: $106,625.00

(*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.). See accompanying paper "D" continued.

(*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. See accompanying paper "D"

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

(*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. Responsibility of contractor.

(*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. None

(*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. See "E"

(*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. Responsibility of contractor.

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

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

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

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

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

Explain in detail on acompanying paper. See accompanying paper "E".

CERTIFICATION

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

Dated May 15, 1954

HIDDEN TREASURE MINES, INC.
(Applicant)

By Harold Lyke
President

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

Paper "A"

L,c. President:- Harold Lyke--2014 Broadway, Yakima, Washington.
Vice President-- C. J. Caldwell, 11 Short Street. Union Gap. Wash.
Secretary-treasurer--A. H. Darby, Box 352 Toppenish, Wash.
Mining Superintendent--Harold H. Harris, Rt. 8, Box 175, Yakima, Wash.

The Board of Directors is as Follows:
A. H. Darby--Box 352 Toppenish, Wash.
Ralph D. Hubbard--208 N. 23rd. Ave. Yakima, Wash.
Harold Lyke--2014 Broadway, Yakima, Wash.
Harold H. Harris--Rt. 8, Box 175, Yakima, WAsh.
Homer B. Hubbard-- 2022 Broadway, Yakima, Wash.

Paper "B"

3a This land lies in the Summit Mining Dist, Yakima, County--in townships 13, 15, 16,. Range 11 east W. M. on Silber mountain approximently two and a half miles from Chinook Summit on easterly slope extending easterly some five miles.

3c Claims staked and registered in Yakima county court house, Yakima, Wash.

3f Vol. G Page 95
Vol. G Page889
Vol. G Page 107
Vol. G Page 114
Vol. G Page 113
Vol. G Page 112
Vol. G Page 111
Vol. G Page 110
Vol. G Page81
Vol. G Page 83
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Vol. G Page 84
Vol. G Page 82

4a No other mining or exploration operations being conducted at this time. Claims may be inspected about the end of May or early June depending on depletion of the snow.

4c See attached report of Mr. Harold H. Harris and attached report of Mr. F. B. Satterlee, Geophysical Engineer.

4d The mining claims are 60 miles west of Yakima, Washington on Highway 410, and 45 miles west of rail head at Naches City, Wash. All claims boarder or cross highway #410--good access to property by road.

4e Manpower available at Naches and Yakima. Materials and supplies available at Yakima and Seattle. Seattle being approximatly 100 miles distance by highway. Natural water available from Raineer Fork Creek. No. power available.

Paper "D"

5b According to the Geosiphical Survy we have claims on a Copper vein and four veins containing Uranium.

In order to fully explor this property we propose to contract core drilling, shafting, and tunneling as follows:-

Copper vein;- We propose to tunnel 200 feet at an estimated contract cost of $27.50 per. foot----------$5,500.00

In addition to the tunneling we propose to make three core drilling for a total of 1750 ft. at $4.50 per ft.-------$7,875.00

$13,375.00

Uranium:- We feel we have one large and three smaller veins of uranium and in order to fully explor this project it will be necessary to make four core drillings in the large vein for a total of 4000 ft. at $5.50 per. ft.----------$22,000.00

And three small veins takeing a total of six core drillings for a combined footage of 3000ft. at $4.50 per. ft.-------$13,500.00

Also 300 ft. of 5x7 Tunneling in the larger vein at $27.50 per. foot.----------$8,250.00

And 300ft of 5x7 Tunneling in each of the six smaller veins for a total of 1800 ft. at $27.50 per ft.----------$49,500.00 ~~$99,250.00~~

$93,250.00

These figures are based on quotations from Boyles and Co. Core drillers with address at Salt Lake City, Utah.

6a It is estimated that in additional to the above that it will be necessary to do 48 hours of bulldozing to prepair the portals for tunneling at $16.00 per. hour----------$768.00

6b It is felt that consultant cost will be----------$600.00

Paper "E"

6f If it is necessarty to provide liveing quarters for the contractors it is estimated that a bunk house and mess hall with washing and toilet facilities will cost----------$10,00.00

7b We propose to obtain the monies from the sale of stock at .50¢ per. share. Our application for the sale of this stock is now being considered by the State of Washington Licenses Dept.

Entire Total $117,793.00

REPORT [redacted]HAROLD H. HARRIS, MINING SUPER[redacted]ENDENT
YAKIMA, WASHINGTON
MADE IN NOVEMBER 1953 ON THE COMPANY PROPERTY
(Original on file for public inspection)
HIDDEN TREASURE MINES, INC,

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

REPORT ON SELVER MOUNTAIN STRUCTURE.

The uprise of primary and secondary formations extend from Morris Creek west to Chinook Pass with approximately 5800 feet elevation.

The velocity of the rock is above normal with extensive fusing near the apex of the mountain.

In the deeper levels of the chistos or slaty structures, existing minerals appear with the downward trend of ore, and vein slippage decreases in the primaries, Nest levels of this formation ore bodies appear in the vein contracts. Deep into the mountain, mineralization under pressure increases, and metals in combination will probably be good.

Beginning at the east side of the mountain six miles from Chinook Pass, appears a major fault, which divides the Gold Hill area from Silver Mountain.

On the south side appears heavy pyrites of iron also sulphides, and in certain zones the iron is carring good values in gold, accordingto surface exposures and assays.

The slaty and chistos rocks extend about two miles toward the divide.

Continuing westward along the mountain, granite is exposed to the surface and extends through the mountain probably with great depth. This rock isthe oldest that I know of in the state. Diorite and porphretic rock contacts the granite wich is probably Cambrian age.

Values in the basic metals are found in veins ranging from 20 inches to three feet wide. Assays are very favorable in gold, silver, lead and copper.

Hidden Treasure No. 1 vein isthree feet wide and near the surface the ore assays very good, in five metals, Ore in combination.

Hidden Treasure No. 2 vein is exposed at 24 inches wide and carrying good gold values.

Hidden Treasure No. 3 vein has a tremendous ore body foot and hanging walls clear and well defined. This ore body is 165 feet wide and is very radioactive and when the pitchblend is encountered at 200 feet of depth every indication points to commercial uranium ores. Extensive research work in surface geology on this lode incicates a favorable strike when great depth is made on the vien. Careful surveys with the Geiger counter shows this to be very good.

A considerable amount has been spent in having a careful and lengthy geophysical survey made and, also, in this examination, the uranium comes in very good, In fact, the survey shows this lead to continue for miles through the country at great depths. Other claims adjoining this major lead have other uranium veins transversing the mountain. These veins do not outcrop.

Continuring westward towards Chinook Pass a direct change takes place and copper formations appear and as these structures near the summit, copper mineralizatuon is increased.

One 19-foot vein in width has 8000 feet extension north and south. Extremely high-grade ores outcrop at the surface, assaying good shipping ore.

REMARKS::

Mr. T. V. Brannan, now deceased, who during his lifetime was consulting engineer for the American Smelting and Refining Company, during his lifetime spoke very favorable to me of this great mineralized zone of the Cascades.

SUMMARY:

In the many years of field work, I can safely say that this great mineralized property has merit and, I believe with proper development and deep mining linked together with good management, it will become one of the greatest mines in the state. I highly recommend its development.

/s/ Harold H. Harris
Mining Superintendent for
HIDDEN TREASURE MINES, IND.

REPORT OF F. B. SATTERLEE, GEOPHYSICAL ENGINEER
OMAK, WASHINGTON

October 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 25 1954

Mr. H. Harris
Rt. 8, Box 175
Yakima, Washington

Dear Sir;

Pursuant to your request for The Geophysical Survey of The Golden Anchor Mining Property (name later changed to Hidden Treasure) having completed the Survey, I herewith submit my report.

The objective of this survey is to locate and to trace out all of the mineral bearing veins and to determine the different minerals present, also to determine the strike, dip, estension and any faulting that may occur, also to determine as to the depths that the veins may attain and their relation to the surface.

This survey does not attempt to give the values of the minerals in the veins that must be ascertained by assaying, although there is certain criteria obtained by the survey upon which judgment may be based.

The survey being made on eight, full, unpatented mining claims.

The above claims can be divided into three separate blocks, Block No. 1, which is located on a large copper lode vein just East of the summit on Chinook Pass and is crossed diagonally from East to West by Highway No. 4DO.

Block No. 2 consists of four claims; located one and one-half miles ~~to the East~~ and miles to the East and also crossed by the highway, this block of claims is covering a mineralized zone 625 feet wide, consisting of five parallel veins, carrying gold, silver, lead, copper and uranium, the veins vary in width from 7 feet to 165 feet.

The vein which is 165feet wide appears to be the mother lode of this district as it extends for a number of miles in a North, Surth general trend and attains a great depth.

The third block consisting of three claims, are located 1500 feet to the East of Block No. 2, also crossed by the highway, and are chiefly on gold bearing ground with the exception of one claim, which is on a wide vein, carrying gold, silver, lead, copper and uranium, the mineral reaches a depth of 5500 beet.

Survey on Block #1.

Station #2 is staked on a copper bearing lode vein, striking North 85 degrees West, practically East and West.

This copper lode is a strong vein 19 feet wide transversing the claim from East to West and dipping 52 degrees to the South; it extends through the West end line and beyond for a distance of 540 feet here a faulting action takes place which causes the vein to swing off the strike and take a more Northerly trend; the vein extends through and beyond the East end line for a distance of 1330 feet.

The survey projections on the vein are make from Station No. 2, location of which is marded by a stake driven on the vein 420 feet West of discovery location and 330 feet East of the West end line.

The vein reaches a depth of 3700 feet at the Station No 2 and takes a slight downward trend into the hill; there is a minor fault or surface intrusion cutting the vein 270 feet East of the West end lines, this intrusion veing the West wall of the old tunnel near the highway, and has caused the copper solutions to ascend to the surface forming a large outcrop of the copper ore.

This intrusion strikes to the North and Dips to the West to a depth of 700 feet thus affecting the surface of the vein to that depth.

The discovery location is made on a stringer outcrop near the center of the claim and is 40feet North of the lode vein; the proposed tennel site is 50 feet East of discovery location.

Three diamond drill locations wre made on Block #1.

Hole No. 1 is Surth 33 degrees East 59' from Station No. 2, strike of hole North nine degrees East, dip of hole 62 degrees, the hole is located 25 feet South of the vein and will cut the haging wall at a depth of 135 feet and reach the footwall at a depth of 185 feet giving 50 feet of coring in vein material.

Hole No. 2 is located 15 feet North of the highway and 25feet South of the vein, strike of hole North three degrees West, dip 60 degrees and should cut the hanging wall at a depth of 170 feet and the footwall at 210 feet giving 40 feet of coring in vein material.

Hole No. 3 is located two feet South of Hole No. 2 with a strike North 32 degrees East, dip 60 degrees and should cut hanging wall at a depth of 110 feet and the footwall of 200 feet giving 90 feet of coring in vein material.

REMARKS:

The vein is a strong copper lode 19 feet wide and attaining a depth of 3,700; it is very consistent with no major faulting, the minor fault on the end of the claim is a surface intrusion and affects only the upper 700 feet of the vein at this point.

Survey on Block #2.

The four claims adjoin in a square block, crossed by the highway at the center end lines.

The claims are staked striking North 18 degrees West and are paralleled by a mineralized zone 625 feet wide, striking North 18 degrees West.

In this mineralized zone there are five well defined parallel veins with true strike and dip, the strike being North 18 degrees West and idip at 87½ degrees to the East, this is a mammoth structure that carries through the district for a distance of several miles and attains a depth of more than 6,000 feet on this ground.

The veins are carrying values in gold, silver, lead, copper and uranium; the large vein is 165 feet in width carrying the different minerals cinsistently through the entire width nd depth although there is a greater enrichment on each wall and on certain courses along the vein, the lead and uranium carry down to a depth of 6,200 feet, the gold, silver and copper bottoming at 4,200 feet.

the survey work on the claims is tied into Station No. 3 which is located on Claim No. 4, 90' West of the East side line and 700' South of the North end line, the vertical depth to the vein at Station No. 3 is 62 feet.

Station No. 3 is set in 15 feet East of the footwall side of the big vein, this vein laps over into the next two claims for a distance of 75 feet, slightly more to the North end of these claims.

From Station No. 3 to the West 165 feet is a 7 foot parallel vein carrying gold, silver, lead and sinc; the strike of this vein is North 18 degrees West, dip 87½ degrees to the East; the mineral comes to within 35 feet of the surface at this point and carries down to a depth of 3,500 feet.

Station No. 4 is due West 280 feet from Station no. 3 and is located on another parallel vein 35 feet wide, strike North 19 degrees West, dip 87½ degrees to the East; this vein carries gold, silver, lead, sinc, copper and uranium and extends to the North on the strike swinging slightly to the East for a distance of 3,000 feet and extending on the strike to the South for 3,000 feet swinging slightly to the East, all minerals bottom at a depth of 6,200 feet with the exception of copper which attains a depth of 8,000 feet.

The above three veins parallel the easterly one-helf of Block #2.
Veins carrying through the westerly one-half of Block #2.
There is a parallel vein 14 feet in width at a distance of 270 feet East from Station No. 3, this vein carries gold and silver and strikes North 18 degrees West, dip 87½ degrees to the East, extension on the strike to the North 3,150 feet and extension on the strike South 1,200 feet.

Another parallel vein e20 feet East from Station No. 3, 25 feet in width carrying gold, silver, lead and uranium, striking North 18 degrees West, dip 87½ degrees to the East, extension on the strike to the North 3,400 feet and extension on the strike to the South 3,450 feet; the gold and silver goes down to a depth of 1,550 feet, the lead and uranium bottoming at 5,500 feet.

Proposed tunnel ~~xxxx~~ site is on the southeast portion of Block ~~#2xxxxxxx~~ #2 approximately 400 feet below the highway and 80 feet West of the East side line, there being 50 feet of overburden at this point.

REMARKS:

This wide mineralized zone is very important, three of the veins are carrying uranium and should be core drilled to depth, the wide vein which is 165 feet wide has no timber growing on it while the timber is heavy right up to the vein on each side.

This ground has no major faulting, the veins have a true dip and strike through the entire length of the claims, there may be some slight surface movement higher on the hill, the subsurface has a slight dip to the North and West.

Block #3 is located about 1,500 feet to the East of Block #2 the North end line of the claim being 200 feet North of the highway, the location notice is in the center of the claim and on the North side of the highway, the South end line being 1,300 feet South of the highway.

Station #5 is staked on a wide 40feet vein carrying values in gold, silver, lead, copper and uranium; the vein strikes North 8 degtees West and dips to 84 degrees to the East, the survey projections are made from St. No. 5.

Station No. 5 is located on the footwall side of the vein and is 210 feet West of the location notice and 200 feet South of the North end line, the vein extends North 3,000 feet from Station No. 5 and 2,000 feet to the South.

The mineral goes down to a depth of 5,500 feet at Station N. 5 and has 63 feet of overburden at this point.

The gold checks very good on this vein, especially on the hanging wall side.

The easterly claim is Block No. 3 is staked on a 26 foot vein carrying values in gold, silver and lead; the vein strikes North 24degrees West and dips 85 degrees to the East.

The survey projections on the vein are made from Station No. 6 wich is marked by a stake driven on the footwall side of the vein 120 feet West from the location notice and 200 feet South from the North end line.

The extension to the North is 2,800 feet to the South 1,750 Feet; the mineral goeg down to a depth of 1,300 feet at Station N. 6 and outcrops here.

Station #1 in Block #3, is staked on a mineralized zone 42 feet wide, carrying values in gold and silver, the greater enrichment of gold on each wall with a thickness of six to eight feet and in certain enriched courses along the vein.

The vein strikes North 8 degrees West and dips 85 degrees to the East, the survey projections are made from Station No. 1 which is located 22 feet South of the location notice and 10 feet North of the highway and is shown by a stake driven on the hanging wall side of the vein.

The vein extends North 1,000 feet and to the South for 1,000 feet on the projection to the South 130 ft; South of Station N. 1 the vein faults of slips 40 ft.to the east.

Tunnel site is located 120 feet South of Station No. 1 on the hanging wall side, at this point there is 20 feet of overburden.

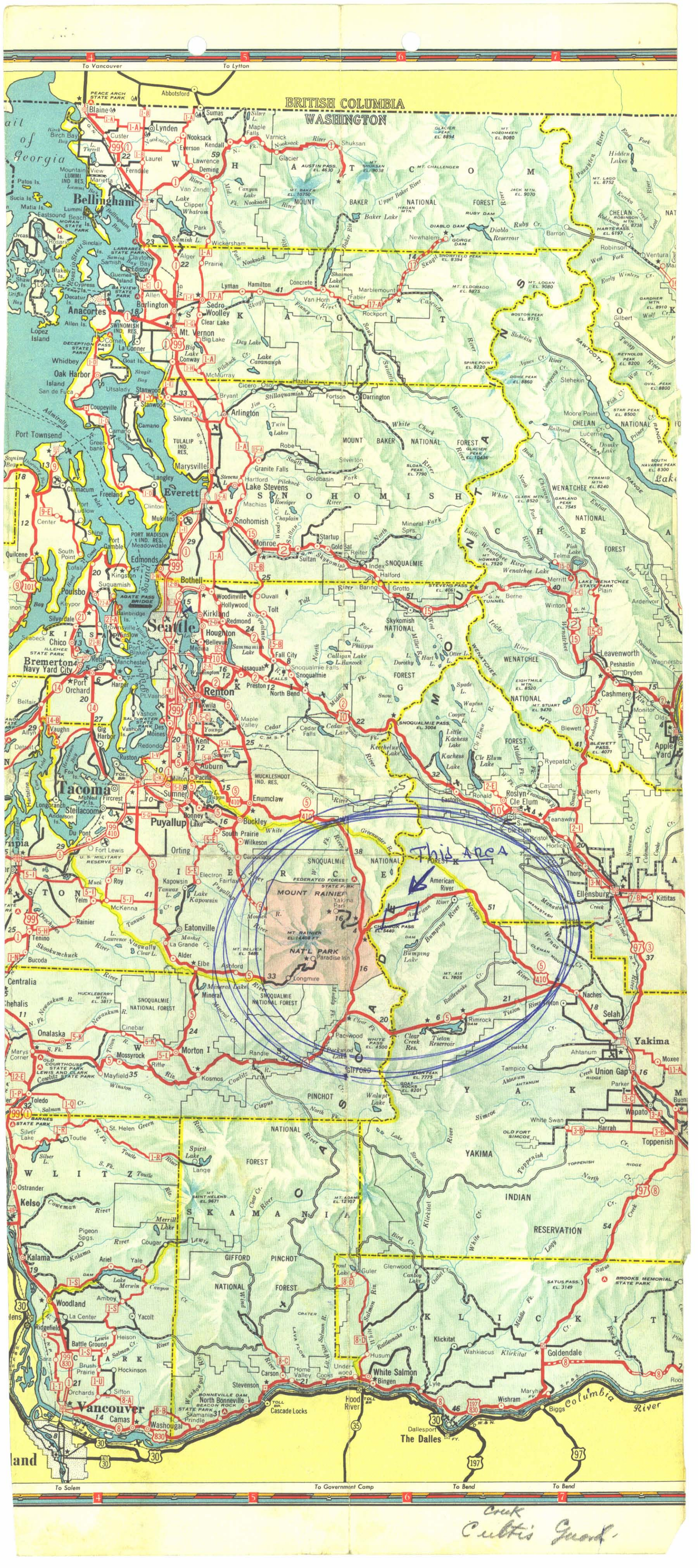
A SHORT SUMMARY.

The Geophysical Survey shows the property to have merit and a very good possibility of veing a great mine.

The copper deposits on the West end should be a profitable operation without too much of a cash outlay in opening it up.

Four veins are carrying uranium along with the other valuable minerals, these veins goes to great depths and prove out to be good, although the values have not been fully established. I understand that the assays run well where the veins outcrop; the veins on the East end s ow to be carrying good gold values.

/s/ F. B. Satterlee



Curtis' Guest-